DRILLING

ASSESSMENT REPORT

ON THE

KLIYUL GROUP OF CLAIMS

LATITUDE: 56°30'N LONGITUDE: 126°08'W

DECEMBER 1994

Author: D.G. GILL, EXPLORATION GEOLOGIST

Operator: NORANDA EXPLORATION COMPANY, LIMITED
(No Personal Liability)

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1.0 INTRODUCTION

During the period between August 1 and August 15, 1994 Noranda Exploration Company, Limited and Britton Bros. Diamond Drilling Ltd. conducted a 9 hole, 1046.7 meter drill programme on portions of the Kliyul property to test magnetic highs, coincident copper-gold soil anomalies and areas of anomalous gold mineralization discovered during a 1993 test pit programme. The main focus of this drill programme was to test the lateral and downdip potential of the auriferous and cupriferous magnetite-silica replacement body drill tested previously by Sumac Mines Ltd. (1974), Kennco/Vital Pacific Resources Ltd. (1981) and Noranda (1993). The first portion of this report describes the entire 9 hole drill programme although only work performed between August 1 and 10 is being applied for assessment.

The second portion of the report describes a second drill programme conducted between October 4 - 11, 1994 which targeted extremely altered, pyritic and sheared volcaniclastics and monzonite dykes with coincident gold in soil anomalies. A brief discussion of the earlier geological and geochemical surveys conducted over this area known as Kliyul East has been included prior to the drilling section to describe targeting rationale. All work performed during this last phase of drilling is being applied toward assessment as shown in the Statement of Work forms in the front of this report.

1.1 Location and Access

The Kliyul group of claims is located approximately 200 km north-northeast of Smithers, B.C. on N.T.S. Mapsheets 94D/8 and 9 in the Omineca Mining Division.

Camp mobilization was achieved by helicopter based at Johanson Lake (refer to Drawing 1 for a rough location of the property).

1.2 Topography and Physiography

The Kliyul group of claims is situated above treeline with elevations ranging from 5600 to 7000 feet. The claims straddle an east-northeast trending glacial valley which is drained to the east and northeast by Lay Creek and to the southeast and southwest by tributaries at the headwaters of Kliyul Creek.

Slopes to a maximum of 45° occur in the northern portion of the property along an east-west trending ridge whereas the southwestern part of the claim group covers a gently sloping, wide, marshy valley floor. The southeastern area of the property is dominated by two northwesterly trending ridges with moderate to steep relief.

1.3 History

Below is a brief outline of documented work performed on the property in chronological order.

1970-1972: Original property staked and geochemically and geophysically surveyed by Kennco Explorations. These surveys delineated a 2.5 km x 1.0 km I.P. chargeability anomaly and coincident (yet smaller) copper soil geochemical and magnetic anomalies.

1973: Property optioned to Sumac Mines Ltd. who drilled 3 x-ray holes (no results available).

1974: Sumac Mines drilled 6 'BQ' holes to test the West and East Zone copper soil anomalies and 5 'BQ' holes into the magnetic high. The latter drill holes intersected magnetite-copper-gold mineralization within a well fractured, sericite, chlorite, epidote, carbonate, quartz, pyrite skarn hosted by calcareous andesite tuffs and agglomerates and lesser dioritic units. A reserve of 2.5 million tons of 0.3% Cu and 0.03 opt Au was returned from this skarn zone.

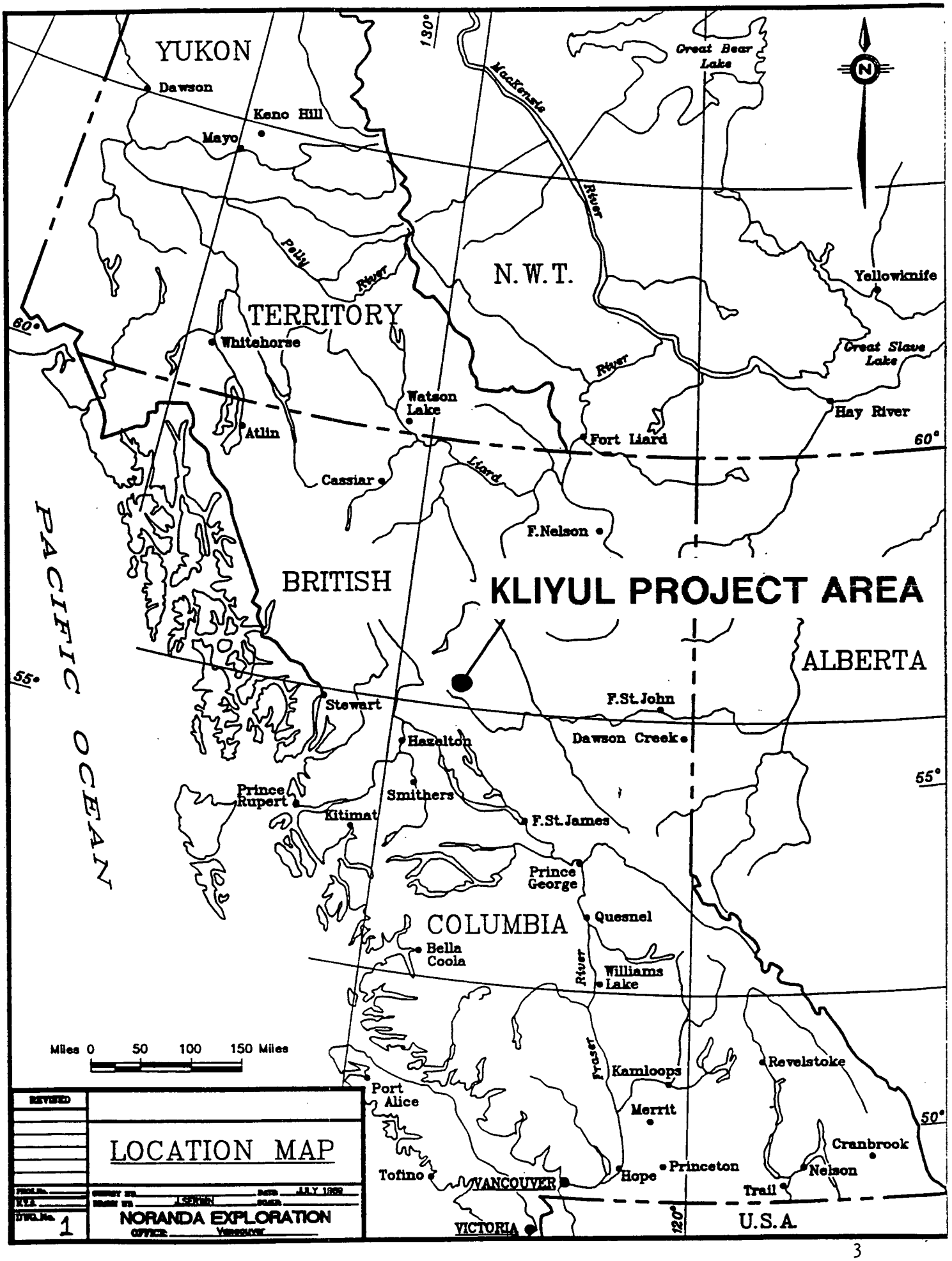
1981: Kennco and Vital Pacific drilled 4 more holes into the central skarn zone all in a southerly direction. Results on this programme were less than favourable.

1984: BP Minerals relogged and sampled portions of available core and conducted geological mapping and geochemical sampling.

1990: Placer Dome conducted linecutting, magnetometer and VLF-EM surveying, soil and rock sampling and prospecting in order to delineate magnetic anomalies similar to the known skarn zone, possible porphyry style mineralization and/or mineralized structures parallel to the large glacial valley.

1992: Noranda conducted 1:5,000 geological mapping concentrating on alteration assemblages as well as rock and minor soil sampling.

1993: Noranda completed a 6 hole, 560 meter reverse circulation drill programme to test magnetic highs and coincident copper-gold soil anomalies in the vicinity of the previously drilled 'skarn' zone. Subsequently more detailed mapping and a ground magnetic survey was conducted and a 288 test pit programme was also completed over areas of anomalous geochem, alteration and magnetic highs distal to the known magnetite occurrence.



REVISED	
	LOCATION MAP
DWG. No. 1	NORANDA EXPLORATION

1.4 Claims

The Kliyul group of claims is comprised of 52, two-post mineral claims and 1, 18 unit mineral claim (Drawing 2) owned by Hemlo Gold Mines Inc. and Golden Rule Resources Ltd. respectively.

CLAIM NAME	RECORD NUMBER	UNITS	RECORD DATE	ANNIVERSARY DATE
KLI 1	245065	1	AUG. 10, 1970	AUG. 10, 2005
KLI 2	245066	1	AUG. 10, 1970	AUG. 10, 2005
KLI 3	245067	1	AUG. 10, 1970	AUG. 10, 2005
KLI 4	245068	1	AUG. 10, 1970	AUG. 10, 2005
KLI 5	245069	1	AUG. 10, 1970	AUG. 10, 2005
KLI 6	245070	1	AUG. 10, 1970	AUG. 10, 2005
KLI 7	245071	1	AUG. 10, 1970	AUG. 10, 2005
KLI 8	245072	1	AUG. 10, 1970	AUG. 10, 2005
KLI 9	245073	1	AUG. 10, 1970	AUG. 10, 2005
KLI 10	245074	1	AUG. 10, 1970	AUG. 10, 2005
KLI 11	245075	1	AUG. 10, 1970	AUG. 10, 2005
KLI 12	245076	1	AUG. 10, 1970	AUG. 10, 2005
KLI 13	245077	1	AUG. 10, 1970	AUG. 10, 2005
KLI 14	245078	1	AUG. 10, 1970	AUG. 10, 2005
KLI 15	245059	1	AUG. 10, 1970	AUG. 10, 2005
KLI 16	245080	1	AUG. 10, 1970	AUG. 10, 2005
KLI 17	245081	1	AUG. 10, 1970	AUG. 10, 2005
KLI 18	245082	1	AUG. 10, 1970	AUG. 10, 2005
KLI 19	245083	1	AUG. 10, 1970	AUG. 10, 2005
KLI 20	245084	1	AUG. 10, 1970	AUG. 10, 2005
KLI 21	245155	1	SEP. 11, 1970	SEP. 11, 2005
KLI 25	245156	1	SEP. 11, 1970	SEP. 11, 2005
KLI 26	245157	1	SEP. 11, 1970	SEP. 11, 2005
KLI 27	245158	1	SEP. 11, 1970	SEP. 11, 2005
KLI 28	245159	1	SEP. 11, 1970	SEP. 11, 2005
KLI 39	245682	1	JUL. 12, 1971	JUL. 12, 2005
KLI 40	245383	1	JUL. 12, 1971	JUL. 12, 2005
KLI 41	245384	1	JUL. 12, 1971	JUL. 12, 2005
KLI 42	245385	1	JUL. 12, 1971	JUL. 12, 2005
KLI 43	245386	1	JUL. 12, 1971	JUL. 12, 2005
KLI 44	245387	1	JUL. 12, 1971	JUL. 12, 2005
KLI 45	245388	1	JUL. 12, 1971	JUL. 12, 2005
KLI 46	245389	1	JUL. 12, 1971	JUL. 12, 2005
KLI 47	245390	1	JUL. 12, 1971	JUL. 12, 2005
KLI 48	245391	1	JUL. 12, 1971	JUL. 12, 2005
KLI 49	245392	1	JUL. 12, 1971	JUL. 12, 2005
KLI 50	245393	1	JUL. 12, 1971	JUL. 12, 2005

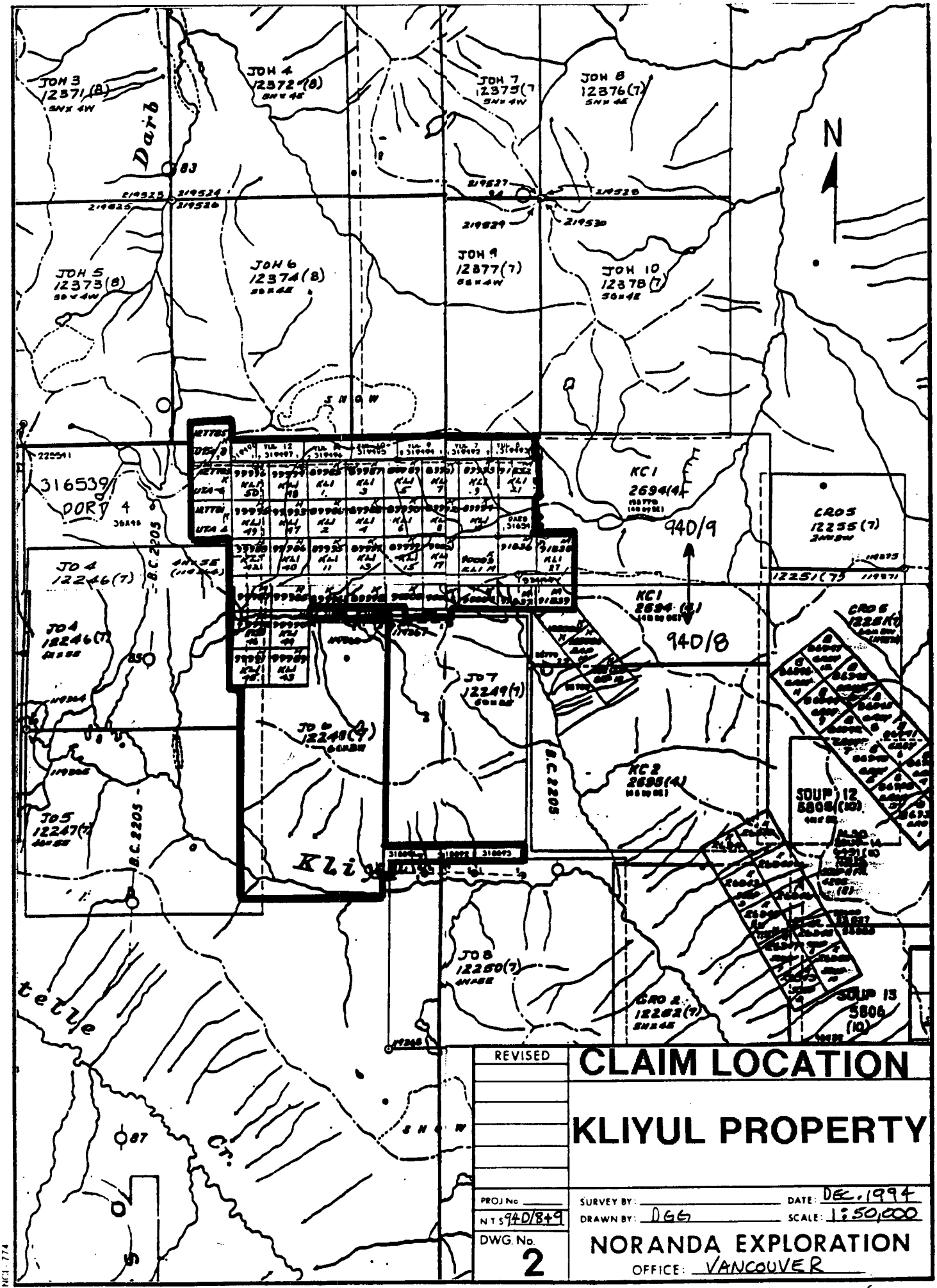
CLAIM NAME	RECORD NUMBER	UNITS	RECORD DATE	ANNIVERSARY DATE
UTA 4	245777	1	AUG. 29, 1973	AUG. 29, 2005
UTA 6	245778	1	AUG. 29, 1973	AUG. 29, 2005
UTA 8	245779	1	AUG. 29, 1973	AUG. 29, 2005
YUL 3	318890	1	JUL. 6, 1993	JUL. 6, 2005
YUL 4	318891	1	JUL. 6, 1993	JUL. 6, 2005
YUL 5	318892	1	JUL. 6, 1993	JUL. 6, 2005
YUL 6	318893	1	JUL. 6, 1993	JUL. 6, 2005
YUL 7	319492	1	JUL. 15, 1993	JUL. 15, 2005
YUL 8	319493	1	JUL. 15, 1993	JUL. 15, 2005
YUL 9	319494	1	JUL. 15, 1993	JUL. 15, 2005
YUL 10	319495	1	JUL. 15, 1993	JUL. 15, 2005
YUL 11	319496	1	JUL. 15, 1993	JUL. 15, 2005
YUL 12	319497	1	JUL. 20, 1993	JUL. 20, 2005
YUL 13	319498	1	JUL. 20, 1993	JUL. 20, 2005
JO 6	242398	1	JUL. 12, 1990	JUL. 12, 1997
DARB 2	316541	1	MAR. 10, 1993	MAR. 10, 2005

1.5 Economic Potential

Historical drilling on the Kliyul property by Sumac Mines Ltd. and Kennco/Vital Pacific in 1974 and 1981 has outlined a Cu-Fe-Au skarn zone estimated to contain 2.5 million tons of 0.3% Cu and 1.03 gpt Au which is situated on the northern flank of one of several magnetic highs which constitute a larger zone of high magnetic susceptibility measuring 450 m x 350 m. Previous examination of the old drill core and drill logs suggests that the higher grade copper and gold values are associated with higher magnetite content. Based on this information the potential for increasing the tonnage of the Cu-Fe-Au 'skarn' zone is considered excellent.

1.6 Survey Control

The surveying of drill hole collars during this programme was conducted utilizing Placer Dome's 1990 metrically chained and slope corrected grid for control. This grid was also used by Noranda field personnel during the 1992 mapping programme and subsequent surveys on the main Kliyul property. A second grid system was established in the Kliyul East area to better cover the northwest trending geology and structural fabric. This grid was established with winglines at 200 meter intervals and 25 meter station spacings and was also slope corrected and tied into topographic features for control.



REVISED	
PROJ No.	
NTS	940/8+9
DWG. No.	2

CLAIM LOCATION

KLIYUL PROPERTY

SURVEY BY: _____ DATE: DEC. 1994

DRAWN BY: DGG SCALE: 1:50,000

NORANDA EXPLORATION

OFFICE: VANCOUVER

NCE-774

1.7 Sampling

Sampling of the drill core was done primarily at 2.0 meter intervals. Interval length was dependent on lithologies as well as abundance of mineralization encountered. All samples were sent to Noranda Exploration Laboratory at Unit #1, 7550 - 76th Street, Delta, B.C.

Refer to Appendix I for laboratory analytical techniques and Appendix III for geochemical results of the drill core.

2.0 GEOLOGY

2.1 Regional (Drawing #3)

The Kliyul property is situated within the Intermontane Belt which is comprised of Upper Triassic to Lower Jurassic island arc volcanics, volcaniclastics and minor sediments of the Takla Group which hosts such Cu-Au porphyry deposits as Mt. Milligan and Kemess. The dominantly volcanic package in the Kliyul Creek area has been intruded by Jura-Cretaceous aged diorites, monzonites and syenites associated with the Hogem Batholith.

Prominent structural features in the area include NW, E-W, N-S and NNE-SSW trending fault systems. At Kliyul the first two systems seem to be closely related to mineralization.

2.2 Detailed

Geological surveying of the Kliyul project area was conducted at 1:5,000 scale on the Kliyul grid using flagged, metrically chained grid lines and topographic bases for control. The resulting map (Drawing 4) for the Kliyul property is a combination of Noranda's 1992 and 1993 mapping and shows rock types, rock sample locations, test pit locations and drill sites.

Mapping has confirmed that the survey area is underlain by a late Triassic aged volcano-sedimentary succession of Takla Group rocks intruded by Triassic-Jurassic aged gabbro/pyroxenites, listwanites, monzonites and diorites and Cretaceous aged quartz monzonites/diorites.

The southeast section of the property is dominated by massive feldspar +/- augite phyric andesitic tuffs and flows (Unit 1) which are intercalated with beds of fine grained laminated, white to grey limestones and agglomerates with a limy matrix containing large clasts (up to 30-40 cm) of limestone and volcanic derived material (Unit 3). Pyritic, dark grey, finely laminated sediments (sandstones, argillites, Unit 4) stratigraphically overly the section of impure limestones. Locally the sedimentary pile also contains sections of graphitic mudstones and shales (Unit 5). Bedding and foliation orientations suggest that the volcano-sedimentary package in this area of the grid strikes northwest and dips moderately northeast.

Unconformably overlying the above mentioned stratigraphy in the far southeast portion of the map area are flat lying, massive dark green augite porphyry flows and tuffs which are typically magnetic and well epidotized. Brecciation of this unit (#6) is thought to be related to faulting and late cross-cutting dykes.

Similar stratigraphy is evidenced in the north-central portion of the grid area where the rocks are folded in a shallow syncline with an east-west axial trace. The southern limb strikes east-west with shallow dips to the north. Local north-south strikes, easterly dips within the sediments on this limb of the fold are due to moderate intrafolding. The northern limb of the syncline exhibits moderately steep dips to the southeast which are exposed on the north facing slopes of an east-west trending ridge underlain by augite porphyry flows.

In the west-central portion of the grid the predominantly volcanic rich sequence of undifferentiated andesitic tuffs and flows is observed with a basic east-west trending orientation and intercalated with a pervasively epidotized fragmental andesite which exhibits predominantly angular felsic intrusives clasts (Unit 2). Further west the stratigraphy begins to strike north-south with moderate to shallow east dips observed in the sedimentary package.

It is postulated that the sedimentary sequences within the Takla Group observed in the gridded area represent one distinct stratigraphic horizon. However, it is unclear whether the sequence of argillites/limestones to the south and west of the large northwest-southeast trending fault (marked by listwanite outcroppings) is connected below surface to the similar sedimentary package in the northern portion of the survey area by gentle, east-west trending folds or if the large east-west trending fault marked by the headwaters of west Kliyul Creek and Lay Creek and by patches of ferrocrete (or another unobserved fault to the north of the baseline) has caused vertical displacement between the two major sedimentary occurrences.

Intrusive rocks observed during the mapping programme consist of listwanites (Unit 8), gabbro/pyroxenites (Unit 9), altered monzonite/diorite (Unit 10), melanocratic diorites (Unit 11 including microdiorite dykes), leucocratic diorites (Unit 12), quartz monzonites (Unit 13) and fine to medium grained feldspar porphyry dykes (Unit 14).

The predominant trend of intrusive occurrences on the grid appears southeast to northwest. In the southeast portion a gabbro/pyroxenite intrusive occurs along a sheared/faulted contact between the sedimentary-volcanic package to the south and highly altered and foliated monzonite/diorite to the north. This ultramafic intrusive grades or alters to listwanite and continues northwest for 2500 meters before disappearing under glacial drift cover of the West Kliyul Creek valley and is again exposed in the far northwest portion of the map area. It is not known if the listwanite dyke crosscuts the east-west trending fault along the baseline or if the listwanite and altered monzonite/diorite intrusives have been left laterally displaced for approximately 1.5 km in an east-west direction.

The most visually striking intrusive in the survey area consists of an intensely sheared, bleached, pyritic (5-10%), strongly to moderately sericite-quartz-clay altered and gossaned sheeted dyke complex ranging in composition from feldspar porphyritic diorite to feldspar +/- quartz porphyritic monzonite. This intrusive complex also strikes northwest and exists near Divide Lake through to the main skarn mineralization and area of drilling and test pitting. Other occurrences of Unit 10 can be observed as plugs/dykes on lines 2600E and 2800/2500N and in the northwest corner of the grid along line 800E.

Field observations of contact relationships suggest that the next phase of intrusion consists of the massive, medium to coarsely crystalline, melanocratic diorite which outcrops as a plug on the east side of the headwaters of East Kliyul Creek between lines 400E & 4800E, on line 3200E, 1800N, intruding the altered feldspar porphyritic monzonite/diorite, on lines 1000E & 1200E, 2400N, on the southwest portions of the Morraine grid and to the far east-central part of the grid on lines 5600-6000E/2400N. This unit stands out as a strong magnetic anomaly on the airborne vertical magnetic gradient map due to finely disseminated magnetite. The unit appears relatively fresh and uniform and averages 40% mafics (hornblende), 50% plagioclase and minor potassium feldspar. It is believed that this intrusive phase is responsible for the subsequent altering of the feldspar porphyry monzonite/diorite and introduction of the Fe-Cu-Au skarn mineralization.

Other smaller dykes and plugs of medium grained, leucocratic diorite and felsic, feldspar porphyry dykes occur throughout the property while to the northwest and northeast corners of the grid exist larger, younger, fresh looking quartz monzonites of probable Cretaceous age.

3.0 DIAMOND DRILLING PROGRAMME (PHASE I)

The main focus of the 1994 drill programme was to test the lateral and depth extensions of the previously drilled magnetite-silica replacement zone known as the Kliyul Main skarn zone. Drill holes 94-20, 21, 22, 23, 24 and 25 were spotted south and west of previously drilled holes targeting what was believed to be a WNW-ESE trending flat-lying magnetite-silica body dipping 20-30° SSW with coincident high magnetic susceptibility readings and anomalous Cu and Au values obtained from soil geochemistry and test pit sampling.

3.1 Presentation of Drill Hole Data

Drilling parameters for holes 20 through 28 are listed in the table below. Refer to Drawings 5, 6, 7-15 for plans and sections of these holes. Sections show copper results (ppm) with corresponding sample width in meters.

HOLE #	TOTAL LENGTH (meters)	COORDINATES EAST	NORTH	AZIMUTH (TRUE)	DIP	DATE COLLARED	DATE COMPLETED
NK-94-20	152.4	2620	1870	035	-70	AUG 2, 1994	AUG 4, 1994
NK-94-21	125.0	2720	1845	035	-70	AUG 4, 1994	AUG 6, 1994
NK-94-22	108.5	2780	1760	035	-70	AUG 6, 1994	AUG 7, 1994
NK-94-23	152.4	2880	1740	035	-70	AUG 7, 1994	AUG 9, 1994
NK-94-24	64.0	2866	1908	035	-70	AUG 9, 1994	AUG 11, 1994
NK-94-25	131.1	2555	1910	035	-70	AUG 11, 1994	AUG 12, 1994
NK-94-26	118.9	1300	2315	035	-70	AUG 12, 1994	AUG 13, 1994
NK-94-27	91.4	3370	2105	035	-45	AUG 13, 1994	AUG 14, 1994
NK-94-28	103.0	3710	1545	210	-45	AUG 14, 1994	AUG 15, 1994

3.2 Synopsis of Drill Holes (Phase I)

DDH-NK-94-20

This hole was drilled to test the western lobe of a large magnetic anomaly measuring 500 x 400 m and the downdip extension of two mineralized horizons encountered in RC-KL93-5 which returned 0.46 gpt Au, 0.25% Cu over 10 meters (12-22) and 2.3 gpt Au, 0.27% Cu over 24 meters (50-74 meters).

After 9.0 meters of overburden the hole began in very broken and shattered feldspar phyric andesite with weak to strong sericite alteration and weak to moderate chloritization. Fine grained, disseminated pyrite was observed throughout the interval (9.0 - 51.2 m) up to 7% and increasing in areas of more intense sericite. Magnetite occurs as very fine grained disseminations and forms local patches or clots from 44.9 m to the end of the hole. Only trace amounts of chalcopyrite was observed as isolated blebs from $\leq$1 mm to 2 mm.

From 51.2 to 114.4 m the bedrock encountered remained andesitic in composition but with a high chlorite content and sericite alteration ranging to weak only. This interval also signifies an increase in carbonate fracture filling and epidotization. Magnetite occurs as in the previous section from 0.5 to 4.0% but averaging <1%.

From 114.4 to the bottom of the hole (152.4 m) the core becomes much more competent with 15 to 40% gypsum microfractures and veinlets. This section is moderately pervasively chloritized with weak to moderate sericite. Magnetite occurs in small <2 cm patches and in sections of up to 2 m in length of up to 8-15% disseminated magnetite. Locally, rare chalcopyrite crystals were observed associated with pyrite often hosted in quartz/gypsum veinlets.

Best results returned from this hole were 0.12% Cu/7.8 m (44.0 - 51.8 m), 0.18% Cu/21.3 m (61 - 82.3 m), 0.13% Cu/8.1 m (88.4 - 96.5 m) and 0.17% Cu/19.6 m (114.4 - 134 m) with no appreciable gold values in any of the intervals.

DDH-NK-94-21

This drill hole was targeted on the downdip extension of a mineralized magnetite-silica zone intersected in RC-KL93-4 which returned 1.85 gpt Au, 0.5% Cu over 20.0 m (68 - 88.0 m) and on a >1000 ppm Cu, >200 ppb Au soil anomaly returned from test pit sampling.

After casing to 12.3 m this hole encountered well broken, shattered, moderately chloritized feldspar phyric andesite with weak to moderate chloritization, moderate sericite alteration and 3-4% very fine grained pyrite.

From 76.8 m to the end of the hole (125.0 m) the core becomes much more competent with a distinct gypsum +/- calcite and/or quartz filled crackle breccia texture and several andesite dykes. This section is mainly moderately chloritized with occasional sections of epidotization and sericitization. Magnetite occurs as small centimeter sized clots, as disseminations and associated with quartz veinlets. An increase in very fine grained magnetite is locally observed (to 30% over 2-3 meters) when silica flooding is present and along the margins of silica-pyrite enriched zones. Minor disseminated chalcopyrite was also observed associated with pyrite and occurring along quartz +/- calcite vein selvages.

The best reported copper values from this hole are 0.14%/6.1 m (39.6 - 45.7 m), 0.16% Cu/6.7 m (70.1 - 76.8 m), 0.17% Cu/32 m (84 - 116 m) and 0.27%/3.0 m (122 - 125 m). No appreciable gold values were returned from this hole.

DDH-NK-94-22

Drill hole 94-22 was targeted on the southern most magnetic lobe associated with the larger 400 x 500 m high magnetic susceptibility anomaly which hosts all of the gold and copper bearing mineralization intersected to date. A >1000 ppm Cu, >200 ppb Au in test pit soils anomaly is also located in the collar vicinity.

As in the case of the previous two holes bedrock encountered in this area tends to very broken and shattered from 6.1 (overburden/bedrock interface) to 86.0 m in depth. However, hole 94-22 shows more pronounced foliation, chloritization and sericitization in this upper section than the holes previously mentioned with more frequent dyking. Pyrite concentrations vary from 1 to 12% and averages approximately 5% occurring mainly as fine grained disseminations with local chalcopyrite observed associated with the pyrite grains.

At 86.0 m the core becomes more competent where healed gypsum microfractures occur and dominate the texture to the bottom of the hole. This interval is also characterized by moderate to strong sericite alteration, locally intense quartz veining and local areas of silica flooding with associated fine grained magnetite. Chalcopyrite is most often seen where an increase in fine grained pyrite occurs and along gypsum veinlet selvages.

This hole was stopped at 108.5 meters due to faulting and caving.

The best copper grades returned from this hole are listed below.

1. 0.23%/6.0 m (17-23 m)
2. 0.16%/9.0 m (31 - 40 m)
3. 0.13%/6.0 m (50-56 m)
4. 0.21%/6.0 m (64-70 m)
5. 0.14%/28 m (76 - 104 m)

DDH-NK-94-23

This hole was targeted on the same magnetic anomaly as DDH-NK-94-22 but 100 meters to the east-southeast.

The upper section of this hole is dominated by a series of well broken andesitic and feldspar phyric andesitic flows and tuffs with moderate sericite alteration and local sections of magnetite/silica flooding to 30.5 m.

From 30.5 m to 117.6 m the composition of the core again varies from non-feldspar phyric to feldspar phyric andesites but exhibits more foliation and strong sericitization. Locally magnetite/silica flooded zones occur in thin bands over zones of up to 12 meters wide. Pyrite content within this section ranges from 2 to 5% and has associated very fine grained chalcopyrite.

An increase in gypsum microfracturing, quartz/calcite veinlets and core competency marks the last main section of this hole from 117.6 to 152.4 m (End of hole).

Best copper results from this hole are listed below.

1. 0.28% Cu/6 m (31-37 m)
2. 0.17% Cu/38 m (50-88 m)
3. 0.15% Cu/12 m (92-104 m)
4. 0.12% Cu/4 m (118-122 m)
5. 0.15% Cu/10 m (134-144 m)
6. 0.13% Cu/4 m (148-152 m)

No amomalous gold results were returned from this hole.

DDH-NK-94-24

Drill hole NK94-24 was targeted upon the easternmost lobe of the high magnetic susceptibility anomaly coincident with anomalous WNW trending soil and test pit rock geochemistry values and upon the updip and lateral extension of the mineralized horizon intersected in RC-KL-93-4 which returned 1.85 gpt Au, 0.5% Cu/20.0 m (68-88 m).

The hole was collared in overburden and reached bedrock at a 6.4 m depth where a mottled dark grey and green andesite was cored containing spots of magnetite and silica, disseminated fine grained magnetite, 5% disseminated pyrite, and moderate quartz veining containing some chalcopyrite. Below the 30.5 m depth larger areas or patches of magnetite/silica appear. This interval continues to 45.8 m with an overall magnetite content of 30-40% explaining the ground magnetic response.

From 45.8 to 49.4 m magnetite/silica was observed to replace the entire protolith. Magnetite content of this zone reaches 70% and occurrs as massive, fine grained disseminations and associated with silica flooding. Chalcopyrite in this zone is disseminated and very fine grained and hosted within quartz filled fractures and siliceous zones without magnetite. Core recovery from this interval was less than 40%.

The interval between 49.4 and 60.1 m is dominated by monzonitic dykes cutting andesite similar to that observed from 6.4 to 45.8 m. The larger of these dykes contains disseminated magnetite and chalcopyrite occurring along the edges of magnetite grains and on fracture surfaces.

Foliated, moderately chloritic andesite occurs from 60.1 to 64.0 m with up to 15-20% magnetite and minor chalcopyrite. The hole ended at 64.0 m due to caving problems.

The best reported values of copper from this hole are listed below.

1. 0.2%/10.2 m (8.1 - 18.3 m)
2. 0.12%/6.1 m (20.3 - 26.4 m)
3. 0.18%/4.1 m (33.5 - 37.6 m)
4. 0.11%/10.2 m (53.8 - 64.0 m)

Only two samples returned anomalous values of gold; 69815 = 0.011 opt (0.377 gpt) and 69819 = 0.016 opt (0.549 gpt). Both samples were taken from the interval above the more mineralized horizon.

DDH-NK-94-25

This hole was drilled to test the same anomalies as those hole NK-94-20 tested but was collared 75 meters along strike to the west-northwest.

Bedrock was reached at 9.1 m where a large section of well broken to shattered, locally chloritized, sericitized and epidotized andesites, andesite volcaniclastics, and dacites occurs cut by numerous andesite to monzonite dykes to a depth of 89.4 m. Magnetite in this interval occurs as fine grained disseminations commonly associated with areas of chloritized mafics and with more siliceous zones or patches. Many of the monzonite dykes are well sericitized and more foliated and chloritic sections are observed in host rock between dykes and along dyke contacts.

At 89.4 m to the bottom of the hole (131.1 m) the core continues to exhibit seriticization but calcite veining and gypsum healed microfracturing become much more prevalent.

Magnetite occurs as disseminations, fracture fillings and within and along gypsum vein selvages. Very minor chalcopyrite was observed associated with fine grained disseminated pyrite, with pyrite in gypsum and quartz veins and solely within gypsum veins.

Only two sections of elevated copper were returned from between 41.9 to 43.9 m (2.0 m) at 0.114% and 129.4 to 131.1 m (1.7 m) at 0.14%.

DDH-NK-94-26

This hole was drilled to test the possible western extension of the Main Kliyul mineralized horizon north of the E-W trending 'Kli' fault (which parallels the headwaters of Lay Creek) and which appears to have offset certain sedimentary units and dykes for up to 1.5 km (see geological section). Stratigraphic mapping coupled with a large coincident magnetic high, intrusive activity and altered monzonites carrying up to 0.21% Cu and 5.7 gpt Au suggested similar mineralization to that at the Main zone may have existed at this location.

NK94-26 collared and ended in fine to coarse grained melanocratic diorite which ranged from weakly to moderately magnetic with local epidotization and chloritization of mafics, chloritic fractures and minor quartz, quartz-carbonate +/- chlorite and carbonate veinlets. The dioritic intrusive is also cut by gabbro to quartz monzonite composition dykes.

No mineralized sections or anomalous values are reported from this hole.

DDH-NK-94-27

NK94-27 was drilled to test coincident magnetic susceptibility, anomalous test pit rocks to 0.42 gpt Au and anomalous values in copper and gold returned from test pit soils located immediately downslope of the magnetic/rock geochem target.

After 9.1 m of overburden this hole began coring a section of foliated, strongly sericitized monzonite containing 7-10% fine grained disseminated and fracture filled pyrite with weak to moderate carbonate veining and no magnetite or chalcopyrite to a depth of 33.8 m.

Between 33.8 m and 53.0 m the hole penetrated foliated, chloritized and locally sericitized layers of andesite and smaller interbeds of less foliated, more sericitized dacite intruded by several monzonitic dykes. Carbonate fracture fillings and veining were observed throughout the section and fine grained, disseminated pyrite concentrations of 1-2% were noted.

Weakly to moderately sericitized monzonites with up to 3-10% disseminated and fractured filled pyrite were intersected from 53.0 to 69.7 m.

Moderately sericitized and weakly to moderately chloritic andesites and lesser dacites were observed to the bottom of the hole (91.5 m) with an increase in carbonate +/- quartz veinlets and localized silica flooding. Pyrite concentrations vary from <1% to 20% locally where more felsic, foliated units are encountered.

No observable concentrations of magnetite or chalcopyrite were noted in this hole and no anomalous copper or gold values were returned.

DDH-NK-94-28

A value of 0.58 gpt Au returned from gossanous, sericite-clay altered monzonitic intrusives in test pit sampling along the WNW trending intrusive body associated with the main Kliyul mineralized zone (located 1000 meters to the WNW) was the target for drill hole NK94-28.

An overburden depth of 4.6 m was cased before bedrock was reached which consisted of broken, weakly to moderately sericitized monzonite with pervasive and fracture filled carbonate and fine to medium grained fracture filled pyrite from 2-5%.

From 18.3 m to 27.4 m well broken andesite volcaniclastics were encountered with local strongly sericitized sections, carbonate fracture fillings and fine grained disseminated and fracture filled pyrite from 2-7% and minor monzonitic dykelets.

At 27.4 m to 86.2 m more monzonitic dykes with minor intervals of andesite volcaniclastics were cored. This section contains a strongly pyritic (disseminated and fracture filled) upper zone, weak to strong silicified sections throughout, variable foliation strongest in moderately to strong sericitized zones and abundant carbonate filled fractures as well as carbonate flood zones.

The last section from 86.2 m to 103.0 m is dominated by carbonate altered and veined andesites with fine grained disseminated and fracture filled pyrite. The last 4.5 m is very sericitic and foliated with an increase in pervasive carbonate alteration and quartz veining. The hole was stopped 17 meters short of the intended depth due to caving.

No anomalous values of gold or copper were returned from the samples taken.

4.0 KLIYUL EAST

The area described in this section of the report is located in the southeast corner of the Kliyul claim block adjacent to the KC and Bap claims. Due to the differing alteration and mineralization styles between this area and that at the Main Kliyul zone this section has been separated from the main body of the report. Below is a brief description of the geology, alteration, structure and geochemical results obtained earlier in 1994 during a more detailed programme than the one conducted in 1992-1993. Refer to Appendix II for geochem results for this area and Drawings 17-20 for a graphic display of this data. The grid system for this portion of the claims also differs to that used over the Main zone however the location of DDH NK94-29 has been accurately plotted on both grid systems (see Drawings 5 and 17-20) for reference.

4.1 Geology, Alteration and Structure

Geological surveying on the Kliyul East portion of the property was conducted at 1:5,000 scale using flagged, metrically chained, slope corrected grid lines and topographic bases for control. The resulting maps (Drawings 16-19) show rock types, rock sample locations and alteration as well as structural information.

Mapping has confirmed that the survey area is underlain by a late Triassic aged volcano-sedimentary succession of Takla Group rocks intruded by Triassic-Jurassic aged gabbro/pyroxenites, monzonites, and diorites. These are separated into 7 mappable units which are described below and exist in a northwest trending, eastward dipping succession.

Unit 1 is described as andesite volcaniclastics which consist of massive, medium green coloured, crystal and crystal/lithic tuffs. Crystal composition is mainly feldspars which are 1-3 mm, white, block and broken. Fragments observed are monolithic, feldspar phyric volcaniclastics similar to the host matrix and range in size from 2 mm to 1 cm. Fragment content makes up less that 1% of the rock.

At the top (east) of the volcaniclastics and below the augite porphyry unit is an andesite breccia. The majority of the clasts are monolithic and appear to be similar in composition to the matrix; feldspar phyric andesite in a chloritic groundmass and feldspar crystals to 3 mm. The clasts are subangular to subrounded and range in size from less than 1 cm to 30 cm. The brecciated texture is generally difficult to see, especially fresh, broken surfaces. In rare occasions the clasts consist of unaltered, medium grey, silty limestone.

Epidote alteration occurs throughout this unit and varies from weak to strong. Locally pervasive carbonate is present towards the top of the unit.

Lying stratigraphically above the andesite volcaniclastics are rocks of Unit 2 and 3 which consist of fine grained, thinly laminated, grey to black, rusty weathering argillites and grey, medium grained to black, gritty, fine grained limestone. These 2 units mark a period of quiescence between the lower feldspar phyric andesite and the upper augite porphyry flows and flow breccias of Unit 4. Rocks of Unit 4 are described as dark grey-green in color with massive blocky fracturing which form prominent rugged ridge crests. Generally both the flows and flow breccias (monolithic) are porphyritic with euhedral to subhedral pyroxene phenocrysts to 5 mm and 1-2 mm euhedral feldspar crystals and locally appear non-porphyritic and fine grained. Magnetism of these rocks varies from weak to strong. Augite porphyry dykes are also observed cutting underlying stratigraphy.

The remaining units observed on the property consist of a series of intrusive rocks ranging from gabbro through monzonite.

Unit 5 is described as a gabbro complex which contains abundant 3-5 mm euhedral to subhedral pyroxene crystals, is strongly magnetic and exhibits epidote altered feldspars.

Marginal to the gabbro is a melanocratic, hornblende-biotite diorite which locally grades to leucocratic. It is variably magnetic with the more mafic-rich phase having the strongest magnetic signature. This diorite (Unit 6) occurs as dykes/sills as part of the sheeted dyke complex primarily composed of monzonite. The diorite is grey-green, fine grained, equigranular, hornblende rich with weak to strong chlorite alteration and is locally epidotized.

Unit 7 consists of orange weathering, light grey-green monzonite which contains more than 60% feldspar and is fine to medium grained and equigranular. Weathering of this unit creates massive, block fracturing. The monzonite occurs as a sheeted dyke complex occurring mainly between Lines 650N through 656 N.

The most visually striking area of the surveyed grid is a large gossanous zone occurring on the Kli 25, 27 & 28 mineral claims and extends southeastward onto the Bap 10, 14 and 18 mineral claims. This is attributed to the following three types of alteration.

1. Silica alteration of the andesite volcaniclastics which is characterized by dark, brick red weathering due to the oxidation of up to 10% fine grained, disseminated silvery, colored pyrite within a grey-green, siliceous matrix. This alteration type is restricted to rocks grid north of line 65600N.

2. Propylitic alteration of the andesite volcaniclastics characterized by dark orange weathering and a weakly to strongly chloritized matrix as well as epidotized/clay altered feldspars. Pervasive weak carbonate alteration occurs locally and the rock type contains from 0 to 4% fine grained disseminated, brassy yellow pyrite.

3. The third main alteration type is described as sericite-clay-pyrite (argillic) alteration of volcaniclastics and monzonite. This assemblage is characterized by light orange to yellow-white weathering due to pervasive sericitization and epidotization with or without feldspars altering to kaolinite. This alteration type occurs between lines 648N and 655N topographically below the upper gossanous areas and locally displays a distinct schistose fabric. The rusty fractures and local boxwork texture are indicative of leached pyrite although these areas can contain up to 10% non-weathered, very fine grained, disseminated silvery pyrite.

The two varieties of pyrite observed suggest at least 2 alteration events; propylitic (2) followed by a later silica-sericite rich event (1 & 3) leading to the destruction of the brassy, yellow pyrite and an introduction of the finer grained silvery pyrite.

The predominant strike of the volcano-sedimentary package is northwest-southeast, with dips of 20° to 45° to the northeast. The strike of the foliations in both the altered monzonite and in the altered volcanic tuffs is generally conformable to the strike of the bedding, with dips to the northeast from 23° to 60°. Several distinct narrow shear zones were noted. Joint plane orientations appear to be both subparallel to and crosscutting the foliation.

4.2 Geochemistry

The rock geochemical programme conducted over the Kliyul East portion of the property focused on the gossanous ridge covered by the Kli 25, 26, 27 & 28 and Bap 10, 14 & 18 claims and local rusty weathering pyritic horizons.

All of the rocks sampled within the gossanous/sericite zone have gold values of <100 ppb. Two rocks with gold values of 170 and 330 ppb were collected from a cirque in the northeast portion of the grid. Samples PM0173 and PM0176 were collected from talus boulders of andesite composition with pervasive iron carbonate, 5% disseminated pyrite and some degree of silicification.

The soil geochemical programme essentially focused on the gossanous ridge where anomalous geochemistry had been outlined by previous operators. For the purpose of this report only the Au values are illustrated.

A large >100 ppb Au soil anomaly is located between lines 65200N and 66200N, centered at approximately 79400E (the base line). This anomalous zone averages 700 m in width and strikes for 1.0 km in a northwest direction. It is open in both directions.

Contained within the >100 ppb Au zone is one main northwest striking secondary zone of >200 ppb Au, with values up to 3700 ppb Au. This lies between line 65200N and 65600N and is semi-coincident with the gossan/sericite alteration zones.

Gold values of >200 ppb Au are also found in the northeast part of the grid within a north facing cirque known to contain anomalous rock samples.

5.0 PRESENTATION OF DRILL HOLE NK94-29 DATA

Drilling parameters for the second phase of drilling on the Kliyul property in 1994 are listed below.

HOLE	TOTAL LENGTH (meters)	COORDINATES EAST	NORTH	AZIMUTH (TRUE)	DIP	DATE COLLARED	DATE COMPLETED
NK94-28	73.76	4820	1405	215	-65	OCT 6, 1994	OCT 10, 1994
		(79477)*(65190)					

*Shows the differing grid coordinates for the location of DDH-NK-94-29. The coordinates in parantheses are from the Norex established grid while the other set corresponds to the translated Placer grid used on the rest of the Kliyul property.

5.1 Synopsis of Drill Hole NK94-29

A strongly sericitized, gossaned, foliated area of andesites and numerous monzonitic dykes with coincident gold soil anomalies was the target for this drill hole. Although no anomalous rock samples were returned from this area it was felt that if the extremely oxidized bedrock was penetrated an increase in in-situ gold mineralization may occur at depth below the leached cap.

This hole cased through 7.62 m of talus fines and rubble before hitting bedrock. From this point to 17.4 m a very broken, chloritized and weakly epidotized diorite was intersected. The rock in this interval was so broken that only a 16% recovery was achieved.

From 17.4 m to the bottom of the hole broken and oxidized andesitic volcaniclastics were encountered with numerous small diorite dykelets noted. Carbonate +/- quartz veinlets were observed throughout the section and pyrite content varies from trace to 5% (disseminated and fracture filled).

At 73.76 m the hole was abandoned as rods seized. The total overall recovery from this hole was only 30.5%. The hole never reached the unoxidized underlying strata as hoped and no anomalous values in gold or copper were returned.

6.0 CONCLUSIONS

1. Drilling of the Main Kliyul mineralized horizon in 1994 failed to intersect any significant copper or gold grades associated with the hydrothermally replaced magnetite/silica zone drill tested previously.

2. No evidence of limestones, abundant epidote, diopside or garnet was returned from the 1994 drill core or from the previous drill holes indicating that the Kliyul deposit may be a hydrothermally replaced zone of silica/magnetite +/- copper and gold hosted within somewhat calcareous, foliated, well broken and faulted, chloritic volcanics. Core analysis of the deeper holes drilled indicates a gypsum healed, quartz/carbonate veined, propylitically (locally sericitized) altered crackle breccia begins at depths of 75-100 m vertically. This zone may represent a propylitic halo surrounding a larger porphyry system located at depth or peripheral to the Klilyul replacement body.

3. The 1994 drill programme on the main Kliyul zone indicates that the silica/magnetite replacement zone is of limited and variable extent both laterally and to depth. Copper and gold grades drop off significantly away from the area of 1974, 1981 and 1993 drilling and therefore no further drilling is warranted.

4. Drill core examinations and analysis of NK94-26 failed to intersect any magnetite/silica/copper/gold mineralization perceived to exist at this location as a faulted extension of the main Kliyul zone.

5. Drill testing of the area northeast of the Kliyul Main zone in NK94-27 failed to intersect mineralized bedrock similar to that found in test pit rock samples collected in this vicinity in 1993.

6. Drilling results from NK94-28 failed to intersect any gold mineralization similar to that found in sheared and altered monzonites returned from the 1993 test pitting programme.

7. As DDH NK94-29 failed to penetrate the oxidized subsurface it is not known whether increased gold values exist in non-leached, sericitized, quartz veined, pyritic strata in the southeast portion of the Kliyul property.

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APPENDIX I

LABORATORY ANALYTICAL TECHNIQUES

ANALYTICAL METHOD DESCRIPTIONS FOR GEOCHEMICAL ASSESSMENT REPORTS

The methods listed are presently applied to analyse geological materials by the Noranda Geochemical Laboratory at Vancouver.

Preparation of Samples:

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

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

Analysis of Samples:

Decomposition of a 0.200 g sample is done with concentrated perchloric and nitric acid (3:1), digested for 5 hours at reflux temperature. Pulps of rock or core are weighed out at 0.4 g and chemical quantities are doubled relative to the above noted method for digestion.

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

Elements Requiring Specific Decomposition Method:

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

Arsenic - As: 0.2 - 0.3 g sample is digested with 1.5 ml of perchloric 70% and 0.5 ml of conc. nitric acid. A Varian AA-475 equipped with an As-EDL is used to measure arsenic content in the digest.

Barium - Ba: 0.1 g sample digested overnight with conc. perchloric, nitric and hydrofluoric acid; Potassium chloride added to prevent ionization. Atomic absorption using a nitrous oxide-acetylene flame determines Ba from the aqueous solution.

Bismuth - Bi: 0.2 - 0.3 g is digested with 2.0 ml of perchloric 70% and 1.0 ml of conc. nitric acid. Bismuth is determined directly from the digest with an AA-475 complete with EDL.

Gold - Au: 10.0 g sample is digested with aqua regia (1 part nitric and 3 parts hydrochloric acid). Gold is extracted with MIBK from the aqueous solution. AA is used to determine Au.

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

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

Uranium - U: An aliquot from a perchloric-nitric decomposition, usually from the multi-element digestion, is buffered. The aqueous solution is exposed to laser light, and the luminescence of the uranyl ion is quantitatively measured on the UA-3 (Scintrex).

N.B.: If additional elemental determinations are required on panned samples, state this at the time of sample submission. Requests after gold determinations would be futile.

LOWEST VALUES REPORTED IN PPM:

Ag - 0.2	Mn - 20	Zn - 1	Au - 0.01
Cd - 0.2	Mo - 1	Sb - 1	W - 2
Co - 1	Ni - 1	As - 1	U - 0.1
Cu - 1	Pb - 1	Ba - 10	
Fe - 100	V - 10	Bi - 1	

APPENDIX II

SOIL AND ROCK GEOCHEMICAL RESULTS AND DESCRIPTIONS

KLIYUL EAST

NORANDA DELTA LABORATORY

Geochemical Analysis

Project Name & No.: CROYDON – 45583 **Geol.:** G.G. **Date received:** AUG. 12 **LAB CODE:** 9408–033

Material: 57 Soils **Sheet:** 1 of 2 **Date completed:** AUG. 29

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

□ Organic, A Humus, S Sulfide

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 $HClO_4/HNO_3$ (4:1) at 203 °C for 4 hours diluted to 10 ml with water. Leeman PS3000 ICP determined elemental contents.

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

T. lo.	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
	65800N – 78900E	25	0.2	3.55	8	166	0.5	5	1.07	2.0	36	199	34	331	14.19	0.31	12	10	0.82	3648	5	0.06	41	0.15	14	87	0.15	103	230
	78950 *	15	0.2	0.69	7	109	0.2	5	2.55	0.9	29	97	5	20	1.84	0.18	3	3	0.14	3034	4	0.03	7	0.09	3	73	0.02	23	96
	79000	30	0.2	2.06	31	211	0.9	5	0.70	4.3	39	574	28	72	17.24	0.32	17	6	0.46	15000	22	0.04	90	0.14	28	78	0.07	65	1258
	79050	130	0.6	7.48	6	1349	0.5	5	0.36	0.5	27	11	8	49	6.39	2.11	11	16	1.62	697	8	0.20	8	0.16	11	69	0.18	210	150
	65800N –79100E	150	0.8	7.32	10	1360	0.5	5	0.33	0.7	27	6	8	65	7.06	2.16	12	16	1.56	477	9	0.22	8	0.18	13	73	0.17	211	141
	65800N –79150E	140	0.6	5.85	11	1069	0.4	5	0.12	0.2	17	7	7	70	8.17	1.67	9	13	1.16	393	4	0.32	6	0.19	19	55	0.11	188	122
	79200	130	0.8	5.20	15	724	0.4	5	0.97	0.9	33	21	16	138	8.85	1.15	10	13	1.76	1304	3	0.07	16	0.19	94	78	0.32	222	254
)	79250	130	0.8	5.32	26	1532	0.4	5	1.07	1.4	35	13	10	93	8.48	1.48	11	13	1.70	1268	7	0.07	10	0.18	104	92	0.33	206	376
1	79300	160	1.0	6.96	4	887	0.6	5	0.54	0.6	32	18	17	138	8.83	1.89	14	13	1.58	895	4	0.12	15	0.27	49	88	0.34	218	245
2	65800N –79350E	110	0.8	6.25	2	967	0.5	5	0.49	1.0	28	34	12	156	7.88	1.61	11	15	1.36	1756	2	0.13	14	0.18	92	69	0.19	185	321
3	65800N –79400E	90	1.2	5.79	2	1013	0.7	5	0.98	3.0	39	45	16	157	7.02	1.47	12	16	1.20	3256	1	0.16	25	0.15	100	87	0.14	164	375
4	79450	85	0.8	5.99	2	670	0.6	5	1.39	0.7	41	32	9	208	7.35	1.22	12	14	1.38	1622	5	0.09	11	0.18	42	167	0.29	207	223
5	79500	120	1.2	6.27	2	729	0.6	5	0.89	0.6	38	27	12	208	7.42	1.37	13	14	1.40	1859	4	0.11	14	0.20	47	168	0.21	176	295
6	79550	85	1.0	6.84	2	912	0.7	5	0.77	1.6	40	35	8	193	7.56	1.62	14	15	1.52	2496	3	0.10	14	0.19	46	133	0.19	166	327
7	65800N –79600E	160	1.2	6.35	2	565	0.7	5	0.80	1.7	38	31	16	286	5.91	1.09	14	18	2.10	3420	1	0.06	21	0.15	25	77	0.13	167	203
8	65800N –79700E	430	3.0	5.57	2	922	0.9	5	0.75	1.2	36	38	13	310	6.94	1.53	12	16	1.87	3980	6	0.05	18	0.12	23	74	0.11	183	125
9	65800N – 79750E	360	1.0	4.89	2	548	0.6	5	1.30	0.9	41	32	30	224	6.31	0.86	12	16	2.18	2979	5	0.04	21	0.13	16	120	0.21	190	120
0	66000N – 78800E	35	0.2	5.41	3	245	0.5	5	1.92	0.7	40	20	26	145	4.94	0.53	10	14	1.39	821	1	0.09	24	0.12	2	177	0.24	161	93
1	78850	40	0.2	5.17	3	353	0.7	5	1.80	0.8	44	28	30	319	5.57	0.69	13	18	1.70	1068	1	0.11	29	0.10	7	144	0.24	171	114
2	66000N –78900E	20	0.2	5.17	2	210	0.5	5	1.69	0.3	40	25	27	149	4.71	0.44	11	15	1.37	1098	1	0.08	22	0.15	2	132	0.24	147	112
3	66000N –78950E	25	0.2	5.66	2	243	0.4	5	1.66	0.4	37	18	26	130	5.08	0.50	9	13	1.39	675	1	0.08	21	0.11	2	129	0.24	156	91
4	79000	20	0.4	5.53	2	253	0.4	5	1.76	0.5	42	13	30	93	4.41	0.55	11	13	1.21	553	1	0.09	19	0.21	2	143	0.28	158	92
5	79050	50	0.2	5.61	2	333	0.4	5	1.79	0.3	38	23	25	170	5.60	0.65	10	13	1.49	808	1	0.09	21	0.11	2	122	0.23	161	100
6	79100	30	0.8	5.38	2	295	0.4	5	1.09	0.4	33	13	26	176	5.21	0.61	10	13	1.37	561	1	0.08	19	0.17	4	84	0.24	141	216
7	66000N –79150E	50	0.2	5.48	2	344	0.4	5	1.54	0.8	37	21	27	127	5.39	0.67	10	14	1.48	1111	1	0.09	21	0.14	8	114	0.27	171	159
8	66000N –79200E	120	0.6	5.73	4	379	0.5	5	1.55	0.8	39	29	20	180	7.42	0.95	11	16	1.88	1852	4	0.07	20	0.15	49	99	0.29	179	379
9	79250	35	0.6	5.50	2	451	0.5	5	1.05	0.5	35	17	24	136	5.62	0.80	9	16	1.56	955	2	0.08	20	0.18	37	81	0.25	153	243
0	79300	110	1.0	6.25	7	993	0.5	5	1.06	0.3	33	21	14	116	7.75	1.53	10	16	1.68	1585	3	0.09	18	0.18	146	93	0.29	197	311
	79350	90	1.0	7.11	5	959	0.8	5	0.54	0.7	32	26	23	164	7.21	1.83	13	20	1.77	2300	4	0.10	26	0.19	56	61	0.22	192	307
2	66000N –79400E	100	1.2	6.34	2	989	0.6	5	0.43	1.3	28	33	13	149	7.43	1.70	12	16	1.48	2247	2	0.14	19	0.18	86	58	0.17	181	363
3	66000N –79450E	190	1.6	6.27	7	800	0.6	5	1.40	2.3	39	31	26	191	6.90	1.37	12	19	1.90	2362	1	0.12	24	0.14	95	111	0.23	191	455
4	79550 *□	10	0.8	1.80	4	340	0.2	5	0.78	1.7	28	14	8	64	2.11	0.44	6	4	0.37	2348	1	0.03	6	0.21	22	40	0.07	56	95
5	79600	55	0.6	5.99	2	499	0.6	5	1.14	0.7	38	20	19	176	5.43	0.82	10	14	1.76	1814	1	0.07	16	0.17	26	188	0.24	168	155
6	79650	100	1.0	6.22	6	575	0.6	5	1.14	0.7	38	27	21	197	6.08	1.04	11	18	2.04	2140	1	0.07	26	0.16	41	95	0.22	172	220
	66000N –79700E	140	1.0	5.94	8	563	0.6	5	1.49	1.0	44	31	27	227	6.10	1.02	12	16	1.85	2356	1	0.08	23	0.14	36	127	0.22	173	216

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T. lo.	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
3	66000N – 79800E	280	0.6	4.92	7	443	0.5	5	1.84	0.6	43	34	24	255	6.51	0.80	11	14	2.07	1329	1	0.08	23	0.13	15	127	0.25	176	149
9	66200N – 78800E	65	0.2	5.05	6	248	0.4	5	1.79	0.5	43	30	24	406	5.59	0.53	12	12	1.41	930	1	0.09	26	0.11	2	109	0.21	153	98
0	78850	20	0.6	4.96	3	193	0.4	5	1.54	0.5	42	18	28	549	4.93	0.46	13	14	1.33	606	1	0.09	22	0.16	22	99	0.22	143	93
1	78900	15	0.4	5.34	2	204	0.5	5	1.14	0.4	39	23	32	197	6.46	0.48	12	14	1.32	650	2	0.08	21	0.21	7	81	0.29	157	97
2	66200N –78950E	15	0.2	5.56	2	259	0.4	5	1.80	0.3	43	36	25	315	5.52	0.58	12	15	1.53	1391	1	0.09	24	0.13	2	113	0.24	164	103
3	66200N –79000E	30	0.4	5.17	2	259	0.5	5	1.73	0.3	42	24	20	245	5.54	0.59	11	14	1.41	825	1	0.09	20	0.08	2	113	0.23	155	86
4	79050	25	0.2	4.89	2	322	0.3	5	1.49	0.2	38	12	20	113	5.19	0.62	10	12	1.42	617	1	0.08	16	0.15	4	108	0.27	163	90
5	79100	55	0.4	5.56	2	297	0.5	5	1.41	0.4	39	44	21	254	7.81	0.72	11	12	1.22	2214	1	0.08	22	0.12	35	93	0.19	161	141
6	79150	50	0.2	5.00	2	252	0.4	5	1.95	0.4	44	21	32	134	6.42	0.57	11	13	1.47	901	1	0.09	19	0.13	16	131	0.27	180	101
7	66200N –79200E	190	0.8	4.38	2	227	0.3	5	1.63	0.4	42	11	18	56	5.14	0.41	11	10	0.99	621	87	0.05	10	0.13	32	115	0.25	147	78
8	66200N –79250E	50	0.4	4.92	2	170	0.4	5	0.97	0.2	35	12	20	92	5.41	0.34	10	9	0.96	639	2	0.05	11	0.18	4	65	0.26	117	94
1	79300	30	0.2	4.82	2	286	0.4	5	1.47	0.3	42	12	23	90	4.95	0.51	11	12	1.33	730	2	0.06	14	0.16	13	107	0.29	150	106
2	79350	15	0.2	4.80	9	784	0.3	5	1.41	0.4	38	9	7	32	4.77	0.71	9	12	1.89	1495	1	0.04	8	0.11	13	97	0.34	162	164
3	79400	290	0.4	4.74	3	303	0.7	5	1.48	0.3	56	19	28	148	5.52	0.61	16	13	1.29	847	1	0.09	19	0.13	21	110	0.24	141	127
4	66200N –79450E	25	0.4	4.78	2	282	0.3	5	1.67	0.4	44	13	22	70	5.03	0.44	12	10	1.14	676	1	0.06	13	0.14	12	131	0.32	176	89
5	66200N –79500E	90	0.4	4.73	2	255	0.3	5	1.55	0.3	43	14	26	71	5.19	0.41	11	10	1.21	893	2	0.06	13	0.16	16	105	0.29	151	116
6	79550	120	0.6	6.99	2	713	0.6	5	0.98	0.9	36	26	17	153	6.89	1.26	13	19	1.89	1956	6	0.11	20	0.18	93	86	0.25	190	466
7	79600	120	0.6	5.15	2	234	0.4	5	1.67	0.4	42	18	25	116	5.74	0.48	10	11	1.27	716	1	0.07	15	0.14	13	109	0.23	148	104
8	79650	50	0.4	5.39	3	373	0.5	5	1.37	0.7	45	26	18	218	5.72	0.75	12	15	1.52	1270	2	0.08	19	0.15	24	102	0.23	158	213
9	66200N –79700E	50	0.8	6.37	2	607	0.5	5	0.81	0.5	33	15	16	126	5.67	1.18	10	15	1.55	1301	3	0.09	15	0.18	42	81	0.23	174	195
0	66200N –79750E	100	0.6	4.59	2	311	0.4	5	1.58	0.6	45	23	42	176	5.56	0.67	11	14	1.40	1096	1	0.08	25	0.14	16	118	0.22	160	119
1	66200N – 79800E	45	0.2	4.44	2	209	0.4	5	0.96	0.3	35	8	21	89	6.34	0.35	10	8	0.91	543	2	0.04	9	0.21	61	70	0.25	126	99

T.	SAMPLE	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	9408-026
).	No.	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	Pg. 6 of 7
6																														
7	65200N–79700E •	510	2.4	6.75	2	520	0.5	5	3.62	0.9	41	31	3	153	6.00	1.74	9	27	2.39	1764	5	0.07	5	0.07	2	48	0.19	204	94	
8	79650	125	0.4	6.29	13	1232	0.8	5	1.14	1.3	89	53	26	217	6.28	1.60	36	22	2.02	4195	1	0.06	32	0.17	10	74	0.28	163	133	
9	79600	150	0.2	5.64	7	493	0.5	5	1.96	0.2	67	40	13	220	6.45	0.84	21	19	1.50	1542	3	0.07	14	0.10	7	269	0.24	155	108	
0	65200N–79550E	140	0.2	5.42	2	514	0.5	5	1.45	0.2	61	37	9	125	5.64	0.85	17	19	1.33	2201	5	0.06	12	0.12	8	149	0.21	127	105	
1	65200N–79500E	120	0.2	6.44	2	581	0.5	5	2.36	0.9	51	71	5	263	7.10	0.98	15	17	1.97	3111	4	0.06	10	0.11	3	214	0.30	187	172	
2	79450	900	1.4	6.38	2	573	0.5	5	2.09	0.7	53	53	7	536	7.29	0.82	16	15	1.82	2702	3	0.06	11	0.15	10	272	0.30	174	187	
3	79400	3700	5.4	6.48	2	546	0.5	5	1.22	1.3	52	84	15	384	9.90	0.99	18	19	2.13	3666	8	0.08	21	0.20	17	138	0.30	192	287	
4	79350	210	0.4	6.73	5	730	0.4	5	0.71	1.4	40	42	11	201	8.68	1.58	16	13	1.39	2090	4	0.12	16	0.21	58	122	0.22	184	394	
5	65200N–79300E	75	0.4	7.48	2	500	0.7	5	1.17	5.9	49	298	6	391	8.59	0.99	13	15	1.08	5648	7	0.12	26	0.29	9	761	0.25	109	442	
6	65200N–79250E	1430	0.4	5.34	12	490	0.3	5	0.13	0.2	16	68	4	242	11.05	1.64	9	5	0.54	760	102	0.15	10	0.17	24	64	0.08	155	230	
7	79200	120	0.2	7.74	17	556	0.3	5	0.17	0.2	21	6	6	104	9.77	2.39	13	9	1.06	297	6	0.28	6	0.23	5	81	0.17	200	97	
8	79150 •	75	0.2	7.15	4	662	0.3	5	0.51	0.3	33	14	4	142	7.34	1.91	12	11	1.17	706	3	0.19	4	0.17	15	189	0.15	172	174	
9	79100	100	0.2	7.21	5	590	0.3	5	0.25	0.2	28	10	5	136	9.38	1.85	13	12	1.27	489	7	0.30	5	0.26	15	102	0.14	193	132	
0	65200N–79050E •	15	0.2	1.25	5	237	0.2	5	1.97	5.5	42	11	6	59	1.92	0.36	7	4	0.34	790	3	0.05	4	0.17	6	65	0.03	38	171	
1	65200N–79000E	55	0.6	6.40	2	499	0.3	5	0.54	0.2	38	9	7	254	6.48	1.27	14	12	1.15	416	6	0.16	5	0.16	8	109	0.12	142	122	
2	78950	5	0.2	4.62	6	290	0.9	5	0.54	0.2	31	48	187	31	5.70	2.26	13	72	7.05	807	1	0.02	423	0.26	2	48	0.21	126	74	
3	78900	5	0.2	3.65	2	132	0.2	5	0.55	0.4	24	38	380	21	6.09	0.17	10	28	5.92	549	1	0.04	354	0.19	2	38	0.34	180	80	
4	78850	20	0.2	4.72	3	296	0.5	5	1.27	0.2	44	28	184	87	5.89	0.64	14	41	3.61	557	1	0.11	185	0.25	2	90	0.39	198	75	
5	65200N–78800E	35	0.4	5.00	3	375	1.0	5	1.59	0.4	52	23	27	221	6.31	0.70	16	26	1.55	912	1	0.08	38	0.20	16	207	0.19	199	96	
6	65400N–79700E	100	0.2	6.44	2	621	0.4	5	1.12	0.8	47	29	27	180	7.09	1.10	15	20	1.90	2210	4	0.14	22	0.17	25	121	0.20	177	177	
7	79650	170	0.4	7.12	2	656	0.4	5	1.30	0.9	52	38	10	204	8.05	1.34	17	21	2.03	2027	3	0.09	14	0.20	44	131	0.30	210	234	
8	79550	90	0.4	6.74	7	540	0.4	5	1.36	0.8	55	28	14	190	8.65	0.95	17	14	1.77	1777	4	0.07	14	0.27	90	149	0.34	202	297	
1	79500	35	0.2	7.61	2	413	0.5	5	0.71	11.7	41	134	35	202	8.69	0.54	16	16	2.48	5048	8	0.04	77	0.26	24	91	0.32	185	1186	
2	65400N–79450E	40	0.2	6.05	7	776	0.2	5	0.58	0.2	34	3	11	98	11.10	1.70	15	10	1.18	674	1	0.10	3	0.20	43	108	0.34	259	193	
3	65400N–79400E	45	0.2	6.71	4	649	0.5	5	0.81	2.9	49	103	9	298	9.36	0.97	18	14	1.36	3172	4	0.06	21	0.39	41	138	0.33	169	631	
4	79350	100	0.6	5.68	10	808	0.4	5	1.03	3.0	51	37	6	247	9.65	1.39	18	12	1.20	1597	4	0.14	10	0.26	92	178	0.30	188	547	
5	79300	270	4.4	6.45	5	685	1.0	5	0.65	13.2	44	105	48	422	8.80	1.22	17	23	1.91	3870	9	0.08	54	0.24	51	104	0.18	172	1701	
6	79250	210	1.4	6.43	7	806	0.6	5	0.83	6.4	46	53	14	414	9.19	1.42	16	17	1.45	2449	7	0.15	20	0.25	34	191	0.21	156	843	
7	65400N–79200E	200	1.0	5.88	12	863	0.5	5	0.97	8.1	51	62	16	372	9.13	1.26	18	17	1.66	2720	5	0.12	22	0.21	56	157	0.22	166	976	
8	65400N–79150E	200	0.6	6.59	3	783	0.4	5	1.00	2.0	50	40	6	468	8.83	1.24	18	17	1.48	1815	6	0.13	11	0.24	14	219	0.23	168	411	
9	79100	180	0.6	6.79	5	800	0.4	5	1.04	1.8	53	37	6	471	9.07	1.29	18	17	1.51	1769	6	0.13	10	0.23	14	216	0.24	178	409	
0	79050	55	0.2	6.07	3	540	0.3	5	1.09	0.2	45	14	18	126	7.42	1.07	14	14	1.67	736	3	0.15	12	0.17	6	131	0.24	174	113	
1	79000 **	15	1.2	3.48	2	361	0.2	5	0.28	0.3	18	5	7	72	2.92	0.80	6	6	0.53	260	2	0.08	3	0.19	2	62	0.09	84	86	
2	65400N–78950E	30	0.2	5.86	2	469	0.3	5	0.94	0.2	36	7	24	76	5.70	1.13	11	11	1.10	554	2	0.12	8	0.20	6	95	0.23	163	76	
3	65400N–78900E	25	0.2	4.25	2	215	0.2	5	0.75	0.2	34	6	24	142	5.80	0.45	10	8	0.63	359	4	0.07	6	0.24	2	70	0.23	115	66	
4	65400N–78850E	65	0.2	4.55	2	174	0.3	5	1.90	0.3	50	12	21	1217	4.04	0.40	13	13	1.02	507	1	0.07	14	0.13	2	132	0.25	137	72	
5	65600N–79750E	80	0.2	6.70	7	730	0.4	5	0.89	0.9	44	29	17	190	6.94	1.31	15	19	1.71	1832	2	0.13	14	0.17	43	88	0.22	183	268	
6	79700	45	0.2	5.65	2	559	0.5	5	0.86	0.8	44	22	13	154	6.04	0.99	13	16	1.50	2358	1	0.08	13	0.34	19	91	0.22	164	169	
7	65600N–79650E	30	0.2	5.21	5	500	0.3	5	0.78	0.4	41	26	15	149	6.14	0.81	13	16	1.84	1906	2	0.09	14	0.20	17	77	0.23	180	175	
8	65600N–79600E	80	0.4	6.67	12	825	0.4	5	0.75	0.4	47	34	10	168	8.54	1.50	16	16	1.48	1489	4	0.13	11	0.24	67	98	0.25	185	290	
9	79550	130	0.4	6.32	12	780	0.4	5	0.62	0.5	46	18	9	179	8.33	1.55	17	14	1.33	1044	4	0.11	10	0.24	40	98	0.24	169	313	
0	79500	50	0.4	6.76	9	775	0.5	5	0.50	1.4	44	35	8	223	8.19	1.49	16	16	1.33	2081	4	0.14	12	0.22	47	75	0.18	152	342	
1	79450	350	3.4	5.29	7	589	0.7	5	0.49	12.9	37	82	102	295	8.79	1.12	16	18	2.27	5101	3	0.06	92	0.14	138	47	0.09	168	938	
2	65600N–79400E •	85	0.4	5.53	3	1179	0.3	5	0.43	0.3	32	16	11	133	8.15	1.46	14	12	1.46	1018	4	0.08	8	0.17	16	66	0.29	190	377	

P.	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
3	65600N-79350E	90	0.6	8.12	2	1149	0.2	5	0.39	0.2	38	3	6	82	7.05	3.03	18	6	0.82	375	1	0.17	1	0.19	22	88	0.48	202	133
4	79300	130	0.6	6.98	2	1020	0.3	5	0.28	0.2	34	5	4	88	8.00	2.43	16	8	1.05	453	1	0.15	1	0.21	16	74	0.28	162	165
5	79250	300	1.0	7.68	2	1044	0.4	5	0.34	1.0	40	29	6	174	8.81	2.14	18	14	1.58	1561	1	0.11	9	0.25	21	74	0.26	189	301
6	79200	200	1.4	7.25	2	1060	0.4	5	0.24	2.1	40	43	6	220	8.38	2.11	17	15	1.36	1699	1	0.18	14	0.22	16	63	0.14	157	410
7	65600N-79150E	130	0.4	7.57	2	966	0.4	5	0.27	0.9	40	25	6	220	9.51	2.24	19	16	1.38	1007	1	0.21	9	0.24	15	75	0.12	166	344
8	65600N-79100E	160	0.2	7.89	2	1026	0.4	5	0.20	0.2	41	21	6	189	9.93	2.42	20	13	1.32	854	2	0.18	7	0.25	16	68	0.14	170	316
9	79050 •	50	0.4	6.80	2	862	0.5	5	0.09	0.2	25	6	3	83	7.26	1.86	12	19	0.84	289	3	0.34	2	0.18	8	69	0.07	121	79
0	79000	120	0.2	7.61	2	452	0.3	5	0.17	0.2	27	16	6	212	11.85	1.02	14	15	1.46	575	20	0.43	3	0.29	10	82	0.07	151	82
1	78950	150	0.2	6.55	2	340	0.3	5	1.14	0.2	43	11	11	128	8.28	1.06	14	11	1.23	607	7	0.21	6	0.19	2	110	0.37	186	72
2	65600N-78900E •	70	0.2	6.71	2	448	0.3	5	0.53	0.2	32	51	7	224	8.37	0.99	12	15	1.26	2189	10	0.35	8	0.19	2	104	0.15	149	89

NORANDA DELTA LABORATORY

Geochemical Analysis

Project Name & No.: CROYDON – 45583 Geol.: G.G. Date received: JULY 07 LAB CODE: 9407–010

Material: 50 Rx Sheet: 1 of 2 Date completed: JULY 13

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

¤ Organic, Δ Humus, S Sulfide

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 $HClO_4/HNO_3$ (4:1) at 203 °C for 4 hours diluted to 10 ml with water. Leeman PS3000 ICP determined elemental contents.

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

T.T. No.	SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sr ppm	Ti %	V ppm	Zn ppm
131	18	5	0.2	5.97	13	640	0.4	5	3.01	0.7	71	11	15	44	6.02	0.94	17	27	2.35	2107	1	0.09	10	0.10	15	205	0.39	206	246
132	GG – 20	5	0.2	5.65	6	471	0.4	5	4.54	0.8	71	28	11	42	6.71	0.76	15	20	2.64	1159	1	0.09	11	0.08	2	169	0.41	249	76
133	GG – 27	5	0.2	5.10	15	470	0.3	5	1.97	0.5	61	5	16	42	6.02	0.75	17	16	2.65	1449	2	0.10	9	0.07	16	158	0.36	194	256
135	50	5	0.2	5.20	15	844	0.3	5	1.76	1.1	57	4	11	59	6.43	0.86	14	14	2.29	1955	1	0.10	5	0.09	229	153	0.46	221	355
136	51	5	0.2	5.61	17	839	0.3	5	2.45	0.3	69	13	13	41	6.15	0.78	17	19	2.89	2178	1	0.09	11	0.10	43	134	0.37	190	332
143	PM–31	5	0.2	4.73	15	289	0.2	5	2.58	0.6	70	7	17	62	5.88	0.26	16	12	2.08	1646	2	0.08	7	0.06	24	246	0.39	229	146
144	32	5	0.2	4.39	14	950	0.3	5	1.33	0.8	52	6	23	66	5.52	1.11	13	10	1.24	1192	1	0.08	4	0.05	110	112	0.32	187	184
148	PM– 36	5	0.2	5.79	13	664	0.3	10	2.76	0.9	71	11	15	44	6.16	1.10	18	17	2.19	1327	13	0.10	10	0.08	7	174	0.41	229	147
151	37	5	0.2	6.90	3	941	0.3	5	2.85	1.1	70	19	10	82	5.95	1.63	15	17	2.25	1433	1	0.09	9	0.11	11	100	0.33	213	185
158	44	5	0.2	5.62	19	441	0.2	5	0.05	0.2	15	9	4	19	6.01	2.38	9	8	2.15	424	13	0.08	1	0.08	3	5	0.05	249	132
159	PM– 45	5	0.2	6.31	2	592	0.2	5	1.22	0.2	54	4	7	99	5.19	1.43	12	17	1.65	444	1	0.17	1	0.09	6	298	0.12	147	84
160	PM– 47	5	0.2	4.70	16	239	0.2	7	0.28	0.5	41	20	11	54	5.39	1.40	17	9	1.97	242	1	0.14	5	0.06	5	30	0.11	162	46
161	48	5	0.2	4.44	7	183	0.2	5	1.26	0.3	50	4	17	47	4.33	0.60	15	10	1.74	360	1	0.19	3	0.07	2	124	0.23	133	56
162	49	90	0.2	6.13	2	576	0.2	5	0.30	0.2	23	2	10	176	4.55	2.07	11	11	1.23	444	3	0.12	3	0.07	4	66	0.22	149	95
163	50	5	0.2	5.51	5	302	0.3	6	2.71	0.8	69	8	12	77	5.50	0.53	15	18	1.98	906	1	0.09	4	0.10	2	222	0.20	173	130
164	PM– 51	5	0.2	4.00	9	162	0.2	7	2.08	0.7	64	11	14	54	5.37	0.27	15	14	2.02	1170	4	0.11	7	0.06	3	176	0.37	198	252

14/07 clear off

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	0407-010 Pg. 2 of 2
165	PM-52	5	0.2	4.56	4	464	0.2	5	0.48	0.2	36	3	12	46	5.22	0.76	12	12	2.55	243	1	0.27	3	0.08	2	77	0.29	198	43	
166	PM-53	5	0.2	4.41	9	317	0.2	8	0.27	0.2	21	9	7	30	2.98	1.40	9	11	2.76	167	1	0.16	6	0.05	2	32	0.24	132	62	
[redacted]																														
169	LE-66	5	0.2	4.38	5	255	0.2	6	1.80	0.2	60	14	20	35	4.68	0.59	14	21	1.88	464	1	0.10	4	0.05	6	167	0.15	120	51	
170	LE-69	5	0.2	9.71	10	1041	0.3	13	1.66	1.3	85	6	21	100	9.97	2.64	27	30	3.39	733	7	0.34	3	0.14	8	270	0.24	300	259	
[redacted]																														
172	72	5	0.2	4.52	2	439	0.3	5	0.02	0.2	17	2	8	28	3.63	1.41	11	6	0.97	87	2	0.28	1	0.03	2	43	0.07	133	37	
173	LE-74	5	0.2	6.27	13	270	0.3	8	2.94	0.2	75	16	19	70	4.75	1.05	16	10	1.73	1023	4	0.17	7	0.09	2	134	0.24	139	97	
[redacted]																														
175	KP-46	5	0.2	2.87	12	214	0.2	6	0.09	0.2	28	10	34	36	4.51	0.58	14	13	2.06	800	2	0.11	8	0.06	7	28	0.21	112	149	
[redacted]																														

NORANDA DELTA LABORATORY
Geochemical Analysis

Project Name & No.: CROYDON – 45583 Geol.: G.G. Date received: JULY 14 LAB CODE: 9407-013-G
Material: 44 Rx Sheet: 1 of 2 Date completed: JULY 26
Remarks: • Sample screened @ –35 MESH (0.5 mm)
¤ Organic, Δ Humus, S Sulfide

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 $HClO_4/HNO_3$ (4:1) at 203 °C for 4 hours diluted to 10 ml with water. Leeman PS3000 ICP determined elemental contents.
N.B. The major oxide elements and Ba, Be, Ce, La, Li, Ga are rarely dissolved completely from geological materials with this acid dissolution method.

T.T. No.	SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sr ppm	Ti %	V ppm	Zn ppm
266	LE–85	5	0.2	6.48	15	1553	0.2	5	1.59	0.4	53	19	15	53	7.86	1.67	18	19	2.66	1919	1	0.12	10	0.08	26	79	0.47	285	362
267	LE–87	5	0.2	6.44	12	451	0.3	5	4.55	0.8	72	16	15	57	6.90	0.72	18	20	2.12	2435	2	0.10	8	0.08	66	238	0.46	221	255

r2/08 GB GG

NORANDA DELTA LABORATORY
Geochemical Analysis

Project Name & No.: CROYDON – 45583 **Geol.:** G.G. **Date received:** AUG. 05 **LAB CODE:** 9408–020
Material: 20 Soils & 24 Rx **Sheet:** 1 of 2 **Date completed:** AUG. 22
Remarks: * Sample screened @ –35 MESH (0.5 mm)
¤ Organic, ▲ Humus, S Sulfide

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 $HClO_4/HNO_3$ (4:1) at 203 °C for 4 hours diluted to 10 ml with water. Leeman PS3000 ICP determined elemental contents.
N.B. The major oxide elements and Ba, Be, Ce, La, Li, Ga are rarely dissolved completely from geological materials with this acid dissolution method.

T.	SAMPLE	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
o.	No.	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm
[redacted]																													
73	168	5	0.2	3.42	2	58	0.2	5	0.26	0.2	34	1	57	10	13.86	0.24	8	8	0.04	87	3	0.53	1	0.11	2	65	0.22	222	18
74	169	10	1.6	3.94	20	706	0.2	5	2.44	6.4	60	15	30	20	4.21	1.05	9	18	1.96	2027	5	0.04	8	0.05	336	28	0.18	105	1168
75	PM – 170	20	5.6	2.50	28	566	0.2	10	10.00	121.6	105	14	29	145	3.70	0.67	11	11	0.75	1650	16	0.07	7	0.05	7764	49	0.13	96	9993
76	PM – 171	5	0.2	4.58	8	490	0.2	5	2.78	0.5	63	21	24	27	5.82	1.08	11	13	1.81	1265	2	0.10	13	0.07	17	54	0.29	152	93
77	172	10	2.8	3.24	7	540	0.2	5	2.68	80.2	61	10	30	57	1.97	1.41	8	6	0.30	661	33	0.06	7	0.03	3953	20	0.04	78	13000
78	173	170	0.2	5.12	2	533	0.4	5	3.94	0.8	67	31	14	51	6.07	1.97	11	11	1.47	991	8	0.07	8	0.09	16	69	0.07	202	105
79	176	330	2.0	0.60	16	2624	0.2	5	6.59	1.4	80	31	267	[redacted]	2.59	0.17	9	[redacted]	1.94	3308	9	0.04	134	0.03	2	83	0.01	45	49
[redacted]																													

23/08 GG GG

IMPORTED OCT 20/94

NORANDA DELTA LABORATORY

Geochemical Analysis

Project Name & No.: CROYDON – 45583 **Geol.:** G.G. **Date received:** SEP. 09 **LAB CODE:** 9409–013

Material: 5 Rx **Sheet:** 1 of 1 **Date completed:** SEP. 27

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

¤ Organic, A Humus, S Sulfide

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 $HClO_4/HNO_3$ (4:1) at 203 °C for 4 hours diluted to 10 ml with water. Leeman PS3000 ICP determined elemental contents.

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

T.T. No.	SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sr ppm	Ti %	V ppm	Zn ppm
42	RL0304 ¤	20	0.2	8.50	9	1399	0.5	5	3.54	1.0	48	27	16	76	5.97	3.17	14	23	2.98	2681	1	0.18	17	0.08	41	78	0.36	209	302
43	RL0305	70	2.4	6.79	2	387	1.7	5	5.01	2.8	52	25	18	19	5.08	2.95	11	7	1.66	1122	1	0.17	15	0.08	6	153	0.06	179	240
44	RL0308	40	0.2	4.90	8	1770	0.4	5	0.38	0.2	21	8	19	20	5.44	2.18	10	14	1.51	886	1	0.07	4	0.08	23	32	0.30	179	133
45	RL0309	10	0.2	4.65	16	685	0.3	5	2.05	0.5	50	9	17	60	5.00	0.96	15	15	2.13	1525	1	0.09	5	0.08	4	162	0.26	136	153
46	RL0312 ¤	20	0.2	5.88	7	342	0.5	5	3.02	0.7	53	14	14	31	6.27	1.11	16	21	1.95	2225	1	0.07	7	0.12	18	179	0.29	215	297

29/09 GG GK

TRANSMITTED

NUMBER	LOCATIONX	LOCATIONY	EXPOSURE	UNIT	COLOR	TEXTURE	HORNFELS	PROPYLITC	ARGILLIC	SERICITIC	POTASSIC	SILICA	CARBONATE	CHLORITE	EPIDOTE	PYRITE	PYRRHO	CPY	MAGN	LITHO	SAMPLETYP	COMMENTS
PM0031	678220	6265122	OUTCROP	ANDESITE	LTGREEN	fg	none	none	none	none	none	mod	none	none	none	tr	none	none	none	XTLTF	GRAB	heavy fi stain, particularly on ff.
PM0032	678243	6265089	OUTCROP	ANDESITE	LTGREEN	fg	none	none	none	mod	none	weak	none	weak	none	2	none	none	none	XTLTF	GRAB	heavy li stain on ff, py diss through and as strings, rusty vugs, cut by 3mm qzv
PM0036	678264	6265048	SUBOTC	ANDESITE	MDGREEN	mg	none	none	none	weak	none	weak	none	none	weak	5	none	none	none	TUFF	GRAB	alt makes ident difficult, epi concen around feld xtls.
PM0037	678308	6264979	SUBOTC	ANDESITE	LTGREEN	fg	none	none	none	weak	none	mod	none	none	weak	15	none	none	none	TUFF	GRAB	same as pm0036. Entire cobble taken as sample.
PM0044	678067	6264959	OUTCROP	ANDESITE	LTGREEN	fg	none	mod	mod	mod	none	none	none	weak	weak	4	none	none	none	TUFF	GRAB	highly alt tuff in contact with dyke? Samp. taken at old unreadable flag.
PM0045	678083	6265018	OUTCROP	ANDESITE	LTGREEN	fg	none	mod	mod	weak	none	none	none	weak	mod	5	none	none	none	TUFF	GRAB	alt. varies in int. locally. Strong argillic alt in some layers. Extremly rusty
PM0047	678063	6264965	OUTCROP	ANDESITE	WHITE	foliated	none	weak	strong	strong	none	none	none	none	weak	5	none	none	none	TUFF	GRAB	extreme alt makes ident diff, py as diss specks throughout.
PM0048	678059	6264930	OUTCROP	ANDESITE	LTGREEN	fg	none	weak	weak	mod	none	mod	none	none	weak	2	none	none	none	XTLTF	GRAB	weaker alt in this locality makes ident. as a tuff positive.
PM0049	678097	6265087	OUTCROP	ANDESITE	LTGREEN	fg	none	mod	weak	none	none	none	none	weak	mod	tr	none	none	none	TUFF	GRAB	highly rusty esp. along ff.
PM0050	678063	6265078	OUTCROP	ANDESITE	MDGREEN	mg	none	weak	weak	none	none	none	none	weak	weak	2	none	none	none	TUFF	GRAB	as above, py as specks and rusted pits diss throughout.
PM0051	678006	6265265	OUTCROP	ANDESITE	LTGREEN	fg	none	weak	none	none	none	mod	none	none	weak	5	none	none	none	TUFF	GRAB	rusted along ff. Py diss throughout.
PM0052	677846	6265080	OUTCROP	ANDESITE	WHITE	foliated	none	weak	strong	mod	none	mod	none	none	weak	5	none	none	none	TUFF	GRAB	highly altered, difficult to ident. py diss throughout
PM0053	677866	6265098	OUTCROP	ANDESITE	WHITE	foliated	none	none	strong	mod	none	mod	none	none	none	8	none	none	none	TUFF	GRAB	as above, sample taken beside old flag 42E, 1350N
PM0168	677997	6265686	TALUS	SKARN	BLK	vfg	none	none	none	none	none	mod	weak	none	weak	2	none	none	strong		GRAB	rock heavy, carb appears leached
PM0169	677944	6265655	TALUS	ANDESITE	LTGREEN	fg	none	weak	none	weak	none	mod	mod	weak	weak	4	none	none	none		GRAB	rusty on surf., py diss, random carb vns throughout
PM0170	677985	6265648	TALUS	ANDESITE	LTGREEN	fg	none	none	none	none	none	mod	strong	none	none	3	none	none	none	TUFF	GRAB	highly iron carb altered, unident metallic mineral 6-7%, unaltered material tuff
PM0171	678080	6265620	TALUS	ANDESITE	LTGREEN	vfg	none	mod	none	none	none	weak	strong	weak	weak	5	none	none	none	TUFF	GRAB	py, chl, epi, carb perv, rusty on ws
PM0172	678087	6265605	TALUS	ANDESITE	LTGREEN	vfg	none	weak	mod	mod	none	none	strong	weak	weak	3	none	none	none	TUFF	GRAB	perv iron carb altered
PM0173	678113	6265613	TALUS	ANDESITE	LTGREEN	fg	none	weak	none	none	none	weak	mod	weak	weak	4	none	none	none	XTLTF	GRAB	part of bull white qtz bldr, possible fit bx? breccia clasts up to 1.5cm wide
PM0176	678373	6265620	TALUS	ANDESITE	MDGREEN	fg	none	none	weak	none	none	strong	strong	mod	none	5	none	1	none		GRAB	extreme iron carb alt, mal stain on fracs, sulphides diss throughout
KP0046	678306		OUTCROP	ANDESITE	LTGREEN	vfg	none	weak	none	none	none	strong	none	weak	none	2	none	none	none	XTLTF	GRAB	heav. sil,f diss py, heav surf limonite, most tex destroyed.
GG0018	678063	6265328	OUTCROP	ANDESITE	LTGREEN	fg	weak	weak	none	none	none	weak	weak	weak	mod	4	none	none	none	XTLTF	GRAB	fg,perv epid. well frac,rusty. inc in silica = inc in py.
GG0020	678294	6265399	OUTCROP	ANDESITE	GREEN-GRY	mg	weak	none	none	none	none	none	none	none	weak	1	none	none	mod	LAPTF	GRAB	frags to 10cms. vfg, diss mgnt.
GG0027	678162	6265187	OUTCROP	ANDESITE	LTGREEN	fg	mod	none	weak	none	none	mod	none	none	none	5	none	none	none	ASHTF	GRAB	v. limonitic fracs. fg,diss and ff py. qz stringers.
GG0050	678250	6265088	SUBOTC	ANDESITE	LTGREY	fg	weak	none	mod	none	none	none	none	none	weak	4	none	none	none	TUFF	GRAB	alt (clay), and tuff li rem py boxworks ev of qz
GG0051	678259	6265067	OUTCROP	ANDESITE	LTGREY	mg	weak	none	mod	none	none	none	none	none	mod	4	none	none	none		GRAB	rusty deep red py,epi on ff and in feld phenos w bkn feld
LE0066	678060	6264978	OUTCROP	ANDESITE	GREEN-GRY	fg	none	none	none	weak	none	none	none	none	weak	7	none	none	none	XTLTF	GRAB	vfgd Py
LE0069	678108	6265001	OUTCROP	ANDESITE	LTGREY	fg	none	none	weak	weak	none	none	none	weak	weak	10	none	none	none	XTLTF	GRAB	fgd Py, local chl replac mafics,seric ff,ep f/dis
LE0072	678036	6264981	OUTCROP	ANDESITE	WHITE	fg	none	none	mod	weak	none	none	none	none	none	tr	none	none	none	XTLTF	GRAB	Py leached out, may have been up to 20% Py
LE0074	678034	6264947	OUTCROP	ANDESITE	LTGREY	fg	none	none	none	none	none	mod	none	none	weak	7	none	none	none	XTLTF	GRAB	fgd Py
LE0085	677872	6265346	OUTCROP	ANDESITE	GREEN-GRY	fg	none	none	none	none	none	none	none	none	weak	10	none	none	none	XTLTF	GRAB	locally Fs to clay, silvery Py, fgdPy
LE0087	677888	6265357	OUTCROP	ANDESITE	GREEN-GRY	fg	none	none	none	weak	none	none	none	none	weak	15	none	none	none	XTLTF	GRAB	perv ep, vfgdPy, Py appears to be secondary
RL0304	677956	6265689	TALUS	ANDESITE	DKGREEN	vfg	none	weak	none	none	none	mod	mod	weak	none	2	none	none	none	ASHTF	FLOAT	py perv and in ffs,rock found sporadically in talus
RL0305	677938	6265689	TALUS	ANDESITE	MDGREY	fg	none	none	none	mod	none	none	strong	none	none	3	none	none	none		FLOAT	strong anker altn py perv carb perv
RL0308	677688	6265486	OUTCROP	ANDESITE	LTGREEN	mg	none	mod	none	mod	none	none	none	weak	weak	1	none	none	none	ASHTF	GRAB	py perv and conc in ffs,RWS,
RL0309	677822	6265468	OUTCROP	ANDESITE	MDGREEN	vfg	none	mod	none	none	none	weak	mod	weak	strong	2	none	none	none		GRAB	py perv,strong epi alt in patches and in vnlts,RWS,
RL0312	677798	6265394	OUTCROP	ANDESITE	GREEN-GRY	mg	none	mod	none	mod	none	none	weak	mod	strong	1	none	none	none	TUFF	GRAB	interbedded with 311

APPENDIX III

DRILL CORE GEOCHEMICAL RESULTS

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Klique 20

Noranda Exploration Co. Ltd. (Lab) PROJECT 9408-025 548 File # 94-2540 Page 1

Delta Laboratory, 1 - 755, Delta BC V4G 1A6

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** oz/t
70101	1	157	19	218	.9	48	13	922	3.46	2	<5	<2	<2	26	<.2	<2	3	56	.83	.052	<2	78	2.52	24	.09	<2	2.95	.03	.03	3	<.001
70102	3	1068	32	173	1.7	8	15	581	4.51	6	<5	<2	<2	14	.2	2	7	49	1.76	.064	3	5	1.09	169	.01	<2	1.30	.03	.15	2	.001
70103	4	1309	10	83	1.2	8	13	531	4.80	5	<5	<2	<2	16	<.2	2	2	44	1.72	.063	2	4	1.00	147	.01	<2	1.16	.03	.17	2	.003
70104	2	549	12	108	.8	14	11	958	4.61	7	<5	<2	<2	18	<.2	<2	<2	37	1.97	.067	2	11	1.60	65	.01	<2	1.86	.02	.19	5	.001
70105	1	529	24	123	.7	9	13	921	4.19	8	<5	<2	<2	25	<.2	<2	<2	49	.85	.076	<2	5	1.83	55	.10	2	2.28	.03	.12	2	.001
70106	2	2490	32	879	1.4	50	16	1032	4.84	5	<5	<2	2	15	.2	<2	<2	39	1.29	.069	2	17	1.63	43	.03	<2	2.12	.02	.16	2526	.003
70107	4	1427	15	98	1.9	41	15	841	4.15	4	<5	<2	<2	25	.5	<2	<2	43	2.34	.052	2	48	1.99	34	.02	<2	2.22	.03	.14	5	.003
70108	1	562	8	92	.8	36	11	689	3.38	4	<5	<2	<2	25	<.2	<2	5	41	.84	.052	<2	45	1.89	28	.10	<2	2.21	.03	.12	4	.001
70109	2	3442	7	93	2.9	37	17	800	3.79	5	<5	<2	<2	23	<.2	<2	<2	30	1.54	.047	<2	30	1.70	33	.05	2	1.89	.02	.15	47	.013
70110	2	464	8	69	.5	7	9	659	3.05	3	<5	<2	<2	32	<.2	<2	4	22	2.02	.085	2	9	1.26	101	.04	<2	1.65	.03	.20	3	.004
RE 70110	2	477	8	70	.7	7	9	656	3.07	3	<5	<2	<2	33	<.2	<2	<2	23	2.02	.086	2	9	1.26	104	.04	2	1.67	.03	.20	2	.003
70111	1	1391	9	117	1.0	11	13	501	3.93	2	<5	<2	<2	20	<.2	<2	<2	59	.80	.071	<2	9	1.61	37	.07	<2	2.05	.03	.11	2	.004
70112	4	2575	6	72	1.7	9	11	513	3.64	7	<5	<2	<2	17	<.2	<2	5	41	.76	.071	<2	3	.99	71	.08	<2	1.53	.03	.20	5	.006
70113	2	3661	8	75	2.7	10	17	537	3.65	5	<5	<2	<2	19	.3	2	5	33	1.73	.073	<2	5	1.08	71	.02	<2	1.43	.03	.18	2	.009
70114	6	937	8	72	.7	32	14	323	4.91	3	<5	<2	<2	15	<.2	2	<2	60	.51	.053	<2	45	1.50	53	.07	2	1.77	.04	.11	2	.001
70115	1	748	10	89	.7	34	13	350	4.55	4	<5	<2	<2	24	<.2	2	3	65	.48	.049	<2	46	1.68	44	.10	<2	1.95	.04	.12	3	.002
70116	5	1362	6	89	.9	29	19	559	4.10	3	<5	<2	<2	25	<.2	<2	6	50	.56	.062	<2	40	1.86	38	.09	<2	2.18	.04	.14	5	.002
70117	2	879	7	97	.7	32	12	707	2.96	3	<5	<2	<2	23	<.2	<2	3	35	.67	.059	<2	38	1.86	52	.10	<2	2.09	.04	.20	2	.003
70118	2	1774	2	82	1.2	35	13	467	4.15	2	<5	<2	<2	18	<.2	<2	<2	48	.42	.051	<2	43	1.76	46	.09	<2	1.97	.03	.14	1	.003
70119	2	532	3	74	.5	31	11	362	4.87	<2	<5	<2	<2	19	<.2	<2	4	61	.43	.053	<2	47	1.49	49	.09	<2	1.75	.04	.12	1	.001
70120	4	722	3	68	.9	27	13	433	5.41	4	<5	<2	<2	16	<.2	<2	<2	59	.84	.053	<2	34	1.21	46	.04	<2	1.50	.03	.10	2	.002
RE 70120	4	732	9	68	.9	28	14	443	5.47	2	<5	<2	<2	16	<.2	<2	<2	59	.86	.055	<2	35	1.24	46	.05	<2	1.53	.03	.10	2	.002
70121	1	533	2	83	.8	85	23	923	5.51	<2	<5	<2	<2	52	<.2	<2	<2	84	4.20	.087	5	113	3.68	55	.01	<2	2.90	.02	.13	1	.005
70122	2	185	6	92	1.5	107	27	980	5.37	2	<5	<2	<2	62	<.2	<2	<2	117	4.52	.101	6	155	5.36	54	.01	<2	3.87	.02	.08	1	.002
70123	1	311	4	96	2.0	550	61	1553	6.31	2	<5	<2	<2	116	.2	<2	<2	130	8.16	.065	2	456	10.47	49	.01	<2	4.35	.01	.01	10	.003
70124	2	463	6	108	.5	110	24	1220	4.75	2	<5	<2	<2	62	<.2	<2	<2	75	3.37	.106	7	106	5.02	56	.02	<2	3.81	.02	.08	<1	.002
70125	1	4615	4	106	3.9	12	17	710	4.14	2	<5	<2	<2	64	.5	<2	4	43	2.50	.066	<2	8	1.97	43	.09	<2	2.00	.03	.11	2	.006
70126	2	1666	5	101	1.6	18	15	656	3.88	3	<5	<2	<2	71	.2	<2	3	39	2.64	.062	<2	16	1.98	38	.07	<2	1.98	.02	.10	1	.006
70127	2	1269	5	113	1.4	11	15	761	3.99	2	<5	<2	<2	69	.3	<2	<2	44	2.62	.058	<2	8	1.86	41	.11	<2	1.98	.02	.13	1	.005
70128	5	1030	4	60	1.0	9	17	295	3.80	2	<5	<2	<2	176	.3	<2	<2	46	5.51	.056	<2	5	1.67	28	.07	<2	1.41	.02	.08	1	.002
70129	3	1273	4	67	1.6	7	18	343	5.04	<2	<5	<2	<2	144	.3	<2	<2	39	3.87	.070	<2	4	1.63	48	.04	<2	1.56	.02	.10	1	.004
70130	3	1290	4	73	1.1	7	19	414	4.03	3	<5	<2	<2	196	.4	<2	4	38	5.38	.048	<2	5	.85	49	.04	<2	.86	.02	.08	2	.003
RE 70130	3	1353	3	77	1.1	6	21	439	4.29	5	<5	<2	<2	203	.6	<2	<2	40	5.60	.051	<2	5	.90	50	.04	<2	.90	.02	.10	1	.003
70131	3	1429	4	79	1.2	9	25	372	5.49	5	<5	<2	<2	139	.5	3	<2	40	4.34	.056	<2	3	.72	48	.08	<2	.85	.02	.09	1	.003
70132	2	2201	3	97	2.4	6	12	492	4.29	4	<5	<2	<2	144	.6	<2	<2	23	5.09	.053	<2	3	.72	39	.06	<2	.84	.01	.14	1	.007
70133	10	1501	2	88	2.0	16	36	606	4.62	4	<5	<2	<2	107	.5	<2	<2	30	4.10	.064	<2	10	1.38	34	.08	<2	1.43	.01	.14	<1	.005
70134	13	1400	3	41	1.5	6	22	326	3.23	6	<5	<2	<2	179	.5	<2	<2	14	5.66	.045	<2	2	.77	38	.02	<2	.82	.01	.14	1	.005
STANDARD C/AU-1	20	58	38	124	7.0	73	33	1056	3.96	41	16	7	36	51	18.2	15	18	61	.49	.092	41	58	.93	182	.08	33	1.88	.06	.15	10	.096

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.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: CORE AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE. Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: AUG 11 1994 DATE REPORT MAILED: Aug 18/94 SIGNED BY..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** oz/t
70135	80	798	8	59	.6	7	15	389	4.30	9	<5	<2	2	147	.2	<2	2	40	4.01	.043	2	5	1.11	34	.02	2	1.30	.02	.11	<1	.006
70136	4	328	6	65	.3	9	9	447	3.22	<2	5	<2	<2	66	.2	2	<2	45	2.40	.051	<2	12	1.59	27	.05	2	1.72	.03	.08	<1	.001
70137	5	863	4	50	.6	8	10	344	3.52	<2	6	<2	<2	87	.2	<2	2	47	3.10	.034	<2	6	1.61	36	.05	<2	1.61	.02	.09	<1	.003
70138	3	427	7	58	.4	8	10	329	3.55	<2	5	2	<2	82	.2	<2	2	50	3.12	.049	<2	6	2.22	26	.08	<2	1.96	.03	.09	1	.002
RE 70138	3	420	4	56	.3	8	10	323	3.48	<2	7	<2	<2	80	<.2	<2	<2	49	3.05	.047	2	7	2.17	26	.08	2	1.92	.03	.09	<1	.002
70139	5	759	7	48	.5	7	14	290	3.31	6	<5	<2	<2	127	.3	<2	<2	31	4.01	.052	<2	6	1.48	30	.06	<2	1.32	.02	.10	<1	.003
70140	3	1560	<2	66	1.2	6	10	479	2.78	4	<5	<2	<2	124	<.2	<2	<2	26	5.32	.043	2	4	1.20	20	.06	<2	1.18	.02	.09	5	.004
70141	6	1022	5	72	1.5	8	8	568	2.50	7	<5	<2	2	121	.3	<2	<2	18	5.46	.039	2	6	1.13	22	.05	2	1.10	.01	.11	<1	.006
70142	4	670	4	80	.8	6	13	558	3.07	7	<5	<2	2	131	.2	2	<2	19	4.50	.057	2	3	1.13	33	.04	<2	1.20	.01	.11	3	.003
70143	4	657	3	111	.7	7	11	625	3.39	2	7	<2	<2	96	.2	2	<2	50	3.27	.065	<2	7	1.92	34	.09	2	1.67	.03	.10	<1	.002
STANDARD C/AU-1	20	56	36	124	6.9	72	32	1041	3.96	44	14	6	36	51	16.8	15	23	60	.51	.090	40	59	.92	190	.08	33	1.88	.06	.16	9	.101

Sample type: CORE. Samples beginning 'RE' are duplicate samples.

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

GEOCHEMICAL/ASSAY CERTIFICATE Kitsault NK 93.21 (LE)

Noranda Exploration Co. Ltd. (Lab) PROJECT 9408-034 5 File # 94-2701

Delta Laboratory, 1 - 755, Delta BC V4G 1A6

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** oz/t
70144	11	1346	15	58	.9	8	25	522	4.68	17	<5	<2	<2	12	.2	<2	<2	48	1.00	.058	2	6	1.24	60	<.01	<2	2.12	.04	.14	<1	.004
70146	11	804	17	48	.8	4	29	643	5.01	9	<5	<2	<2	10	.3	4	2	34	.74	.055	<2	3	1.58	40	<.01	3	2.23	.03	.14	<1	.002
70147	2	276	12	153	.5	5	20	775	5.27	32	<5	<2	<2	17	.3	2	<2	53	1.69	.058	<2	3	2.11	24	<.01	4	2.69	.06	.09	<1	.001
70148	4	442	9	50	.4	7	17	381	4.15	14	<5	<2	<2	22	.3	2	2	43	.93	.064	<2	5	1.75	40	<.01	3	2.33	.06	.10	<1	.001
70149	4	386	7	78	.5	8	19	661	4.69	16	<5	<2	<2	22	.2	3	<2	31	1.95	.069	3	7	1.48	52	<.01	<2	2.08	.04	.16	<1	.003
70150	4	1639	6	101	.9	5	12	630	4.62	7	<5	<2	<2	26	.6	<2	<2	69	.76	.064	<2	7	1.68	47	.12	3	2.19	.06	.14	<1	.005
70151	2	978	3	67	.5	6	7	484	3.59	10	<5	<2	<2	114	<.2	2	6	48	3.78	.044	<2	4	1.27	32	.09	3	1.43	.04	.09	<1	.003
70152	7	1811	<2	70	1.2	9	8	516	3.36	6	<5	<2	<2	109	.5	<2	<2	41	3.20	.054	<2	6	1.30	32	.08	2	1.50	.05	.10	<1	.007
70153	1	614	4	84	.5	7	10	605	4.17	8	<5	<2	<2	87	.4	<2	<2	48	3.31	.065	<2	8	1.71	30	.05	4	1.97	.05	.12	<1	.002
70154	4	903	5	117	1.1	12	13	557	3.88	5	<5	<2	2	186	.7	<2	4	32	4.64	.061	<2	5	1.36	20	.01	2	1.51	.02	.12	<1	.002
RE 70154	3	913	6	117	1.2	11	13	555	3.90	3	<5	<2	<2	187	<.2	<2	<2	32	4.69	.061	<2	4	1.37	23	.01	<2	1.52	.02	.12	<1	.002
70155	4	1675	3	118	1.0	6	13	375	3.64	3	<5	<2	<2	122	.3	<2	<2	40	3.75	.060	<2	4	1.08	32	.07	<2	1.29	.04	.11	<1	.003
70156	3	1251	3	126	.7	7	16	423	3.43	5	<5	<2	<2	124	.3	<2	5	47	3.59	.066	<2	5	1.53	47	.08	<2	1.68	.04	.11	<1	.002
70157	19	2029	6	94	1.2	11	10	528	5.70	8	<5	<2	<2	168	.3	<2	<2	80	4.13	.053	<2	14	1.37	35	.05	2	1.51	.04	.08	<1	.006
70158	10	1984	4	80	1.2	2	9	560	3.49	8	<5	<2	<2	134	.5	2	3	50	3.95	.055	<2	4	1.42	30	.08	<2	1.48	.04	.10	<1	.005
70159	5	1789	9	69	.8	7	12	404	3.94	5	<5	<2	<2	148	.3	<2	5	58	3.96	.046	<2	6	1.24	33	.07	5	1.45	.05	.09	<1	.003
70160	3	2169	4	77	1.6	8	11	639	3.87	10	<5	<2	<2	137	<.2	<2	<2	44	3.96	.056	<2	5	1.37	35	.02	<2	1.58	.04	.10	<1	.006
70161	3	1084	3	92	.7	8	10	419	3.39	11	<5	<2	<2	123	.4	<2	<2	47	3.64	.063	<2	6	1.22	47	.08	5	1.50	.06	.12	<1	.002
70162	3	930	<2	78	.5	10	10	355	3.38	7	<5	<2	<2	148	<.2	2	<2	42	3.93	.060	<2	15	1.19	42	.08	3	1.41	.04	.10	<1	.002
70163	3	2159	3	49	.7	13	17	182	2.94	10	<5	<2	<2	164	.4	2	<2	23	4.28	.057	<2	11	.59	60	.06	<2	.80	.02	.14	<1	.003
70164	3	1410	2	61	.5	10	10	371	2.70	7	<5	<2	<2	162	<.2	2	<2	33	4.25	.065	<2	7	1.37	37	.03	2	1.47	.03	.11	<1	.003
70165	3	1556	<2	82	1.0	11	12	606	3.67	11	<5	<2	<2	160	<.2	3	<2	46	4.00	.065	<2	4	1.43	40	.05	<2	1.64	.05	.10	<1	.004
70166	3	1492	5	74	.8	6	9	523	3.23	8	<5	<2	<2	144	.3	<2	<2	41	3.79	.069	<2	5	1.18	67	.08	2	1.44	.05	.11	<1	.005
70167	4	1686	2	76	.9	8	11	501	3.80	11	<5	<2	2	152	.2	<2	3	41	4.00	.076	<2	8	.78	77	.05	2	1.09	.05	.13	<1	.004
70168	10	2867	4	83	1.9	11	12	367	2.75	10	<5	<2	<2	222	.2	<2	<2	30	5.16	.037	<2	12	.82	30	.01	<2	.88	.04	.08	<1	.008
70169	11	1666	7	70	1.2	11	8	474	4.40	11	<5	<2	<2	140	.4	<2	3	45	3.33	.037	<2	17	1.22	30	.01	7	1.45	.05	.10	<1	.007
70170	8	1212	<2	84	.8	11	13	559	3.45	12	<5	<2	<2	136	<.2	<2	<2	45	3.24	.052	2	13	1.59	28	.01	4	1.78	.05	.10	<1	.005
70171	2	973	2	74	1.0	12	12	674	3.90	7	<5	<2	<2	155	.2	2	<2	58	3.73	.061	2	38	2.08	28	.01	5	2.01	.06	.09	<1	.004
70172	3	812	5	81	.7	35	17	791	4.33	5	<5	<2	<2	149	<.2	<2	<2	77	4.41	.062	2	100	2.85	20	.01	<2	2.48	.04	.07	<1	.004
70173	1	597	6	127	.7	54	22	1187	5.23	5	<5	<2	<2	117	<.2	<2	<2	111	5.35	.049	<2	162	4.28	20	.01	4	3.10	.03	.04	<1	.004
70174	1	2414	3	128	1.5	8	11	762	4.31	9	<5	<2	<2	168	<.2	<2	3	46	4.42	.042	<2	5	1.51	48	<.01	4	1.70	.04	.12	<1	.007
70175	2	3350	5	92	3.3	3	7	796	3.45	3	<5	<2	<2	178	.2	<2	<2	20	4.20	.039	<2	4	1.24	45	<.01	4	.87	.03	.16	<1	.018
STANDARD C/AU-1	19	58	38	122	6.7	67	31	1051	3.96	42	20	7	34	50	16.7	15	18	60	.51	.090	39	56	.91	183	.08	32	1.88	.06	.15	9	.097

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.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: CORE AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE. Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: AUG 16 1994 **DATE REPORT MAILED:** Aug 18/94 **SIGNED BY** ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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

GEOCHEMICAL/ASSAY CERTIFICATE Kliyul NK 94-2 (LE)

Noranda Exploration Co. Ltd. (Lab) PROJECT 9408-040 548 File # 94-2731 Page 1

Delta Laboratory, 1 - 755, Delta BC V4G 1A6

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** oz/t
69751	7	1458	5	38	.6	6	28	433	4.02	16	<5	<2	<2	7	<.2	2	<2	29	.38	.060	<2	5	1.76	29	.02	<2	1.68	.02	.13	2	.003
69752	3	3680	5	61	1.4	8	24	629	4.49	12	<5	<2	<2	14	<.2	<2	7	52	.37	.047	<2	5	2.36	31	.04	<2	2.35	.03	.12	<1	.009
69753	3	1771	6	64	.6	7	27	648	4.81	7	<5	<2	<2	25	<.2	<2	3	64	.75	.061	<2	4	2.54	26	.03	<2	2.75	.03	.06	1	.005
69754	3	380	5	49	.1	10	24	540	4.73	7	<5	<2	<2	18	<.2	4	2	53	.44	.055	<2	13	2.58	33	.02	2	2.66	.05	.09	1	.001
69755	4	925	6	46	.5	13	26	498	4.84	7	<5	<2	<2	33	<.2	2	<2	58	.48	.061	<2	20	2.75	28	.02	<2	2.80	.05	.08	<1	.002
RE 69755	4	931	8	46	.4	13	26	499	4.82	10	<5	<2	<2	33	<.2	<2	<2	58	.48	.062	<2	21	2.77	28	.02	<2	2.81	.05	.08	<1	.001
69756	2	558	<2	44	<.1	11	24	429	5.18	11	<5	<2	<2	20	<.2	<2	3	60	.62	.064	<2	18	3.11	25	.02	<2	2.92	.05	.07	<1	.001
69757	5	672	3	31	.1	6	26	323	4.97	3	<5	<2	<2	10	<.2	<2	2	44	.35	.058	<2	4	2.42	23	.01	<2	2.33	.02	.08	1	.001
69758	6	1699	6	32	.4	7	23	278	4.14	2	<5	<2	<2	10	<.2	4	2	52	.30	.039	<2	5	2.21	19	.02	<2	2.41	.03	.08	1	.004
69759	3	1719	5	35	.5	7	15	290	4.12	3	<5	<2	<2	11	<.2	2	4	59	.39	.045	<2	4	2.49	16	.04	<2	2.62	.02	.08	<1	.005
69760	2	1324	4	48	.5	7	15	435	4.76	3	<5	<2	<2	12	<.2	2	4	49	.63	.034	<2	6	2.74	17	.06	2	2.78	.03	.09	<1	.004
69761	2	1646	5	52	.6	8	25	518	4.90	6	<5	<2	<2	14	<.2	<2	5	52	.59	.052	<2	5	2.74	19	.08	<2	2.60	.02	.10	1	.006
69762	3	1428	<2	55	.5	7	18	596	4.35	10	<5	<2	<2	18	<.2	<2	2	32	1.19	.042	<2	5	2.23	47	.05	<2	2.24	.01	.13	2	.004
69763	5	1350	4	52	.5	5	23	586	4.48	8	<5	<2	<2	16	<.2	<2	<2	39	.86	.051	<2	5	2.28	26	.06	<2	2.33	.02	.12	<1	.003
69764	2	1157	<2	54	.3	7	20	514	4.75	5	<5	<2	<2	24	<.2	<2	<2	58	.84	.060	<2	5	2.63	20	.08	2	2.75	.03	.08	2	.002
69765	1	683	3	68	.2	7	22	698	4.47	9	<5	<2	<2	19	<.2	2	4	63	1.09	.083	<2	5	2.77	21	.07	2	2.70	.02	.07	<1	.001
69766	2	917	6	61	.4	7	23	651	4.42	10	<5	<2	<2	22	<.2	<2	2	54	1.10	.110	<2	4	2.59	29	.07	<2	2.49	.03	.09	2	.002
69767	1	773	5	57	.6	8	19	726	4.06	6	<5	<2	<2	27	<.2	<2	2	51	1.91	.088	<2	4	2.55	30	.07	<2	2.33	.02	.10	<1	.002
69768	4	2624	4	54	1.1	9	25	639	4.61	17	<5	<2	<2	16	<.2	<2	5	48	.60	.038	<2	6	2.66	28	.07	2	2.57	.02	.10	2	.006
69769	3	2099	2	58	.9	9	30	672	4.95	8	<5	<2	<2	17	<.2	<2	<2	51	.49	.044	<2	4	2.56	28	.07	2	2.67	.03	.10	2	.004
69770	3	1542	5	56	.8	10	23	679	4.42	10	<5	<2	<2	17	<.2	2	2	49	.64	.038	<2	6	2.71	31	.09	2	2.62	.02	.11	2	.003
69771	3	954	5	57	.6	8	25	668	4.22	13	<5	<2	<2	18	<.2	3	5	38	.71	.049	<2	6	2.42	33	.10	<2	2.17	.02	.12	<1	.002
69772	2	835	4	65	.3	9	19	707	3.94	6	<5	<2	<2	19	<.2	<2	3	41	.74	.042	<2	6	2.66	37	.10	<2	2.43	.02	.11	1	.002
69773	9	585	2	65	.2	10	24	688	4.34	2	5	<2	<2	16	<.2	<2	2	38	1.09	.046	<2	6	2.68	36	.09	<2	2.29	.02	.12	2	.001
69774	3	1833	3	63	1.0	9	20	593	4.09	13	<5	<2	<2	13	<.2	<2	2	25	1.11	.046	<2	4	1.96	36	.09	<2	1.77	.01	.14	<1	.004
69775	5	788	<2	67	.3	7	17	655	4.02	4	<5	<2	<2	19	<.2	<2	2	42	1.11	.043	<2	5	2.62	27	.09	<2	2.28	.02	.09	2	.002
69776	5	1000	<2	79	.2	10	20	724	4.63	6	<5	<2	<2	17	<.2	<2	2	50	.73	.038	<2	7	2.98	25	.09	<2	2.79	.02	.09	<1	.003
69777	2	1793	10	73	.5	11	21	669	4.10	2	<5	<2	<2	17	<.2	2	<2	53	.56	.036	<2	7	3.07	21	.10	2	2.85	.02	.08	<1	.005
69778	6	1431	<2	70	.4	11	31	669	4.63	7	<5	<2	<2	17	<.2	2	2	47	.50	.042	<2	6	2.97	28	.10	<2	2.77	.02	.11	<1	.003
69779	7	710	<2	50	.4	10	26	493	4.58	<2	<5	<2	<2	68	<.2	2	2	39	3.56	.035	<2	6	2.61	17	.06	<2	2.23	.01	.07	<1	.001
69780	5	1532	<2	54	1.0	9	23	477	3.86	9	<5	<2	<2	67	.2	<2	<2	28	4.37	.031	<2	5	2.72	15	.06	2	1.86	.01	.07	2	.004
69781	5	1067	<2	58	.6	10	23	535	4.02	4	<5	<2	<2	68	<.2	<2	3	42	3.91	.030	<2	6	2.95	14	.05	<2	2.21	.01	.06	<1	.002
69782	2	1260	<2	47	.5	10	19	456	3.76	10	<5	<2	<2	57	<.2	<2	<2	38	3.60	.033	<2	6	2.74	13	.02	<2	2.09	.02	.06	2	.003
69783	2	1619	2	53	.6	8	23	496	4.25	10	<5	<2	<2	79	.2	<2	<2	38	4.45	.038	<2	5	2.82	16	.01	2	2.16	.02	.05	<1	.005
69784	3	1212	<2	45	.3	9	20	388	3.99	3	<5	<2	<2	66	<.2	<2	2	42	3.28	.046	<2	6	2.69	12	.02	<2	2.16	.02	.04	<1	.002
STANDARD C/AU-1	20	60	42	126	6.8	72	33	1044	3.96	41	18	6	37	53	17.0	16	24	61	.49	.092	40	58	.90	182	.08	33	1.88	.06	.16	10	.098

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.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: CORE AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE. Samples beginning /RE are duplicate samples.

DATE RECEIVED: AUG 18 1994 DATE REPORT MAILED: Aug 23/94. SIGNED BY ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** oz/t
69785	9	1220	7	42	.5	9	19	402	3.57	5	<5	<2	<2	102	<.2	<2	3	33	3.52	.030	<2	5	2.54	25	.02	<2	2.09	.02	.08	3	.003
69786	3	2132	4	27	1.1	10	22	238	2.85	11	<5	<2	<2	150	<.2	<2	<2	19	3.75	.027	<2	4	1.53	21	.01	<2	1.26	.02	.09	2	.010
69787	5	1600	5	39	.7	11	30	341	4.02	9	<5	<2	<2	73	<.2	<2	<2	33	3.35	.036	<2	6	2.44	19	.01	2	1.93	.02	.09	3	.005
69788	3	685	3	47	.4	10	22	455	4.47	7	6	<2	<2	41	<.2	<2	2	49	2.64	.040	<2	7	3.13	15	.01	<2	2.45	.03	.05	<1	.001
69789	3	571	<2	53	.4	12	25	511	4.85	5	<5	<2	<2	20	<.2	<2	2	59	.76	.043	<2	9	3.20	15	.02	<2	2.91	.03	.05	3	.001
RE 69789	3	567	3	54	.4	11	25	513	4.83	2	<5	<2	<2	20	<.2	3	<2	59	.76	.043	<2	8	3.13	15	.02	<2	2.91	.03	.06	1	.001

Sample type: CORE. Samples beginning 'RE' are duplicate samples.

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

GEOCHEMICAL/ASSAY CERTIFICATE

Kluyd NK94-23 (LE)

Noranda Exploration Co. Ltd. (Lab) PROJECT [illegible] File # 94-2813 Page 1

Delta Laboratory, 1 - 755, Delta BC V4G 1A6

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** oz/t
69835	3	727	3	56	.9	7	27	480	5.08	14	<5	<2	<2	19	.5	2	<2	45	2.05	.073	2	3	1.36	38	<.01	2	1.73	.03	.13	2	.002
69836	4	1170	5	60	.9	8	28	531	5.07	12	<5	<2	<2	14	.6	3	<2	27	1.74	.065	2	3	1.61	32	<.01	<2	1.85	.03	.17	<1	.002
69837	2	3413	9	89	.7	7	24	433	5.28	14	<5	<2	<2	8	1.0	3	<2	48	.68	.073	2	2	.99	25	<.01	<2	1.69	.03	.12	<1	.003
69838	1	3822	5	237	1.2	95	18	341	4.24	10	<5	<2	2	8	1.0	5	<2	47	.51	.078	2	4	.93	38	.01	<2	1.69	.04	.16	1111	.005
69839	1	562	3	54	.4	9	14	703	4.07	5	<5	<2	<2	38	.5	4	<2	46	2.24	.102	3	8	1.30	57	.01	2	1.76	.04	.15	2	.002
69840	2	1228	3	51	.8	11	37	465	5.19	12	<5	<2	<2	12	.5	5	<2	37	.60	.064	<2	8	1.88	28	.01	<2	2.45	.02	.11	<1	.002
69841	1	1774	<2	65	.8	10	16	606	5.33	6	<5	<2	<2	12	.5	2	<2	60	.34	.048	<2	3	1.71	27	.02	<2	2.68	.03	.10	36	.004
69842	2	1203	3	39	.4	8	15	359	4.32	4	<5	<2	<2	17	.4	3	<2	47	.54	.046	<2	3	1.25	38	.03	2	2.10	.04	.14	1	.002
69843	2	1751	3	42	.6	6	15	355	2.91	<2	<5	<2	<2	14	.4	<2	<2	31	.54	.048	<2	3	1.52	29	.06	2	2.00	.03	.13	<1	.002
69844	3	2400	29	58	1.0	8	15	460	2.95	<2	<5	<2	<2	17	.5	3	<2	29	.52	.054	<2	4	1.76	45	.08	3	2.43	.02	.20	<1	.004
RE 69844	3	2425	25	58	1.0	9	16	463	3.02	3	<5	<2	<2	17	.6	5	<2	30	.53	.054	<2	4	1.77	45	.08	3	2.49	.02	.20	<1	.003
69845	3	2877	7	58	1.1	10	28	453	4.62	4	<5	<2	<2	15	.8	3	<2	50	.40	.047	<2	5	1.88	28	.02	2	2.63	.04	.12	<1	.004
69846	3	2386	28	737	1.0	276	30	525	4.68	10	<5	<2	2	8	.8	6	2	34	.51	.051	<2	5	1.75	34	.01	<2	2.60	.02	.15	1924	.003
69847	5	1003	19	62	.6	9	27	516	5.09	4	<5	<2	<2	9	.9	6	<2	36	.74	.051	<2	4	1.91	35	.01	<2	2.64	.02	.15	3	.002
69848	6	1083	9	64	.5	27	23	567	4.80	<2	<5	<2	<2	20	.7	3	<2	52	1.18	.083	4	20	2.46	37	.03	<2	3.15	.03	.14	<1	.002
69849	2	1046	2	84	.4	14	22	526	4.27	<2	<5	<2	<2	15	.7	5	<2	45	.43	.042	<2	5	2.37	23	.02	<2	3.06	.03	.08	48	.001
69850	1	1141	5	76	.4	9	27	586	4.43	3	<5	<2	<2	14	.7	5	<2	46	.54	.049	<2	5	2.38	33	.02	2	2.95	.03	.12	<1	.002
69851	3	1509	6	69	.7	12	36	533	5.12	8	<5	<2	<2	18	.6	4	<2	42	.51	.054	<2	5	2.11	33	.02	<2	2.67	.04	.11	<1	.002
69852	2	587	4	57	.3	10	20	451	3.80	3	<5	<2	<2	12	.2	4	<2	42	.59	.050	<2	4	2.23	58	.01	2	2.78	.03	.10	7	.001
69853	3	893	4	62	.3	11	21	480	4.01	3	<5	<2	<2	14	.3	<2	<2	52	1.00	.054	<2	5	2.53	35	.01	2	3.03	.04	.09	<1	.001
69854	1	1339	4	68	.5	10	22	507	4.23	3	<5	<2	<2	15	.4	5	<2	55	.60	.054	<2	5	2.33	33	.01	2	2.99	.04	.11	<1	.002
RE 69854	1	1412	<2	70	.6	10	23	523	4.39	4	<5	<2	<2	16	.3	4	<2	56	.61	.056	<2	5	2.38	35	.01	<2	3.11	.05	.12	<1	.002
69855	1	1771	3	60	.6	11	25	449	3.84	<2	<5	<2	<2	17	.6	3	<2	47	.46	.048	<2	5	2.24	28	.01	2	2.88	.03	.09	<1	.002
69856	1	2007	8	62	.8	9	26	420	3.92	7	<5	<2	<2	17	.3	4	<2	51	.42	.049	<2	5	2.21	28	.02	3	2.77	.04	.09	<1	.003
69857	1	836	2	51	.4	8	22	357	3.84	8	<5	<2	<2	23	<.2	4	<2	59	.73	.051	<2	5	2.45	30	.03	2	2.82	.05	.10	<1	.001
69858	1	1770	6	56	.4	8	17	352	3.84	7	<5	<2	<2	18	.2	<2	<2	50	1.05	.046	<2	4	2.58	28	.02	<2	2.86	.03	.10	<1	.002
69859	1	1397	3	60	.7	8	16	611	3.82	4	<5	<2	<2	56	.2	4	<2	34	2.93	.079	2	4	1.81	51	.01	2	1.97	.03	.15	<1	.001
69860	1	1336	2	55	.7	10	18	320	4.85	8	<5	<2	<2	93	.3	4	<2	51	4.10	.058	3	4	2.66	26	<.01	<2	2.77	.03	.12	<1	.003
69861	12	1037	5	48	.8	11	17	480	3.00	5	<5	<2	<2	300	.5	5	<2	29	8.18	.031	<2	3	2.01	19	<.01	<2	1.62	.02	.08	1	.002
69862	2	762	4	46	.5	10	13	542	2.87	5	<5	<2	<2	222	.3	3	2	28	9.14	.030	<2	3	2.18	20	<.01	2	1.67	.02	.11	<1	.001
69863	4	998	5	42	.7	9	23	391	3.59	10	<5	<2	<2	236	.4	2	<2	21	6.78	.043	<2	3	1.88	26	<.01	2	1.64	.02	.13	<1	.002
69864	1	479	3	40	.4	9	14	264	3.12	5	<5	<2	<2	235	.2	4	<2	38	7.05	.040	<2	3	1.56	21	<.01	2	1.53	.02	.08	1	.001
RE 69864	1	472	<2	39	.3	8	14	264	3.13	6	<5	<2	<2	238	<.2	3	<2	39	7.33	.040	<2	3	1.60	21	<.01	2	1.54	.02	.07	1	.001
69865	1	787	2	36	.4	9	12	210	2.37	4	<5	<2	<2	217	<.2	4	<2	40	7.06	.036	<2	3	1.44	19	<.01	3	1.26	.03	.05	1	.001
69866	4	1097	4	32	.3	11	21	171	2.92	5	<5	<2	<2	187	<.2	2	<2	35	7.14	.036	<2	4	1.37	26	<.01	2	1.30	.03	.07	<1	.002
69867	1	991	4	34	.5	10	16	202	2.63	4	<5	<2	<2	168	.3	4	<2	36	6.43	.040	<2	3	2.15	17	<.01	2	1.67	.03	.05	<1	.002
69868	2	1385	3	32	.7	9	19	198	2.70	5	<5	<2	<2	220	.2	4	<2	37	6.83	.033	<2	3	1.52	22	.01	3	1.30	.03	.07	<1	.003
STANDARD C/AU-1	18	59	38	126	7.1	75	30	1023	3.96	42	19	7	36	49	16.8	16	16	60	.50	.091	40	56	.89	185	.08	33	1.88	.06	.15	13	.098

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.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: CORE AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE. Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: AUG 23 1994 DATE REPORT MAILED: Aug 30/94

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

AMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** oz/t
69869	2	1261	7	31	.2	10	15	179	2.40	<2	5	<2	3	176	<.2	2	3	33	5.89	.028	2	5	1.42	19	.02	<2	1.37	.02	.03	2	.009
69870	3	1950	5	24	.6	9	15	150	2.45	<2	5	<2	<2	149	<.2	<2	3	26	5.97	.025	2	3	1.45	26	.01	2	1.29	.02	.05	3	.004
69871	1	1065	2	30	<.1	7	13	194	2.72	2	<5	<2	<2	163	<.2	2	2	32	5.76	.038	<2	4	1.96	26	.01	<2	1.65	.02	.05	4	.002
69872	1	1610	<2	40	.3	9	18	260	3.03	<2	<5	<2	<2	69	<.2	<2	2	41	3.45	.031	<2	6	2.39	19	.03	<2	2.10	.02	.04	2	.003
69873	1	985	<2	38	.2	7	17	245	2.78	<2	<5	<2	<2	84	<.2	<2	2	45	3.33	.039	<2	5	2.74	14	.03	<2	2.14	.03	.02	2	.001
69874	5	719	4	30	.1	5	12	188	2.12	2	<5	<2	<2	131	<.2	<2	<2	29	3.73	.050	<2	4	2.18	25	.03	<2	1.76	.03	.05	3	<.001
E 69874	4	740	<2	30	.1	5	12	192	2.15	<2	<5	<2	<2	137	<.2	<2	2	30	3.79	.051	<2	4	2.23	26	.03	<2	1.79	.03	.05	<1	<.001
69875	2	1007	6	31	.1	7	12	163	2.24	<2	<5	<2	<2	163	<.2	<2	2	33	5.00	.042	<2	5	2.31	22	.04	<2	1.78	.02	.03	3	<.001
69876	3	1593	<2	29	.3	9	19	164	2.59	<2	<5	<2	<2	92	<.2	<2	2	36	3.44	.030	<2	6	2.16	21	.07	<2	1.70	.02	.03	3	.001
TANDARD C/AU-1	19	58	37	122	6.8	73	30	1023	3.96	39	18	6	35	49	17.0	15	18	62	.50	.088	41	56	.86	184	.08	33	1.88	.06	.14	11	.098

ample type: CORE. Samples beginning 'RE' are duplicate samples.

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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/ASSAY CERTIFICATE

Klajnik VK 94-22 (LE)

Noranda Exploration Co. Ltd. (Lab) PROJECT 9408-051 548 File # 94-2730 Page 1

Delta Laboratory, 1 - 755, Delta BC V4G 1A6

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** oz/t
69790	1	2204	5	419	1.8	4	17	823	3.72	8	<5	<2	<2	16	1.2	2	6	35	.52	.073	<2	5	1.43	49	.13	5	1.75	.02	.22	<1	.002
69791	1	2373	3	346	2.0	4	18	936	3.02	11	<5	<2	<2	14	1.0	3	5	22	.53	.075	<2	3	1.50	39	.13	<2	1.78	.01	.23	<1	.003
69792	1	1504	<2	380	1.3	4	12	677	3.44	14	<5	<2	<2	23	1.1	2	<2	34	.55	.074	<2	4	1.48	53	.13	<2	1.71	.03	.19	<1	.003
69793	1	1772	3	472	1.5	3	11	614	4.56	6	<5	<2	<2	19	1.2	<2	11	49	.51	.072	<2	4	1.46	55	.13	3	1.68	.04	.20	<1	.004
69794	1	1049	<2	261	1.0	4	8	637	4.18	7	<5	<2	<2	22	.5	2	<2	50	.52	.072	<2	3	1.57	53	.14	<2	1.82	.04	.24	<1	.004
69795	1	1003	<2	284	.9	3	7	544	4.17	2	<5	<2	<2	21	.6	<2	2	44	.49	.070	<2	3	1.33	49	.12	<2	1.59	.03	.18	<1	.002
69796	2	2512	<2	265	2.3	8	21	597	4.75	12	<5	<2	<2	24	.3	2	3	52	.54	.069	<2	4	1.52	56	.14	<2	1.81	.04	.20	<1	.004
69797	2	3321	5	264	2.7	6	27	583	4.49	13	<5	<2	<2	28	.5	<2	11	48	.58	.063	<2	4	1.46	56	.13	<2	1.77	.04	.17	<1	.004
69798	1	999	4	249	.9	4	14	601	4.36	4	<5	<2	<2	24	.4	2	6	54	.58	.070	<2	4	1.62	54	.13	<2	1.88	.04	.17	<1	.001
69799	1	916	6	256	.9	4	13	667	5.01	2	<5	<2	<2	20	<.2	<2	<2	65	.52	.069	<2	25	1.83	53	.13	<2	2.08	.03	.17	<1	.002
RE 69799	1	925	2	258	.8	5	13	671	5.02	3	<5	<2	<2	21	<.2	<2	<2	65	.53	.070	<2	25	1.84	52	.14	<2	2.08	.04	.17	<1	.002
69800	1	2008	3	214	2.1	6	15	605	4.93	9	<5	<2	<2	25	.2	3	2	57	.63	.062	<2	5	1.39	46	.13	<2	1.69	.04	.18	<1	.003
69801	<1	707	3	254	.5	2	12	469	4.59	5	<5	<2	<2	29	.2	2	<2	74	.57	.065	<2	5	1.62	95	.16	<2	1.84	.05	.33	<1	.001
69802	1	1073	2	270	.7	6	13	442	5.36	6	<5	<2	<2	24	<.2	3	3	72	.53	.071	<2	5	1.75	113	.17	<2	1.93	.05	.39	<1	.001
69803	2	2135	<2	245	1.1	2	26	358	6.53	2	<5	<2	<2	16	.8	<2	6	57	.44	.067	<2	5	1.30	106	.14	<2	1.52	.04	.28	<1	.002
69804	1	282	<2	196	.3	5	13	385	4.12	6	<5	<2	<2	18	<.2	2	<2	84	.65	.068	<2	10	1.47	146	.18	<2	1.57	.05	.39	<1	<.001
69805	1	1104	6	211	.7	7	13	322	5.10	5	<5	<2	<2	18	<.2	<2	<2	70	.46	.066	<2	18	1.22	114	.17	<2	1.37	.05	.35	<1	.002
69806	1	969	5	238	.6	7	12	320	5.19	4	<5	<2	<2	12	<.2	<2	<2	62	.45	.068	<2	6	1.05	132	.16	3	1.32	.04	.52	<1	.002
69807	1	530	2	254	.3	4	14	359	4.52	6	<5	<2	<2	23	.3	<2	6	69	.67	.064	<2	3	1.29	100	.19	4	1.47	.03	.46	<1	.001
69808	1	2379	3	250	1.7	8	14	347	3.93	4	<5	<2	<2	24	.6	2	3	73	.53	.065	<2	4	1.20	106	.19	<2	1.45	.04	.44	<1	.005
69809	1	636	2	206	.3	5	13	362	4.30	2	<5	<2	<2	25	.2	<2	<2	82	.64	.068	<2	3	1.19	124	.19	<2	1.43	.04	.50	<1	.001
69810	1	1697	3	275	.9	4	12	362	5.56	3	<5	<2	<2	13	.5	<2	5	74	.63	.073	<2	5	1.14	134	.19	<2	1.38	.04	.57	<1	.003
69811	<1	911	5	264	.5	5	13	380	5.16	5	<5	<2	<2	14	.4	<2	<2	74	.68	.069	<2	4	1.25	124	.19	<2	1.46	.04	.49	<1	.002
69812	<1	819	2	175	.4	3	9	318	6.72	<2	<5	<2	2	12	<.2	2	<2	57	1.14	.072	<2	4	.65	106	.12	3	.82	.02	.35	<1	.002
69813	2	1438	4	223	.8	4	15	449	7.19	18	<5	<2	2	17	.2	<2	<2	78	1.07	.069	<2	7	.93	110	.17	<2	1.18	.04	.35	<1	.005
69814	1	801	2	170	.5	4	9	324	5.22	4	<5	<2	<2	13	.2	<2	<2	67	.82	.078	<2	4	.67	124	.16	<2	.99	.04	.34	<1	.003
69815	1	2477	6	222	1.4	4	9	437	5.12	2	<5	<2	<2	10	.3	2	<2	64	.96	.059	<2	17	.97	106	.12	<2	1.10	.03	.32	<1	.011
69816	1	2532	4	199	1.5	4	7	424	3.77	8	<5	<2	<2	26	.5	3	3	35	.71	.070	<2	9	.94	80	.11	<2	1.24	.04	.31	<1	.013
69817	1	761	5	223	.7	6	11	466	4.97	3	<5	<2	<2	22	<.2	3	2	65	.59	.067	<2	5	1.15	76	.16	<2	1.38	.04	.35	<1	.003
69818	1	594	<2	268	.6	5	12	396	5.53	5	<5	<2	<2	25	.3	2	<2	71	.57	.066	<2	5	1.02	80	.17	2	1.25	.05	.34	<1	.003
69819	2	3471	4	291	3.3	7	13	668	5.83	7	<5	<2	<2	31	.6	2	<2	65	.82	.060	<2	4	1.24	68	.16	2	1.54	.04	.31	<1	.016
69820	1	714	7	167	.9	5	12	583	4.43	3	<5	<2	<2	25	<.2	2	<2	42	.82	.072	<2	3	1.20	72	.15	<2	1.51	.02	.33	<1	.002
69821	2	947	6	143	.9	4	13	435	5.56	2	<5	<2	<2	27	<.2	2	4	70	1.07	.069	<2	4	1.27	72	.16	4	1.61	.04	.24	<1	.003
69822	1	963	3	138	.6	3	9	440	3.86	6	<5	<2	<2	26	<.2	4	<2	47	.70	.082	<2	8	1.02	61	.12	<2	1.27	.04	.16	<1	.003
69823	1	1259	4	183	.8	5	8	314	7.60	2	<5	<2	<2	17	<.2	2	<2	88	.68	.081	<2	5	.48	68	.11	<2	.76	.03	.21	1	.005
STANDARD C/AU-1	19	57	38	122	6.6	68	31	1043	3.96	43	18	6	35	50	17.5	15	17	60	.51	.090	42	56	.91	191	.08	33	1.88	.06	.15	11	.096

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.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: CORE AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE. Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: AUG 18 1994 **DATE REPORT MAILED:** Aug 23/94. **SIGNED BY.** D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** oz/t
69824	1	572	4	181	.6	4	11	410	7.74	6	5	<2	2	14	.2	2	2	91	.78	.070	<2	3	.70	129	.15	<2	1.02	.04	.26	<1	.002
69825	2	830	4	195	.8	6	11	616	4.55	4	<5	<2	<2	23	<.2	3	<2	54	.72	.074	<2	6	1.08	119	.18	<2	1.38	.05	.21	<1	.003
69826	3	732	<2	186	.6	4	15	473	4.92	4	<5	<2	<2	21	<.2	<2	<2	50	.53	.073	<2	6	.93	110	.15	<2	1.24	.04	.20	<1	.002
69827	2	1098	8	178	.9	7	15	475	4.95	2	<5	<2	<2	17	<.2	<2	7	48	.54	.074	<2	4	1.00	125	.14	<2	1.35	.03	.25	<1	.003
RE 69827	2	1066	10	170	.9	5	15	462	4.83	2	<5	<2	<2	17	<.2	<2	6	47	.54	.072	<2	4	.97	127	.14	<2	1.31	.03	.25	<1	.002
69828	1	928	<2	156	.7	4	13	431	5.29	<2	<5	<2	<2	15	<.2	3	5	51	.52	.062	<2	5	.81	123	.15	4	1.10	.03	.20	<1	.002
69829	1	3360	3	155	2.2	2	18	469	5.13	<2	<5	<2	<2	13	.5	<2	3	37	.55	.060	<2	3	.80	129	.14	<2	1.10	.03	.22	<1	.006
69830	1	858	3	134	.6	4	13	495	5.18	<2	<5	<2	<2	16	<.2	3	7	48	.50	.062	<2	4	.90	129	.15	<2	1.19	.03	.21	<1	.002
69831	2	1500	9	145	1.6	5	14	565	5.25	<2	<5	<2	<2	17	<.2	4	<2	48	.59	.062	<2	4	1.00	134	.15	<2	1.28	.03	.20	<1	.005
69832	1	912	13	148	1.7	5	15	653	6.08	3	<5	<2	2	23	.5	3	<2	53	.98	.067	2	4	1.09	130	.14	<2	1.38	.03	.20	<1	.005
69833	1	842	<2	135	1.2	6	14	813	5.07	<2	<5	<2	2	14	.4	<2	4	38	1.47	.076	2	4	1.29	107	.12	<2	1.48	.02	.24	<1	.003
69834	3	1137	26	78	2.2	7	14	563	4.32	5	<5	<2	<2	14	<.2	3	<2	20	1.70	.067	3	4	.70	88	.01	<2	.99	.01	.31	<1	.005
STANDARD C/AU-1	19	58	37	123	6.7	65	30	1040	3.96	40	19	6	35	50	16.7	15	22	60	.50	.089	42	56	.89	187	.08	33	1.88	.06	.15	11	.096

Sample type: CORE. Samples beginning 'RE' are duplicate samples.

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

GEOCHEMICAL/ASSAY CERTIFICATE Kluyel (LE) NK94-25,26,28

Noranda Exploration Co. Ltd. (Lab) PROJECT 9408-058 548 File # 94-2855 Page 1

Delta Laboratory, 1 - 755, Delta BC V4G 1A6

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** oz/t
69877	2	688	5	55	.6	3	10	648	4.63	<2	<5	<2	2	35	.5	<2	<2	41	3.28	.053	<2	6	1.83	27	<.01	4	1.84	.04	.09	1	.004
69878	2	199	<2	55	.1	17	16	650	4.72	<2	<5	<2	2	52	.4	<2	<2	65	3.43	.067	<2	43	2.42	42	<.01	7	2.02	.04	.11	<1	.001
69879	4	367	<2	46	.2	11	12	400	4.21	<2	<5	<2	<2	21	.4	<2	2	28	2.14	.060	<2	10	1.61	18	<.01	4	1.70	.04	.10	2	.003
69880	3	389	2	67	.3	7	16	639	4.54	<2	<5	<2	<2	17	<.2	<2	2	47	1.54	.055	<2	16	2.04	16	.01	6	2.19	.05	.07	<1	.002
69881	3	172	2	52	.1	7	11	531	4.98	<2	<5	<2	<2	23	.5	<2	<2	59	1.25	.057	<2	9	2.22	26	.02	6	2.75	.05	.06	<1	<.001
69882	5	88	<2	41	.2	11	13	547	4.39	<2	<5	<2	<2	20	.2	<2	<2	38	2.37	.056	<2	6	2.11	26	.03	4	2.00	.05	.08	<1	.001
69883	2	20	6	48	<.1	7	18	296	5.02	<2	<5	<2	<2	20	.4	<2	<2	47	1.42	.059	<2	8	2.03	26	.03	6	1.94	.08	.05	<1	<.001
69884	2	97	4	46	.1	10	14	325	4.37	<2	<5	<2	<2	20	<.2	<2	6	35	1.27	.057	<2	7	2.03	24	.04	4	1.94	.07	.07	1	<.001
69885	2	21	3	54	.1	9	15	287	5.41	3	<5	<2	<2	16	.5	<2	4	44	1.04	.043	<2	6	1.88	18	.07	2	1.71	.06	.07	1	.001
69886	2	40	3	39	.2	5	15	382	5.40	<2	<5	<2	<2	23	.7	<2	<2	45	2.13	.060	<2	5	1.98	34	.02	5	1.82	.07	.09	<1	.001
69887	1	24	<2	69	.1	10	15	458	5.42	<2	<5	<2	<2	23	.5	<2	<2	37	1.49	.053	<2	10	1.96	24	.03	4	1.82	.08	.07	<1	<.001
69888	3	88	2	77	.2	6	11	500	4.45	<2	<5	<2	<2	23	.2	<2	2	43	1.23	.054	<2	11	2.11	18	.04	3	2.00	.07	.08	<1	.001
69889	6	56	3	60	.2	6	19	412	6.54	2	<5	<2	<2	15	.9	<2	6	20	1.20	.058	<2	3	1.32	29	.04	<2	1.31	.06	.12	<1	.001
69890	1	9	5	45	.1	8	8	655	3.30	3	<5	<2	2	22	.5	<2	3	10	3.01	.064	2	6	1.30	34	<.01	2	1.25	.04	.14	1	<.001
69891	2	20	4	49	.3	10	7	511	3.19	<2	<5	<2	<2	20	.3	<2	<2	13	2.24	.071	<2	9	1.29	31	<.01	2	1.25	.05	.11	1	.002
69892	1	236	5	47	.3	7	11	767	4.13	<2	<5	<2	<2	29	.3	<2	<2	37	3.44	.052	2	8	1.72	21	<.01	4	1.60	.04	.06	1	.001
69893	3	50	6	119	.1	9	13	1131	4.62	<2	<5	<2	<2	30	.5	<2	<2	49	2.80	.054	3	9	2.10	45	<.01	2	2.22	.05	.07	<1	<.001
RE 69893	3	51	3	118	<.1	8	13	1123	4.58	3	<5	<2	<2	30	.7	<2	5	48	2.76	.055	<2	9	2.08	41	<.01	3	2.20	.05	.07	<1	.001
69894	1	74	4	116	.1	25	22	1305	5.70	3	<5	<2	2	92	.7	<2	<2	119	5.64	.063	<2	77	3.78	55	<.01	<2	2.93	.02	.08	<1	.001
69895	6	489	5	153	.6	5	20	874	4.56	<2	<5	<2	<2	12	.8	<2	<2	28	1.17	.067	<2	4	1.33	34	.05	<2	1.75	.02	.17	<1	.002
69896	5	844	7	156	.7	9	14	596	5.71	<2	<5	<2	<2	11	.7	2	5	34	.71	.074	<2	6	.83	52	.05	<2	1.35	.02	.19	<1	.002
69897	5	1135	7	197	.8	7	20	630	4.43	3	<5	<2	<2	16	1.4	<2	2	21	1.62	.063	<2	3	.80	37	.02	2	1.24	.01	.19	<1	.003
69898	6	671	10	116	.3	6	21	716	4.77	2	<5	<2	<2	11	<.2	<2	<2	23	.95	.066	2	2	1.19	36	.01	<2	1.75	.01	.19	<1	.001
69899	11	659	6	191	.8	11	14	449	3.53	8	<5	<2	<2	13	1.4	<2	<2	14	.88	.089	<2	14	.52	49	.01	<2	.89	.01	.19	<1	.003
69900	8	795	3	237	.9	10	10	634	4.69	3	<5	<2	<2	16	.6	<2	<2	24	.63	.083	<2	22	.81	39	.03	5	1.39	.02	.15	<1	.002
69901	2	159	4	147	.2	10	6	655	3.37	<2	<5	<2	<2	16	.3	<2	<2	16	.60	.091	<2	13	.96	44	.04	<2	1.56	.02	.17	<1	<.001
69902	6	271	5	522	.3	7	12	415	3.96	<2	<5	<2	<2	19	2.9	<2	<2	22	.64	.081	<2	12	.69	63	.07	<2	1.24	.02	.19	<1	.001
69903	13	534	2	118	.5	12	18	535	4.83	6	<5	<2	<2	23	.6	2	<2	25	1.37	.085	<2	7	.51	49	.01	<2	.98	.01	.20	<1	.002
69904	11	431	5	109	.4	10	17	469	4.00	6	<5	<2	<2	16	.3	2	<2	13	1.02	.081	<2	8	.53	52	<.01	4	1.00	.02	.20	<1	.001
69905	4	596	4	194	.8	6	10	522	3.73	2	<5	<2	2	52	1.0	<2	<2	25	3.43	.085	<2	7	1.41	26	.01	<2	1.77	.01	.12	<1	.001
69906	1	634	<2	509	1.1	6	12	358	4.59	<2	<5	<2	<2	52	5.1	<2	3	44	3.03	.064	<2	4	1.77	26	.01	<2	2.11	.02	.08	<1	.002
69907	1	357	<2	158	.4	9	15	439	4.36	<2	<5	<2	<2	60	.8	2	<2	38	2.50	.066	<2	3	1.79	31	.01	<2	2.06	.02	.09	<1	.001
69908	19	348	<2	98	.4	8	15	416	4.54	<2	<5	<2	<2	72	.3	<2	<2	34	2.79	.054	<2	4	1.35	34	.01	<2	1.68	.01	.09	<1	.001
69909	9	433	3	64	.8	6	47	675	4.53	2	<5	<2	<2	68	.5	<2	<2	16	3.64	.071	<2	3	1.06	28	.01	<2	1.22	.01	.12	<1	.002
69910	6	574	<2	82	1.0	8	16	806	4.05	3	<5	<2	<2	115	1.1	<2	<2	29	3.46	.065	<2	6	1.17	31	<.01	3	1.45	.02	.10	<1	.002
STANDARD C/AU-1	19	58	38	128	6.9	68	30	1039	3.96	43	15	6	35	49	17.3	15	17	60	.51	.089	40	56	.91	181	.08	34	1.88	.06	.15	12	.099

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.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000/PPB
- SAMPLE TYPE: CORE AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE. Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: AUG 25 1994 DATE REPORT MAILED: Aug 30/94 SIGNED BY ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** oz/t
69911	8	435	15	105	2.9	17	25	711	4.35	4	<5	<2	3	131	.5	<2	<2	14	4.37	.065	2	11	1.25	28	<.01	<2	1.33	.02	.14	9	.005
69912	5	330	6	82	.3	14	14	825	3.35	6	<5	<2	<2	78	<.2	<2	<2	20	3.27	.081	3	11	1.33	45	.01	<2	1.72	.02	.15	<1	.001
69913	6	523	3	90	.4	10	19	679	4.95	6	<5	<2	<2	103	.2	<2	<2	30	3.46	.081	<2	12	1.33	38	.01	<2	1.79	.02	.11	<1	.001
69914	6	884	4	64	.7	12	23	316	4.36	3	<5	<2	<2	124	.2	<2	<2	24	3.38	.067	2	12	.56	30	.02	<2	1.11	.02	.14	<1	.002
69915	3	744	3	79	.6	10	18	358	4.14	<2	<5	<2	<2	101	.2	<2	<2	23	2.85	.074	<2	12	.99	39	.02	<2	1.36	.02	.10	<1	.002
69916	6	453	9	94	.4	8	15	402	4.06	5	<5	<2	<2	110	.2	<2	<2	38	3.05	.078	<2	9	1.34	51	.02	<2	1.76	.02	.12	<1	.001
69917	7	443	6	76	.4	8	14	385	4.72	<2	<5	<2	2	121	<.2	<2	<2	42	3.92	.059	<2	6	1.27	40	.05	<2	1.54	.02	.11	<1	.001
69918	4	757	3	83	.5	7	15	374	4.16	3	<5	<2	<2	106	<.2	<2	<2	32	3.63	.059	<2	5	.70	44	.05	<2	1.29	.02	.12	1	.001
69919	4	408	11	116	.2	6	10	452	4.76	3	<5	<2	<2	96	.2	2	2	40	3.28	.070	<2	5	1.27	42	.07	<2	1.67	.02	.13	1	<.001
69920	8	755	3	82	1.1	10	15	592	3.23	3	<5	<2	<2	86	.2	<2	<2	22	3.63	.064	<2	6	.85	42	.05	<2	1.39	.01	.19	<1	.003
69921	5	732	6	85	.7	6	16	703	3.79	<2	<5	<2	<2	104	<.2	<2	<2	25	4.31	.050	<2	3	1.29	29	.06	<2	1.50	.01	.11	<1	.002
69922	8	540	5	71	.4	6	11	575	3.60	3	<5	<2	2	134	<.2	<2	<2	26	4.76	.045	<2	3	.89	33	.06	<2	1.34	.02	.13	<1	.001
69923	6	834	11	70	1.3	7	10	643	4.05	3	<5	<2	2	128	.2	<2	<2	30	4.71	.046	<2	4	1.25	34	.03	<2	1.39	.01	.12	<1	.003
69924	20	777	9	39	.9	7	20	415	2.74	3	<5	<2	2	130	<.2	<2	<2	18	4.97	.049	<2	3	.41	31	.03	<2	.79	.01	.14	7	.002
69925	4	1390	6	99	1.7	5	14	606	4.67	4	<5	<2	<2	99	.2	<2	2	29	3.74	.044	<2	5	.84	29	.06	<2	1.27	.01	.12	1	.006
69926	3	250	6	26	<.1	30	29	417	3.79	<2	5	<2	<2	73	<.2	2	<2	62	1.20	.066	<2	34	1.26	43	.13	<2	1.49	.06	.25	1	<.001
69927	2	88	6	35	<.1	19	15	520	3.30	<2	<5	<2	<2	83	<.2	2	2	94	1.62	.085	<2	37	1.30	96	.17	<2	1.62	.05	.46	1	<.001
RE 69927	2	87	<2	34	<.1	18	15	509	3.22	2	<5	<2	<2	79	<.2	<2	<2	92	1.57	.083	<2	34	1.28	93	.17	<2	1.57	.05	.45	1	<.001
69928	1	60	<2	43	<.1	9	14	539	3.40	<2	<5	<2	<2	79	<.2	<2	2	103	1.71	.086	<2	17	1.25	132	.18	<2	1.62	.06	.82	<1	<.001
69929	1	134	6	37	<.1	11	14	496	3.42	<2	<5	<2	<2	89	<.2	<2	<2	109	1.69	.092	<2	28	1.14	46	.18	<2	1.37	.05	.25	<1	.001
69930	1	69	4	43	<.1	9	14	517	3.35	<2	<5	<2	<2	76	<.2	2	3	109	1.47	.099	<2	15	1.25	118	.21	<2	1.75	.05	.78	<1	<.001
STANDARD C/AU-1	19	58	38	128	6.8	72	30	1027	3.96	40	13	5	34	49	19.0	14	18	62	.50	.090	41	55	.91	181	.08	37	1.88	.06	.15	10	.099

Sample type: CORE. Samples beginning 'RE' are duplicate samples.

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

GEOCHEMICAL/ASSAY CERTIFICATE

Noranda Exploration Co. Ltd. (Lab) PROJECT 9408-064 548 File # 94-2914

Delta Laboratory, 1 - 755, Delta BC V4G 1A6

KL 94-27.

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** oz/t
69931	1	137	8	34	.2	11	15	431	2.81	<2	<5	<2	<2	64	<.2	<2	2	94	1.46	.092	<2	24	1.16	31	.17	3	1.24	.06	.18	3	.001
69932 26	21	493	8	13	.9	8	5	237	1.43	2	7	<2	<2	18	<.2	<2	2	32	.91	.023	<2	13	.29	13	.06	2	.42	.03	.08	2	.001
69933	1	55	10	38	.3	11	18	579	3.42	<2	<5	<2	<2	57	<.2	<2	4	114	2.15	.094	<2	21	1.46	86	.17	<2	1.65	.06	.57	1	<.001
70076	3	47	99	168	.5	17	16	235	3.91	3	6	<2	<2	8	.4	2	3	13	.80	.083	<2	10	.63	32	.03	2	.91	.03	.17	<1	.001
70077 27	5	24	42	153	.3	18	15	200	3.27	<2	<5	<2	<2	7	<.2	<2	<2	11	.79	.090	<2	32	.95	31	<.01	<2	.90	.02	.17	<1	<.001
70078	4	39	60	220	.4	14	17	167	3.99	<2	6	<2	<2	6	.7	2	2	10	.69	.084	<2	7	.61	30	<.01	2	.79	.02	.15	<1	<.001
70079	5	38	18	78	.4	47	19	424	4.28	3	<5	<2	<2	21	<.2	<2	<2	28	2.38	.076	<2	78	2.10	24	<.01	<2	1.41	.01	.13	<1	.001
70080	2	105	20	62	.2	22	14	312	3.64	<2	<5	<2	<2	10	<.2	<2	2	17	1.36	.080	<2	22	1.31	32	<.01	<2	1.12	.02	.17	<1	<.001
RE 70080	1	103	18	61	.3	22	14	308	3.62	<2	<5	<2	<2	10	<.2	2	2	17	1.35	.079	<2	21	1.28	32	<.01	<2	1.12	.02	.16	<1	.001
70081	3	118	42	509	.6	19	19	305	5.00	3	<5	<2	<2	9	1.6	<2	4	11	1.39	.086	<2	12	.64	28	<.01	2	.85	.01	.16	<1	.001
70082	7	57	44	257	.6	26	21	220	5.07	<2	<5	<2	<2	7	.5	<2	5	13	1.02	.080	<2	15	.83	32	<.01	2	.91	.02	.19	<1	.001
70083	4	126	36	106	.7	21	20	266	4.66	3	6	<2	<2	9	<.2	2	<2	11	1.52	.068	<2	12	.96	25	<.01	<2	.86	.01	.14	<1	.001
70084	1	76	17	93	.6	23	14	490	3.79	<2	<5	<2	<2	41	<.2	2	2	12	2.16	.086	<2	10	1.20	48	<.01	2	.80	.02	.19	1	.001
70085	3	83	7	94	.6	27	11	751	3.17	2	<5	<2	<2	82	.2	2	2	15	3.27	.081	2	14	1.81	73	<.01	<2	.92	.02	.15	<1	.001
70086	4	306	8	121	.9	17	14	566	3.56	<2	<5	<2	<2	34	.3	<2	2	8	2.81	.076	<2	8	1.35	33	<.01	2	.63	.01	.16	<1	.003
70087	1	192	35	1661	.6	9	12	868	3.75	<2	<5	<2	2	42	8.8	<2	3	22	4.01	.065	<2	10	1.59	38	<.01	2	1.26	.02	.12	<1	.002
70088	12	70	10	176	.6	10	21	743	5.56	2	7	<2	<2	20	<.2	<2	<2	72	1.80	.060	<2	9	2.21	55	.01	<2	2.23	.04	.10	<1	.002
70089	2	104	7	265	.6	11	14	721	4.77	<2	<5	<2	<2	28	<.2	<2	3	64	2.29	.057	<2	8	2.38	37	<.01	<2	1.91	.03	.06	<1	.002
70090	67	29	10	60	.7	14	16	1258	4.06	<2	<5	<2	2	52	.4	<2	<2	9	4.25	.033	<2	11	2.22	23	<.01	<2	.22	.03	.06	1	.003
STANDARD C/AU-1	21	59	37	133	7.4	74	32	1088	4.16	41	16	7	39	52	18.7	14	20	57	.50	.096	41	60	.91	186	.09	34	1.97	.07	.16	11	.098

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.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: CORE AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE. Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: AUG 30 1994 **DATE REPORT MAILED:** Sept 8/94 **SIGNED BY** C. Leong .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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

GEOCHEMICAL/ASSAY CERTIFICATE Kliyul (LE) NK94-27

Noranda Exploration Co. Ltd. (Lab) PROJECT ~~Kliyul~~ 016 548 File # 94-3148 Page 1

Delta Laboratory, 1 - 755, Delta BC V4G 1A6

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** oz/t
70091	3	205	25	119	.4	19	15	392	4.91	<2	<5	<2	<2	24	.5	<2	<2	25	2.29	.072	2	24	1.30	38	.01	5	1.26	.05	.12	<1	.002
70092	1	104	5	64	.3	13	14	348	4.01	<2	<5	<2	<2	14	<.2	<2	4	23	1.33	.080	<2	14	1.45	45	.02	3	1.38	.05	.10	<1	.001
RE 70092	1	105	5	63	.2	12	15	354	4.04	<2	<5	<2	<2	14	<.2	<2	<2	23	1.35	.081	<2	14	1.46	48	.02	<2	1.40	.05	.10	<1	.001

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.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: CORE AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE. Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: SEP 14 1994 **DATE REPORT MAILED:** Sept 21/94 **SIGNED BY** ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

NORANDA DELTA LABORATORY

Geochemical Analysis

Project Name & No.: KLIYUL DDH-NK-94-29 - 45548 **Geol.:** GG/LE **Date received:** OCT. 19 **LAB CODE:** 9410--022

Material: 11 CORES **Sheet:** 1 of 1 **Date completed:** OCT. 25

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

¤ Organic, Δ Humus, S Sulfide

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 $HClO_4/HNO_3$ (4:1) at 203 °C for 4 hours diluted to 10 ml with water. Leeman PS3000 ICP determined elemental contents.

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

T.T. No.	SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sr ppm	Ti %	V ppm	Zn ppm
146	70176 CORE	50	0.2	5.17	10	538	0.5	5	3.57	0.2	66	18	13	46	5.67	0.80	13	14	2.37	1591	1	0.08	10	0.14	94	185	0.40	212	175
147	70177	10	0.2	5.24	12	253	0.4	8	4.27	0.5	64	22	12	65	5.70	0.42	15	15	2.36	1297	1	0.09	12	0.09	20	296	0.39	206	130
148	70178	10	0.2	6.00	12	572	0.4	6	4.15	0.9	62	25	28	83	5.97	0.94	15	18	2.79	2400	1	0.07	25	0.09	31	189	0.36	206	306
151	70179	15	0.2	4.58	23	189	0.5	5	4.99	0.8	72	33	161	34	5.86	0.24	14	16	4.19	2247	1	0.09	93	0.11	9	153	0.29	174	248
152	70180	40	0.4	5.87	14	807	0.5	5	2.96	1.2	60	16	10	48	4.99	1.34	14	12	1.76	2276	1	0.08	7	0.10	22	160	0.26	170	246
153	70181	10	0.2	5.41	20	691	0.4	5	3.87	0.8	67	16	28	67	6.18	0.93	16	16	2.28	1929	1	0.09	22	0.11	15	171	0.31	229	269
154	70182	20	0.4	5.33	27	667	0.4	5	2.09	0.2	52	10	11	89	6.17	1.03	15	14	2.32	1464	1	0.08	8	0.10	13	138	0.39	234	213
156	70183	10	0.2	5.38	23	416	0.4	5	2.69	1.1	59	13	11	66	5.79	0.68	14	15	2.05	1697	1	0.08	8	0.08	17	167	0.34	206	370
157	70184	10	0.2	6.47	22	1891	0.4	7	2.12	0.5	57	7	9	52	5.48	1.61	15	14	2.04	1985	1	0.08	6	0.08	50	131	0.46	241	329
158	70185	35	0.6	5.82	22	1390	0.4	6	2.73	0.6	61	8	10	58	5.84	1.13	17	13	1.69	1668	1	0.09	6	0.08	40	186	0.49	253	298
159	70186 CORE	10	0.2	5.68	21	1419	0.4	12	2.04	1.5	57	13	10	68	5.88	1.34	17	14	1.89	1635	1	0.08	8	0.09	54	138	0.47	250	468

26/w GG/GB

APPENDIX IV

DIAMOND DRILL LOGS

NORANDA EXPLORATION COMPANY LTD.

1=very weak 3=moderate 5=very strong
2=weak 4=strong

DATE COLLARED Aug 2/94	DATE COMPLETED Aug 4/94	CORE SIZE BDBGM	DIP TESTS		PROPERTY KLIYUL	PROJECT NO. 548	N.T.S. No. 94D	GRID NORTH (W.R.T. TRUE)
FIELD CO-ORDINATES			DEPTH	BEARING / ANGLE			Sheet 1 of 12	MAGNETIC DECLINATION
LAT. 1870N	ELEV. 1750 m	DIP -70°	152.4	RECORDED / CORRECTED / RECORDED / CORRECTED	LAT. / ELEV.	DIP	HOLE No.	LOGGED BY L. ERDMAN
DEP. 2620E	LENGTH 152.4	BEARING 035°		035 / / -70 /	DEP. / LENGTH	BEARING	NK-94-20	DATE: August 3 to 6 1994

				GEOTECH								GEOCHEM								ASSAY		
FROM	TO	ROCK TYPE	DESCRIPTION	FROM	TO	% RECOVERY	% Py	% Cp	% Mt	% Po	Frac Dens	FROM	TO	Carb	Chlo	Ep	Ser	Sil	Gyp	FROM	TO	SAMPLE No.
0	3	OB	Overburden																			
3	9.0	OB	Overburden	3	6.1	47	-	-	-	-		3	9.0	-	-	-						
			Rubbly core pieces of many lithologies.	6.1	9.1	60	-	-	-	-												
9.0	12.2	MZ	MONZONITE	9.1	12.2	55	<1	-	-	<0.5		9	12.2	1	1	1	3	-	-			
			Very broken, most fragments <2 cm in size. Green-gray colour. Indistinct ghostly textures, fine grained, quartz eyes. Local fracture fill carbonate, also fracture fill epidote. Epidote and carbonate are not observed in the same fracture. Overall pyrite content is <1%, fine grained and disseminated but locally dust size pyrite forms aggregates in chloritic fractures and ranges up to 15%. Non-magnetic.																			
12.2	18.9	MZ	MONZONITE	12.2	15.2	100	<0.5	Tr	-	<0.5	60	12.2	18.4	1	2	1	4	-	-	13.5	15.5	70101
			Similar to previous interval but core is less rubbly/broken and locally forms 0.5 cm to 2 cm "plates", fractured at 100 to 110° to CA. Feldspar crystal fragments more apparent but still ghosty. Minor quartz veinlets (<0.5 mm), no preferred orientation.	15.2	18.3	100	5	-	-	<0.5	60											
			14.6 m Trace of chalcopyrite in a 1 cm carbonate vein.																			
			Pyrite content has decreased except as below 16.1 m to 17.2 m.																			
			Sericitic, foliated with 20% coarse grained pyrite in stringers, much of the pyrite is distinctly cubic (1mm). Similar disseminated pyrite (2%) also occurs within this interval.																			
18.4	21.3	AND	ANDESITE	18.3	21.3	100	7	-	-	<0.5	60	18.4	21.3	-	-	-	4	-	-			
			Light green-gray, feldspar crystals are absent, equigranular. Pervasive sericite, no visible mafics. Similar to 16.1 to 17.2. Fracturing at 100 to 110° to CA. Medium to coarse grained disseminated pyrite occurs throughout, locally occuring in fractures. Most of the disseminated pyrite is actually pyrite clusters, no individual crystals. No carbonate, non-magnetic.																			

NORANDA EXPLORATION COMPANY LTD.

1=very weak 2=weak 3=moderate 4=strong 5=very strong

DATE COLLARED Aug2/94	DATE COMPLETED Aug 4/94	CORE SIZE BDBGM	DIP TESTS				PROPERTY KLIYUL		PROJECT NO. 548		N.T.S. No. 94D	GRID NORTH (W.R.T. TRUE)
FIELD CO-ORDINATES		DEPTH	BEARING		ANGLE						Sheet 2 of 12	MAGNETIC DECLINATION
LAT. 1870N	ELEV. 1750 m	DIP -70°	152.4	RECORDED	CORRECTED	RECORDED	CORRECTED	LAT.	ELEV.	DIP		HOLE No.	LOGGED BY L. ERDMAN
DEP. 2620E	LENGTH 152.4	BEARING 035°		035		-70		DEP.	LENGTH	BEARING		NK-94-20	DATE: August 3 to 6, 1994

				GEOTECH								GEOCHEM								ASSAY		
FROM	TO	ROCK TYPE	DESCRIPTION	FROM	TO	% RECOVERY	% Py	% Cp	% Mt	% Po	Frac Dens	FROM	TO	Carb	Chlo	Ep	Ser	Sil	Gyp	FROM	TO	SAMPLE No.
21.3	24.4	AND	ANDESITE	21.3	24.4	50	7	-	-	-		21.3	24.4	-	-	-	4	-				
			Same as previous interval.																			
24.4	30.5	AND	ANDESITE VOLCANICLASTIC	24.4	27.4	50	3	-	-	-		24	30.5	-	3	-	3	-	-			
			Green-grey foliated with mafics to shattered chlorite. Feld-	27.4	30.5	37	3	-	-	<0.5												
			spar crystal fragments. Pervasive sericite, local sections																			
			completely sericitic without mafics. Fine grained to medium																			
			pyrite. No pyrite blebs. Foliated.																			
30.5	33.5	MZ	MONZONITE SHATTERED	30.5	33.5	65	3	-	-	<0.5		30.5	33.5	-	-	-	4	-	-			
			Light green with ghosty white blebs defining foliation. Pyrite	33.5	36.6	90	4	-	-	<0.5		33.5	36.6	1	-	-	4	-	-			
			in foliation plane as discontinuous strikes.	36.6	39.6	100	3	-	-	<0.5		36.6	39.6	1	-	-	4	-	-			
				39.6	42.7	30	1	-	-	<0.5		39.6	42.7	1	2	-	4	-	-			
33.5	42.9	AND	ANDESITE SHATTERED																			
			Green-grey, foliated. Sections similar to 18.4 - 21.3 m with																			
			increasing mafics downhole similar to 24.4 - 30.5 m.																			
42.9	44.1	DYK	DYKE (ANDESITE?) VERY BROKEN	42.9	44.1	98	1	-	-	1		42.9	44.1	2	3	-	4	-	-			
			Light cream to grey. Pervasive sericite and carbonate.																			
			Chlorite varies. Carbonate also present locally as sub-																			
			parallel veinlets at 10°. Fine to coarse grained disseminated																			
			pyrite and pyrite in some of the carbonate veinlets. Chlorite																			
			as fine fractures and on foliation planes.																			
44.1	45.1	AND	ANDESITE SHATTERED	44.1	45.1	100	<0.5	1	2			44.1	45.1	1	1	-	4			44.0	46.0	70102
			Medium green-grey. Local patches of dust size dissemi-																			
			nated magnetite and also discrete very fine grain magnetite,																			
			locally up to 10%.																			
			Pervasive/veinlet carbonate.																			
			Traces of very fine grained chalcopyrite throughout.																			
45.1	45.7	DYK	DYKE (ANDESITE?)	45.1	45.7	100	<1	-	-	1		45.1	45.7	2	1	-	3	-	-			
			As from 42.9 to 44.1 m.																			

NORANDA EXPLORATION COMPANY LTD.

1=very weak 3=moderate 5=very strong
2=weak 4=strong

DATE COLLARED Aug2/94	DATE COMPLETED Aug 4/94	CORE SIZE BDBGM	DIP TESTS				PROPERTY KLIYUL	PROJECT NO. 548	N.T.S. No. 94D	GRID NORTH (W.R.T. TRUE)
FIELD CO-ORDINATES			DEPTH	BEARING		ANGLE			Sheet 3 of 12	MAGNETIC DECLINATION
LAT. 1870N	ELEV. 1750 m	DIP -70°	152.4	RECORDED	CORRECTED	RECORDED	CORRECTED	LAT.	ELEV.	DIP	HOLE No.	LOGGED BY L. ERDMAN
DEP. 2620E	LENGTH 152.4	BEARING 152.4		035		-70		DEP.	LENGTH	BEARING	NK-94-20	DATE: August 3 to 6 1994

FROM	TO	ROCK TYPE	DESCRIPTION	GEOTECH FROM	GEOTECH TO	% RECOVERY	% Py	% Cp	% Mt	% Po	Frac Dens	GEOCHEM FROM	GEOCHEM TO	Carb	Chlo	Ep	Ser	Sil	Gyp	ASSAY FROM	ASSAY TO	SAMPLE No.
45.7	51.2	AND	ANDESITE	45.7	51.2	-	2	1	1			45.7	51.2	1	1	-	4			46.0	51.8	70103
			Similar to 44.1 to 45.1 but with 2% medium grained	45.7	48.8	50																
			chalcopyrite at 45.8 and 46.8 m.	48.8	51.8	30																
51.2	51.9	RHY	RHYOLITE(?) DYKE	51.2	51.9	/ -	5	<0.5	-	2		51.2	51.9	1	-	-	4		-			
			Light grey-green, minor clear 1-2 mm quartz veinlets. Weak																			
			pervasive chlorite alteration. Bleached adjacent to quartz																			
			veinlets. Trace very fine grained disseminated chalcopyrite																			
			at 51.3 m. 0.5 cm carbonate and quartz-carbonate veins																			
			hosting medium grained pyrite.																			
			51.8 m Chalcopyrite in chlorite fractures.																			
51.9	53.8	AND	ANDESITE FELDSPAR PHYRIC SHATTERED	51.8	53.8	70	<0.5	-	2	-		51.8	54.9	3	2	1	4	-	-	51.8	54.9	70104
			Looks feldspar phyric, but core is very badly broken.																			
			Pervasive carbonate as well as fine fractures.																			
			No carbonate veinlets noted. Locally 5% disseminated																			
			magnetite, and dust-size patchy magnetite. More chloritic																			
			and less sericitic than previous magnetic interval (45.7 to																			
			51.2 m). Local pervasive epidote.																			
53.8	54.3	DAC	DACITE(?) TUFF SHATTERED	53.8	54.3	70	-	-	-	-	-	53.8	54.3	1	-	-	4	-	-			
			Grey-green colour, not magnetic, local pervasive carbonate.																			
			Very fine grained, with a "squashed" texture producing a																			
			fine foliation. Rare quartz eyes with "flow" lines around them.																			
54.3	54.9	AND	ANDESITE VOLCANICLASTIC	54.3	54.9	70	-	-	2	-		54.3	54.9	1	3	1	2	-	-			
			Dark green colour. Pervasive chlorite. Pervasive carbonate																			
			begins at 54.6 m. Overall 2% disseminated fine grained																			
			magnetite, locally 5%. Minor fine fractures and pervasive																			
			epidote.																			
54.9	57.9	AND	ANDESITE VOLCANICLASTIC SHATTERED	54.9	57.9	10	-	-	<0.5	-		54.9	57.9	1	3	1	2	-	-	54.9	61.0	70105
			Dark green colour. Similar to previous interval. Some																			
			pieces are magnetic, other pieces are not. Pervasive																			
			chlorite. Carbonate fine fractures. Feldspar to epidote.																			

NORANDA EXPLORATION COMPANY LTD.

1=very weak 2=weak 3=moderate 4=strong 5=very strong

DATE COLLARED Aug2/94	DATE COMPLETED Aug 4/94	CORE SIZE BDBGM	DIP TESTS				PROPERTY KLIYUL		PROJECT NO. 548		N.T.S. No. 94D	GRID NORTH (W.R.T. TRUE)
FIELD CO-ORDINATES		DEPTH	BEARING		ANGLE						Sheet 4 of 12	MAGNETIC DECLINATION
LAT. 1870N	ELEV. 1750 m	DIP -70°	152.4	RECORDED	CORRECTED	RECORDED	CORRECTED	LAT.	ELEV.	DIP		HOLE No.	LOGGED BY L. ERDMAN
DEP. 2620E	LENGTH 152.4	BEARING 035°		035		-70		DEP.	LENGTH	BEARING		NK-94-20	DATE: August 3 to 6 1994

				GEOTECH								GEOCHEM								ASSAY		
FROM	TO	ROCK TYPE	DESCRIPTION	FROM	TO	% RECOVERY	% Py	% Cp	% Mt	% Po	Frac Dens	FROM	TO	Carb	Chlo	Ep	Ser	Sil	Gyp	FROM	TO	SAMPLE No.
57.9	60.5	AND	ANDESITE SHATTERED	57.9	60.5	-	<0.5	-	<0.5	-		57.9	61.0	-	3	3	1	1	-			
			Dark green colour. Finely fractured epidote makes light	57.9	61.0	52																
			green lines. Core is too broken to determine any fracture																			
			direction. Carbonate as fine fractures. Non-magnetic																			
			except for 1 quarter-sized piece. Patchy, pervasive silica																			
			alteration from 57.9 to 58.4, host to <1% fine grained pyrite.																			
			Remainder of interval has not pyrite. Fine grained to epidote.																			
60.5	61.0	AND	ANDESITE SHATTERED	60.5	61	52	-	-	3	-		60.5	61.0	-	3	2	-	-	-			
			Dark green colour, pervasive chlorite, carbonate fine fractures																			
			epidote fine fractures, pyrite noted in one fracture. Some																			
			of the broken pieces are magnetic with 3% dust size																			
			patchy/banded magnetite. The magnetics seem to occur																			
			on chloritic fracture surfaces suggesting the magnetite is																			
			also a fracture fill.																			
61.0	61.6	MZ	MONZONITE SHATTERED	61.0	61.8	70	<0.5	-	-	-		61.0	64.0	-	-	-	-	-	-	61.0	64.0	70106
			Fine grained, light grey, mainly feldspar, some quartz,																			
			few mafics.																			
61.6	62.9	AND	ANDESITE SHATTERED	61.8	62.9	70	1	0.5	<0.5					1	2	2	3	-	-			
			Dark green, mafics are chloritized, local carbonate, finely																			
			fractured. <1% fine grained pyrite, locally 5% disseminated																			
			pyrite associated with mafics.																			
62.9	64.0	AND	ANDESITE SHATTERED	62.9	64.0	70	<0.5	0.5	3	-		62.9	64.0	1	3	2	3	-	-			
			Dark green, poorly defined foliation. Pervasive magnetite																			
			associated with chlorite forms dark blebs and ghosty																			
			patches. Trace very fine grained chalcopyrite, very fine																			
			grained to coarse grained pyrite. Pervasive chlorite,																			
			locally very strong.																			

NORANDA EXPLORATION COMPANY LTD.

1=very weak 2=weak 3=moderate 4=strong 5=very strong

DATE COLLARED Aug2/94	DATE COMPLETED Aug4/94	CORE SIZE BDBGM	DIP TESTS				PROPERTY KLIYUL		PROJECT NO. 548	N.T.S. No. 94D	GRID NORTH (W.R.T. TRUE)
FIELD CO-ORDINATES		DEPTH	BEARING		ANGLE					Sheet 5 of 12	MAGNETIC DECLINATION
LAT. 1870N	ELEV. 1750 m	DIP -70°	152.4	RECORDED	CORRECTED	RECORDED	CORRECTED	LAT.	ELEV.	DIP	HOLE No.	LOGGED BY L. ERDMAN
DEP. 2620E	LENGTH 152.4	BEARING 035°		035		-70		DEP.	LENGTH	BEARING	NK-94-20	DATE: August 3 to 6 1994

FROM	TO	ROCK TYPE	DESCRIPTION	GEOTECH FROM	GEOTECH TO	% RECO VERY	% Py	% Cp	% Mt	% Po	Frac Dens	GEOCHEM FROM	GEOCHEM TO	Carb	Chlo	Ep	Ser	Sil	Gy	ASSAY FROM	ASSAY TO	SAMPLE No.
64.0	70.4	AND	ANDESITE(?) VOLCANICLASTIC SHATTERED	64.0	67.1	95	0.5	-	-	<0.5		64.0	67.1	1	1	2	2	-	-	64.0	66.0	70107
			Medium to light grey green. Local silicification. Locally	67.1	70.1	95	2	-	-	-		67.1	70.1	1	1	2	2	1	-	66.0	68.0	70108
			pervasive and finely fractured epidote. Three sections of																	68.0	70.0	70109
			strongly epidotized rock at 66.8, 68.0 and 68.2.																			
			69.0 to 70.4 Chloritic section with pervasive and finely																			
			fractured carbonate, 3% fine grained pyrite.																			
			69.3 to 69.7 m. 7% medium to coarse grained or dissemi-																			
			nated and finely fractured pyrite associated with carbonate																			
			fine fractures. From 64.0 to 69.0 m <0.5% fine grained																			
			finely fractured pyrite. The entire interval is non-magnetic.																			
			Quartz eyes noted.																			
70.4	81.0	AND	ANDESITE FELDSPAR PHYRIC SHATTERED	70.1	73.1	60	<1		<0.5			70.1	73.1	1	2	2	3	-	-	70.0	73.0	70110
			Grey-green. Moderately sericitic feldspar phyric andesite.	73.1	76.2	22	<1		<0.5			73.1	76.2	1	2	2	3	-	-	73.0	79.0	70111
			Slightly larger pieces of core show. Feldspar phyric texture.	76.2	79.2	45	2		2			76.2	79.2	1	2	2	3	-	-	79.0	81.0	70112
			Local random, carbonate fine fractures. Mangetic intervals																			
			from 71.6 to 71.9, 72.3 to 72.5, 73.0 to 73.2 and 76.6 to																			
			79.4. Pyrite content varies from 0% to 2%, not associated																			
			with any particular alteration type, random pyrite is fine																			
			grained and disseminated. No pervasive carbonate.																			
			Locally sericite alteration is very strong, no chlorite. Local																			
			epidote fine fractures becoming intense down section.																			
			Minor alteration of feldspar to epidote.																			
81.0	83.1	AND	ANDESITE FELDSPAR PHYRIC SHATTERED	79.2	82.3	100	2	1	<0.5			79.2	82.3	1	2	1	4	-	-	81.0	82.3	70113
			Extremely broken. Dark green, pervasive sericite. 10% of																			
			core pieces contain trace amounts of very fine grained																			
			disseminated magnetite. At 82.5 m small (0.5 mm) "glob"																			
			off chalcopyrite in a 3 mm carbonate vein. 5 cm of magnetic																			
			rock on either side of the vein. Magnetite content <0.5%.																			
			2% fine grained pyrite throughout interval, varying from 0.5%																			
			to 4%. Minor fracture fill epidote.																			
			No pervasive carbonate alteration, chlorite blebs and finely																			
			fractured chlorite. Very fine grained chalcopyrite throughout.																			

NORANDA EXPLORATION COMPANY LTD.

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DATE COLLARED Aug2/94	DATE COMPLETED Aug 4/94	CORE SIZE BDBGM	DIP TESTS				PROPERTY KLIYUL		PROJECT NO. 548		N.T.S. No. 94D	GRID NORTH (W.R.T. TRUE)
FIELD CO-ORDINATES		DEPTH	BEARING		ANGLE						Sheet 6 of 12	MAGNETIC DECLINATION
LAT. 1870N	ELEV. 1750 m	DIP -70°	152.4	RECORDED	CORRECTED	RECORDED	CORRECTED	LAT.	ELEV.	DIP		HOLE No.	LOGGED BY L. ERDMAN
DEP. 2620E	LENGTH 152.4	BEARING 035°		035		-70		DEP.	LENGTH	BEARING		NK-94-20	DATE: August 3 to 6 1994

				GEOTECH								GEOCHEM								ASSAY		
FROM	TO	ROCK TYPE	DESCRIPTION	FROM	TO	% RECOVERY	% Py	% Cp	% Mt	% Po	Frac Dens	FROM	TO	Carb	Chlo	Ep	Ser	Sil	Gyp	FROM	TO	SAMPLE No.
83.1	95.0	AND	ANDESITE (FELDSPAR PHYRIC) SHATTERED	82.3	85.3	45	-	Tr	1	<0.5		82.3	85.3	1	1	2	4	-	-	82.3	85.3	70114
			Extremely broken as in previous interval. Dark green,	85.3	88.4	70	-	-	2	-		85.3	88.4	-	2	3	3	-	-	85.3	88.4	70115
			chloritic alteration pervasive. Pervasive epidote has	88.4	91.4	80	-	-	<1	-		88.4	96.4	-	2	3	3	-	-	88.4	91.0	70116
			increased from previous interval. Carbonate occurs as	91.4	94.5	70	-	-	<0.5	-		91.4	96.5	1	1	2	2	-	-	91.0	94.5	70117
			fracture fill, very rare. No visible pyrite. Magnetite																			
			occurs as fine grained, disseminations or as dust-size																			
			aggregates and bands(?). Magnetic interval from 84.4 to																			
			87.4 m, and 90.0 to 90.2 m. Local feldspar to epidote.																			
95.0	104.3	AND	ANDESITE (FELDSPAR PHYRIC) SHATTERED	94.5	97.5	85	-	-	4	-		94.5	97.5	-	1	2	4	-	-	94.5	96.5	70118
			As in previous interval but magnetite content has increased.	97.5	100.6	20	-	-	2	-		97.5	100.6	1	1	1	4			96.5	100.6	70119
			Carbonate fine fractures are rare. Magnetic sections from	100.6	103.6	95	-	-	4	<0.5		100.6	103.6	1	1	1	4			100.6	103.0	70120
			95.0 to 97.9, 100.6 to 103.6, and 104.1 to 104.3 m.	103.6	106.7	40	<0.5	-	-	-		103.0	106.7	-	1	-	4	-	-	103.0	107.0	70121
			Magnetite occurs as in previous interval.																			
104.3	106.7	AND	ANDESITE SHATTERED	103.6	106.7	40	<0.5	0.5	<0.5	-		103.6	106.7	3	1	-	4	-	-			
			Interval starts out as in previous interval but then the rock																			
			becomes waxy due to strong sericite alteration. Sericite																			
			begins at 106.4 in the core box but recovery was poor so																			
			may have started earlier. Moderate fine fractures and perva-																			
			sive carbonate in the sericitic section, non-magnetic. Very																			
			fine grained chalcopyrite noted in a few pieces.																			
106.7	107.8	AND	ANDESITE BROKEN TO SHATTERED	106.7	109.7	42	-	-	<1	4		106.7	109.7	3	2	-	4	-	-			
			Pervasive sericite gives a waxy appearance. Numerous																			
			carbonate veinlets and finely fractures. Chlorite on some of																			
			the fracture surfaces. Pervasive carbonate alteration. No																			
			pyrite. Some of the pieces are magnetic and host																			
			aggregates of dust-size magnetite.																			

NORANDA EXPLORATION COMPANY LTD.

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DATE COLLARED Aug2/94	DATE COMPLETED Aug 4/94	CORE SIZE BDBGM	DIP TESTS				PROPERTY KLIYUL		PROJECT NO. 548	N.T.S. No. 94D	GRID NORTH (W.R.T. TRUE)
FIELD CO-ORDINATES		DEPTH	BEARING		ANGLE					Sheet 7 of 12	MAGNETIC DECLINATION
LAT. 1870N	ELEV. 1750 m	DIP -70°	152.4	RECORDED	CORRECTED	RECORDED	CORRECTED	LAT.	ELEV.	DIP	HOLE No.	LOGGED BY L. ERDMAN
DEP. 2620E	LENGTH 152.4	BEARING 035°		035		-70		DEP.	LENGTH	BEARING	NK-94-20	DATE: August 3 to 6 1994

				GEOTECH								GEOCHEM								ASSAY		
FROM	TO	ROCK TYPE	DESCRIPTION	FROM	TO	% RECOVERY	% Py	% Cp	% Mt	% Po	Frac Dens	FROM	TO	Carb	Chlo	Ep	Ser	Sil	Gyp	FROM	TO	SAMPLE No.
107.8	110.7	DYK	DACITE DYKE	109.7	112.8	100	<0.5	<0.5	3	4	30	109.7	112.8	4	2	-	3	-	-	107	110	70122
			Light green-grey colour. Finely foliated. The rock appears																			
			to be more acidic and one quartz eye was noted. Not																			
			phyric textured. Foliation is parallel to CA and is defined by																			
			planes of chlorite/magnetite(?)																			
			110.7 to 110.9 m Intense carbonate veinlets have completely																			
			invaded the rock. Trace to medium grained pyrite associ-																			
			ated with the veinlets. Magnetic section starts at 110.3 m.																			
110.7	110.9	AND	ANDESITE(?) SHATTERED	110.7	110.9	100	1	<0.5	<0.5	1		110.7	110.9	3	4	1	2	-	-			
			Very chloritic, dark green, quartz-carbonate vein to 4 mm																			
			with epidote on selvage and 0.5% fine grained disseminated																			
			pyrite and trace chalcopyrite(?). <1% of the pieces are																			
			moderately magnetic.																			
110.9	113.3	DAC	DACITE ASHFLOW TUFF	110.9	113.3	100	2	-	<0.5	4	30	110.9	113.3	4	1	-	2	-	-	110	112	70123
			Light grey-green. Squashed devitrified glass shards. 3%																			
			quartz eyes observed, and within the foliation are stretched																			
			fragments. Fine grained pyrite ranges from 0-5%. Becomes																			
			more chloritic at 112.7 m, above this chlorite is of minor																			
			occurrence on foliation planes. One magnetic section																			
			(4 cm). 1% (2-3 mm) white dots/amygdules(?).																			
113.3	114.4	AND	ANDESITE(?) SHATTERED	113.3	114.4	100	<1	<0.5	<0.5	4		113.3	114.4	3	2	1	3	-	-	112	114.4	70124
			Pervasive sericite, carbonate veinlets and fine fractures,																			
			more rarely pervasive. Rare finely fractured epidote. Up to																			
			2% fine grained pyrite, disseminated chalcopyrite at one																			
			location. <1% of pieces are magnetic. Chalcopyrite in																			
			gypsum fractures.																			

NORANDA EXPLORATION COMPANY LTD.

1=very weak 2=weak 3=moderate 4=strong 5=very strong

DATE COLLARED Aug2/94	DATE COMPLETED Aug 4/94	CORE SIZE BDBGM	DIP TESTS				PROPERTY KLIYUL		PROJECT NO. 548	N.T.S. No. 94D	GRID NORTH (W.R.T. TRUE)
FIELD CO-ORDINATES		DEPTH	BEARING		ANGLE					Sheet 8 of 12	MAGNETIC DECLINATION
LAT. 1870N	ELEV. 1750 m	DIP -70°	152.4	RECORDED	CORRECTED	RECORDED	CORRECTED	LAT.	ELEV.	DIP	HOLE No.	LOGGED BY L. ERDMAN
DEP. 2620E	LENGTH 152.4	BEARING 035°		035		-70		DEP.	LENGTH	BEARING	NK-94-20	DATE: August 3 to 6, 1994

				GEOTECH								GEOCHEM								ASSAY		
FROM	TO	ROCK TYPE	DESCRIPTION	FROM	TO	% RECOVERY	% Py	% Cp	% Mt	% Po	Frac Dens	FROM	TO	Carb	Chlo	Ep	Ser	Sil	Gyp	FROM	TO	SAMPLE No.
114.4	119.8	AND	ANDESITE FELDSPAR PHYRIC	114.4	119.8	100	2	2	1	<1	25	114.4	119.8	1	2	2	4	-	2	114.4	116.0	70125
			Green-grey colour. Pervasive chlorite, sausseritized																	116.0	118.0	70126
			feldspar; locally feldspar going to epidote. Horsetailing																			
			microfractures, predominantly at 45° to CA but ranging from																			
			20° to 90°. Microfractures filled with clear gypsum. Epidote																			
			as fine fractures and locally as selvage on gypsum fractures.																			
			Minor gypsum fractures host pyrite. Rare carbonate as fine																			
			fractures. Sericite observed on fractured surface. Local																			
			veinlets to 8 mm of gypsum +/- quartz. Patchy areas of																			
			pervasive very fine grained disseminated magnetite. Pyrite																			
			+/- pyrrhotite occurs as disseminated blebs, rarely single																			
			crystals, also forming wisps and filling fractures. Chalco-																			
			pyrite in gypsum veinlets and as very fine grained dissemi-																			
			nations.																			
			115.5 to 115.7 m Quartz-chlorite-chalcopyrite vein at 45°																			
			to CA (3% chalcopyrite).																			
			115.8 m 1 cm quartz-gypsum vein with central band of																			
			chlorite-pyrrhotite.																			
			116 m 1 cm gypsum-epidote-pyrrhotite-chlorite-chalco-																			
			pyrite(?) vein at 90°. Epidote very fine grained (0.5%).																			
			Marginal to these latter 2 veins the rock is magnetic for a																			
			distance of up to 4 cm, no visible magnetite or pyrrhotite is																			
			observed.																			
			115.6 m 2 cm quartz-carbonate-gypsum-pyrite vein at 30°.																			
			115 m 4 mm quartz-gypsum-pyrite-pyrrhotite at 20°.																			
			114.5 m Quartz-chlorite-chalcopyrite vein parallel to CA																			
			(only get part of it) (0.5% chalcopyrite).																			
			116-116.7 m 0.5% very fine grained chalcopyrite in matrix,																			
			associated with gypsum.																			

NORANDA EXPLORATION COMPANY LTD.

1=very weak 2=weak 3=moderate 4=strong 5=very strong

DATE COLLARED Aug 2/94	DATE COMPLETED Aug 4/94	CORE SIZE BDBGM	DIP TESTS				PROPERTY KLIYUL		PROJECT NO. 548		N.T.S. No. 94D	GRID NORTH (W.R.T. TRUE)
FIELD CO-ORDINATES		DEPTH	BEARING		ANGLE						Sheet 9 of 12	MAGNETIC DECLINATION
LAT. 1870N	ELEV. 1750 m	DIP -70°	152.4	RECORDED	CORRECTED	RECORDED	CORRECTED	LAT.	ELEV.	DIP		HOLE No.	LOGGED BY L. ERDMAN
DEP. 2620E	LENGTH 152.4	BEARING 035°		035		-70		DEP.	LENGTH	BEARING		NK-94-20	DATE August 3 to 6, 1994

FROM	TO	ROCK TYPE	DESCRIPTION	GEOTECH FROM	GEOTECH TO	% RECOVERY	% Py	% Cp	% Mt	% Po	Frac Dens	GEOCHEM FROM	GEOCHEM TO	Carb	Chlo	Ep	Ser	Sil	Gyp	ASSAY FROM	ASSAY TO	SAMPLE No.
119.8	120.5	AND	ANDESITE(?)	119.8	120.5	100	1	-	-	-	15	119.8	120.5	2	-	-	3	-	4	118.0	120.0	70127
			Light grey colour. Pervasive sericite and gypsum(?) 2 cm																			
			vein of milky white gypsum and buff coloured carbonate at																			
			120.1 m at 10° to CA. Microfractures of gypsum as before,																			
			some hosting fine grained pyrite. Non-magnetic interval.																			
			Lower vein contact is indistinct and there appears to be a																			
			different (grey coloured) gypsum-pyrite vein invading the																			
			milky white gypsum vein.																			
120.5	122.0	AND	ANDESITE	120.5	122.0	100	<0.5	-	4	-	30	120.5	122.0	1	3	1	3	-	2	120.0	122.0	70128
			Dark green. Pervasive sericite/chlorite. Micro (gypsum)																			
			fractures as before at 45° to 50° to CA. Minor carbonate																			
			as fine fractures. Patchy magnetic areas as in interval from																			
			114.4 to 119.8 m but also 15% of interval hosts 20% very																			
			fine grained magnetite. Sericite on fractures.																			
			120.6 m 5 mm gypsum vein with 1% medium grained																			
			magnetite and 0.5% fine grained pyrite at 30° to CA.																			
122.0	133.1	AND	ANDESITE FELDSPAR PHYRIC	122.0	133.1	100	2	1	5	1	30	122.0	133.1	1	2	2	2	-	3	122.0	124.0	70129
			Medium green. Microfractures as in previous sections.																	124.0	126.0	70130
			Appears brecciated (crackle breccia) and healed by gypsum																	126.0	128.0	70131
			veinlets/fractures. Local pervasive epidote. Pervasive																	128.0	130.0	70132
			sericite. Rare carbonate as fine fractures, <0.5% veining.																	130.0	132.0	70133
			125.3 to 125.9 m, 126 to 126.3 m and 128.2 to 128.6 m:																			
			Stockwork 1 mm to 3 mm gypsum veinlets with pervasive																			
			disseminated magnetite +/- pyrite (pyrrhotite). The core																			
			adjacent to the veined area is more gypsum flooded and has																			
			2% of very fine grained chalcopyrite.																			
			130.7 m 4 mm quartz-pyrite-magnetite veinlets at 35° to																			
			CA.																			
			131.6 to 131.8 m Stockwork gypsum veinlets with very fine																			
			grained pervasive magnetite. 1% disseminated pyrite																			
			(pyrrhotite) in this section.																			
			132.6 to 133.1 m Similar to 131.6 to 131.8 m. Patchy																			
			magnetite as observed before but also small disseminated																			

NORANDA EXPLORATION COMPANY LTD.

1=very weak 2=weak 3=moderate 4=strong 5=very strong

DATE COLLARED Aug2/94	DATE COMPLETED Aug 4/94	CORE SIZE BDBGM	DIP TESTS				PROPERTY KLIYUL		PROJECT NO. 548		N.T.S. No. 94D	GRID NORTH (W.R.T. TRUE)
FIELD CO-ORDINATES		DEPTH	BEARING		ANGLE						Sheet 10 of 12	MAGNETIC DECLINATION
LAT. 1870N	ELEV. 1750 m	DIP -70°	152.4	RECORDED	CORRECTED	RECORDED	CORRECTED	LAT.	ELEV.	DIP		HOLE No.	LOGGED BY L. ERDMAN
DEP. 2620E	LENGTH 152.4	BEARING 035°		035		-70		DEP.	LENGTH	BEARING		NK-94-20	DATE: August 3 to 6 1994

				GEOTECH				GEOCHEM										ASSAY		
FROM	TO	ROCK TYPE	DESCRIPTION	FROM	TO	% RECOVERY	% Py	% Cp	% Mt	% Po	Frac Dens	FROM	TO	Carb	Chlo	Ep	Ser	Sil	Gyp	FROM	TO	SAMPLE No.
			magnetite blebs of <2 mm. Magnetite content varies																			
			throughout from 0% to 70%, however sections with greater																			
			than 5% are localized to veins and fractures, or to fuzzy																			
			areas of <1 cm in size.																			
			130 to 130.1 m Stronger sericitization gives section a light																			
			green colour.																			
133.1	134.4	DYK	DACITE DYKE(?)	133.1	134.4	100	2	<0.5	1	-	25	133.1	134.4	-	-	-	4	-	2	132	134	70134
			Lighter grey colour with strong pervasive sericite. Foliated																			
			at 100° to CA. Upper contact at 30°, lower contact																			
			gradational. Possible very fine grained chalcopyrite																			
			associated with disseminated pyrite. Pyrite is fine grained																			
			and also occurs in gypsum fractures, 2%-5%. Locally																			
			magnetic with small blebs of (<3 mm) disseminated magne-																			
			tite or magnetite in gypsum microfractures.																			
134.4	138.6	AND	ANDESITE FELDSPAR PHYRIC	134.4	138.6	100	1	50.5	7	-	20	134.4	138.6	-	2	3	2	-	3	134	136	70135
			Dark green, pervasive sericite/gypsum, local pervasive																	136	138	70136
			epidote and minor epidote as fine fractures. Similar to																			
			interval from 122.0 to 133.1 m but more magnetic. Patchy																			
			magnetite as before but also 40% of the interval hosts 15%																			
			very fine grained magnetite. Feldspar going to epodite.																			
			Fine grained pyrite . Local sericite flooding. Feldspar to																			
			epidote gives a spotty appearance.																			
			137.9 m - 1 cm quartz vein hosting 20% fine grained pyrite.																			
			Possible chalcopyrite associated with the pyrite. 10° to CA.																			

NORANDA EXPLORATION COMPANY LTD.

1=very weak 2=weak 3=moderate 4=strong 5=very strong

DATE COLLARED Aug2/94	DATE COMPLETED Aug 4/94	CORE SIZE BDBGM	DIP TESTS				PROPERTY KLIYUL		PROJECT NO. 548	N.T.S. No. 94D	GRID NORTH (W.R.T. TRUE)
FIELD CO-ORDINATES		DEPTH	BEARING		ANGLE					Sheet 11 of 12	MAGNETIC DECLINATION
LAT. 1870N	ELEV. 1750 m	DIP -70°	152.4	RECORDED	CORRECTED	RECORDED	CORRECTED	LAT.	ELEV.	DIP	HOLE No.	LOGGED BY L. ERDMAN
DEP. 2620E	LENGTH 152.4	BEARING 035°		035		-70		DEP.	LENGTH	BEARING	NK-94-20	DATE: August 3 to 6 1994

				GEOTECH								GEOCHEM								ASSAY		
FROM	TO	ROCK TYPE	DESCRIPTION	FROM	TO	% RECOVERY	% Py	% Cp	% Mt	% Po	Frac Dens	FROM	TO	Carb	Chlo	Ep	Ser	Sil	Gyp	FROM	TO	SAMPLE No.
138.6	141.8	AND	ANDESITE FELDSPAR PHYRIC	138.6	141.8	100	<1	<1	5	-	10	138.6	141.8	-	2	1	4	-	2	138	140	70137
			Similar to previous interval but not mottled and fracture																	140	142	70138
			density is less. Minor epidote as fine fractures. Gypsum																			
			microfractures as before with fine grained magnetite on some																			
			of the margins. Rare isolate specks of chalcopyrite(?)																			
			hosted by gypsum fragments.																			
			Locally 20% very fine grained magnetite, not patchy as																			
			before but in continuous 4 cm to 5 cm sections. Fine																			
			grained pyrite occurs on selvages of gypsum fractures and is																			
			rarely (<1%) disseminated within the matrix.																			
			141.6 m - 3 mm gypsum-sericite-magnetite veinlet at 30° to																			
			CA.																			
141.8	145.7	AND	ANDESITE FELDSPAR PHYRIC	141.8	145.7	100	3	<1	20	<0.5	20	141.8	145.7	-	1	1	4	-	2	142	144	70139
			Green-grey, pervasive sericite, sausseritized feldspar.																	144	146	70140
			Mottled appearance, local epidote veinlets and patchy																			
			epidote. Pyrite content increases from <1 at top of interval																			
			to 20% down the hole. Chalcopyrite(?) specks intimately																			
			associated with the pyrite.																			
			142.37 to 142.47 m Gypsum-magnetite-pyrite-chlorite																			
			flooded section with 15% fine grained pyrite (trace pyrrhotite)																			
			10% magnetite.																			
			143.9 to 144.2 m More sericitic within gypsum +/- magne-																			
			tite +/- pyrite microfractures and 2 veinlets at 10° to CA.																			
			Chalcopyrite in the gypsum microfractures and associated																			
			with the pyrite in the gypsum-pyrite microfractures.																			
			144.9 - 145.3 m Gypsum veined section at 30° to CA.																			
			Minor 0.5 cm quartz veins cut the gypsum, also at 30°																			
			to CA. Siliceous patches with 10% very fine grained pyrite																			
			(pyrrhotite)-chalcopyrite clustered along their margins.																			
			The quartz veins have very fine grained magnetite margins																			
			(2 mm width).																			

NORANDA EXPLORATION COMPANY LTD.

1=very weak 2=weak 3=moderate 4=strong 5=very strong

DATE COLLARED Aug 2/94	DATE COMPLETED Aug 4/94	CORE SIZE BDBGM	DIP TESTS				PROPERTY KLIYUL		PROJECT NO. 548		N.T.S. No. 94D	GRID NORTH (W.R.T. TRUE)
FIELD CO-ORDINATES		DEPTH	BEARING		ANGLE						Sheet 12 of 12	MAGNETIC DECLINATION
LAT. 1870N	ELEV. 1750 m	DIP -70°	152.4	RECORDED	CORRECTED	RECORDED	CORRECTED	LAT.	ELEV.	DIP		HOLE No.	LOGGED BY L. ERDMAN
DEP. 2620E	LENGTH 152.4	BEARING 035°		035		-70		DEP.	LENGTH	BEARING		NK-94-20	DATE: August 3 to 6, 1994

				GEOTECH									GEOCHEM								ASSAY		
FROM	TO	ROCK TYPE	DESCRIPTION	FROM	TO	% RECOVERY	% Py	% Cp	% Mt	% Po	Frac Dens	FROM	TO	Carb	Chlo	Ep	Ser	Sil	Gyp	FROM	TO	SAMPLE No.
145.7	148.6	AND	ANDESITE	145.7	148.6		2	<0.5	1	-	30	145.7	148.6	-	2	1	4	-	2	146	148	70141
			Light green to light green-grey. Crackle breccia. Pervasive sericite/chlorite. Local pervasive epidote, 2% fine grained pyrite ranging up to 5% locally and rarely <0.5%. Magnetic sections are rare, only 2% overall. Locally patchy areas of 60% disseminated magnetite but the magnetite is primarily associated with the microfractures. 148.4 m Gypsum with 10% fine grained pyrite in a vein at 40° to CA. Offset left laterally 1 cm up hole by a micro-fracture. Possible chalcopyrite(?) associated with the pyrite.																			
148.6	150.4	AND	ANDESITE FELDSPAR PHYRIC	148.6	150.4	100	3	<1	20	<0.5	20	148.6	150.4	-	3	2	4	-	2	148	150	70142
			As in previous section but not as brecciated. Similar to 141.8 to 145.7 m.																			
150.4	151.3	AND	ANDESITE	150.4	151.3	100	2	<0.5	1	-	30	150.4	151.3	-	2	1	4	-	2	150	152.4	70143
			Similar to 145.7 to 148.6 m. Chalcopyrite bleb in quartz fracture at 151.1 m.																			
151.5	152.0	DYK	ANDESITE DYKE	151.3	152.0	100	1	-	5	-	5	151.3	152.0	-	4	3	-	-	2			
			Dark green, fine grained. Chloritic, 10% patchy quartz + epidote "veins" at 40° to CA. These host disseminated magnetite and have pyrite on margins. Upper contact 45°, lower contact 20% gypsum microfractures. Very fine grained magnetite in the chloritic section of the dyke.																			
152.0	152.4	AND	ANDESITE	152.0	152.4	100	<0.5	-	3	-	15	152.0	152.4	-	2	3	3	1	2			
			Similar to 145.7 to 148.6 m. Silicified section for 20 cm at beginning hosts 20% fine grained magnetite and 20% epidote microfractures. Pervasive chlorite/sericite, brecciated then healed.																			

NORANDA EXPLORATION COMPANY LTD.

1=very weak 2=weak 3=moderate 4=strong 5=very strong

DATE COLLARED Aug 4/94	DATE COMPLETED Aug 6/94	CORE SIZE BDBGM	DIP TESTS				PROPERTY KLIYUL		PROJECT NO. 548		N.T.S. No. 94D/9	GRID NORTH (W.R.T. TRUE)
FIELD CO-ORDINATES		DEPTH	BEARING		ANGLE						SHEET 1 OF 9	MAGNETIC DECLINATION
LAT. 1845N	ELEV. 1750 m	DIP -70°	125 m	RECORDED	CORRECTED	RECORDED	CORRECTED	LAT.	ELEV.	DIP	HOLE No.	LOGGED BY L. ERDMAN
DEP. 2720E	LENGTH	BEARING 035°						DEP.	LENGTH	BEARING	NK-94-21	DATE: August 6, 1994

				GEOTECH								GEOCHEM								ASSAY		
FROM	TO	ROCK TYPE	DESCRIPTION	FROM	TO	% RECOVERY	% Py	% Cp	% Mt	% Po	Frac Dens	FROM	TO	Carb	Chlor	Ep	Ser	Sil	Gyp	FROM	TO	SAMPLE No.
0	12.3	OB	OVERBURDEN	6.1	9.1	33																
				9.1	12.2	63																
12.3	39.6	AND	ANDESITE (FELDSPAR PHYRIC) WELL BROKEN	12.2	15.2	47	10	<0.5	-	-		12.3	39.6	1	2	-	4	-	-	18.3	21.3	70146
			Green-grey, foliated with foliations subparallel to C.A.	15.2	18.3	100														36.6	39.6	70147
			Carbonate fracture fill (rare). Pervasive sericite, chlorite	18.3	21.3	100																
			along foliation planes. 3% medium grained pyrite in planes	21.3	24.4	43																
			of foliation. Pyrite content varies from <1% to 15%.	24.4	23.4	53																
			Sericite content varies from moderate to strong (3-4), but	27.4	30.5	30																
			overall it is moderate. Slightly more chloritic sections have	30.5	33.5	60																
			lens intense sericite. Elongated chloritic "blebs" in plane of	33.5	36.6	95																
			foliation. Possible very fine grained chalcopyrite in a few of	36.6	39.6	80																
			the fragments.																			
39.6	44.8	AND	ANDESITE (FELDSPAR PHYRIC) WELL BROKEN	39.6	42.7	47	7	2	-	-		39.6	49.8	-	2	-	4	-	-	39.6	45.7	70144
			Dark green, pervasive sericite/chlorite, 7% fine grained	42.7	45.7	30																
			pyrite. Very fine grained chalcopyrite is associated with																			
			some of the pyrite, slightly yellower in colour. Foliated but																			
			chloritic "blebs" are more rare than above interval.																			
44.8	45.4	DAC	DACITE DYKE (?) SHATTERED	44.8	45.4	X	3	-	-	-		44.8	45.4	-	-	-	5	-	-			
			Grey-green colour, waxy surface, completely sericitized.																			
			Fine to medium cubic silvery pyrite, disseminated. Fault																			
			gouge at 45.4 m marks bottom of unit.																			
45.4	52.5	AND	ANDESITE WELL BROKEN	45.4	52.5	X	3	-	-	-		45.4	52.5	2	1	-	4	-	-			
			Dark apple green colour, more sericitic, less chloritic than at	45.7	48.8	100																
			beginning of hole. Folations not as well defined but still	48.8	51.8	100																
			parallel to C.A. 1-5% medium grained pyrite, averaging 3%																			
			carbonate fracture fill increases at 48.5 m. Fault gouge																			
			at 51.7 m, no sulfides.																			

NORANDA EXPLORATION COMPANY LTD.

1=very weak 3=moderate 5=very strong
2=weak 4=strong

DATE COLLARED Aug 4/94	DATE COMPLETED Aug 6/94	CORE SIZE BDBGM	DIP TESTS	PROPERTY KLIYUL	PROJECT NO. 548	N.T.S. No. 94D/9
FIELD CO-ORDINATES			DEPTH / BEARING (RECORDED, CORRECTED) / ANGLE (RECORDED, CORRECTED)			SHEET 2 OF 9
LAT. 1845N	ELEV. 1750 m	DIP -70°	125 m	LAT. / ELEV.	DIP	HOLE No. NK-94-21
DEP. 2720E	LENGTH	BEARING 035°		DEP. / LENGTH	BEARING	

GRID NORTH (W.R.T. TRUE)
MAGNETIC DECLINATION
LOGGED BY L. ERDMAN
DATE: August 6, 1994

				GEOTECH								GEOCHEM								ASSAY		
FROM	TO	ROCK TYPE	DESCRIPTION	FROM	TO	% RECOVERY	% Py	% Cp	% Mt	% Po	Frac Dens	FROM	TO	Carb	Chlor	Ep	Ser	Sil	Gyp	FROM	TO	SAMPLE No.
52.5	64.2	AND	ANDESITE (FELDSPAR PHYRIC) WELL BROKEN	52.5	64.2	X	3	-	-	-		52.5	64.2	2	2	-	3	-	-	54.9	57.9	70148
			Green-grey, feldspar easily visible, less sericite than	51.8	54.9	100																
			previous interval. By 60.5 m carbonate becomes pervasive	54.9	57.9	100																
			along foliation. Pervasive chloritization of mafics. "Dotted"	57.9	61.0	80																
			texture.	61.0	64.0	100																
64.2	65.6	AND	ANDESITE SHATTERED	64.2	65.6	100	2	<0.5	-	-		64.2	65.6	2	-	-	3	-	-			
			Darker apple green, pervasive sericite, no chlorite. 2%																			
			fine grained cubic disseminated pyrite, trace of yellower																			
			sulfide which may be chalcopyrite(?). Finely foliated.																			
65.6	76.55	AND	ANDESITE SHATTERED	65.6	76.55	X	2	-	2	-		65.6	76.55	3	1	-	4	-	-	67.1	70.1	70149
			Interval varies from strongly sericitic to more chloritic.	64.0	67.0	100														70.1	76.8	70150
			Foliated to 73.15 m. Pervasive carbonates becoming more	67.0	70.1	23																
			intense. 2 cm fault gouge at 67.9 m, 40 cm fault gouge	70.1	73.1	8																
			from 69.2 to 69.6 m. Chloritic from 65.8 to 65.95 m, 66.25																			
			to 66.6 m, and 73.4 to 76.55 m. Very fine grained to fine																			
			grained pyrite varies from 1-7%, the higher percentages																			
			occurring in the more chloritic intervals. Bottom of interval																			
			has disseminated magnetite blebs.																			
			6.6 m 0.5% disseminated chalcopyrite in quartz vein.																			
76.55	76.8	AND	ANDESITE SHATTERED	76.55	76.8	X	2	3	2	-		76.55	76.88	2	1	3	3	-	-			
			Dark green, mafics to chlorite, fracture filled and pervasive	73.1	76.2	20																
			epidote. Fracture filled pyrite, locally occurring with	76.2	79.2	100																
			epidote. Fine grained pyrite and pyrite-carbonate veinlets																			
			(broken fragments observed). Disseminated pyrite (1%),																			
			pyrite in veinlets up to 10%.																			
			Fine grained chalcopyrite associated with pyrite, magnetite																			
			blebs and fracture fills.																			

NORANDA EXPLORATION COMPANY LTD.

1=very weak 2=weak 3=moderate 4=strong 5=very strong

DATE COLLARED Aug 4/94	DATE COMPLETED Aug 6/94	CORE SIZE BDBGM	DIP TESTS	PROPERTY KLIYUL	PROJECT NO. 548	N.T.S. No. 94D/9	GRID NORTH (W.R.T. TRUE)
	FIELD CO-ORDINATES		DEPTH / BEARING (RECORDED, CORRECTED) / ANGLE (RECORDED, CORRECTED)			SHEET 3 OF 9	MAGNETIC DECLINATION
LAT. 1845N	ELEV. 1750 m	DIP -70°	125 m	LAT. / ELEV.	DIP	HOLE No. NK-94-21	LOGGED BY L. ERDMAN
DEP. 2720E	LENGTH	BEARING 035°		DEP. / LENGTH	BEARING		DATE: August 6, 1994

FROM	TO	ROCK TYPE	DESCRIPTION	GEOTECH FROM	GEOTECH TO	% RECOVERY	% Py	% Cp	% Mt	% Po	Frac Dens	GEOCHEM FROM	GEOCHEM TO	Carb	Chlor	Ep	Ser	Sil	Gyp	ASSAY FROM	ASSAY TO	SAMPLE No.
76.80	80.0	AND	ANDESITE	76.8	79.6	100	1	-	5	-	5	76.8	79.6	1	2	2	3	-	1	76.8	78.8	70151
			First interval of competent core. Medium grey-green in																	78.8	80.0	70152
			colour with weak pervasive and fracture fill epidote.																			
			Epidote fractures at 45°. No carbonate fracture fill.																			
			Fractures in all directions, gypsum filled. Locally gypsum																			
			veinlets (1-2 mm) at 20° to C.A. Pervasive chlorite. Quartz																			
			veinlets with up to 20% fine grained pyrite on margins.																			
			Pyrite also occurs on margins of gypsum veinlets. Approx-																			
			imately 40% of interval contains very fine grained dissemi-																			
			nated magnetite (10-15%) forming magnetite sections of																			
			2 cm to 7 cm in length.																			
			79.6 m - 1 cm quartz vein at 50° to C.A. Strong dissemi-																			
			nated magnetite (20%) in host rock marginal to vein.																			
			79.9 to 80.0 m - Epidote (50%) - carbonate (40%) - chlorite																			
			(10%) "vein" with lower contact at 45° to CA. No sulfides.																			
80.0	82.3	AND	ANDESITE	80.0	82.3	100	1	0.5	5	<0.5	15	80.0	82.3	2	3	2	3	-	1	80.0	82.0	70153
			Medium grey-green colour, pervasive chlorite, weak pervasive																			
			epidote and local epidote fracture fill. Horsetailing																			
			fractures at 45° to CA, also other fractures in various																			
			orientations. Fractures filled with gypsum. Carbonate +/-																			
			gypsum veinlets (5%) at 60° to 80° to CA.																			
			81.25 m - Quartz vein (5 mm) with 5% fine grained dissemi-																			
			nated pyrite and trace chalcopyrite 45° to CA.																			
			81.9 to 82.0 m - Carbonate-chlorite-pyrite (pyrrhotite) (30%)																			
			- gypsum quartz vein @ 45° to CA.																			
			Local fine grained pyrite in trace amounts .																			
			Approximately 50% of interval is magnetic with ubiquitous																			
			fine grained magnetite in amounts from 5% to 20%. Local																			
			areas (<1%) <0.5 cm of over 80% magnetite.																			
			Chlorite as fracture fill and mafics altering to chlorite.																			

NORANDA EXPLORATION COMPANY LTD.

1=very weak 2=weak 3=moderate 4=strong 5=very strong

DATE COLLARED Aug 4/94	DATE COMPLETED Aug 6/94	CORE SIZE BDBGM	DIP TESTS				PROPERTY KLIYUL		PROJECT NO. 548		N.T.S. No. 94D/9	GRID NORTH (W.R.T. TRUE)
FIELD CO-ORDINATES		DEPTH	BEARING		ANGLE						SHEET 4 OF 9	MAGNETIC DECLINATION
LAT. 1845N	ELEV. 1750 m	DIP -70°	125 m	RECORDED	CORRECTED	RECORDED	CORRECTED	LAT.	ELEV.	DIP	HOLE No.	LOGGED BY L. ERDMAN
DEP. 2720E	LENGTH	BEARING 035°						DEP.	LENGTH	BEARING	NK-94-21	DATE: August 6, 1994

				GEOTECH								GEOCHEM								ASSAY		
FROM	TO	ROCK TYPE	DESCRIPTION	FROM	TO	% RECOVERY	% Py	% Cp	% Mt	% Po	Frac Dens	FROM	TO	Carb	Chlor	Ep	Ser	Sil	Gyp	FROM	TO	SAMPLE No.
82.3	82.5	AND	ANDESITE	82.3	82.5	100	-	-	2	-	15	82.3	82.5	2	1	-	4	-	1			
			Medium grey-green horsetailing fractures at 55° to CA,																			
			filled with gypsum.																			
			Gypsum - magnetite veinlet at 45° to CA at 83.1 m.																			
			Rare disseminated pyrite.																			
			Carbonate as fracture fill.																			
82.5	99.2	AND	ANDESITE	82.5	99.2	100	<1	1	10	-	30	82.5	99.2	3	2	2	3	-	2	82	84	70154
			Medium grey-green, unfoliated, local sections of strong																	84	86	70155
			sericitization but overall sericite is moderate. Carbonate																	86	88	70156
			veinlets (1 mm) at 45° to CA. Minor epidote as fracture																	88	90	70157
			fill at 45° to CA. Weak pervasive epidote. Fractures																	90	92	70158
			at all directions so that some sections display a crackle																	92	94	70159
			breccia texture. Many fractures at 30° to 50° to CA. Rare																	94	96	70160
			disseminated chalcopyrite associated with gypsum fractures																	96	98	70161
			(96 m) and on selvages of gypsum fractures. Fractures																	98	100	70162
			locally horsetail but this is not a pronounced feature.																			
			Magnetite in patchy areas and fractures (80% magnetite),																			
			and approximately 50% of the core has 5%-10% very fine																			
			grained disseminated magnetite .																			
			85.0 to 85.4 m - Section has 20% magnetite disseminated																			
			throughout and also 5% quartz-magnetite veinlets (70%																			
			magnetite).																			
			Minor pervasive carbonate adjacent to carbonate veinlets.																			
			90.7 m - 1 cm quartz-chlorite vein at 25° to C.A. Minor																			
			gypsum.																			
			96.4 to 96.6 m - Silicified interval with central gypsum vein																			
			(1cm), quartz margins (1 cm) and paler green silicified host																			
			rock outward from quartz margins. Upper contact at 45°,																			
			lower contact at 40°. 25% disseminated magnetite within																			
			the quartz rich margins, but not in the siliceous host rock.																			
			97.2 m - 10 cm interval similar to above but central vein																			
			and margin are only 0.5 cm thick.																			

NORANDA EXPLORATION COMPANY LTD.

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DATE COLLARED Aug 4/94	DATE COMPLETED Aug 6/94	CORE SIZE BDBGM	DIP TESTS				PROPERTY KLIYUL	PROJECT NO. 548	N.T.S. No. 94D/9	GRID NORTH (W.R.T. TRUE)
FIELD CO-ORDINATES			DEPTH	BEARING		ANGLE			SHEET 5 OF 9	MAGNETIC DECLINATION
LAT. 1845N	ELEV. 1750 m	DIP -70°	125 m	RECORDED	CORRECTED	RECORDED	CORRECTED	LAT. / ELEV. / DIP	HOLE No.	LOGGED BY L. ERDMAN
DEP. 2720E	LENGTH	BEARING 035°						DEP. / LENGTH / BEARING	NK-94-21	DATE: August 6, 1994

FROM	TO	ROCK TYPE	DESCRIPTION	GEOTECH FROM	TO	% RECOVERY	% Py	% Cp	% Mt	% Po	Frac Dens	GEOCHEM FROM	TO	Carb	Chlor	Ep	Ser	Sil	Gyp	ASSAY FROM	TO	SAMPLE No.
			96.1 m to end of interval. Two distinct fracture directions																			
			at 45° and 130/135° (3% density). These are 1 mm (thicker																			
			than the gypsum fractures) and filled with gypsum +/-																			
			carbonate.																			
			Crackle breccia texture with "fragments" <1 mm to 1 mm,																			
			some to 4 mm.																			
			<1% pyrite, along margins of carbonate, carbonate/gypsum																			
			gypsum, or epidote fractures/veinlets. Rarely disseminated																			
			in host rock.																			
99.2	107.5	AND	ANDESITE	99.2	107.5	100	1	2	15	-	35	99.2	107.5	2	2	1	4	-	2	100	102	70163
			Interval starts with a strong sericitic section (10 cm) with																	102	104	70164
			a 4 mm magnetite vein in center at 50° to C.A. Appears																	104	106	70165
			similar to previous interval but a greater abundance of																	106	108	70166
			gypsum +/- carbonate veinlets still at same orientation																			
			as previous (7% density). More magnetic throughout and																			
			more magnetite fractures/veinlets (2%) observed than in																			
			previous sections. Pervasive epidote/chlorite.																			
			103.9 m - Quartz-pyrite-magnetite vein at 60° to CA (1 cm).																			
			Pyrite on margins and disseminated (10%) but part of the																			
			vein has a 2 mm magnetite margin (trace pyrite in the																			
			magnetite).																			
			Most of the interval carries only traces of fine grained pyrite,																			
			except where noted below.																			
			100.3 to 101.9 m - More sericitic but still moderately																			
			chloritized. Fracture density has increased to 50% and rock																			
			has a crackle breccia texture. Pyrite blebs of very fine																			
			grained pyrite in fracture "blowouts" (overall 5% pyrite).																			
			Magnetite in many of the fractures (30° to CA) (20%																			
			magnetite in total). 2% fine grained chalcopyrite in fractures.																			
			105.6 m - 3% dissemined chalcopyrite.																			
			At contact with dyke below is a quartz-magnetite vein (30%																			
			disseminated magnetite) and 20% fine grained pyrite away																			
			from the magnetite. Possible chalcopyrite (rare) with																			
			magnetite.																			

NORANDA EXPLORATION COMPANY LTD.

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DATE COLLARED Aug 4/94	DATE COMPLETED Aug 6/94	CORE SIZE BDBGM	DIP TESTS				PROPERTY KLIYUL		PROJECT NO. 548		N.T.S. No. 94D/9	GRID NORTH (W.R.T. TRUE)
FIELD CO-ORDINATES		DEPTH	BEARING		ANGLE						SHEET 6 OF 9	MAGNETIC DECLINATION
LAT. 1845N	ELEV. 1750 m	DIP -70°	125 m	RECORDED	CORRECTED	RECORDED	CORRECTED	LAT.	ELEV.	DIP		HOLE No.	LOGGED BY L. ERDMAN
DEP. 2720E	LENGTH	BEARING 035°						DEP.	LENGTH	BEARING		NK-94-21	DATE: August 6, 1994

FROM	TO	ROCK TYPE	DESCRIPTION	GEOTECH FROM	GEOTECH TO	% RECOVERY	% Py	% Cp	% Mt	% Po	Frac Dens	GEOCHEM FROM	GEOCHEM TO	Carb	Chlor	Ep	Ser	Sil	Gyp	ASSAY FROM	ASSAY TO	SAMPLE No.
107.5	108.8	DYK	ANDESITE DYKE	107.5	108.8	100	-	-	-	-	-	107.5	108.8	1	1	1	1	-	-			
			Upper contact @ 35°.																			
			Lower contact broken (but may be 45°). Green-grey,																			
			pervasive chlorite/epidote carbonate fracture fill, no																			
			pyrite. Carbonate veinlets (1-2 mm) at 50° and 140° to CA.																			
			(1% density).																			
108.8	111.3	AND	ANDESITE	108.8	111.3		3	3	20	-	35	108.8	111.3	-	-	-	1	1	4	108	110	70167
			Grey/green colour. Flooding by gypsum with local																	110	112	70168
			silicified sections. No carbonate. Sericite on fractures.																			
			Gypsum flooded sections of core appear brecciated, swirly																			
			texture with "fragments" to 2 cm. 30% magnetite in the																			
			flooded sections, forming wisps and ghosty areas. Up to																			
			7% fine grained sulfides in the flooded sections of which 3%																			
			is chalcopyrite (very fine grained and associated with																			
			pyrite). More sericitic sections of this interval have 2%																			
			pyrite (no chalcopyrite), disseminated and on margins of																			
			gypsum veinlets. Minor horsetailing of these veinlets at 30°																			
			to CA but in general veinlets and fractures are at 30° to 50°																			
			to CA. 60% of chloritic sections have 10% very fine grained																			
			magnetite.																			
111.3	114.6	AND	ANDESITE	111.3	114.6	100	2	<0.5	4	-	30	111.3	114.6	1	2	1	4	1	1	112	114	70169
			Medium green/grey, similar to the interval 99.2 to 107.5 m																			
			but overall less magnetic sections. Pyrite occurs on																			
			margins of gypsum filled fractures and 1% disseminated in																			
			matrix adjacent to fractures. Interval becomes more intense-																			
			ly chloritized towards bottom of interval. Carbonate veinlets																			
			(<1 mm) at 25° and 160° to CA are predominant but also																			
			see similar veinlets at various other angles. Pervasive																			
			sericite in plane of foliation (parallel to CA). Gypsum filled																			
			microfractures, also carbonate fracture filled.																			

NORANDA EXPLORATION COMPANY LTD.

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DATE COLLARED Aug 4/94	DATE COMPLETED Aug 6/94	CORE SIZE BDBGM	DIP TESTS				PROPERTY KLIYUL		PROJECT NO. 548		N.T.S. No. 94D/9	GRID NORTH (W.R.T. TRUE)
FIELD CO-ORDINATES		DEPTH	BEARING		ANGLE						SHEET 7 OF 9	MAGNETIC DECLINATION
LAT. 1845N	ELEV. 1750 m	DIP -70°	125 m	RECORDED	CORRECTED	RECORDED	CORRECTED	LAT.	ELEV.	DIP	HOLE No.	LOGGED BY L. ERDMAN
DEP. 2720E	LENGTH	BEARING 035°						DEP.	LENGTH	BEARING	NK-94-21	DATE: August 6, 1994

				GEOTECH								GEOCHEM								ASSAY		
FROM	TO	ROCK TYPE	DESCRIPTION	FROM	TO	% RECOVERY	% Py	% Cp	% Mt	% Po	Frac Dens	FROM	TO	Carb	Chlor	Ep	Ser	Sil	Gyp	FROM	TO	SAMPLE No.
			113.7 to 114.0 m - Looks brecciated from fracturing.																			
			Silica/pyrite (30% disseminated) flooding with 20-80% very																			
			fine grained magnetite in chloritic andesite adjacent to the																			
			siliceous rock.																			
			113.5 m - 2 specks chalcopyrite on margins of quartz-																			
			carbonate fractures at 10° to CA.																			
114.6	118.1	AND	ANDESITE (FINE GRAIN)	114.6	118.2	100	0.5	0.5	2	-	30	114.6	118.2	3	1	-	4	-	1	114	116	70170
			Medium grey-green. Numerous microfractures at varying																	116	118	70171
			degrees to CA causes the core to look brecciated. "Frags"																			
			to 1 cm. Fracture filled with carbonate or gypsum, or																			
			gypsum/carbonate. Chlorite fracture fill. Magnetite occurs																			
			as discrete patches of <1 cm, containing 70% very fine																			
			grained magnetite. These comprise only 1% of interval.																			
			Thin quartz veins at 116.9 m (5 mm) 55° to CA, and 117.3 m																			
			(1 cm) 80° to CA. The vein at 117.3 m shows 1 cm of right																			
			lateral (down hole) offset. Neither vein carries sulfides.																			
			116.9 m - Quartz vein with bleb of chalcopyrite.																			
			117.28 m - 3 mm bleb of chalcopyrite in a gypsum - magne-																			
			tite patch of 2 cm diameter.																			
			116.6 m - 1cm gypsum vein with 15% medium grained py-																			
			rite at 40° to CA.																			
			116.8 m - 3 mm gypsum-magnetite part of a vein (not																			
			continuous through core).																			
			116.0 m - 1 cm quartz-pyrite-chalcopyrite(?) vein at 45° to																			
			CA.																			
			Pyrite occurs locally on margins and within fractures, and																			
			dissseminated in host rock adjacent to the fractures.																			
			117.9 m - Chalcopyrite-quartz-gypsum oval, 2 cm in length.																			
			Chalcopyrite (3%).																			

NORANDA EXPLORATION COMPANY LTD.

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DATE COLLARED Aug 4/94	DATE COMPLETED Aug 6/94	CORE SIZE BDBGM	DIP TESTS				PROPERTY KLIYUL		PROJECT NO. 548		N.T.S. No. 94D/9	GRID NORTH (W.R.T. TRUE)
FIELD CO-ORDINATES		DEPTH	BEARING		ANGLE						SHEET 8 OF 9	MAGNETIC DECLINATION
LAT. 1845N	ELEV. 1750 m	DIP -70°	125 m	RECORDED	CORRECTED	RECORDED	CORRECTED	LAT.	ELEV.	DIP	HOLE No.	LOGGED BY L. ERDMAN
DEP. 2720E	LENGTH	BEARING 035°						DEP.	LENGTH	BEARING	NK-94-21	DATE: August 6, 1994

				GEOTECH								GEOCHEM								ASSAY		
FROM	TO	ROCK TYPE	DESCRIPTION	FROM	TO	% RECOVERY	% Py	% Cp	% Mt	% Po	Frac Dens	FROM	TO	Carb	Chlor	Ep	Ser	Sil	Gyp	FROM	TO	SAMPLE No.
118.1	118.5	DYK	DIORITE(?) DYKE	118.1	118.5	100	<0.5	-	-	-	2	118.1	118.5	3	2	-	2	-	-	118	120	70172
			Dark geen, highly chloritic, trace pyrite on fracture fill,																			
			pervasive carbonate and carbonate veinlets at 30° to CA.																			
			Upper contact at 20°.																			
			Lower contact broken.																			
			Non-magnetic.																			
			Upper contact has numerous carbonate veinlets (40%)																			
			parallel to contact. Rare microfractures of carbonate cross																			
			cut veinlets at 90°.																			
			Rare quartz eyes observed.																			
118.5	120.3	AND	ANDESITE (FINE GRAIN)	118.5	120.3	100	<0.5	0.5	1	-	30	118.5	120.3	2	1	-	4	2	1			
			Dark grey-green. Quartz and quartz/carbonate veinlets at																			
			45° to CA (1%). Some of these contain blebs and very fine																			
			grains of chalcopyrite (0.5% total). Gypsum or carbonate																			
			filled fractures at 30° to 80° to CA. Quartz-pyrite (50%																			
			pyrite) vein at 119.4 m, 50° (1 cm). Silicified section for 40																			
			cm uphole from this vein. Rare patchy magnetite throughout																			
			but not in silicified section. Pyrite along some fractures.																			
120.3	121.35	DYK	DACITE(?) DYKE	120.3	121.35	100	-	-	-	-	1	120.3	121.35	3	3	-	3	-	1	120	122	70173
			Upper contact @ 20° to CA.																			
			Lower contact @ 40° to CA.																			
			Rare fractures at 45° to CA. Foliation at 20° to CA. Local																			
			pervasive carbonate, carbonate fracture fill and carbonate																			
			veinlets. No sulfides, not magnetic. Rare quartz eyes in a																			
			dark green fine grained matrix . Foliation defined by dis-																			
			continuous 1-2 mm ghosty quartz-carbonate spots.																			
121.35	122.2	AND	ANDESITE	121.35	122.2	100	-	1	5	-	35	121.35	122.2	3	1	-	4	-	1			
			Dark grey-green, similar to 114.6 m to 118.1 m.																			

NORANDA EXPLORATION COMPANY LTD.

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DATE COLLARED Aug 4/94	DATE COMPLETED Aug 6/94	CORE SIZE BDBGM	DIP TESTS				PROPERTY KLIYUL		PROJECT NO. 548	N.T.S. No. 94D/9	GRID NORTH (W.R.T. TRUE)
FIELD CO-ORDINATES		DEPTH	BEARING		ANGLE					SHEET 9 OF 9	MAGNETIC DECLINATION
LAT. 1845N	ELEV. 1750 m	DIP -70°	125 m	RECORDED	CORRECTED	RECORDED	CORRECTED	LAT.	ELEV.	DIP	HOLE No.	LOGGED BY L. ERDMAN
DEP. 2720E	LENGTH	BEARING 035°						DEP.	LENGTH	BEARING	NK-94-21	DATE: August 6, 1994

				GEOTECH								GEOCHEM								ASSAY		
FROM	TO	ROCK TYPE	DESCRIPTION	FROM	TO	% RECOVERY	% Py	% Cp	% Mt	% Po	Frac Dens	FROM	TO	Carb	Chlor	Ep	Ser	Sil	Gyp	FROM	TO	SAMPLE No.
122.2	124.3	AND	ANDESITE	122.2	124.6	100	2	<1	2	-	45	122.2	124.6	3	2	-	3	-	2	122	124	70174
			Medium grey-green. Numerous microfractures at 80° to CA																			
			but also in other directions, gypsum filled. Crackle breccia																			
			texture. Local discrete patchy 5% disseminated magnetite																			
			areas, total 2% of section. From 124 to 124.6 m is 5%																			
			very fine grained magnetite throughout. Locally pervasive																			
			carbonate and carbonate veinlets.																			
			123.8 m - Quartz-pyrite (40%) flooding for 2 cm. Dissemi-																			
			nated fine grained pyrite lies adjacent to and within																			
			fractures and locally is disseminated (7%) throughout.																			
			<1% quartz veinlets. Chalcopyrite (yellower in colour) is																			
			seen as very fine grains with the pyrite and also marginal to																			
			some of the quartz veinlets.																			
124.3	125	AND	ANDESITE(?)	124.6	125	100	2	2	-	-	25	124.6	125	1	1	-	3	1	2	124	125	70175
			Light grey. Pervasive sericite with rare siliceous sections.																			
			Foliations at 45° to CA. Fractures filled with gypsum +/-																			
			carbonate at 50° to 80° to CA. Minor horsetailing at																			
			fractures but not a general feature. Quartz veinlets parallel																			
			to foliation with minor chalcopyrite on margins at 126.0 m.																			
			124.7 m - Gypsum-pyrite vein (30% medium grained pyrite)																			
			70° to CA.																			
			Fine grained pyrite varies from none to 5% the greater																			
			concentration occurring in the more silica-rich areas.																			
			Pyrite (<1%) also along fractures.																			

NORANDA EXPLORATION COMPANY LTD.

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DATE COLLARED Aug 6/94	DATE COMPLETED Aug 7/94	CORE SIZE BDBGM	DIP TESTS				PROPERTY KLIYUL		PROJECT NO. 548	N.T.S. No. 94D/9	GRID NORTH (W.R.T. TRUE)
FIELD CO-ORDINATES		DEPTH	BEARING		ANGLE					SHEET 1 OF 9	MAGNETIC DECLINATION
LAT. 1760N	ELEV. 1750 m	DIP -70°	108.5	RECORDED	CORRECTED	RECORDED	CORRECTED	LAT.	ELEV.	DIP	HOLE No.	LOGGED BY L. ERDMAN
DEP. 2780E	LENGTH	BEARING 035°						DEP.	LENGTH	BEARING	NK-94-22	DATE: August 8, 1994

				GEOTECH								GEOCHEM									ASSAY		
FROM	TO	ROCK TYPE	DESCRIPTION	FROM	TO	% RECOVERY	% Py	% Cp	% Mt	% Po	Frac Dens	FROM	TO	Carb	Chlor	Ep	Ser	Sil	Gyp	Argil-lic	FROM	TO	SAMPLE No.
0	6.1	OB	OVERBURDEN.																				
6.1	15.9	AND	ANDESITE (FELDSPAR PHYRIC) - WELL BROKEN	6.1	15.9	X	5	-	-	-		6.1	15.9	-	1	-	4	-	-				
			Apple green colour, pervasive sericite, blebs of chlorite in	6.1	9.1																		
			foliation plane (mafics?). 2% - 7% (average 5%) medium	9.1	12.2	80																	
			grained cubic pyrite. Fault gouge from 10.2 to 10.3 m.	12.2	15.2	100																	
15.9	17.2	AND	ANDESITE (FELDSPAR PHYRIC) - WELL BROKEN	15.9	17.2	X	5	-	-	-		15.4	17.2	-	2	-	4	-	-				
			Similar to above interval but most pieces show more	15.2	18.3	95																	
			chloritic alteration, giving the rock a medium green colour.																				
17.2	17.5	DAC	SILICEOUS VOLCANICLASTIC - SHATTERED	17.2	17.7	X	10	-	-	-		17.2	17.5	-	-	-	4	-	-		17	19	69751
			Light grey colour. Pervasive sericite alteration. 5-20% fine																				
			grained disseminated pyrite. 1 cm piece of brecciated																				
			core at 17.3 m.																				
17.5	18.0	AND	ANDESITE (FELDSPAR PHYRIC) - WELL BROKEN	17.5	18.0	X	7	1	-	-		17.5	18.0	-	2	-	4	-	-				
			Similar to 15.4 to 17.2 m but at start of interval are pieces																				
			with 1% chalcopyrite blebs, also as rare disseminated																				
			grains intimately associated with pyrite.																				
18.0	18.4	DAC	SILICEOUS VOLCANICLASTIC - SHATTERED	18.0	18.4	100	15	<0.5	-	-		18.0	18.4	-	-	-	4	-	-				
			Light grey colour, similar to 17.2 to 17.5 m but chalcopy-																				
			rite associated with pyrite as in above interval.																				
18.4	19.0	DAC	DACITE VOLCANICLASTIC	18.4	19.0	100	3	-				18.4	19.0	-	-	-	4	-	-				
			Light grey-green colour. Pervasive sericite. Fine grained																				
			pyrite in foliation planes.																				
19.0	22.0	AND	ANDESITE (FELDSPAR PHYRIC) - SHATTERED	19.0	22.0	X	10	2	-	-		19.0	22.0	-	1	-	4	-	-		19	21	69752
			Dark apple green, pervasive sericite,5-20% fine to medium																				
			grain disseminated pyrite, locally 2-10% fine grained or	18.3	21.3	100																	
			blebs of chalcopyrite. One fragment shows pyrite-chalco-	21.3	24.4	80																	
			pyrite in a quartz veinlet. Local sections are more chloritic,																				
			as at 15.9 to 17.2 m. Foliated, defined by dark streaks.																				

NORANDA EXPLORATION COMPANY LTD.

1=very weak 2=weak 3=moderate 4=strong 5=very strong

DATE COLLARED Aug 6/94	DATE COMPLETED Aug 7/94	CORE SIZE BDBGM	DIP TESTS				PROPERTY KLIYUL		PROJECT NO. 548	N.T.S. No. 94D/9	GRID NORTH (W.R.T. TRUE)
FIELD CO-ORDINATES		DEPTH	BEARING		ANGLE					SHEET 2 OF 9	MAGNETIC DECLINATION
LAT. 1760N	ELEV. 1750 m	DIP -70°	108.5	RECORDED	CORRECTED	RECORDED	CORRECTED	LAT.	ELEV.	DIP	HOLE No.	LOGGED BY L. ERDMAN
DEP. 2780E	LENGTH	BEARING 035°						DEP.	LENGTH	BEARING	NK-94-22	DATE: August 8, 1994

				GEOTECH								GEOCHEM									ASSAYS		
FROM	TO	ROCK TYPE	DESCRIPTION	FROM	TO	% RECOVERY	% Py	% Cp	% Mt	% Po	Frac Dens	FROM	TO	Carb	Chlor	Ep	Ser	Sil	Gyp	Argillic	FROM	TO	SAMPLE No.
22.0	23.4	AND	ANDESITE (FELDSPAR PHYRIC) - WELL BROKEN	22.0	23.4	X	1	<0.5	-	-		22.0	23.4	-	3	-	2	-	-		21	23	69753
			Medium green, not well foliated. Could be a dykelet.																				
			Chlorite alteration has increased, sericite decreased. Fine																				
			grained disseminated pyrite ranges from 0-3%.																				
23.4	24.6	AND	ANDESITE (FELDSPAR PHYRIC) - WELL BROKEN	23.4	24.6	X	7	-	-	-		23.4	24.6	-	-	-	4	-	-		23	25	69754
			Similar to 19 - 22 but no observable chalcopyrite and less																				
			pyrite. Pyrite is fine to medium grained disseminated and																				
			ranges from 1 to 15%.																				
24.6	25.7	AND	ANDESITE VOLCANICLASTIC -WELL BROKEN	24.6	25.7	100	3	-	-	-		24.6	25.7	-	2	-	3	-	-				
			Medium green colour. Pervasive sericite, no foliations. 2%																				
			mafic crystals (augite) altered to chlorite. 3% very fine to																				
			fine grained disseminated pyrite, generally within mafics																				
			but not always.																				
25.7	27.2	AND	ANDESITE VOLCANICLASTIC - SHATTERED	25.5	27.2	100	7	<0.5	-	-		25.5	27.2	-	-	-	4	-	-		25	27	69755
			Apple green colour, pervasive sericite. 2-15% fine grained																				
			disseminated pyrite, possible speck of chalcopyrite on																				
			edge of pyrite noted in one fragment.																				
27.2	27.8	DKY	ANDESITE DYKELET - BROKEN	27.2	27.8	100	4	-	-	-		27.2	27.4	-	-	1	3	-	-				
			Feldspar phyric, 2-10% medium grained disseminated																				
			pyrite, epidote fracture fill, some sausserization of																				
			feldspar. Pervasive sericite.																				
27.8	32.9	AND	ANDESITE - BROKEN	27.8	39.2	100	15	<0.5	-	-		27.8	39.2	-	-	-	4	-	-	2	27	29	69756
			Apple green, crumbly surface on fractures. Pervasive																		29	31	69757
			sericite, weak clay alteration. 5-20% fine to medium grain																				
			disseminated pyrite, the higher abundances occurring in																				
			fractures and foliation planes. Possible chalcopyrite with																				
			pyrite noted in 2 fragments.																				

NORANDA EXPLORATION COMPANY LTD.

1=very weak 2=weak 3=moderate 4=strong 5=very strong

DATE COLLARED Aug 6/94			DATE COMPLETED Aug 7/94		CORE SIZE BDBGM		DIP TESTS				PROPERTY KLIYUL			PROJECT NO. 548		N.T.S. No. 94D/9		GRID NORTH (W.R.T. TRUE)													
			FIELD CO-ORDINATES			DEPTH	BEARING		ANGLE							SHEET 3 OF 9		MAGNETIC DECLINATION													
LAT. 1760N			ELEV. 1750 m		DIP -70°	108.5	RECORDED	CORRECTED	RECORDED	CORRECTED	LAT.		ELEV.	DIP		HOLE No.		LOGGED BY L. ERDMAN													
DEP. 2780E			LENGTH		BEARING 035°						DEP.		LENGTH	BEARING		NK-94-22		DATE: August 8, 1994													
							GEOTECH									GEOCHEM										ASSAYS					
FROM	TO	ROCK TYPE	DESCRIPTION				FROM	TO	% RECOVERY	% Py	% Cp	% Mt	% Po	Frac Dens	FROM	TO	Carb	Chlor	Ep	Ser	Sil	Gyp	Argil-lic	FROM	TO	SAMPLE No.					
32.9	40.2	AND	ANDESITE (FELDSPAR PHYRIC) - WELL BROKEN				32.9	40.2	100	7	<0.5	-	-		30.9	40.2	1	3	1	4	-	-	1	31	33	69758					
			Interval starts where chlorite content starts to increase																					33	35	69759					
			from none to weak. Pyrite content varies from 1 to 20%.																					35	37	69760					
			Possible 1% chalcopyrite associated with 15% pyrite at																					37	40	69761					
			36.7 m.																												
			39.1 m - Minor epodite alteration along foliation planes for																												
			2-3 cm.																												
			Epidote along foliation planes in bottom 40 cm of interval.																												
			Carbonate as 1 mm veinlets and as fracture fill.																												
			Minor sections with weak clay alteration.																												
			Chlorite alteration along foliation planes.																												
40.2	50.3	MZ	FELDSPAR PORPHYRY MONZONITE				40.2	50.3	100	<0.5	-	2	-	5	40.2	50.3	1	-	-	1	-	-	-								
			Light grey with 10-15% feldspar phenocrysts to 3 mm,																												
			generally 1.5 mm. Very weak sericite alteration seen on																												
			fractures. Pervasive epidote alteration of ground mass																												
			feldspar. Traces of disseminated pyrite. Carbonate veinlets																												
			and fracture fill. Fine grained magnetite throughout.																												
50.3	55.4	AND	ANDESITE - BROKEN				50.3	55.4	100	5	1	-	-		50.3	55.4	-	2	-	4	-	-	-	50	52	69762					
			Medium green-grey colour, well foliated. Similar to NK-94																					52	54	69763					
			-21 from 12.2 to 39.6 m. Discontinuous dark (chloritic)																												
			stretched ovals in the plane of foliation. Foliation appears																												
			to be subparallel to CA. Fine grained disseminated pyrite,																												
			possible associated chalcopyrite (yellower colour) noted in																												
			a few locations (51.8, 52.1, 52.4, 54.7).																												
55.4	58.6	AND	ANDESITE - SHATTERED				55.4	58.6	100	3	-	-	-		55.4	58.6	2	2	1	3	-	-	-	54	56	69764					
			Dark green to medium green-grey in colour. Very similar																					56	59	69765					
			to above interval but chloritization is more pronounced.																												
			Possibly a different lithology than above, having more mafics.																												
			Fine grained pyrite is present in disseminations and as																												
			fracture fillings and varies from 2-10% with the most pyrite in																												
			the most chloritic section. Local pervasive carbonate "spots																												
			(1 mm)" fracture fill carbonate and a few carbonate veinlets.																												

NORANDA EXPLORATION COMPANY LTD.

1=very weak 2=weak 3=moderate 4=strong 5=very strong

DATE COLLARED Aug 6/94	DATE COMPLETED Aug 7/94	CORE SIZE BDBGM	DIP TESTS				PROPERTY KLIYUL		PROJECT NO. 548	N.T.S. No. 94D/9	GRID NORTH (W.R.T. TRUE)
FIELD CO-ORDINATES		DEPTH	BEARING		ANGLE					SHEET 4 OF 9	MAGNETIC DECLINATION
LAT. 1760N	ELEV. 1750 m	DIP -70°	108.5	RECORDED	CORRECTED	RECORDED	CORRECTED	LAT.	ELEV.	DIP	HOLE No.	LOGGED BY L. ERDMAN
DEP. 2780E	LENGTH	BEARING 035°						DEP.	LENGTH	BEARING	NK-94-22	DATE: August 8, 1994

				GEOTECH								GEOCHEM									ASSAY		
FROM	TO	ROCK TYPE	DESCRIPTION	FROM	TO	% RECOVERY	% Py	% Cp	% Mt	% Po	Frac Dens	FROM	TO	Carb	Chlor	Ep	Ser	Sil	Gyp	Argillic	FROM	TO	SAMPLE No.
58.6	59.3	DYK	ANDESITE DYKE - SHATTERED	58.6	59.3	100	-	-	-	-	-	58.6	59.3	2	1	2	-	-	-	-			
			Fine grained, dark green. Pervasive and fracture filled																				
			carbonate plus fracture filled epidote/carbonate producing																				
			light green lines.																				
59.3	60.1	AND	ANDESITE (FELDSPAR PHYRIC) - SHATTERED	59.3	60.1	100	2	2	-	-		59.3	60.1	2	-	1	4	-	-	-	59	62	69766
			Light grey, fracture filled carbonate. Dyke? Fine grained																				
			chalcopyrite associated with very fine grained dissemi-																				
			nated/fracture filled pyrite.																				
60.1	61.5	AND	ANDESITE - WELL BROKEN TO SHATTERED	60.1	61.5	100	5	-	-	-		60.1	61.5	1	2	1	3	-	-				
			Similar to 55.4 to 58.6 m. Locally feldspar phyric texture																				
			is readily visible. Foliations have stretched chloritized																				
			mafics but the foliations are not as well defined as in 50.3																				
			to 55.4 m. 2-10% fine grained disseminated pyrite. Minor																				
			epidote/carbonate veinlets and fracture fill. Locally feldspar																				
			to epidote.																				
61.5	62.4	DYK	ANDESITE DYKE - WELL BROKEN	61.5	62.4	100	-	-	-	-		61.5	62.4	2	1	2	2	-	-				
			Medium grey colour, fine grained quart veinlets, epidote																				
			fractures/veinlets and epidote/carbonate fracture fill. Very																				
			weak pervasive epidote. Weak pervasive sericite.																				
62.4	68.1	AND	ANDESITE	62.4	68.1	100	7	1	-			62.4	68.1	1	2	1	3				62	64	69767
			Well foliated, medium green-grey similar to 50.3- 55.4 m.																		64	66	69768
			Very fine grained disseminated chalcopyrite associated																		66	68	69769
			with fine grained disseminated pyrite. Carbonate/epidote																				
			fracture fill at 67.2 m but overall epidote is absent. Pyrite																				
			ranges from 3-15%. Chlorite replacing mafics(?) forms																				
			elongate blebs in foliation plane as seen before. This																				
			texture diminishes down the interval. Chloritization in-																				
			creases downhole.																				

NORANDA EXPLORATION COMPANY LTD.

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DATE COLLARED Aug 6/94	DATE COMPLETED Aug 7/94	CORE SIZE BDBGM	DIP TESTS				PROPERTY KLIYUL		PROJECT NO. 548	N.T.S. No. 94D/9	GRID NORTH (W.R.T. TRUE)
FIELD CO-ORDINATES		DEPTH	BEARING		ANGLE					SHEET 5 OF 9	MAGNETIC DECLINATION
LAT. 1760N	ELEV. 1750 m	DIP -70°	108.5	RECORDED	CORRECTED	RECORDED	CORRECTED	LAT.	ELEV.	DIP	HOLE No.	LOGGED BY L. ERDMAN
DEP. 2780E	LENGTH	BEARING 035°						DEP.	LENGTH	BEARING	NK-94-22	DATE: August 8, 1994

				GEOTECH									GEOCHEM									ASSAY		
FROM	TO	ROCK TYPE	DESCRIPTION	FROM	TO	% RECOVERY	% Py	% Cp	% Mt	% Po	Frac Dens	FROM	TO	Carb	Chlor	Ep	Ser	Sil	Gyp	Argillic	FROM	TO	SAMPLE No.
68.1	72.7	AND	ANDESITE (FELDSPAR PHYRIC) - WELL BROKEN	68.1	72.7	100	10	<0.5	-	-		68.1	72.7	-	1	1	4	-	-		68	70	69770
			Medium grey-green. Local sections with chloritic blebs in																		70	72	69771
			foliation but less than previous. 3-20% very fine grained to																				
			medium grained disseminated pyrite. Associated with the																				
			very fine grained pyrite is a very fine grained yellower																				
			sulfide (chalcopyrite?). This occurs in concentrations of																				
			5% but is very rare over the interval. Rare epidote as																				
			fracture fill. 4 cm fault gouge at 71.6 m.																				
72.7	75.7	AND	ANDESITE - WELL BROKEN	72.7	77.3	100	5	<0.5	-	-		72.7	77.3	1	1	2	4	-	1		72	74	69772
			Mottled green buff - medium green. 10 cm fault gouge at																		74	76	69773
			73.2 m. Sausseritization and weak epidote alteration of																				
			feldspar produces mottled appearance. Gypsum(?) on																				
			fracture surfaces. Local carbonate fracture fill. Fine to																				
			coarse grained disseminated pyrite, ranging from 2%-15%																				
			Possible very fine grained disseminated chalcopyrite as																				
			noted in previous interval. Mafics to chlorite but not in																				
			foliation "blebs" so foliation is not an obvious feature.																				
75.7	77.8	AND	ANDESITE (FELDSPAR PHYRIC) - SHATTERED	75.7	77.8	100	7	-	-	-		75.7	77.8	1	-	-	5	-	1	1	76	78	69774
			Light grey to light green-grey. Highly sericitic. No epidote/																				
			chlorite. Possible gypsum on fracture surfaces. Up to 20%																				
			very fine to fine grained disseminated pyrite. Well foliated,																				
			subparallel to CA. Very weak carbonate as fracture fill.																				
77.8	78.7	DYK	ANDESITIC DYKE - BROKEN	77.8	78.7	100	-	-	-	-		77.8	78.7	1	1	-	2	-	-	-			
			Medium grey, fine grained. Sausseritized feldspar with																				
			minor epidote alteration of feldspar. Trace of fine grained																				
			disseminated pyrite. Quartz fractures and veinlets. Very																				
			weak carbonate as fracture fill.																				

NORANDA EXPLORATION COMPANY LTD.

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DATE COLLARED Aug 6/94			DATE COMPLETED Aug 7/94		CORE SIZE BDBGM		DIP TESTS				PROPERTY KLIYUL			PROJECT NO. 548		N.T.S. No. 94D/9		GRID NORTH (W.R.T. TRUE)													
			FIELD CO-ORDINATES			DEPTH	BEARING		ANGLE							SHEET 6 OF 9		MAGNETIC DECLINATION													
LAT. 1760N			ELEV. 1750 m		DIP -70°	108.5	RECORDED	CORRECTED	RECORDED	CORRECTED	LAT.		ELEV.	DIP		HOLE No.		LOGGED BY L. ERDMAN													
DEP. 2780E			LENGTH		BEARING 035°						DEP.		LENGTH	BEARING		NK-94-22		DATE: August 8, 1994													
							GEOTECH									GEOCHEM											ASSAY				
FROM	TO	ROCK TYPE	DESCRIPTION				FROM	TO	% RECOVERY	% Py	% Cp	% Mt	% Po	Frac Dens	FROM	TO	Carb	Chlor	Ep	Ser	Sil	Gyp	Argil-lic	FROM	TO	SAMPLE No.						
78.7	80.9	AND	ANDESITE (FELDSPAR PHYRIC) - WELL BROKEN				78.7	80.9	100	10	<0.5	-	-		78.7	80.9	1	3	2	3	-	-	-	78	80	69775						
			Dark green-grey. Foliated. Similar to 50.3 to 55.4 m.																												
			Strong fracture filled epidote (30%) at 78.1 to 78.9 m.																												
			Fracture fill epidote continues to 80.0 m but becomes less																												
			intense. Carbonate associated with epidote. Some of the																												
			pieces show chloritic "blebs" in foliation and these contain																												
			disseminated pyrite. Pyrite varies from very fine grained to																												
			medium grained and ranges from 5-20%. Possible chal-																												
			copyrite intimately associated with the very fine grained																												
			pyrite.																												
80.9	81.1	DYK	DYKE - FELDSPAR PHYRIC ANDESITE - BROKEN				80.9	81.1	100	3	-	-	-		80.9	81.1	-	3	3	1	-	-	-	80	82	69776						
			Medium green with light green epidotized feldspar. 3% fine																												
			grained disseminated pyrite. Weak pervasive carbonate.																												
81.1	86.0	AND	ANDESITE (FELDSPAR PHYRIC) - SHATTERED				81.1	86.0	100	10	1	-	-		81.1	86.0	-	2	1	3	-	1	-	82	84	69777						
			Similar to 78.7 m to 80.9 m but no strongly epidotized																					84	86	69778						
			sections. Very fine grained chalcopyrite (5%) at 84.0,																												
			85.8. Very fine to coarse grained cubic pyrite ,																												
			disseminated and on fractures, 2-20%. Sausseritized																												
			feldspar and locally feldspar going to epidote giving a																												
			"spotty" appearance. Foliated. Gypsum fracture fill.																												
86.0	87.0	AND	ANDESITE				86	87	100	5	1	-	-	10	86	87	1	1	-	4	-	3	-	86	88	69779						
			First competent core. Medium green-grey colour. Horse-																												
			tailing microfractures at 50° to CA. Gypsum veinlets (1mm)																												
			parallel to CA. Fine and medium grained disseminated pyrite,																												
			very fine grained chalcopyrite(?) associated with pyrite. Per-																												
			vasive gypsum forms white <1 blebs. Pervasive sericite.																												
			Sausseritization of feldspar. Local ghosty chloritic blebs																												
			(2 mm - 4 mm). Non-horsetailing gypsum fractures also at																												
			50° to CA. Chloritic along foliation planes, subparallel to CA.																												

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DATE COLLARED Aug 6/94	DATE COMPLETED Aug 7/94	CORE SIZE BDBGM	DIP TESTS				PROPERTY KLIYUL		PROJECT NO. 548	N.T.S. No. 94D/9	GRID NORTH (W.R.T. TRUE)
FIELD CO-ORDINATES		DEPTH	BEARING		ANGLE					SHEET 7 OF 9	MAGNETIC DECLINATION
LAT. 1760N	ELEV. 1750 m	DIP -70°	108.5	RECORDED	CORRECTED	RECORDED	CORRECTED	LAT.	ELEV.	DIP	HOLE No.	LOGGED BY L. ERDMAN
DEP. 2780E	LENGTH	BEARING 035°						DEP.	LENGTH	BEARING	NK-94-22	DATE: August 8, 1994

FROM	TO	ROCK TYPE	DESCRIPTION	GEOTECH FROM	GEOTECH TO	% RECOVERY	% Py	% Cp	% Mt	% Po	Frac Dens	GEOCHEM FROM	GEOCHEM TO	Carb	Chlor	Ep	Ser	Sil	Gyp	Argillic	ASSAY FROM	ASSAY TO	SAMPLE No.
87.0	87.9	AND	ANDESITE	87	82.9	100	<0.5	-	15	-	10	87	87.9	-	3	3	2	-	3				
			Dark green/light green spotty mottled colour. Gypsum																				
			microfractures at 45° or 50° to CA and horsetailing at 135°.																				
			Gypsum veinlets at 20° to 90°. Siliceous magnetite,																				
			locally 70%, but patchy and discontinuous. Sausseritiza-																				
			tion of feldspar plus 2-3 mm spotty pervasive epidote gives																				
			the rock a mottled appearance. Fine grained to very fine																				
			grained pyrite is rare. Epidote fracture fill.																				
87.9	90.2	AND	ANDESITE	87.9	90.0	100	5	0.5	-	-	30	87.9	91.4	-	1	2	4	-	3		88	90	69780
			Medium grey/green. Horsetailing gypsum microfractures at																				
			50°. 90 m - trace of disseminated chalcopyrite on selvages																				
			of gypsum fractures. Very fined grained to fine grained																				
			pyrite on margins of gypsum fractures and as disseminations																				
			in the matrix, greater concentrations on margins of																				
			fractures. Although fractures trend in all directions the																				
			dominant set is 45° to 50° with another set at 90° to that.																				
			Swirly, mottled texture throughout core.																				
			88.4 m - 10 cm gypsum - 30% pyrite - 5% quartz vein @ 20° to																				
			CA. 89.7 m - 5 mm quartz vein @ 30° to CA.																				
90.2	90.9	AND	ANDESITE (FELDSPAR PHYRIC)	90.2	90.9	100	5	0.5	-	-	30	90.2	90.9	-	-	1	4	-	3		90	92	69781
			Similar to above interval but with ghosty white spots.																				
			90.4 m - Parallel gypsum-epidote veinlets separated by 1																				
			cm at 65° to CA. These host 2% very fine grained chalco-																				
			pyrite.																				

NORANDA EXPLORATION COMPANY LTD.

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DATE COLLARED Aug 6/94	DATE COMPLETED Aug 7/94	CORE SIZE BDBGM	DIP TESTS				PROPERTY KLIYUL		PROJECT NO. 548	N.T.S. No. 94D/9	GRID NORTH (W.R.T. TRUE)
FIELD CO-ORDINATES		DEPTH	BEARING		ANGLE					SHEET 8 OF 9	MAGNETIC DECLINATION
LAT. 1760N	ELEV. 1750 m	DIP -70°	108.5	RECORDED	CORRECTED	RECORDED	CORRECTED	LAT.	ELEV.	DIP	HOLE No.	LOGGED BY L. ERDMAN
DEP. 2780E	LENGTH	BEARING 035°						DEP.	LENGTH	BEARING	NK-94-22	DATE: August 8, 1994

				GEOTECH								GEOCHEM									ASSAY		
FROM	TO	ROCK TYPE	DESCRIPTION	FROM	TO	% RECOVERY	% Py	% Cp	% Mt	% Po	Frac Dens	FROM	TO	Carb	Chlor	Ep	Ser	Sil	Gyp	Argil-lic	FROM	TO	SAMPLE No.
90.9	98.4	AND	ANDESITE	90.9	98.4		7	1	-	2	30	90.9	98.4	1	1	-	4	-	3		92	94	69782
			Similar to 87.9 to 90.2 m with short sections of more ob-																		94	96	69783
			viously feldspar phyric andesite. However this interval is																		96	98	69784
			magnetic with magnetite abundance of 2% overall, com-																				
			prised of discrete fuzzy <1 cm patchy areas of 30%																				
			magnetite.																				
			Fine grained disseminated pyrite with local very fine																				
			grained chalcopyrite mixed in with the pyrite. Very fine																				
			grained disseminated pyrite in gypsum microfracture.																				
			Interval begins with 10 cm fault gouge at 30° to CA.																				
			94.3 m - 6 cm quartz-carbonate-gypsum-chlorite vein at																				
			25° to CA with trace magnetite.																				
			94.9 m - Horsetailing microfractures at 60° to CA, also																				
			quartz-chlorite-gypsum vein (2 cm) at 25° to CA. Trace																				
			chalcopyrite.																				
			97.0 m-8 mm quartz-pyrite-magnetite veinlet at 45° to CA.																				
			98.1 m-Gypsum microfractures horsetailing at 100° to CA.																				
			97.9 m - 1 cm gypsum vein (trace pyrite) at 45° to CA.																				
			Local chlorite in foliation planes.																				
98.4	104.5	AND	ANDESITE	98.4	104.5	100	5	3	-	-	30	98.4	104.5	1	-	-	4	2	3		98	100	69785
			Medium green-grey. Interval begins with a carbonate-quartz-																		100	102	69786
			sericite-chlorite (trace chalcopyrite), fractured vein at 10°.																		102	104	69787
			More altered then previous intervals with quartz veins,																				
			sericite veins, local clay alteration, silical flooding and locally																				
			with a fracture density of 40%. Gypsum fractures as before.																				
			99.0 m - 1 cm quartz vein at 10° to CA.																				
			99.2 to 100.2 m - Pervasive gypsum/clay alteration. Fracture																				
			density of 40%, rare quartz-pyrite "veins" (1 cm) at 10° to CA.																				
			100.6 to 101.2 m - Quartz-sericite flooded vein at 15° to CA																				
			containing 5% very fine grained disseminated chalcopyrite																				
			(3 cm width) wandering in and out of core, not a sharp																				
			boundary.																				
			101.3 m - 2 cm round area of quartz-gypsum with pyrite-																				
			chalcopyrite on margins. Part of a vertical vein.																				

NORANDA EXPLORATION COMPANY LTD.

1=very weak 2=weak 3=moderate 4=strong 5=very strong

DATE COLLARED Aug 6/94 | DATE COMPLETED Aug 7/94 | CORE SIZE BDBGM | PROPERTY KLIYUL | PROJECT NO. 548 | N.T.S. No. 94D/9 | GRID NORTH (W.R.T. TRUE)

FIELD CO-ORDINATES | SHEET 9 OF 9 | MAGNETIC DECLINATION

LAT. 1760N | ELEV. 1750 m | DIP -70° | HOLE No. NK-94-22 | LOGGED BY L. ERDMAN

DEP. 2780E | LENGTH | BEARING 035° | DATE: August 8, 1994

DIP TESTS: DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED	LAT.	ELEV.	DIP
108.5							
					DEP.	LENGTH	BEARING

FROM	TO	ROCK TYPE	DESCRIPTION	GEOTECH FROM	TO	% RECOVERY	% Py	% Cp	% Mt	% Po	Frac Dens	GEOCHEM FROM	TO	Carb	Chlor	Ep	Ser	Sil	Gyp	Argillic	ASSAY FROM	TO	SAMPLE No.
			101.6 m - Quartz-sericite-gypsum vein at 30° to CA.																				
			3% chalcopyrite. Alteration halo 2 cm of pervasive gypsum																				
			with 5% pyrite - trace chalcopyrite.																				
			102.1 m - Gypsum-chalcopyrite (5%) vein at 20° to CA (6 mm).																				
			Gypsum-sericite flooded alteration halo for 3 cm with 3%																				
			pyrite, 1% chalcopyrite.																				
			102.4 m - Gypsum veinlet (2 mm) with chalcopyrite in																				
			selvage. Downhole to 102.5 m is gypsum flooded with 3%																				
			fine grain disseminated pyrite and 1% fine grain dissemi-																				
			nated chalcopyrite. A gypsum fracture at 102.5 m marks the																				
			lower limit of the alteration, also with fine grained chalcopyrite																				
			on selvages. 3% fine grain disseminated chalcopyrite con-																				
			tinues to 102.6 m. Below this chalcopyrite still occurs but is																				
			<1%.																				
			103.0 m - Horsetailing gypsum fractures at 110°. Other																				
			fractures at 30°, 40°, 60°.																				
			104.3 m - 20% gypsum veinlets (≤5 mm), some with chalco-																				
			pyrite. Primarily oriented at 45° and 135°.																				
			Surrounding rock is gypsum flooded.																				
104.5	108.5	MZ	MONZONITE	104.5	108.5	100	3	<0.5	-	-	10	104.5	108.5	1	2	1	3	-	2		104	106	69788
			Mottled, medium/light grey-green. Pervasive sericite, mafics																		106	108.5	69789
			to chlorite. Weakly developed foliation. Very fine grained to																				
			medium grained disseminated/fracture fill pyrite (3-5%).																				
			Good core until 105.3 m and then it is well broken. Gypsum																				
			microfractures at 25°, 80°, 70°, 135° to CA. Coarse pyrite in																				
			carbonate fractures (rare). Pyrite is a silvery colour. Rare																				
			epidote fractures and local pervasive epidotization of																				
			feldspar? Contact with overlying andesite is not distinct. Two																				
			fracture directions at 70° and 135°. Possible very fine																				
			grained disseminated chalcopyrite on selvages of gypsum																				
			microfractures.																				

NORANDA EXPLORATION COMPANY LTD.

1=very weak 2=weak 3=moderate 4=strong 5=very strong

DATE COLLARED Aug 7/94	DATE COMPLETED Aug 9/94	CORE SIZE BDBGM	DIP TESTS				PROPERTY KLIYUL	PROJECT NO. 548
FIELD CO-ORDINATES			DEPTH	BEARING		ANGLE		
				RECORDED	CORRECTED	RECORDED	CORRECTED	
LAT. 1740N	ELEV. 1755 m	DIP -70°	152.4				LAT. / ELEV. / DIP	
DEP. 2880E	LENGTH	BEARING 035°					DEP. / LENGTH / BEARING	

N.T.S. No. 94D/9	GRID NORTH (W.R.T. TRUE)
SHEET 1 OF 11	MAGNETIC DECLINATION
HOLE No. NK-94-23	LOGGED BY L. ERDMAN
	DATE: August 11, 1994

FROM	TO	ROCK TYPE	DESCRIPTION	GEOTECH FROM	GEOTECH TO	% RECOVERY	% Py	% Cp	% Mt	% Po	% Bo	Frac Dens	GEOCHEM FROM	GEOCHEM TO	Carb	Chlor	Ep	Ser	Sil	Gyp	ASSAY FROM	ASSAY TO	SAMPLE No.
0	9.1	OB	OVERBURDEN																				
9.1	12.2	AND	ANDESITE (FELDSPAR PHYRIC) VOLCANICLASTIC	9.1	12.2	100	3	-	3	-			9.1	12.2	-	-	-	3	1	-			
			Brown surface - oxidation. Fracture density 5%, all																				
			fractures are rusty. Masive mag-silica following fractures																				
			at 9.3 m and again at 10.9 m. Rusty fractures decrease																				
			by 11.1 m. Very fine grained pyrite, 0-7%. A few pieces																				
			are completely silicified but these total only 1-2%.																				
12.2	12.8	AND	ANDESITE (FELDSPAR PHYRIC) - WELL BROKEN	12.2	12.8	100	<1	-	25	-			12.2	12.8	-	-	-	2	2	-			
			Medium grey-green. Mottled texture. None to 1% fine																				
			grained disseminated pyrite, sausseritized feldspar.																				
			Locally it is very magnetic with discontinuous 1mm - 4mm																				
			bands and discrete oblongs of 80-90% magnetite, plus																				
			quartz. The magnetite contains <1% medium to coarse																				
			grained pyrite, some of which are 1 mm pyrite cubes.																				
			Also 1% disseminated magnetite in the host rock.																				
12.8	14.0	AND	ANDESITE VOLCANICLASTIC(?) - WELL BROKEN	12.8	14.0	100	<0.5	-	-	-			12.8	14.0	-	-	1	2	-	-			
			Medium grey/green, mottled. Local pervasive epidote and																				
			fracture fill epidote. Sausseritized feldspar. Rare pyrite.																				
			Large pieces have 3% fracture density.																				
14.0	14.5	AND	ANDESITE(?) FINE GRAINED - WELL BROKEN	14.0	14.5	100	7	-	-	-			14.0	14.5	-	-	1	2	-	-			
			Green grey, 3%, 1 mm brown spots. Spots are very																				
			fine grained agglomerations of pyrite which have been																				
			oxidized. Epidote fracture fill, sausseritized feldspar.																				
			Local fine grained pyrite and pyrite fracture fill.																				
14.5	16.0	AND	ANDESITE - WELL BROKEN	14.5	16.0	100	3	-	-	-			14.5	16.0	-	-	1	2	-	-			
			Green-grey colour. Interval alternates rock types with																				
			some sections of non-pyritic rock similar to 12.8 - 14 m																				
			and other sections have agglomerations of fine grained																				
			pyrite in spots as at 14.0 to 14.5 m. Fracture fill and																				
			pervasive epidote.																				

NORANDA EXPLORATION COMPANY LTD.

1=very weak 3=moderate 5=very strong
2=weak 4=strong

DATE COLLARED Aug 7/94	DATE COMPLETED Aug 9/94	CORE SIZE BDBGM	DIP TESTS	PROPERTY KLIYUL	PROJECT NO. 548	N.T.S. No. 94D/9	GRID NORTH (W.R.T. TRUE)
	FIELD CO-ORDINATES		DEPTH / BEARING / ANGLE			SHEET 2 OF 11	MAGNETIC DECLINATION
LAT. 1740N	ELEV. 1755 m	DIP -70°	152.4 / RECORDED / CORRECTED / RECORDED / CORRECTED	LAT.	ELEV. / DIP	HOLE No.	LOGGED BY L. ERDMAN
DEP. 2880E	LENGTH	BEARING 035°		DEP.	LENGTH / BEARING	NK-94-23	DATE: August 11, 1994

FROM	TO	ROCK TYPE	DESCRIPTION	GEOTECH FROM	TO	% RECOVERY	% Py	% Cp	% Mt	% Po	% Bo	Frac Dens	GEOCHEM FROM	TO	Carb	Chlor	Ep	Ser	Sil	Gyp	ASSAY FROM	TO	SAMPLE No.
16.0	20.2	AND	ANDESITE VOLCANICLASTIC - WELL BROKEN	16.0	20.2	100	5	-	3	-			16.0	20.2	-	1	-	3	2	-			
			Light grey-green. Brown, oxidized pyrite spots at start of																				
			interval. 3-10% silvery unoxidized fine to medium grained																				
			fracture fill pyrite increasing towards 17.1 m. Intervals																				
			with magnetite are moderately silicified. Local fractures																				
			are chloritized. Rare quartz eyes. Some pieces appear																				
			to be a light coloured fine grain intrusive.																				
			16.2 m - 4 mm siliceous magnetite band with central																				
			1 mm vuggy quartz fracture.																				
			17.1 to 17.6 m - White/light grey completely silicified with	17.1	17.6	100	5	-	-	-			17.1	17.6	1	-	-	-	5	-			
			quartz and quartz-carbonate veins (<1 to 1.5 cm), 30°,																				
			20° to CA. Fine to medium grained pyrite - generally in																				
			the silicified host rock and on quartz vein selvages <1%																				
			in the quartz veins. Fractures are rusty (oxidized). One																				
			chlorite fracture has boxwork texture in "alteration" halo.																				
			18.8 m - Coarse pyrite in quartz vein(?).																				
			18.75 to 19.35 m - Magnetic section with 3% medium	18.75	19.35	100	-	-	20	-			18.8	19.4	-	-	-	2	3	-			
			grained magnetite and massive magnetite laminations.																				
			Trace of very fine grained pyrite in fracture fill. Magnetic																				
			"areas" are siliceous.																				
20.2	24.2	AND	ANDESITE (FELDSPAR PHYRIC) - WELL BROKEN	20.2	24.2	100	3	-	-	-			20.2	24.2	-	-	-	3	-	-			
			Medium grey-green. Pervasive sericite, ghosty fine																				
			grained crystals. Local oxidization on fractures.																				
			Unfoliated. 2-5% fine to medium grained disseminated																				
			fracture fill pyrite. Feldspar have sausseritization "spots"																				
			in centers.																				
24.2	27.6	AND	ANDESITE(?) - WELL BROKEN	24.2	27.6	100	1	-	20	-			24.2	27.6	-	2	-	3	1	-			
			Light green-grey to dark green. Darker coloured pieces																				
			contain from 10% disseminated, to laminations of silica																				
			hosted massive magnetite. Local sections are non-																				
			magnetic and show weak sausseritization of feldspar.																				
			Mafics to chlorite ± pyrite. <1% medium grained pyrite																				
			occurs with magnetite.																				

NORANDA EXPLORATION COMPANY LTD.

1=very weak 2=weak 3=moderate 4=strong 5=very strong

DATE COLLARED Aug 7/94	DATE COMPLETED Aug 9/94	CORE SIZE BDBGM	PROPERTY KLIYUL	PROJECT NO. 548
N.T.S. No. 94D/9	SHEET 3 OF 11	HOLE No. NK-94-23	LOGGED BY L. ERDMAN	DATE: August 11, 1994
GRID NORTH (W.R.T. TRUE)	MAGNETIC DECLINATION			

FIELD CO-ORDINATES			DEPTH	DIP TESTS: BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED	LAT.	ELEV.	DIP
LAT. 1740N	ELEV. 1755 m	DIP -70°	152.4							
DEP. 2880E	LENGTH	BEARING 035°						DEP.	LENGTH	BEARING

FROM	TO	ROCK TYPE	DESCRIPTION	GEOTECH FROM	TO	% RECOVERY	% Py	% Cp	% Mt	% Po	% Bo	Frac Dens	GEOCHEM FROM	TO	Carb	Chlor	Ep	Ser	Sil	Gyp	ASSAY FROM	TO	SAMPLE No.
			27.2 to 27.6 m - Oxidized rusty fractures. No magnetic laminations in oxidized section and pyrite increases from 1 to 5%. Pervasive sericite has destroyed primary texture but in some sections there are ghosty, dark grey "spots" (1-3 mm) which may be altered pyrite. Interval could be a monzonite(?).																				
27.6	29.1	MZ	MONZONITE (FELDSPAR-HORNBLENDE) DYKE - BROKEN	27.6	29.1	100	-	-	2	-			27.6	29.1	2	2	1	1	-	-			
			Light grey-green colour. Gradiation at upper and lower contact. Middle section has well developed feldspar phenos to 3 mm, upper contact has no phenos and has a mottled texture, feldspar phenos become ghosty down-hole and lathe shaped 1 mm hornblende are distinct. Sections with feldspar phenocrysts host fracture fill, medium grained magnetite. Pervasive carbonate increas-ing down interval - none to weak.																				
29.1	30.5	AND	ANDESITE(?) - WELL BROKEN	29.1	30.5	100	3	1	5	-			29.1	30.5	-	-	-	4	-	-	29	31	69835
			Interval same as before the dyke with locally magnetic sections. Possible fine grained chalcopyrite on fractures in non-magnetic sections. Non-magnetic sections have a general increase in sulfides compared to 24.2 to 27.6m; 2-7%.																				
30.5	33.0	AND	ANDESITE (FELDSPAR PHYRIC) - WELL BROKEN	30.5	33.0	100	7	1	-	-			30.5	33.0	-	1	-	4	-	-	31	33	69836
			Light green, foliated. Fine foliated planes defined by thin streaky mafics and fine grained disseminated pyrite. Mafics to chlorite. Very fine grain chalcopyrite associated with the pyrite.																				
33.0	35.8	AND	ANDESITE (FELDSPAR PHYRIC) - WELL BROKEN	33.0	35.86	X	5	-	1	-			33.0	35.8	-	1	-	4	-	-	33	35	69837
			Brown colour caused by oxidation on all fracture surfaces.	32.5	36.6	85																	
			Local sections are unoxidized and contain 5% fine grained pyrite. Some of the oxidized pieces are magnetic, with 20% very fine grained magnetite.																				

NORANDA EXPLORATION COMPANY LTD.

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DATE COLLARED Aug 7/94	DATE COMPLETED Aug 9/94	CORE SIZE BDBGM	DIP TESTS				PROPERTY KLIYUL		PROJECT NO. 548	N.T.S. No. 94D/9	GRID NORTH (W.R.T. TRUE)
	FIELD CO-ORDINATES		DEPTH	BEARING		ANGLE				SHEET 4 OF 11	MAGNETIC DECLINATION
LAT. 1740N	ELEV. 1755 m	DIP -70°	152.4	RECORDED	CORRECTED	RECORDED	CORRECTED	LAT.	ELEV.	DIP	HOLE No.	LOGGED BY L. ERDMAN
DEP. 2880E	LENGTH	BEARING 035°						DEP.	LENGTH	BEARING	NK-94-23	DATE: August 11, 1994

				GEOTECH									GEOCHEM								ASSAY		
FROM	TO	ROCK TYPE	DESCRIPTION	FROM	TO	% RECOVERY	% Py	% Cp	% Mt	% Po	% Bo	Frac Dens	FROM	TO	Carb	Chlor	Ep	Ser	Sil	Gyp	FROM	TO	SAMPLE No.
35.8	38.3	AND	ANDESITE (FELDSPAR PHYRIC) - SHATTERED	35.8	38.3	X	3	1	1	-	<0.5		35.8	38.3	-	-	-	4	-	-	35	37	69838
			Green-grey. Oxidation continues to 36.0 m but cannot	36.6	39.6	75															37	39	69839
			determine exactly where the contact is. 3% to 5% fine																				
			grained chalcopyrite/bornite at 35.9 m. Fine grained																				
			disseminated pyrite, locally with very fine grained chalco-																				
			pyrite associated with the pyrite. Locally pieces are																				
			magnetic with 10% very fine grained magnetite.																				
38.3	43.4	MZ	MONZONITE (FELDSPAR-HORNBLENDE) DYKE	38.3	43.4	100	<0.5	-	2	-			38.3	43.4	3	2	1	1	-	-			
			BROKEN																				
			Same lithology as 27.6 to 29.1 m. Rare disseminated																				
			pyrite. Pervasive fracture filled carbonate. Matrix has																				
			chlorite/epidote alteration of mafics and sausseritized																				
			feldspar.																				
43.4	51.0	AND	ANDESITE - WELL BROKEN	43.4	51.0	X	7	-	-	-			43.4	51.0	1	1	-	4	-	-	50	52	69840
			Green-grey, well foliated. Similar to foliated intervals	24.7	45.7	100																	
			in holes 94-21 and 94-22. Coarser foliations than	45.7	48.8	100																	
			previous foliations in this hole. Foliation defined by dark	48.8	51.8	60																	
			coloured (mafic) blebs in foliation plane. Medium-coarse																				
			grained disseminated pyrite and coarse pyrite as fracture																				
			fill. Mafics to chlorite.																				
51.0	51.9	AND	ANDESITE - WELL BROKEN	51.0	51.9	X	7	<1	-	-			51.0	51.9	-	-	-	4	-	-			
			Dark green-grey, foliated, but foliations are not defined by																				
			mafic streaks. 7-10% fine grained pyrite at 51.8 m. Very																				
			fine grained chalcopyrite in foliation plane.																				

NORANDA EXPLORATION COMPANY LTD.

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DATE COLLARED Aug 7/94	DATE COMPLETED Aug 9/94	CORE SIZE BDBGM	DIP TESTS				PROPERTY KLIYUL		PROJECT NO. 548	N.T.S. No. 94D/9	GRID NORTH (W.R.T. TRUE)
FIELD CO-ORDINATES			DEPTH	BEARING		ANGLE				SHEET 5 OF 11	MAGNETIC DECLINATION
LAT. 1740N	ELEV. 1755 m	DIP -70°	152.4	RECORDED	CORRECTED	RECORDED	CORRECTED	LAT.	ELEV.	DIP	HOLE No.	LOGGED BY L. ERDMAN
DEP. 2880E	LENGTH	BEARING 035°						DEP.	LENGTH	BEARING	NK-94-23	DATE: August 11, 1994

FROM	TO	ROCK TYPE	DESCRIPTION	GEOTECH FROM	GEOTECH TO	% RECOVERY	% Py	% Cp	% Mt	% Po	% Bo	Frac Dens	GEOCHEM FROM	GEOCHEM TO	Carb	Chlor	Ep	Ser	Sil	Gyp	ASSAY FROM	ASSAY TO	SAMPLE No.
51.9	64.1	AND	ANDESITE(?) - WELL BROKEN TO SHATTERED	51.9	64.1	X	1	2	1				51.9	64.1	-	-	-	4	-	-	52	56	69841
			Green-grey. 3 cm fault gouge at start of interval.																		56	62	69842
			Immediately below the fault are pieces with 40% very fine	51.8	54.9	17																	
			grained magnetite in discrete patchy areas, fine grained	54.9	57.9	30																	
			disseminated pyrite and very fine grained chalcopyrite	57.9	61	10																	
			(especially 52.1 m, 3%). Pervasive sericite has destroyed	61	64	40																	
			the texture and locally the small pieces appear intrusive																				
			rather than volcanic (monzonite?). More magnetic pieces																				
			just before 61 m but recovery between 57.9 and 61 m is																				
			only 10%. From 61 m downhole the core is shattered into																				
			1-3 cm platy pieces.																				
			61.3 m - Pieces with discrete patches of 80% magnetite.																				
			Adjacent to the magnetite the rock hosts very fine grained																				
			chalcopyrite but chalcopyrite is not just restricted to																				
			magnetite sections of the interval.																				
64.1	70.1	AND	ANDESITE - SHATTERED	64.1	70.1	X	3	1	-	-			64.1	70.1	-	-	-	5	-	-	62	66	69843
			Apple green. Completely sericitic. Foliated. Very fine																		66	70	69844
			grained pyrite appears to be replacing where mafic	64	67.1	53																	
			minerals once were. Traces of very fine grained dissemi-	67.1	70.1	10																	
			nated chalcopyrite associated with some of this pyrite.																				
			Local fracture filled carbonate/epidote. All pieces <2 cm,																				
			platy fractures.																				
70.1	71.8	AND	ANDESITE VOLCANICLASTIC - SHATTERED	70.1	71.8	X	3	<1	-	-			70.1	71.8	-	-	-	4	-	-	70	76	69845
			Grey-green with ghosty dark grey "spots". Very fine to	70.1	73.1	53																	
			fine grained disseminated pyrite. <1% very fine grained																				
			chalcopyrite overall but locally up to 3%. Local fracture fill																				
			carbonate and local weak pervasive carbonate. "Spots"																				
			may be remnant pyroxene.																				

NORANDA EXPLORATION COMPANY LTD.

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DATE COLLARED Aug 7/94	DATE COMPLETED Aug 9/94	CORE SIZE BDBGM	DIP TESTS				PROPERTY KLIYUL		PROJECT NO. 548	N.T.S. No. 94D/9	GRID NORTH (W.R.T. TRUE)
FIELD CO-ORDINATES		DEPTH	BEARING		ANGLE					SHEET 6 OF 11	MAGNETIC DECLINATION
LAT. 1740N	ELEV. 1755 m	DIP -70°	152.4	RECORDED	CORRECTED	RECORDED	CORRECTED	LAT.	ELEV.	DIP	HOLE No.	LOGGED BY L. ERDMAN
DEP. 2880E	LENGTH	BEARING 035°						DEP.	LENGTH	BEARING	NK-94-23	DATE: August 11, 1994

				GEOTECH									GEOCHEM								ASSAY		
FROM	TO	ROCK TYPE	DESCRIPTION	FROM	TO	% RECOVERY	% Py	% Cp	% Mt	% Po	% Bo	Frac Dens	FROM	TO	Carb	Chlor	Ep	Ser	Sil	Gyp	FROM	TO	SAMPLE No.
71.8	81.2	AND	ANDESITE VOLCANICLASTIC - SHATTERED	71.8	81.2	X	3	<0.5	-	-			71.8	81.2	-	-	-	4	-	-	76	78	69846
			Grey-green. Similar to preceding interval but "spots" not	73.1	76.2	10															78	80	69847
			as common. Very fine to medium grained disseminated	76.2	79.2	95															80	82	69848
			pyrite, perhaps some very fine grained chalcopyrite	79.2	82.3	80																	
			associated with pyrite.																				
81.2	81.6	DYK	FELSIC DYKE - SHATTERED	81.2	81.6	80	-	-	-	-			81.2	81.6	3	-	-	2	-	-			
			Light grey, fine grained, quartz eyes. No sulfides.																				
			Pervasive carbonate.																				
81.6	82.3	AND	ANDESITE (FELDSPAR PHYRIC) - SHATTERED	81.6	82.3	80	2	-	-	-			81.6	82.3	-	-	-	4	-	-			
			Green-grey. Foliated with feldspar in foliation planes. 1%																				
			dark grey "ghosty" elongate spots (2 mm), stretched																				
			parallel to foliation but not in foliation plane. 2% very fine																				
			grained disseminated pyrite, no visible chalcopyrite.																				
82.3	93.1	AND	ANDESITE - WELL BROKEN	82.3	93.1	X	5	<0.5	-	-			82.3	93.1	2	1	-	4	-	-	82	84	69849
			Grey-green with 5% stretched chloritic blebs (mafics).	82.3	85.3	95															84	86	69850
			Mafics to chlorite, groundmass is sericitic. Fracture fill	85.3	88.4	80															86	88	69851
			carbonate. 2-7% very fine to fine grained disseminated	88.4	91.4	100															88	90	69852
			pyrite. Possible chalcopyrite associated with pyrite	91.4	94.5	100															90	92	69853
			(<0.5%). Non-magnetic. Well foliated.																				
93.1	101.2	AND	ANDESITE (FELDSPAR PHYRIC) - WELL BROKEN	93.1	101.2	100	7	<0.5	-				93.1	101.2	1	1	1	4	-	-	92	94	69854
			Similar to hole NK-94-22 from 68.1 to 72.7 m. Medium																		94	96	69855
			grey-green mottled texture. Chlorite on fractures.																		96	98	69856
			Fracture fill carbonate, locally pervasive. Some chlorite																		98	100	69857
			fractures host coarse grained pyrite. Fine grained dissem-																				
			inated pyrite ranges from 3-15%. Epidote/carbonate																				
			fractures @ 99.0 m. Probable very fine grained dissemi-																				
			nated chalcopyrite hosted in a few pieces. Mafics to																				
			chlorite form fine dark spots, these are not as pronounced																				
			as in previous interval.																				

NORANDA EXPLORATION COMPANY LTD.

1=very weak 2=weak 3=moderate 4=strong 5=very strong

DATE COLLARED Aug 7/94	DATE COMPLETED Aug 9/94	CORE SIZE BDBGM	DIP TESTS				PROPERTY KLIYUL	PROJECT NO. 548
	FIELD CO-ORDINATES		DEPTH	BEARING		ANGLE		
LAT. 1740N	ELEV. 1755 m	DIP -70°	152.4	RECORDED	CORRECTED	RECORDED	CORRECTED	
DEP. 2880E	LENGTH	BEARING 035°						

LAT.	ELEV.	DIP	
DEP.	LENGTH	BEARING	
N.T.S. No. 94D/9	GRID NORTH (W.R.T. TRUE)		
SHEET 7 OF 11	MAGNETIC DECLINATION		
HOLE No. NK-94-23	LOGGED BY L. ERDMAN		
	DATE: August 11, 1994		

FROM	TO	ROCK TYPE	DESCRIPTION	GEOTECH FROM	GEOTECH TO	% RECOVERY	% Py	% Cp	% Mt	% Po	% Bo	Frac Dens	GEOCHEM FROM	GEOCHEM TO	Carb	Chlor	Ep	Ser	Sil	Gyp	ASSAY FROM	ASSAY TO	SAMPLE No.
101.2	103.6	AND	ANDESITE (FELDSPAR PHYRIC) - WELL BROKEN Green-grey. Foliated, mafic "spots" are rare. Carbonate fractures and veinlets have increased. 1-7% fine to coarse grained disseminated pyrite. Local 3% very fine grained disseminated chalcopyrite, not associated with pyrite. Pyrite content increases downhole.	101.2	103.6	100	5	0.5	-	-			101.2	103.6	3	-	-	4	-	-	100	102	69858
																					102	104	69859
103.6	117.6	MZ	MONZONITE (DYKE) FELDSPAR-HORNBLENDE As at 38.3 - 43.4 m. Medium grey, feldspar phenos to 4 mm, 1 mm hornblende needles. "Dotted" appearance. Pervasive weak epidote alteration. Fracture fill and veinlet carbonate or carbonate/chlorite. Local pervasive fine to medium grained magnetite, most of the dyke is magnetic. Chloritic fracture surfaces. Fractures range from 10° to 45° to CA. Local saussertization of groundmass feldspar. Upper contact shows a chilled margin which continues to 104.1. Feldspar phenos not present, hornblende needles present, foliated. Appears more acidic with less mafics overall. Lower contact is sharp at 20°.	103.6	117.6	100	<0.5	-	2	-		3	103.6	117.6	3	2	1	-	-				
117.6	119.2	AND	ANDESITE (FELDSPAR PHYRIC) Green-grey, gypsum veinlets (<1 mm) at 50° to 85° to CA. Quartz-carbonate veinlets at 45° displace gypsum veinlets left laterally (3 mm) downhole. Gypsum veinlets have pyritic selvages. Fine to medium grained pyrite also occurs disseminated in host rock much of it restricted to ghosty chloritized mafics. Feldspar are weakly sausseritized. One 1 mm chalcopyrite speck on selvage of quartz-carbonate veinlet. 118.3 to 119.2 m - Lighter green, locally silicified. Veining has increased so that the core has a crackle breccia texture. Gypsum and quartz-carbonate veinlets, local pervasive carbonate. Pyrite content only 1%.	117.6	119.2	100	2	<0.5	-	-		5	117.6	119.2	2	3	-	4	1	2	118	120	69860

NORANDA EXPLORATION COMPANY LTD.

1=very weak 2=weak 3=moderate 4=strong 5=very strong

DATE COLLARED Aug 7/94	DATE COMPLETED Aug 9/94	CORE SIZE BDBGM	DIP TESTS				PROPERTY KLIYUL		PROJECT NO. 548	N.T.S. No. 94D/9	GRID NORTH (W.R.T. TRUE)
FIELD CO-ORDINATES		DEPTH	BEARING		ANGLE					SHEET 8 OF 11	MAGNETIC DECLINATION
LAT. 1740N	ELEV. 1755 m	DIP -70°	152.4	RECORDED	CORRECTED	RECORDED	CORRECTED	LAT.	ELEV.	DIP	HOLE No.	LOGGED BY L. ERDMAN
DEP. 2880E	LENGTH	BEARING 035°						DEP.	LENGTH	BEARING	NK-94-23	DATE: August 11, 1994

				GEOTECH									GEOCHEM									ASSAY		
FROM	TO	ROCK TYPE	DESCRIPTION	FROM	TO	% RECOVERY	% Py	% Cp	% Mt	% Po	% Bo	Frac Dens	FROM	TO	Carb	Chlor	Ep	Ser	Sil	Gyp	FROM	TO	SAMPLE No.
119.2	132.2	AND	ANDESITE (FELDSPAR PHYRIC)	119.2	132.2	100	1	0.5	1	-		35	119.2	132.2	3	1	-	4	-	4	120	122	69861
			Medium to light green. Abundant (30%) white veins,																		122	124	69862
			veinlets, fractures, locally core has a "swirly" texture,																		124	126	69863
			is mottled, or has been fragmented. Veins etc. are filled																		126	128	69864
			with gypsum, carbonate, quartz-carbonate, or quartz.																		128	130	69865
			Overall the core has a stockwork texture. Carbonate																		130	132	69866
			veining has increased over previous interval, local pervasive																				
			carbonate but may be due to microscopic fractures.																				
			Trace amounts of chalcopyrite occur on selvages of																				
			gypsum veinlets at 120.9, 121.2, 121.9, 125.6, 126.1,																				
			128.1, 131.2, 131.3, 131.6, 128.4, 128.5, 129.1, 129.3,																				
			129.4, 129.8, 130 m. Disseminated magnetite also occurs																				
			in gypsum veinlets at 126.5-126.9, 128.2, 129.5, 129.8,																				
			131.3 m.																				
			Locally the dominant veinlet direction is 45° with another																				
			set at 90° to that. Minor veining runs parallel to CA.																				
			124.2 m - 1 cm quartz vein at 20° to CA. Pyrite is																				
			only rarely disseminated within the host rock, it generally																				
			occurs on selvages of veins, veinlets. Local flooding by																				
			gypsum.																				
			3% very fine grained disseminated pyrite and chalcopyrite																				
			occurs at 121.1 m and 121.7 m.																				
132.2	132.5	DYK	ANDESITE DYKE	132.2	132.5	100	1	2	-	-		10	132.2	132.5	-	3	-	4	-	2			
			Medium green-grey. "White" veinlets have decreased to																				
			1%, at 20° and 110° to CA. Other fractures with clear																				
			gypsum at some angles, horsetailing from the white																				
			veinlets or at 80° to CA. Fine grained chalcopyrite on																				
			selvages of veinlets and fractures. Upper and lower con-																				
			tact at dyke are both 45° to CA. 3% ghosty darker spots																				
			may be remnant pyroxene. No carbonate fractures on																				
			veinlets.																				

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DATE COLLARED Aug 7/94	DATE COMPLETED Aug 9/94	CORE SIZE BDBGM	DIP TESTS	PROPERTY KLIYUL	PROJECT NO. 548	N.T.S. No. 94D/9
	FIELD CO-ORDINATES		DEPTH / BEARING (RECORDED, CORRECTED) / ANGLE (RECORDED, CORRECTED)			SHEET 9 OF 11
LAT. 1740N	ELEV. 1755 m	DIP -70°	152.4	LAT. / ELEV.	DIP	HOLE No. NK-94-23
DEP. 2880E	LENGTH	BEARING 035°		DEP. / LENGTH	BEARING	

GRID NORTH (W.R.T. TRUE)
MAGNETIC DECLINATION
LOGGED BY L. ERDMAN
DATE: August 11, 1994

FROM	TO	ROCK TYPE	DESCRIPTION	GEOTECH FROM	GEOTECH TO	% RECOVERY	% Py	% Cp	% Mt	% Po	% Bo	Frac Dens	GEOCHEM FROM	GEOCHEM TO	Carb	Chlor	Ep	Ser	Sil.	Gyp	ASSAY FROM	ASSAY TO	SAMPLE No.
132.5	140.4	AND	ANDESITE	132.5	140.4	100	1	1	1	-		30	132.5	140.4	-	1	-	4	-	3	132	134	69867
			Similar to interval 119 to 132.2 m but less carbonate, and																		134	136	69868
			white coloured veinlets are not as well developed or as																		136	138	69869
			abundant (20%). Chalcopyrite and magnetite occur																		138	140	69870
			associated with gypsum fractures or veinlets as before.																				
			Microfractures healed by grey (clear) gypsum. Angles																				
			from 20° to 90° to CA. Core has a swirly, mottled or																				
			breccia texture but not sections of stockwork veining as																				
			as in 119 to 132.2 m.																				
			Chalcopyrite at 132.5 - 132.6 (3%), 133.8, 133.9 to 134.1																				
			(2%), 134.1-134.6 (0.5%), 135.0, 135.3, 135.6, 135.9-																				
			136.0 (5%), 136.25, 136.6-136.7 (1%), 137.1, 137.5,																				
			137.7, 137.8, 138.0, 138.25, 138.47, 138.56, 139-139.1																				
			(1%), 139.2 139.3, 139.6-140 (3%), 140.2.																				
			Magnetite at 135.2, 137.6-138.0 (5%), 138.4.																				
			Some chalcopyrite is associated closely with pyrite.																				
			Pyrite occurs on selvages of gypsum veinlets and																				
			fractures, and only rarely is disseminated.																				
			135.1 m - 0.5 mm quartz vein at 50°. Lower contact																				
			marked by 1 cm gypsum-magnetite vein at 15° to CA.																				
140.4	146.85	AND	ANDESITE (FELDSPAR PHYRIC)	140.4	146.85	100	2	<1	2	-		20	140.4	146.9	1	2	1	4	-	3	140	142	69871
			Green-grey, ghosty white mottled spotting in some																		142	144	69872
			sections. Very few (<5%) white veinlets. Subparallel																		144	146	69873
			fractures, subparallel to CA. 140.7 to 141.3 m gives the																				
			core a shattered appearance. Gypsum healed fractures																				
			at all angles to CA. Pyrite generally occurs in veinlet and																				
			fracture selvages but downhole minor sections show fine																				
			grained pyrite to 2%. Siliceous magnetite occurs as																				
			bands with gypsum forming pistachio green "veins".																				
			Chalcopyrite is not as abundant, but occurs with gypsum																				
			as seen previously. Chalcopyrite decreases downhole.																				
			Rare local "spots" of epidote. Short (<1 cm) silicified																				
			sections are a pistachio green colour. Rare carbonate																				
			associated with quartz or gypsum in white veinlets.																				

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DATE COLLARED Aug 7/94	DATE COMPLETED Aug 9/94	CORE SIZE BDBGM	DIP TESTS				PROPERTY KLIYUL		PROJECT NO. 548	N.T.S. No. 94D/9	GRID NORTH (W.R.T. TRUE)
FIELD CO-ORDINATES		DEPTH	BEARING		ANGLE					SHEET 10 OF 11	MAGNETIC DECLINATION
LAT. 1740N	ELEV. 1755 m	DIP -70°	152.4	RECORDED	CORRECTED	RECORDED	CORRECTED	LAT.	ELEV.	DIP	HOLE No.	LOGGED BY L. ERDMAN
DEP. 2880E	LENGTH	BEARING 035°						DEP.	LENGTH	BEARING	NK-94-23	DATE: August 11, 1994

FROM	TO	ROCK TYPE	DESCRIPTION	GEOTECH FROM	GEOTECH TO	% RECOVERY	% Py	% Cp	% Mt	% Po	% Bo	Frac Dens	GEOCHEM FROM	GEOCHEM TO	Carb	Chlor	Ep	Ser	Sil	Gyp	ASSAY FROM	ASSAY TO	SAMPLE No.
			Chalcopyrite at 140.6, 140.7, 140.9, 141.4, 141.65, 143.7																				
			144.1, 144.3 (gypsum vein at 30° to CA), 145.3, 145.5,																				
			145.9, 146.7. Magnetite at 141.6 - 141.8, 142.3, 142.7																				
			(30° to CA), 143 (45° to CA with 4 mm quartz veinlet at																				
			135° to CA). Some sections show ghosty chloritic spots																				
			on a fractured surface, possibly remnant pyroxene.																				
146.85	149.6	AND	ANDESITE FELDSPAR PHYRIC	146.85	149.6	100	<0.5	<0.5	-			30	146.9	149.6	1	1	-	4	2	4	146	148	69874
			Light green, local breccia texture. Pervasive sericite,																		148	150	69875
			locally moderately silicified. Chlorite fracture surfaces.																				
			Local mottled appearance with buff coloured "spots".																				
			Short sections of pervasive gypsum alteration cause the																				
			core to be clay-like. Gypsum fracture fill.																				
			148.4 m - 5 mm gypsum vein parallel to CA.																				
			Disseminated or fracture filled pyrite is rare. Possible																				
			very fine grained chalcopyrite at 149.5 m. Breccia																				
			sections have fragments from 1 mm to 1 cm, a gypsum																				
			matrix, and trend at 10° to CA, may contain some very																				
			fine grained chalcopyrite.																				
149.6	152.0	AND	ANDESITE (FELDSPAR PHYRIC)	149.6	152.0	100	1	0.5	-			30	149.6	152.0	1	-	-	4	3	3	150	152	69876
			Similar to bottom section of 140.4 to 146.85 m. Gypsum																				
			fractures at 45° and 135° to CA are dominant but fractures																				
			trend in all other directions also. Silicified sections related																				
			to quartz veinlets. Minor quartz filled fractures.																				
			150.3 m - 2 cm gypsum breccia at 20° to CA.																				
			150.4 m - 4 mm quartz (50% pyrite) veinlet at 15° to CA.																				
			149.8 m - 2 cm quartz-gypsum vein at 45° to CA.																				
			Gypsum in center - quartz on selvage (2 mm). Trace																				
			chalcopyrite on outer edge of quartz selvage.																				
			150.7 to 150.9 m - Silicified section with 3% pyrite and																				
			0.5% chalcopyrite disseminated.																				
			151.2 m - Quartz-gypsum fracture/veinlet at 12° to CA																				
			with 5% disseminated chalcopyrite on selvages. Chalco-																				
			pyrite appears to be associated with the quartz rich parts																				

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DATE COLLARED Aug 7/94	DATE COMPLETED Aug 9/94	CORE SIZE BDBGM	DIP TESTS				PROPERTY KLIYUL		PROJECT NO. 548	N.T.S. No. 94D/9	GRID NORTH (W.R.T. TRUE)
FIELD CO-ORDINATES		DEPTH	BEARING		ANGLE					SHEET 11 OF 11	MAGNETIC DECLINATION
LAT. 1740N	ELEV. 1755 m	DIP -70°	152.4	RECORDED	CORRECTED	RECORDED	CORRECTED	LAT.	ELEV.	DIP	HOLE No.	LOGGED BY L. ERDMAN
DEP. 2880E	LENGTH	BEARING 035°						DEP.	LENGTH	BEARING	NK-94-23	DATE: August 11, 1994

				GEOTECH									GEOCHEM									ASSAY		
FROM	TO	ROCK TYPE	DESCRIPTION	FROM	TO	% RECOVERY	% Py	% Cp	% Mt	% Po	% Bo	Frac Dens	FROM	TO	Carb	Chlor	Ep	Ser	Sil	Gyp	FROM	TO	SAMPLE No.
			of the vein rather than the gypsum parts.																				
			151.6 m - Trace chalcopyrite in and on selvages of 2 mm																				
			quartz veinlet (45° to CA). The vein is within a silicified																				
			section of this interval.																				
			151.9 m - 1 m gypsum veinlet at 40° to CA with 1%																				
			chalcopyrite on selvage.																				
152.0	152.4	AND	ANDESITE (FELDSPAR PHYRIC)	152.0	152.4	100	<0.5	<0.5	-			25	152.0	152.4	-	-	-	1	4	1			
			Light green-grey, completely silicified. Quartz fracture																				
			fill, minor gypsum fractures. Interval begins with 1 cm																				
			quartz vien @ 60°. Veinlets at 40° to 80° (quartz filled),																				
			rare ones at 130°. Fractures from 40 to 80° also.																				
			Chalcopyrite in fractures at 152.1 m.																				
			Sausseritized feldspar forms 1 mm buff coloured dots.																				
			Rare disseminated pyrite noted.																				

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DATE COLLARED Aug 9/94	DATE COMPLETED Aug 11/94	CORE SIZE BDBGM	DIP TESTS	PROPERTY KLIYUL	PROJECT NO. 548	N.T.S. No. 94D/9
	FIELD CO-ORDINATES		DEPTH: 64.0 M; BEARING: RECORDED / CORRECTED; ANGLE: RECORDED / CORRECTED			SHEET 1 OF 4
LAT. 1908N	ELEV. 1750 m	DIP -70°		LAT. / DEP.	ELEV. / LENGTH	DIP / BEARING
DEP. 2866E	LENGTH	BEARING 035°				HOLE No. NK-94-24

GRID NORTH (W.R.T. TRUE)
MAGNETIC DECLINATION
LOGGED BY L. ERDMAN
DATE: August 12, 1994

FROM	TO	ROCK TYPE	DESCRIPTION	GEOTECH FROM	GEOTECH TO	% RECOVERY	% Py	% Cp	% Mt	% Po			GEOCHEM FROM	GEOCHEM TO	Carb	Chlor	Ep	Sil	Ser		ASSAY FROM	ASSAY TO	SAMPLE No.
			Entire core is shattered into small pieces.																				
0.0	6.4	OB	OVERBURDEN	6.1	9.1	50																	
6.4	34.4	AND	ANDESITE	6.4	34.4	X	5	3	40	-			6.4	34.4	1	1	3	3	1		8.1	10.1	697
			Core has a spotted-mottled appearance of green and dark	9.1	12.2	50															10.1	12.2	697
			grey. Pervasive and fracture filled epidote varying in	12.2	15.2	100															12.2	13.2	697
			intensity. Very fine grained to fine grained magnetite is	15.2	18.3	70															13.2	14.2	697
			disseminated throughout (4-15%), but in addition there are	18.3	21.3	700															14.2	15.2	697
			spotty magnetite-silica areas (5 mm). Moderately	21.3	24.4	60															15.2	16.2	697
			silicified with 0-20% very fine grained disseminated pyrite.	24.4	27.4	90															16.2	17.2	697
			Quartz veinlets, some host to 1% chalcopyrite. Chlorite	27.4	30.5	100															17.2	18.3	697
			fracture fill. Spotted appearance generally caused by	30.5	33.5	66															18.3	19.3	697
			magnetite-silica concentrations but some spots are non-																		19.3	20.3	697
			magnetic mafic minerals (pyroxene?). Locally fracture fill																		20.3	21.3	698
			carbonate and pervasive carbonate in fracture envelope																		21.3	22.3	698
			(26.2, 27.4, 33.2, 34 m). Very fine grained disseminated																		22.3	23.3	698
			chalcopyrite throughout (trace amounts).																		23.3	24.4	698
			At 30.6 m - <1 cm pieces of black silica-magnetite. Larger																		24.4	25.4	698
			pieces show quartz veinlets within disseminated chalco-																		25.4	26.4	698
			pyrite, and silica-magnetite "bands".																		26.4	27.4	698
			28.9 m - 5% very fine grained disseminated chalcopyrite.																		27.4	28.4	698
			30.2 m - 5% very fine grained disseminated chalcopyrite.																		28.4	29.4	698
			33.3 m - 2% fracture fill chalcopyrite and chalcopyrite in																		29.4	30.5	698
			quartz veinlets.																		30.5	31.5	698
			32.7 m - 3% fine grained disseminated chalcopyrite																		31.5	32.5	698
			associated with quartz-magnetite and in quartz fractures.																		32.5	33.5	698
			30.5 to 34.4 m - 50% magnetite and "spotty" texture is																		33.5	34.5	698
			absent.																				
			Above 30.5 m - Magnetite content is ~30% with local																				
			sections of 20%.																				

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DATE COLLARED Aug 9/94	DATE COMPLETED Aug 11/94	CORE SIZE BDBGM	DIP TESTS				PROPERTY KLIYUL		PROJECT NO. 548	N.T.S. No. 94D/9	GRID NORTH (W.R.T. TRUE)
FIELD CO-ORDINATES		DEPTH	BEARING		ANGLE					SHEET 2 OF 4	MAGNETIC DECLINATION
LAT. 1908N	ELEV. 1750 m	DIP -70°	64.0 M	RECORDED	CORRECTED	RECORDED	CORRECTED	LAT.	ELEV.	DIP	HOLE No.	LOGGED BY L. ERDMAN
DEP. 2866E	LENGTH	BEARING 035°						DEP.	LENGTH	BEARING	NK-94-24	DATE: August 12, 1994

FROM	TO	ROCK TYPE	DESCRIPTION	GEOTECH FROM	GEOTECH TO	GEOTECH % RECOVERY	GEOTECH % Py	GEOTECH % Cp	GEOTECH % Mt	GEOTECH % Po	GEOTECH Frac Dens	GEOCHEM FROM	GEOCHEM TO	GEOCHEM Carb	GEOCHEM Chlor	GEOCHEM Ep	GEOCHEM Sil	GEOCHEM Ser	ASSAY FROM	ASSAY TO	SAMPLE No.
34.4	35.5	AND	ANDESITE? (FELDSPAR PHYRIC) OR MONZONITE?	34.5	35.5	66	<0.5	2	20	-		34.5	35.5	-	-	2	3	2	34.5	35.5	69814
			Light coloured with black magnetite spots (20%).																		
			Silicified, with silica - chalcopyrite fractures, or silica/																		
			epidote fractures. <1% fine grained chalcopyrite within																		
			the host rock. Rare disseminations and fracture filled																		
			pyrite.																		
35.5	45.8	AND	ANDESITE (FELDSPAR PHYRIC)	35.5	45.8	X	1	2	30	-		35.5	45.8	1	1	3	3	1	35.5	36.6	69815
			Generally similar to first interval from 0.0 to 30.5 m with																36.6	37.6	69816
			30% magnetite and a "spotted" texture. Fracture fill																37.6	38.6	69817
			and pervasive carbonate is of local occurrence. No																38.6	39.6	69818
			pyritic concentrations >2%.																39.6	40.6	69819
			35.5 to 37.1 m - More magnetic with 40% magnetite																40.6	41.6	69820
			and 3-5% very fine grained disseminated chalcopyrite.																41.6	42.6	69821
																			42.6	45.7	69822
45.8	49.4	AND	ANDESITE(?)	45.8	49.4	X	<0.5	2	70			45.8	49.4	-	-	1	5	-	45.7	49.4	69823
			From 45.8 to 48.8 m there was no recovery in the first	45.7	48.8	8															
			core barrel. The second try gave 8% recovery. Dark grey	48.8	51.8	66															
			to white/black spotted pieces, some pieces are greenish.																		
			Completely silicified with epidote fractures and massive																		
			disseminated very fine grained magnetite. Magnetite-																		
			silica in bands. Very fine grained disseminated chalco-																		
			pyrite in the matrix, appears to be confined to quartz																		
			fractures and in siliceous areas without magnetite. Trace																		
			disseminated pyrite.																		
49.4	51.6	AND	ANDESITE(?) OR MONZONITE(?)	49.4	51.6	66	-	2	30			49.4	51.6	-	-	1	3	1	49.4	51.8	69824
			Similar to interval 34.4 to 35.5 m. Lighter overall colour																		
			with black magnetite "spots". Very fine grained chalco-																		
			pyrite varies from 1% to 5% higher abundance in quartz-																		
			rich fractures. Rare epidote fracture fill.																		

NORANDA EXPLORATION COMPANY LTD.

1=very weak 2=weak 3=moderate 4=strong 5=very strong

DATE COLLARED Aug 9/94	DATE COMPLETED Aug 11/94	CORE SIZE BDBGM	DIP TESTS	PROPERTY KLIYUL	PROJECT NO. 548	N.T.S. No. 94D/9	GRID NORTH (W.R.T. TRUE)
	FIELD CO-ORDINATES		DEPTH 64.0 M	BEARING: RECORDED / CORRECTED; ANGLE: RECORDED / CORRECTED		SHEET 3 OF 4	MAGNETIC DECLINATION
LAT. 1906N	ELEV. 1750 m	DIP -70°		LAT. / ELEV. / DIP		HOLE No.	LOGGED BY L. ERDMAN
DEP. 2866E	LENGTH	BEARING 035°		DEP. / LENGTH / BEARING		NK-94-24	DATE: August 12, 1994

FROM	TO	ROCK TYPE	DESCRIPTION	GEOTECH FROM	GEOTECH TO	% RECOVERY	% Py	% Cp	% Mt	% Po	Frac Dens		GEOCHEM FROM	GEOCHEM TO	Carb	Chlor	Ep	Sil	Ser		ASSAY FROM	ASSAY TO	SAMPLE No.
51.6	52.9	AND	ANDESITE	51.6	52.9	100	<0.5	1	30				51.6	52.9	-	-	2	2	2		51.8	52.8	69825
			Similar to 35.5 to 45.8 m but with 2 strongly sericitic																				
			sections from 51.8 to 51.9 m and 52.0 to 52.1 m which																				
			are only weakly magnetic. 1% very fine grained dissemi-																				
			nated chalcopyrite. Rare pyrite.																				
52.9	60.1	MZ	MONZONITE (FINE GRAINED)	52.9	60.1	100	<0.5	2	35				52.9	60.1	-	-	2	-	2		52.8	53.8	69826
			Light green, fine grained sugary texture. Generally un-																		53.8	54.9	69827
			silicified. <1 mm lathe-shaped magnetite is disseminated																		54.9	55.9	69828
			evenly throughout and is weakly aligned. Trace of very																		55.9	56.9	69829
			fine grained disseminated chalcopyrite on margins of																		56.9	57.9	69830
			magnetite grains. Chalcopyrite also occurs as smears on																		57.9	58.9	69831
			fracture surfaces. Epidote fracture fill, weakly developed.																				
			Rare quartz flooding adjacent to fractures. 5% larger																				
			magnetite-silica "spots". Rare disseminated cubic pyrite.																				
			Quartz grains (1%). Lathe shaped magnetite may be re-																				
			placing hornblende crystals.																				
60.1	60.9	AND	ANDESITE(?)	60.1	60.9	100	<0.5	<0.5	15				60.1	60.9	1	3	-	-	4		58.9	59.9	69832
			Medium grey-green, sugary texture, foliated. Magnetite																		59.9	61	69833
			fracture fill, fine grained disseminated magnetite.																				
			Gradational contact with above interval. Foliations poorly																				
			defined by ghosty chloritic darker green-grey streaks in a																				
			medium green-grey groundmass. Darker streaks have																				
			20% magnetite and magnetite disseminated in matrix																				
			(3% to 5%). Local carbonate fracture fill. Possibly very																				
			fine grained "smeared" chalcopyrite noted in one piece.																				
			Rare pyrite.																				

NORANDA EXPLORATION COMPANY LTD.

1=very weak 2=weak 3=moderate 4=strong 5=very strong

DATE COLLARED Aug 9/94	DATE COMPLETED Aug 11/94	CORE SIZE BDBGM	DIP TESTS					PROPERTY KLIYUL	PROJECT NO. 548	N.T.S. No. 94D/9
	FIELD CO-ORDINATES		DEPTH	BEARING		ANGLE				SHEET 4 OF 4
LAT. 1908N	ELEV. 1750 m	DIP -70°	64.0 M	RECORDED	CORRECTED	RECORDED	CORRECTED	LAT. / ELEV. / DIP		HOLE No. NK-94-24
DEP. 2866E	LENGTH	BEARING 035°						DEP. / LENGTH / BEARING		

GRID NORTH (W.R.T. TRUE)
MAGNETIC DECLINATION
LOGGED BY L. ERDMAN
DATE: August 12, 1994

FROM	TO	ROCK TYPE	DESCRIPTION	GEOTECH FROM	GEOTECH TO	% RECOVERY	% Py	% Cp	% Mt	% Po	Frac Dens		GEOCHEM FROM	GEOCHEM TO	Carb	Chlor	Ep	Sil	Ser		ASSAY FROM	ASSAY TO	SAMPLE No.
60.9	62.0	DAC	DACITE DYKE? Light grey, well foliated. Non-magnetic. 1-7% fine to medium grain (cubic) pyrite. Local fracture fill carbonate. Two pieces show very fine grain chalcopyrite in frac-tures. Quartz veinlets (rare). Fault gouge mud at 61.0 m. Chalcopyrite does not appear to be associated with pyrite. Trace chalcopyrite in quartz veinlets.	60.9	62.0	50	5	0.5	-				60.9	62.0	1	-	-	1	5		61	64	69834
62.0	64.0	AND	ANDESITE(?) Medium to dark green, foliated. Dark green streaks in foliation plane are moderately chloritized and host 30% fine grained disseminated magnetite. Magnetite also occurs as (5%) discrete grains within the host rock. Rare disseminated pyrite within foliation planes. No visible chalcopyrite. Interval is similar to 60.1 to 60.9 m but foliations are more well defined.	62.0	64.0	50	<0.5	-	20				62.0	64.0	-	3	-	-	4				
			The hole was stopped due to caving.																				

NORANDA EXPLORATION COMPANY LTD.

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Date Collared Aug 11/94	DATE COMPLETED Aug 12/94	CORE SIZE BDBGM	DIP TESTS	PROPERTY KLIYUL	PROJECT NO. 548	N.T.S. No. 94D/9
	FIELD CO-ORDINATES		DEPTH 131.1	BEARING: RECORDED / CORRECTED; ANGLE: RECORDED / CORRECTED		SHEET 1 OF 10
LAT. 1910N	ELEV. 1760	DIP -70°		LAT. / ELEV. / DIP		HOLE No. NK-94-25
DEP. 2555E	LENGTH	BEARING 035°		DEP. / LENGTH / BEARING		

GRID NORTH (W.R.T. TRUE)
MAGNETIC DECLINATION
LOGGED BY L. ERDMAN
DATE: August 15, 1994

FROM	TO	ROCK TYPE	DESCRIPTION	GEOTECH FROM	GEOTECH TO	% RECOVERY	% Py	% Cp	% Mt	Frac Dens			GEOCHEM FROM	GEOCHEM TO	Carb	Chlor	Ep	Ser	Sil	Gyp	ASSAY FROM	ASSAY TO	SAMPLE No.
0	9.1	OB	OVERBURDEN																				
9.1	24.3	AND	ANDESITE VOLCANICLASTICS WELL BROKEN	9.1	24.3	-	1	<0.5	15				9.1	24.3	1	2	1	3	-	-			
			Medium grey-green colour, platy to chlorite. Epidote	9.1	12.2	17																	
			fracture fill, local epidote "spots" (remnant feldspar).	12.2	15.3	97																	
			0% to 2% fine grained to medium grained cubic dissemi-	15.3	18.3	23																	
			nated pyrite. Saussertized feldspar. Below 14.4 m,	18.3	21.3	27																	
			locally 20% magnetite as disseminated grains, associated	21.3	24.3	73																	
			with chloritized mafics or as patchy areas. Rare																				
			carbonate as fracture fill. Rare quartz fractures with 10%																				
			coarse grained pyrite and trace very fine grained chalco-																				
			pyrite.																				
24.3	32.0	AND	ANDESITE(?) VOLCANICLASTIC(?) WELL BROKEN	24.3	32.0	-	12	-	-				24.3	31.8	1	-	-	4	-	-			
			Light green, pervasive sericite. Locally siliceous but this	24.3	27.4	33																	
			is probably primary. Fragments with ≤1 mm mafic	27.4	30.5	100																	
			crystals, in matrix of strongly sericitic rock. 7%-15%	30.5	33.5	100																	
			coarse grained (cubic) pyrite. Platy fractures. Rare																				
			carbonate fracture fill. Becoming more visibly foliated																				
			downsection with more highly sericitic elongate blebs in																				
			foliation plane.																				
32.0	35.3	AND	ANDESITE(?) (AUGITE-FELDSPAR) WELL BROKEN	32.0	35.3	-	<0.5	0.5	2				32.0	35.3	1	-	3	2	3	-			
			Dark/light green, spotted appearance. Epidote fracture	33.5	36.6	83																	
			fill and pervasive. Moderately silicified. Some pieces																				
			show very fine grained chalcopyrite on fracture surfaces.																				
			Locally moderately magnetic with disseminated or patchy																				
			magnetite. Feldspar to epidote, mafics to chlorite. Trace																				
			disseminated pyrite.																				
35.3	36.6	DYK	ANDESITE DYKE BROKEN	35.3	36.6	83	-	-	1				35.3	36.6	3	2	1	-	-	-			
			Feldspar phyric fine grained dyke. Unfoliated, likely																				
			chloritic. Rare epidote/carbonate fracture fill. Pervasive																				
			carbonate. Feldspar to epidote. Discrete disseminated																				
			magnetite grains throughout.																				

NORANDA EXPLORATION COMPANY LTD.

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Date Collared Aug 11/94	DATE COMPLETED Aug 12/94	CORE SIZE BDBGM	PROPERTY KLIYUL	PROJECT NO. 548	N.T.S. No. 94D/9
				SHEET 2 OF 10	GRID NORTH (W.R.T. TRUE)
					MAGNETIC DECLINATION
LAT. 1910N	ELEV. 1760	DIP -70°	LAT. / ELEV. / DIP	HOLE No. NK-94-25	LOGGED BY L. ERDMAN
DEP. 2555E	LENGTH	BEARING 035°	DEP. / LENGTH / BEARING		DATE: August 15, 1994

FIELD CO-ORDINATES

DIP TESTS: DEPTH	BEARING RECORDED	BEARING CORRECTED	ANGLE RECORDED	ANGLE CORRECTED
131.1				

FROM	TO	ROCK TYPE	DESCRIPTION	GEOTECH FROM	GEOTECH TO	% RECOVERY	% Py	% Cp	% Mt	Frac Dens			GEOCHEM FROM	GEOCHEM TO	Carb	Chlor	Ep	Ser	Sil	Gyp	ASSAY FROM	ASSAY TO	SAMPLE No.
36.6	38.9	AND	ANDESITE WELL BROKEN	36.6	38.9	100	5	-	-				36.6	38.9	1	1	1	4	-	-			
			Light green-grey, foliated. Poorly defined foliations of slightly darker green, chloritic, elongated blebs (mafics). Minor epidote fracture fill 2-7% medium to coarse grained pyrite, and pyrite in foliation planes. Local short sections of more highly sericitic rock contain up to 20% very fine grained pyrite. Minor carbonate fracture fill.																				
38.9	41.0	AND	ANDESITE (FELDSPAR PHYRIC) SHATTERED	38.9	41.0	100	1	-	2				38.9	41.0	2	2	-	3			38.9	40.9	69895
			Medium green-grey, locally foliated as in previous interval but generally unfoliated. Mafics altered to chlorite (ghosty dark patches), some of which host magnetite. Adjacent to the magnetite/chlorite areas the matrix hosts 2% fine grained magnetite as discrete grains. Fine grained to medium grained pyrite ranges from <1% in unfoliated sections to 3% in foliated sections. Carbonate as fracture fill, locally pervasive.																				
41.0	41.6	AND	ANDESITE(?) SHATTERED	41.0	41.6	100	3	1	15				41.0	41.6	1	-	1	4			40.9	41.9	69896
			Medium green-grey, foliated. 2-10% fine grained pyrite, also fracture fill pyrite. 20% magnetite as disseminated grains or as magnetite/silica blebs of 80% magnetite. These blebs parallel foliation. Very fine grained chalco-pyrite. Carbonate fracture fill, epidote fracture fill.																				
41.6	42.2	DYK	ACIDIC DYKE(?) SHATTERED	41.6	42.2	100	10	-	-				41.6	42.2	1	-	-	1	-	-	41.9	43.9	69897
			Light grey. Interval starts with 1 cm "clay" fault gouge. Fine grained to medium grained cubic pyrite concentrated along foliation planes. Weak pervasive carbonate.																				

NORANDA EXPLORATION COMPANY LTD.

1=very weak 3=moderate 5=very strong
2=weak 4=strong

Date Collared Aug 11/94	DATE COMPLETED Aug 12/94	CORE SIZE BDBGM	DIP TESTS	PROPERTY KLIYUL	PROJECT NO. 548	N.T.S. No. 94D/9 — GRID NORTH (W.R.T. TRUE)
	FIELD CO-ORDINATES		DEPTH / BEARING (RECORDED, CORRECTED) / ANGLE (RECORDED, CORRECTED)			SHEET 3 OF 10 — MAGNETIC DECLINATION
LAT. 1910N	ELEV. 1760	DIP -70°	131.1	LAT. / ELEV.	DIP	HOLE No. — LOGGED BY L. ERDMAN
DEP. 2555E	LENGTH	BEARING 035°		DEP. / LENGTH	BEARING	NK-94-25 — DATE: August 15, 1994

FROM	TO	ROCK TYPE	DESCRIPTION	GEOTECH FROM	GEOTECH TO	% RECOVERY	% Py	% Cp	% Mt	Frac Dens			GEOCHEM FROM	GEOCHEM TO	Carb	Chlor	Ep	Ser	Sil	Gyp	ASSAY FROM	ASSAY TO	SAMPLE No.
42.2	45.9	AND	ANDESITE SHATTERED	42.2	45.9	-	3	-	2				42.2	45.9	3	1	-	4			43.9	45.9	69898
			Medium green-grey, poorly defined foliation. 2% mafics,	42.7	45.7	83																	
			altering to chlorite +/- pyrite. 0-5% fine grained to																				
			medium grained pyrite.																				
			43.6 to 44.0 m and 45 to 45.2 m - 20% magnetite occurs																				
			in chloritic blebs and streaks. Local magnetite-rich																				
			sections also host pyrite. Pervasive carbonate. Some																				
			pieces look intrusive, others are silicified.																				
45.9	61.7	MZ	MONZONITE DYKE BROKEN	45.9	61.7	100	<0.5	X	<1				45.9	61.7	3	2	-	-	-				
			Light grey, fine grained. 30%, ≤1 mm mafics, many of																				
			them needlelike (hornblende?). Rare fine grained pyrite.																				
			≤1% discrete, disseminated fine grained magnetite grains.																				
			46.2 to 46.7 m - Vertical "clay" fault gouge on ½ of core.																				
61.7	62.3	AND	ANDESITE (FELDSPAR PHYRIC) SHATTERED	61.7	62.3	-	5	-	-				61.7	62.3	3	1	-	3	-				
			Medium green-grey, 2-7% fine grained to coarse grained	61.0	64.0	90																	
			pyrite. Pervasive carbonate. Local pieces have a breccia																				
			texture. Not magnetic. Broken quartz veins. "Clay"																				
			fault gouge occurs throughout the interval.																				
62.3	64.0	DAC	DACITE WELL BROKEN	62.3	64.0	90	-	-	-				62.3	64.0	3	-	-	-	-				
			Ash flow tuff. Squashed shards form a foliation. Rare																				
			1 mm quartz eyes. 1% white amygdules (2-4 mm) filled																				
			with quartz or ? (not carbonate). Rare darker green																				
			elongated squashed blebs with pink/purple carbonate																				
			interiors, possibly altered volcanic glass.																				
64.0	64.6	AND	ANDESITE(?) DYKE(?) BROKEN	64.00	64.6	92	-	-	-				64.0	64.6	4	2	-	1	-				
			Fine grained, medium grey, pervasive carbonate, well																				
			foliated. 5%, 4 mm long, discontinuous dark grey-green																				
			stretched chloritic streaks @ 30° define foliation. Rare																				
			carbonate veinlets @ 45°.																				

NORANDA EXPLORATION COMPANY LTD.

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Date Collared Aug 11/94	DATE COMPLETED Aug 12/94	CORE SIZE BDBGM	DIP TESTS					PROPERTY KLIYUL	PROJECT NO. 548	N.T.S. No. 94D/9	GRID NORTH (W.R.T. TRUE)
	FIELD CO-ORDINATES		DEPTH	BEARING		ANGLE				SHEET 4 OF 10	MAGNETIC DECLINATION
LAT. 1910N	ELEV. 1760	DIP -70°	131.1	RECORDED	CORRECTED	RECORDED	CORRECTED	LAT.	ELEV. / DIP	HOLE No.	LOGGED BY L. ERDMAN
DEP. 2555E	LENGTH	BEARING 035°						DEP.	LENGTH / BEARING	NK-94-25	DATE: August 15, 1994

FROM	TO	ROCK TYPE	DESCRIPTION		GEOTECH FROM	TO	% RECOVERY	% Py	% Cp	% Mt	Frac Dens			GEOCHEM FROM	TO	Carb	Chlor	Ep	Ser	Sil	Gyp	ASSAY FROM	TO	SAMPLE No.
64.6	66.1	DAC	DACITE	WELL BROKEN	64.6	66.1	93	-	-	-				64.6	66.1	3	-	-	-	-				
			Ash flow tuff. Same as 62.3 to 64.0 m.																					
66.1	68.7	AND	ANDESITE? VOLCANICLASTIC	SHATTERED	66.1	68.7	95	1	-	<0.5				66.1	68.7	2	-	-	4	-	-			
			Medium grey-green, ghosty spotted texture. Pervasive/ fracture fill carbonate. Rare quartz eyes. A few pieces of white quartz indicates veining. Trace to 3% medium grained pyrite and 1% pyrite blebs replacing mafics. Some pieces show sub-rounded "blebs" of chlorite/ magnetite.																					
68.7	70.1	MZ	MONZONITE(?)	SHATTERED	68.7	70.1	100	1	-	3				68.7	70.1	1	1	-	2	-	-	68.7	70.7	69899
			Buff to light grey. Fine grained magnetite in streaks, needle like crystals and round patchy areas. Patchy areas are siliceous. 1% quartz blebs. 1-3% very fine grained pyrite in 1 mm disseminated blebs, appears to be replacing mafics, also fine grained pyrite. Pervasive/ fracture fill carbonate.																					
70.1	76.3	MZ	MONZONITE	SHATTERED	70.1	76.3	-	<1	<0.5	10				70.1	76.3	-	2	2	2	-	-	70.7	71.7	69900
			Spotty texture of medium/dark green. Feldspar are		70.1	73.1	100															71.7	73.7	69901
			sausseritized or have altered to epidote. 2-3% glassy		73.1	76.2	37															73.7	76.4	69902
			quartz blebs of <1 mm. Rare fine grained pyrite. Non-siliceous magnetite blebs of 80% magnetite forming dark spots. Epidote fracture fill at 73.1 m. Rare very fine grained chalcopyrite on selvage of quartz blebs and possibly on selvage of magnetite blebs.																					
76.3	79.0	AND	ANDESITE DYKE	BROKEN	76.3	79.0	100	-	<0.5	1				76.3	79.0	1	2	1	3	-	-			
			Light grey, fine grained carbonate veinlets and fracture fill, local 1-2 mm carbonate "spots". No hornblende. Bleb of chalcopyrite(?) on carbonate veinlet at 76.8 m. Locally 10%, <0.5 mm, black dots of magnetite. Chlorite fracture fill. Local disseminated epidote "spots" (altered mafics). Mafics to chlorite/epidote.																					

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Date Collared Aug 11/94	DATE COMPLETED Aug 12/94	CORE SIZE BDBGM	DIP TESTS		PROPERTY KLIYUL	PROJECT NO. 548	N.T.S. No. 94D/9
	FIELD CO-ORDINATES		DEPTH	BEARING / ANGLE			SHEET 5 OF 10
LAT. 1910N	ELEV. 1760	DIP -70°	131.1	RECORDED / CORRECTED / RECORDED / CORRECTED	LAT. / ELEV.	DIP	HOLE No.
DEP. 2555E	LENGTH	BEARING 035°			DEP. / LENGTH	BEARING	NK-94-25

GRID NORTH (W.R.T. TRUE)
MAGNETIC DECLINATION
LOGGED BY L. ERDMAN
DATE: August 15, 1994

FROM	TO	ROCK TYPE	DESCRIPTION	GEOTECH FROM	GEOTECH TO	% RECOVERY	% Py	% Cp	% Mt	Frac Dens			GEOCHEM FROM	GEOCHEM TO	Carb	Chlor	Ep	Ser	Sil	Gyp	ASSAY FROM	ASSAY TO	SAMPLE No.
79.0	81.8	MZ	MONZONITE SHATTERED Light grey, fine grained, sugary texture. 2-3% quartz blebs, quartz veinlets, pervasive/fracture fill carbonate, fracture fill/disseminated pyrite (2-10%). Needles and discrete grains of magnetite (5%) but locally strongly magnetic in the 70% magnetite in silica/magnetite fracture fill and streaky blebs.	79.0	81.8	100	7	-	7				79.0	81.8	1	-	-	3	-	-	79.0	81.0	69903
81.8	82.3	AND	ANDESITE VOLCANICLASTIC SHATTERED Dark grey-green, foliated. Mafics altered to chlorite ± magnetite. Rare quartz blebs. 0-2% fine grained/fracture fill pyrite. 2% fine grained magnetite plus magnetite in the chloritized mafics. Locally it appears the chlorite is altering to sericite(?).	81.8	82.3	100	1	0.5	2				81.8	82.3	1	1	-	4			81.0	83.0	69904
82.3	83.8	DAC	DACITE(?) VOLCANICLASTIC SHATTERED Light grey, foliated. 1% very fine grained magnetite throughout. 1%-10% fine grained to coarse grained cubic pyrite, greater abundances in the foliation plane. Sugary streaky texture. Final 0.5 m is shattered and "clay" fault gouge.	82.3	83.8	100	5	-	1				82.3	83.8	3	-	-	3					
83.8	89.4	DYK	MONZONITE DYKE BROKEN Light grey. Similar to 45.9 to 61.7 m but hornblende crystals are larger, ≤2 mm. Quartz vein pieces at 88.0 m.	83.8	89.4	100	<0.5	-	<1				83.8	89.4	3	2	-	-	-				

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Date Collared Aug 11/94	DATE COMPLETED Aug 12/94	CORE SIZE BDBGM	DIP TESTS	PROPERTY KLIYUL	PROJECT NO. 548	N.T.S. No. 94D/9
	FIELD CO-ORDINATES		DEPTH / BEARING (RECORDED, CORRECTED) / ANGLE (RECORDED, CORRECTED)			SHEET 6 OF 10
LAT. 1910N	ELEV. 1760	DIP -70°	131.1	LAT. / ELEV. / DIP		HOLE No.
DEP. 2555E	LENGTH	BEARING 035°		DEP. / LENGTH / BEARING		NK-94-25

GRID NORTH (W.R.T. TRUE)
MAGNETIC DECLINATION
LOGGED BY L. ERDMAN
DATE: August 15, 1994

FROM	TO	ROCK TYPE	DESCRIPTION	GEOTECH FROM	GEOTECH TO	% RECOVERY	% Py	% Cp	% Mt	Frac Dens			GEOCHEM FROM	GEOCHEM TO	Carb	Chlor	Ep	Ser	Sil	Gyp	ASSAY FROM	ASSAY TO	SAMPLE No.
89.4	95.9	AND	ANDESITE	89.4	95.9	100	<0.5	1	1	30			59.4	95.9	1	2	2	4	-	3	89.4	91.4	69905
			Medium grey-green. Gypsum fractures at 80° to 90°,																		91.4	93.4	69906
			some fractures at 45%. Horsetailing. Carbonate veinlets																		93.4	95.4	69907
			(<0.5%) at 20° to CA. Magnetite primarily present in																				
			gypsum fractures but local small sections with 1-2 mm																				
			disseminated blebs. Carbonate veinlets increase to 2%																				
			below 91.0 m. Chlorite fracture fill with associated fine																				
			grained pyrite. Pyrite content <0.5% except along																				
			selvages and adjacent to some gypsum fractures where																				
			it increases to 15%. Epidote fracture fill at 50° to 70°,																				
			some with associated gypsum or carbonate.																				
			92.0 m - 1 cm gypsum-magnetite-epidote-trace chalco-																				
			pyrite vein at 20°.																				
			93.2 m - Gypsum veinlet - trace chalcopyrite at 60°.																				
			95.0 m - 2-3 mm gypsum-pyrite (60%) veinlet at 15°.																				
			95.8 m - gypsum - pervasive magnetite fracture at 45°,																				
			locally widening.																				
			95.4 m - Gypsum-msv magnetite fracture, trace pyrite at																				
			70°.																				
95.9	106.2	AND	ANDESITE (FELDSPAR PHYRIC)	95.9	106.2	100	5	<0.5	1	30			95.9	106.2	1	1	1	4	-	3	95.4	97.4	69908
			Medium grey green, local sausseritization of feldspar.																		97.4	99.4	69909
			Minor discontinuous carbonate veinlets. Gypsum																		99.4	101.4	69910
			(hairline) fractures horsetailing from 60° to 90°. Local																		101.4	103.4	69911
			epidote fracture fill. Fine grained and fracture fill pyrite.																		103.4	105.4	69912
			Pervasive sericite, unfoliated. Minor quartz-carbonate																		105.4	107.4	69913
			veins with massive fine grained pyrite in the selvages,																				
			rare (yellowish) chalcopyrite(?) associated with the																				
			pyrite? Massive magnetite occur as selvages on gypsum																				
			veins and is disseminated in the alteration envelope (10%																				
			fine grained magnetite). Local pyrite flooding with 30%																				
			fine grained pyrite (no visible chalcopyrite). Local light																				
			green, fine grained, rhyolite(?) dykes with quartz eyes,																				
			gypsum fractures. In general 1-5% disseminated pyrite																				
			as fine grained or in 1 mm "blebs". Very rare, local																				

NORANDA EXPLORATION COMPANY LTD.

1=very weak 2=weak 3=moderate 4=strong 5=very strong

Date Collared Aug 11/94	DATE COMPLETED Aug 12/94	CORE SIZE BDBGM	DIP TESTS				PROPERTY KLIYUL		PROJECT NO. 548	N.T.S. No. 94D/9	GRID NORTH (W.R.T. TRUE)
FIELD CO-ORDINATES		DEPTH	BEARING		ANGLE					SHEET 7 OF 10	MAGNETIC DECLINATION
LAT. 1910N	ELEV. 1760	DIP -70°	131.1	RECORDED	CORRECTED	RECORDED	CORRECTED	LAT.	ELEV.	DIP	HOLE No.	LOGGED BY L. ERDMAN
DEP. 2555E	LENGTH	BEARING 035°						DEP.	LENGTH	BEARING	NK-94-25	DATE: August 15, 1994

				GEOTECH									GEOCHEM									ASSAY		
FROM	TO	ROCK TYPE	DESCRIPTION	FROM	TO	% RECOVERY	% Py	% Cp	% Mt	Frac Dens			FROM	TO	Carb	Chlor	Ep	Ser	Sil	Gyp		FROM	TO	SAMPLE No.
			chlorite, usually as <1 cm "pieces" within gypsum veins.																					
			The most common occurrence of chalcopyrite is on																					
			selvages of gypsum veins or "pockets" in gypsum veins.																					
			Chalcopyrite - 98.5 to 94.6 m (5% fine grained chalcopy-																					
			rite in a gypsum-cabonate breccia at 20°), 103.5 m,																					
			103.7 m (5%), 104.9 m.																					
			Magnetite - 95.9 to 96.6 m (fracture fill and disseminated																					
			10%), 96.6 m (3 mm massive magnetite (gypsum) 50°),																					
			99.6 m (4 mm magnetite (3% pyrite) (gypsum) 50°), 99.6																					
			to 99.8 m 10% fine grained magnetite, 100.1 (2-3 mm																					
			massive magnetite in disseminated gypsum "blowout"),																					
			100.7 m (fracture fill magnetite), 101-101.4 m (magnetite																					
			in fractures and as 2 mm blebs), 105.7 to 106 m (fractures																					
			and blebs as previous).																					
			101.9 to 102.6 m - Pyrite-gypsum flooded section,																					
			appears to be a footwall alteration envelope to a gypsum																					
			vein (5 mm) at 5°.																					
			103.7 m - 3 cm, rhyolite dykelet at 25°.																					
			105 m - Similar dykelet, upper contact at 20°, lower con-																					
			tact at 10°.																					
106.2	108.8	AND	ANDESITE	106.2	108.8	100	3	0.5	20	35			106.2	109	-	2	1	4	-	4		107.4	109.4	69914
			Medium green-grey with bleached section from 107.6 to																					
			108.4 m. Abundant gypsum, fractures at 80° to 90° give																					
			core a cracked appearance. Gypsum veinlets (<1 mm)																					
			at 110°. Chalcopyrite within and on selvages of gypsum																					
			veins. No carbonate. Rare epidote fracture fill. Massive																					
			magnetite on selvages of gypsum fractures, veins and																					
			disseminated in altered envelope. Magnetite-gypsum																					
			fractures/veins do not parallel the "cracked" fractures and																					
			generally trend 30° to 45° to CA. Bleached interval has																					
			been altered by pervasive gypsum and magnetite and																					
			has magnetite fractures at many orientations. Fine																					
			grained pyrite and pyritic blebs range from trace to 2% but																					
			pyrite content increases to 10% on selvages of some																					

NORANDA EXPLORATION COMPANY LTD.

1=very weak 2=weak 3=moderate 4=strong 5=very strong

Date Collared Aug 11/94	DATE COMPLETED Aug 12/94	CORE SIZE BDBGM	DIP TESTS	PROPERTY KLIYUL	PROJECT NO. 548	N.T.S. No. 94D/9	GRID NORTH (W.R.T. TRUE)
	FIELD CO-ORDINATES		DEPTH / BEARING (RECORDED, CORRECTED) / ANGLE (RECORDED, CORRECTED)			SHEET 8 OF 10	MAGNETIC DECLINATION
LAT. 1910N	ELEV. 1760	DIP -70°	131.1	LAT. / ELEV.	DIP	HOLE No.	LOGGED BY L. ERDMAN
DEP. 2555E	LENGTH	BEARING 035°		DEP. / LENGTH	BEARING	NK-94-25	DATE: August 15, 1994

FROM	TO	ROCK TYPE	DESCRIPTION	GEOTECH FROM	GEOTECH TO	% RECOVERY	% Py	% Cp	% Mt	Frac Dens			GEOCHEM FROM	GEOCHEM TO	Carb	Chlor	Ep	Ser	Sil	Gyp	ASSAY FROM	ASSAY TO	SAMPLE No.
			gypsum veins and veinlets. Chlorite fracture fill.																				
			Chalcopyrite - 106.5 m Gypsum-pyrite-trace chalcopyrite veinlet at 50°, 107.4 m Quartz-chlorite (1 cm) vein with bleb of pyrite-chalcopyrite, 50° to CA. 108.5 m - Gypsum quartz vein (4 mm at 30° with 1% chalcopyrite blebs on selvages and within vein, magnetite also on selvages, 108.8 m gypsum-massive magnetite-trace chalcopyrite and fine grained pyrite in a 45° fracture.																				
			107.6 to 108.4 m - Bleached by pervasive gypsum. Abundant magnetite rich fractures generally at 45° but locally subvertical and blebs of massive magnetite (<1 to 2 mm). Total magnetite content is ~30%. 2%, <1 mm blebs of pyrite.																				
			Other magnetic sections from 106.5 to 106.6 (fracture fill and disseminated 10%), and 106.8 to 107.3 (fracture fill magnetite 15%, 45°). Massive magnetite on selvage of gypsum fracture at 108.8 m, 45°.																				
108.8	112.8	AND	ANDESITE	108.8	112.8	100	<1	<0.5	20	35			108.8	113	1	1	1	4	-	3	109.4	111.4	69915
			Medium green-grey. Similar to 106.2 m but slightly more																		111.4	113.4	69916
			fractured as in above interval. Also 80% of this interval is magnetic, with fracture fill magnetite and disseminated blebs. Magnetite and chalcopyrite are associated with gypsum veinlets and fractures, varying from subvertical to 60° to CA. Not associated with the gypsum fractures at 80°.																				
			108.9 m - 1 cm gypsum-magnetite vein at 10°.																				
			110.0 m - Quartz-gypsum-epidote (5 mm) vein at 35° with 2% chalcopyrite. Epidote fracture fill extends 10 cm downwards.																				
			111.5 m - Gypsum-chlorite (1 cm) vein at 40° with trace chalcopyrite.																				

NORANDA EXPLORATION COMPANY LTD.

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Date Collared Aug 11/94	DATE COMPLETED Aug 12/94	CORE SIZE BDBGM	DIP TESTS		PROPERTY KLIYUL	PROJECT NO. 548	N.T.S. No. 94D/9	GRID NORTH (W.R.T. TRUE)
	FIELD CO-ORDINATES		DEPTH	BEARING / ANGLE			SHEET 9 OF 10	MAGNETIC DECLINATION
LAT. 1910N	ELEV. 1760	DIP -70°	131.1	RECORDED / CORRECTED / RECORDED / CORRECTED	LAT. / ELEV.	DIP	HOLE No. NK-94-25	LOGGED BY L. ERDMAN
DEP. 2555E	LENGTH	BEARING 035°			DEP. / LENGTH	BEARING		DATE: August 15, 1994

FROM	TO	ROCK TYPE	DESCRIPTION	GEOTECH FROM	TO	% RECOVERY	% Py	% Cp	% Mt	Frac Dens			GEOCHEM FROM	TO	Carb	Chlor	Ep	Ser	Sil	Gyp	ASSAY FROM	TO	SAMPLE No.
			Rare carbonate fracture fill. Trace dissemined pyrite but																				
			pyrite is seen along selvages of some gypsum fractures,																				
			not the ones @ 80°. Local horsetailing texture.																				
112.8	131.1	AND	ANDESITE	112.8	131.1	100	1	2	30	40			112.8	131.1	1	1	2	4	-	4	113.4	115.4	69917
			Medium green-grey to bleached. Fracture density has																		115.4	117.4	69918
			increased, locally to 50%, at 80° to 90° to CA so that the																		117.4	119.4	69919
			core appears cracked. This interval varies between rock																		119.4	121.4	69920
			types as seen in the above two intervals. Chalcopyrite and																		121.4	123.4	69921
			magnetite occur as described previously. Local horsetail-																		123.4	125.4	69922
			ing of gypsum fractures but many sections do not exhibit																		125.4	127.4	69923
			this texture. Overall most of core is magnetic with fracture																		127.4	129.4	69924
			fill, vein, blebs and diffuse areas and bands of very fine																		129.4	131.1	69925
			grained magnetite. The latter diffuse areas locally make																				
			the rock appear spotted (114.6 to 115.3, 117.4, 118.2,																				
			121.1 to 121.9, 122.4 to 124.3, 125 to 125.5, 126.5 to																				
			128 m). Some of the spots have pervasive epidote.																				
			116.3 m - 60° to CA gypsum-pyrite-chalcopyrite 2 mm veinlet.																				
			116.55 m - 60° to CA, 4 mm gypsum vein with 30%																				
			chalcopyrite/pyrite on selvages and outward from that																				
			1 mm massive magnetite.																				
			117 m - 50° to CA, massive magnetite in gypsum (5 mm)																				
			veinlet, trace associated pyrite/chalcopyrite.																				
			114.7 m - 7% smeared epidote on fracture surface (70° to																				
			CA).Rare carbonate veinlest (1-2 mm) at 30° to 50° to CA.																				
			116.9 to 117.2 m, 118.6 to 119.7 m, 124.3 to 125.0 m,																				
			125.5 to 126.1 m, 127.9 to 129.5 m: Bleached sections																				
			of pervasive gypsum and 10% magnetite in fractures,																				
			veins and blebs as described in previous interval. Some																				
			of the patchy magnetite areas have pervasive epidote.																				
			Disseminated pyrite <1% except on selvages of gypsum																				
			veins.																				
			118.1 m - 15°, gypsum veinlet (2 mm) with pyrite in																				
			center, trace associated chalcopyrite.																				

NORANDA EXPLORATION COMPANY LTD.

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Date Collared Aug 11/94	DATE COMPLETED Aug 12/94	CORE SIZE BDBGM	DIP TESTS				PROPERTY KLIYUL		PROJECT NO. 548	N.T.S. No. 94D/9	GRID NORTH (W.R.T. TRUE)
	FIELD CO-ORDINATES		DEPTH	BEARING		ANGLE				SHEET 10 OF 10	MAGNETIC DECLINATION
LAT. 1910N	ELEV. 1760	DIP -70°	131.1	RECORDED	CORRECTED	RECORDED	CORRECTED	LAT.	ELEV.	DIP	HOLE No.	LOGGED BY L. ERDMAN
DEP. 2555E	LENGTH	BEARING 035°						DEP.	LENGTH	BEARING	NK-94-25	DATE: August 15, 1994

FROM	TO	ROCK TYPE	DESCRIPTION	GEOTECH FROM	GEOTECH TO	% RECOVERY	% Py	% Cp	% Mt	Frac Dens			GEOCHEM FROM	GEOCHEM TO	Carb	Chlor	Ep	Ser	Sil	Gyp	ASSAY FROM	ASSAY TO	SAMPLE No.
			121.1 to 121.9 m - Epidote/magnetite "clasts" may be a primary texture, a flow breccia??																				
			124.5 m - 60° to CA massive pyrite veinlet (2-3 mm) with gypsum.																				
			125.8 m - 45° to CA gypsum-magnetite (1 cm vein), trace chalcopyrite.																				
			130.7 m - 10° to CA gypsum fracture/veinlet with 30% very fine grained disseminated pyrite and 2% very fine grained chalcopyrite associated with the pyrite.																				
			129.8 m - 50° to CA, 3 cm gypsum vein with 40% magnetite, 1% disseminated chalcopyrite below this for 10 cm, 1 cm chalcopyrite occurs along 50° fractures (gypsum).																				

NORANDA EXPLORATION COMPANY LTD.

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Date Collared Aug 12/94	Date Completed Aug 13/94	CORE SIZE BDBGM	DIP TESTS		PROPERTY KLIYUL	PROJECT NO. 548	N.T.S. No. 94D/9	GRID NORTH (W.R.T. TRUE)
FIELD CO-ORDINATES			DEPTH	BEARING: RECORDED / CORRECTED; ANGLE: RECORDED / CORRECTED			SHEET 1 OF 5	MAGNETIC DECLINATION
LAT. 2315N	ELEV. 1860 m	DIP -70°	118.9		LAT. / ELEV.	DIP	HOLE No.	LOGGED BY L. ERDMAN
DEP. 1300E	LENGTH	BEARING 025°			DEP. / LENGTH	BEARING	NK-94-26	DATE: August 16, 1994

FROM	TO	ROCK TYPE	DESCRIPTION	GEOTECH FROM	GEOTECH TO	% RECOVERY	% Py	% Cp	% Mt	Frac Dens			GEOCHEM FROM	GEOCHEM TO	Carb	Chlor	Ep	Sil			ASSAY FROM	ASSAY TO	SAMPLE No.
0	2.1	OB	OVERBURDEN																				
2.1	9.4	DIO	DIORITE Medium grey, medium grained, locally magnetic. Pyroxene phyric with well developed pyroxene <2 mm.	2.1	9.4	100	<1	-	1	1					-	-	-	-					
9.4	10.2	DYK	MAFIC DYKE Dark green/black with 10%, 1-3 mm cream dots of feldspar. Moderately magnetic.	9.4	10.2	100	-	-	5	-			9.4	10.2	-	-	-	-					
10.2	15.2	DIO	DIORITE At upper contact 20 cm of very dark (melanocratic) diorite.	10.2	15.2	100	<0.5	-	15	-			10.2	15.2	-	-	-						
15.2	19.5	DIO	DIORITE Variable sections with good diorite texture, locally fine grained but generally medium grained. 16.8 m - Oxidized 2 cm fault.	15.2	19.5	100	2	-	5	-			15.2	19.5	-	2	1						
19.5	23.0	GAB	GABBROID Dark green spots in a light green-grey groundmass. Approximately 60% chloritized pyroxene crystals and crystal traces in a feldspar rich groundmass. Locally pervasive epidotization of the feldspar has turned the groundmass a light green colour. Epidote also as fracture fill @ 45°. Medium grained pyrite ranges from <1 to 3% but generally is only 1%, evenly distributed. Local silica flooding. Rare, grey xenoliths to 3 cm. Pyroxene crystals range in size from <1 mm to 5 mm. Grading downwards to a more dioritic phase (see below). <1% Bi.	19.5	23.0	100	1	-	-	<1			19.5	23.0	-	2	2				19.8	21.8	69926

NORANDA EXPLORATION COMPANY LTD.

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Date Collared Aug 12/94	Date Completed Aug 13/94	CORE SIZE BDBGM	DIP TESTS					PROPERTY KLIYUL		PROJECT NO. 548	N.T.S. No. 94D/9	GRID NORTH (W.R.T. TRUE)
	FIELD CO-ORDINATES		DEPTH	BEARING		ANGLE					SHHET 2 OF 5	MAGNETIC DECLINATION
LAT. 2315N	ELEV. 1860 m	DIP -70°	118.9	RECORDED	CORRECTED	RECORDED	CORRECTED	LAT.	ELEV.	DIP	HOLE No.	LOGGED BY L. ERDMAN
DEP. 1300E	LENGTH	BEARING 025°						DEP.	LENGTH	BEARING	NK-94-26	DATE: August 16, 1994

				GEOTECH									GEOCHEM								ASSAY		
FROM	TO	ROCK TYPE	DESCRIPTION	FROM	TO	% RECOVERY	% Py	% Cp	% Mt	Frac Dens			FROM	TO	Carb	Chlor	Ep	Sil			FROM	TO	SAMPLE No.
23.0	32.8	DIO	DIORITE (MELANOCRATIC?) Coarse grained, gradational with gabbroid (see above) <1 mm crowded euhedral feldspar in groundmass. Overall a darker grey colour caused by more numerous <1 mm mafics. Pyroxene crystals <3 mm. Xenoliths to 3 cm as above. About 20% of the smaller crystals are lathe shaped and may be hornblende. 1% fine grained discrete disseminated magnetite in ground mass. Local pervasive epidote. The texture is not as "spotty" as the gabbroid, as only 10% of the pyroxene are larger than 4 mm. 31.6 m - 45° to CA. 5 cm thick, completely chloritized zone with mafic crystals completely altered to ghosty white, pervasive carbonate. Pyrite is disseminated on margins or within chloritic pyroxene, or occurs as fracture fill.	23.0	32.8	100	<1	-	1	1			23.0	32.8	-	2	2	-			30.5	32.5	69927
32.8	37.7	QMZ	QUARTZ-MONZONITE DYKE Dark grey, 10% white round dots of quartz or feldspar, <1 mm to 2 mm. 30% needle like hornblende, not aligned. Hornblende beginning to alter to chlorite +/- pyrite. <1% fine grained/fracture fill pyrite. <1% white quartz veins (5 mm - 8 mm) @ 80° to CA. Weak pervasive carbonate. 10% very fine grained discrete disseminated magnetite "dots". Upper contact @ 45° to CA is marked by a 2 cm carbonate-chlorite-quartz "vein" with 2% coarse pyrite. Fracture density increases to 10% at bottom of interval. Lower contact @ 10°.	32.8	37.7	100	<1	-	10	1			32.8	37.7	1	1	-	-					

NORANDA EXPLORATION COMPANY LTD.

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Date Collared Aug 12/94	Date Completed Aug 13/94	CORE SIZE BDBGM	DIP TESTS				PROPERTY KLIYUL		PROJECT NO. 548	N.T.S. No. 94D/9	GRID NORTH (W.R.T. TRUE)
FIELD CO-ORDINATES		DEPTH	BEARING		ANGLE					SHHET 3 OF 5	MAGNETIC DECLINATION
LAT. 2315N	ELEV. 1860 m	DIP -70°	118.9	RECORDED	CORRECTED	RECORDED	CORRECTED	LAT.	ELEV.	DIP	HOLE No.	LOGGED BY L. ERDMAN
DEP. 1300E	LENGTH	BEARING 025°						DEP.	LENGTH	BEARING	NK-94-26	DATE: August 16, 1994

				GEOTECH								GEOCHEM								ASSAY		
FROM	TO	ROCK TYPE	DESCRIPTION	FROM	TO	% RECOVERY	% Py	% Cp	% Mt	Frac Dens		FROM	TO	Carb	Chlor	Ep	Sil			FROM	TO	SAMPLE No.
37.7	39.2	DIO	DIORITE	37.7	39.2	100	<1	0.5	3	<1		37.7	39.2		2	2	-					
			Same as 23.0 to 32.8 m but xenoliths are rare.																			
			38.3 m - 0.5 mm blebby chalcopyrite on selvages of																			
			quartz fractures (5%) 45°.																			
			38.4 m - Bleb of chalcopyrite in matrix. Magnetite																			
			content slightly increased over previous diorite.																			
39.2	39.8	DIO	DIORITE	39.2	39.8	100	2	-	1	-		39.2	39.8	-	3	-	3					
			Completely veined and flooded by quartz so that rock																			
			looks brecciated.																			
39.8	40.4	DIO	MELANOCRATIC DIORITE	39.8	40.4	100	<0.5	-	15	<1		39.8	40.4	-	-	-	-					
			Very dark grey, medium grained, <5% phenocrysts.																			
			Fine grained magnetite. Grading downwards into a																			
			fine grained feldspar phyric diorite(?). Carbonate fracture																			
			fill @ 30°. Feldspar phyric diorite has 40%, ≤1 mm																			
			euhedral feldspar in a fine grained, dark grey groundmass																			
			(magnetic).																			
40.4	57.7	DIO	DIORITE (MELANOCRATIC)	40.4	57.7	100	<1	-	5	<1		40.4	57.7	-	3	2	-			40.7	44.7	69928
			Same as 23.0 to 32.8 m but only 1% phenocrysts >2mm,																			
			xenoliths are rare.																			
			40.8 m - 2 cm quartz-chlorite-5% cubic pyrite vein @ 10°.																			
			44.3 to 44.5 m - Completely silicified, upper contact at																			
			45°, lower contact at 20°. Pyrite fracture fill, 1% fine																			
			grained magnetite																			
			44.7 to 45.2 m - Silicified section, same as 44.3 to 44.5 m																			
			Upper contact irregular along fractures at 10°, lower con-																			
			tact at 40°.																			
			47.6 to 48.8 m - Similar silicified section. Upper contact																			
			20°, lower contact 30°.																			
			Xenolith content increases to 0.5% below 57.0 m.																			

NORANDA EXPLORATION COMPANY LTD.

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2=weak 4=strong

Date Collared Aug 12/94	Date Completed Aug 13/94	CORE SIZE BDBGM	DIP TESTS	PROPERTY KLIYUL	PROJECT NO. 548	N.T.S. No. 94D/9
	FIELD CO-ORDINATES		DEPTH / BEARING (RECORDED, CORRECTED) / ANGLE (RECORDED, CORRECTED)		SHEET 4 OF 5	GRID NORTH (W.R.T. TRUE)
LAT. 2315N	ELEV. 1860 m	DIP -70°	118.9	LAT. / ELEV. / DIP	HOLE No.	MAGNETIC DECLINATION
DEP. 1300E	LENGTH	BEARING 025°		DEP. / LENGTH / BEARING	NK-94-26	LOGGED BY L. ERDMAN
						DATE: August 16, 1994

FROM	TO	ROCK TYPE	DESCRIPTION	GEOTECH FROM	TO	% RECOVERY	% Py	% Cp	% Mt	Frac Dens			GEOCHEM FROM	TO	Carb	Chlor	Ep	Sil			ASSAY FROM	TO	SAMPLE No.
57.7	58.9	DIO	DIORITE(?)	57.7	58.9	100	5	-	-	<1			57.7	58.9	-	2	2	3					
			Gradational with above interval. Fine grained, moderately																				
			silicified, epidote fracture fill, chlorite fracture fill. Fine																				
			grained pyrite. Carbonate fracture fill.																				
58.9	118.9	DIO	DIORITE (MELANOCRATIC)	58.9	118.9	100	<0.5	-	3	2			58.9	119	1	2	2	1			61	63	69929
			Similar to 23 to 32.8 m with 3% xenoliths, some of them																		79.3	81.3	69930
			15 cm large. Subangular. More pyroxene phenocrysts																		94.5	96.5	69931
			than previous interval, ~15% so core is somewhat																		102	104.4	69932
			"spotted". Epidote fracture fill, carbonate fracture fill,																		117	118.9	69933
			local pervasive epidote. Quartz veins (5 mm) at 25° to CA.																				
			Trace fine grained pyrite, discrete disseminated fine																				
			grained magnetite. Two fracture sets 45° and 135°.																				
			Euhedral feldspar in groundmass is more localized.																				
			63.9 to 66.4 m - Section of carbonate veining and flooding.																				
			Local quartz veins, carbonate-chlorite veins, quartz-																				
			carbonate veins. Pyrite in veins and as fracture fill (3%),																				
			locally as blebs replacing mafics. Fractures @ 45°. Not																				
			magnetic.																				
			69.2 to 69.35 m - Fine grained, magnetic, medium green																				
			dyke @ 70°.																				
			76.8 to 77.5 m - Chloritized with 10% magnetite, not																				
			spotted", 1 mm euhedral ghosty feldspar in a fine grained																				
			dark grey matrix.																				
			77.5 to 78.0 m - Carbonate and carbonate/quartz veined																				
			section with 5% pyrite as fracture fill. Silicified to chloritic.																				
			Below 78 m xenoliths become rare and phenocrystic																				
			pyroxene >1 mm decreases to 1%, similar to interval																				
			from 40.4 to 57.7 m.																				
			88.2 to 88.4 m - Silicified, similar to 44.7 to 45.2 m.																				
			Upper and lower contacts @ 20°. Feldspar phyric dyke.																				
			1 mm feldspar phenos in a very fine grained grey matrix.																				
			Siliceous. Upper contact at 30°, lower contact @ 45°.																				
			Magnetic.																				
			94.4 to 101.7 m - Large xenoliths as before.																				

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Date Collared Aug 12/94	Date Completed Aug 13/94	CORE SIZE BDBGM	DIP TESTS				PROPERTY KLIYUL	PROJECT NO. 548	N.T.S. No. 94D/9	GRID NORTH (W.R.T. TRUE)
	FIELD CO-ORDINATES		DEPTH	BEARING		ANGLE			SHHET 5 OF 5	MAGNETIC DECLINATION
LAT. 2315N	ELEV. 1860 m	DIP -70°	118.9	RECORDED	CORRECTED	RECORDED	CORRECTED	LAT. ELEV. DIP	HOLE No.	LOGGED BY L. ERDMAN
DEP. 1300E	LENGTH	BEARING 025°						DEP. LENGTH BEARING	NK-94-26	DATE: August 16, 1994

FROM	TO	ROCK TYPE	DESCRIPTION	GEOTECH FROM	TO	% RECOVERY	% Py	% Cp	% Mt	Frac Dens			GEOCHEM FROM	TO	Carb	Chlor	Ep	Sil			ASSAY FROM	TO	SAMPLE No.
			102.5 to 103.9 m - White quartz vein. Upper contact at 70°, lower contact @ 30°. One bleb of chalcopyrite. One chloritic fracture fill with pyrite.																				
			109.7 to 111.1 m - Vertical to 5° carbonate-chlorite fracture, widening to quartz-carbonate vein (2 cm) at lower end (with 4 mm silicified envelope).																				
			116.1 m - 3 mm carbonate-chlorite-epidote (selvage) veinlet at 15°. 5% disseminated pyrite in alteration envelope.																				
			118.4 m - Vuggy quartz-carbonate (open) vein (5 mm) at 008°.																				

NORANDA EXPLORATION COMPANY LTD.

1=very weak 2=weak 3=moderate 4=strong 5=very strong

Date Collared Aug 13/94	Date Completed Aug 14/94	CORE SIZE BDBGM	DIP TESTS				PROPERTY KLIYUL	PROJECT NO. 548	N.T.S. No. 94D/9	GRID NORTH (W.R.T. TRUE)
	FIELD CO-ORDINATES	DEPTH	BEARING		ANGLE				SHEET 1 OF 7	MAGNETIC DECLINATION
LAT. 2105N	ELEV. 1740 m	DIP -45°	91.4 M	RECORDED	CORRECTED	RECORDED	CORRECTED	LAT. / ELEV. / DIP	HOLE No.	LOGGED BY L. ERDMAN
DEP. 3370E	LENGTH	BEARING 035°						DEP. / LENGTH / BEARING	NK-94-27	DATE: August 18, 1994

FROM	TO	ROCK TYPE	DESCRIPTION	GEOTECH FROM	GEOTECH TO	% RECOVERY	% Py	% Cp	% Mt	% Mo			GEOCHEM FROM	GEOCHEM TO	Carb	Chlor	Ep	Ser	Sil		ASSAY FROM	ASSAY TO	SAMPLE No.
0	9.1	OB	OVERBURDEN																				
9.1	19.9	MZ	MONZONITE? WELL BROKEN	9.1	19.9	100	7	-	-				9.1	19.9	1	-	-	4	-		9.1	15.2	70076
			White, bleached. Completely sericitic, with 3-10% fine																		15.2	17.2	70077
			grained to medium grained disseminated pyrite. Foliated.																		17.2	19.2	70078
			Local sections altering to clay.																		19.2	21.2	70079
			16.2 m - Possibly mariposite.																				
19.9	20.3	DYK	DYKE	19.9	20.3	100	1	-	-				19.9	20.3	4	2	-	2					
			Very fine grained, medium green, pervasive carbonate.																				
			Pyrite "blebs" to 2 mm. 5 mm quartz vein at 40° to CA																				
			in middle of dyke. 30% white discontinuous carbonate																				
			streaks.																				
20.3	23.8	MZ	MONZONITE	20.3	23.8	100	7	-	-				20.3	23.8	1	-	-	4			21.2	24.4	70080
			Same as 9.1 to 19.9 m.																				
23.8	33.1	MZ	MONZONITE SHATTERED	23.8	33.1	100	10	-	-				23.8	33.1	3	-	-	5			24.4	27.4	70081
			White bleached. Core is much better foliated and breaks																		27.4	30.5	70082
			into small platy pieces. Texture is more "swirly", pyrite																		30.5	32.5	70083
			disseminations and stretched in foliation, more carbonate																		32.5	34.5	70084
			as veinlets, as well as locally pervasive. 3-15% pyrite.																				
33.1	33.8	MZ	MONZONITE	33.1	33.8	100	7	-	-				33.1	33.8	2	-	-	5					
			Buff coloured, not broken or shattered. Strong sericite,																				
			well foliated. Very fine grained pyrite, not stretched. No																				
			original textures. Fracture fill carbonate and carbonate																				
			in foliation planes.																				
33.8	38.5	AND	ANDESITE? TUFF	33.8	38.5	100	10	-	-				33.8	38.5	100	10	-	-			34.5	36.5	70085
			Green to buff streaky texture of fine laminations. Upper																		36.5	38.5	70086
			contact at 45°, lower contact broken. Extremely sericitic,																				
			waxy surface. Some quartz veining. Very fine grained																				
			pyrite in the foliation planes, some stretched. Fracture																				
			fill and carbonate in foliation plane. Foliation is 15° to CA.																				

NORANDA EXPLORATION COMPANY LTD.

1=very weak 2=weak 3=moderate 4=strong 5=very strong

Date Collared Aug 13/94	Date Completed Aug 14/94	CORE SIZE BDBGM	DIP TESTS	PROPERTY KLIYUL	PROJECT NO. 548	N.T.S. No. 94D/9	GRID NORTH (W.R.T. TRUE)
	FIELD CO-ORDINATES		DEPTH / BEARING / ANGLE			SHEET 2 OF 7	MAGNETIC DECLINATION
LAT. 2105N	ELEV. 1740 m	DIP -45°	91.4 M / RECORDED / CORRECTED / RECORDED / CORRECTED	LAT. / ELEV.	DIP	HOLE No.	LOGGED BY L. ERDMAN
DEP. 3370E	LENGTH	BEARING 035°		DEP. / LENGTH	BEARING	NK-94-27	DATE: August 18, 1994

FROM	TO	ROCK TYPE	DESCRIPTION	GEOTECH FROM	GEOTECH TO	% RECOVERY	% Py	% Cp	% Mt	% Mo			GEOCHEM FROM	GEOCHEM TO	Carb	Chlor	Ep	Ser	Sil		ASSAY FROM	ASSAY TO	SAMPLE No.
38.5	39.0	MZ	MONZONITE Fine grained, medium grey, non-foliated. Weak pervasive sericite. Sausseritized feldspar. 10%, <1 mm mafic specks (hornblende?). Mafics altering to chlorite. Fine grained and blebs of pyrite. Blebs replace mafics. Carbonate veinlets.	38.5	39.0	100	<1	-	-				38.5	39.0	2	2	-	2	-		38.5	39.6	70087
39.0	39.6	AND	ANDESITE? Medium to light grey, foliated with chloritic streaks in foliation plane. Medium grained to coarse grained pyrite associated with chlorite, fine grained disseminated pyrite away from chlorite. Carbonate fracture fill. Carbonate increases at 39.2 m and core becomes more broken and clay-like. Pieces of carbonate vein to 4 mm. 39.4 to 39.6 m - Completely silicified, mottled cream/grey, "fuzzy" breccia texture, no pyrite.	39.0	39.6	100	5	-	-				39.0	39.6	2	1	-	4	-				
39.6	39.9	MZ	MONZONITE Similar to 38.5 to 39.0 m.	39.6	39.9	100	<1	-	-				39.6	39.9	2	-	-	3	-				
39.9	40.3	DAC	DACITE TUFF? Light grey, slightly spotty texture of (epidote), sausseritized feldspar and blebs of pyrite. Fracture fill and weak pervasive carbonate. Pervasive sericite. Local very fine grained disseminated pyrite (<1%). Rare bright green dots are possibly mariposite.	39.9	40.3	100	7	-	-				39.9	40.3	2	-	1	3	-				
40.3	41.5	AND	ANDESITE Medium grey-green, fine grained. Chloritized mafics. Carbonate/epidote fracture fill. Minor sausseritization of feldspar. Carbonate veinlets and fracture fill. Very fine grained disseminated pyrite and <1 mm blebs of fine grained pyrite. Texture becoming more obscured at 41.1 m and core is silicified. Quartz-carbonate 1-2 mm veinlets at 10° to 30° to CA.	40.3	40.9	100	1	-	-				40.3	40.9	1	2	-	3	1				

NORANDA EXPLORATION COMPANY LTD.

1=very weak 2=weak 3=moderate 4=strong 5=very strong

Date Collared Aug 13/94	Date Completed Aug 14/94	CORE SIZE BDBGM	DIP TESTS				PROPERTY KLIYUL		PROJECT NO. 548	N.T.S. No. 94D/9	GRID NORTH (W.R.T. TRUE)
	FIELD CO-ORDINATES		DEPTH	BEARING		ANGLE				SHEET 3 OF 7	MAGNETIC DECLINATION
LAT. 2105N	ELEV. 1740 m	DIP -45°	91.4 M	RECORDED	CORRECTED	RECORDED / CORRECTED	LAT.	ELEV.	DIP	HOLE No.	LOGGED BY L. ERDMAN
DEP. 3370E	LENGTH	BEARING 035°					DEP.	LENGTH	BEARING	NK-94-27	DATE: August 18, 1994

FROM	TO	ROCK TYPE	DESCRIPTION	GEOTECH FROM	TO	% RECOVERY	% Py	% Cp	% Mt	% Mo			GEOCHEM FROM	TO	Carb	Chlor	Ep	Ser	Sil		ASSAY FROM	TO	SAMPLE No.
41.5	42.0	DAC	DACITE TUFF Similar to 39.9 to 40.3 m.	41.5	42.0	100	7	-	-				41.5	42.0	2	-	1	3	-				
42.0	42.7	AND	ANDESITE Similar to 40.3 to 41.5 m.	42.0	42.7	100	1	-	-				42.0	42.7	1	2	-	3	1				
42.7	43.9	QMZ	QUARTZ MONZONITE? WELL BROKEN Light green, pervasive sericite. Fine grained to medium grained disseminated pyrite. Obscure, muddy texture. Very weakly foliated. 1-2% quartz blebs. Some sausseritization of feldspar. Coarse grained pyrite fracture fill.	42.7	43.9	100	15	-		-			42.7	43.9	-	-	-	-	-				
43.9	45.8	AND	ANDESITE WELL BROKEN Medium green-grey, fine grained, locally feldspar phyric (<1 mm feldspar). Carbonate fracture fill. Pervasive sericite, <0.5% very fine grained pyrite, but locally at 44.3 to 44.6 m 15% fine grained pyrite. 44.3 to 44.6 m is a light green color similar to 42.7 to 43.9 m and is probably a dyke. Chlorite as fracture fill. Trace of very fine grained "smeared" chalcopyrite on fracture surface. Locally very weakly magnetic with very fine grained magnetite and <1 mm magnetite blebs.	43.9	45.8	100	0.5	<0.5	1				43.9	45.8	1	2	-	2	-				
45.8	53.0	AND	ANDESITE (FELDSPAR PHYRIC) WELL BROKEN A gradual contact. Medium green with a ghosty spotted texture of light green/buff. Epidote fracture fill. Down the hole (below 47.1 m) the texture is no longer ghosty and feldspar crystals and crystal fragments (<1 mm to 2 mm) are readily observed. Approximately 40% feldspar crystals in random orientation. Minor carbonate fracture fill. Pyrite in blebs possibly replacing mafics. Pyrite also occurs as fracture fill and locally as discrete disseminated fine grains. 1% fine grained mafic crystals altered	45.8	53.0	100	2	-	-				45.8	53.0	1	1	1	3	1				

NORANDA EXPLORATION COMPANY LTD.

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Date Collared Aug 13/94	Date Completed Aug 14/94	CORE SIZE BDBGM	DIP TESTS				PROPERTY KLIYUL		PROJECT NO. 548	N.T.S. No. 94D/9	GRID NORTH (W.R.T. TRUE)
	FIELD CO-ORDINATES		DEPTH	BEARING		ANGLE				SHEET 4 OF 7	MAGNETIC DECLINATION
LAT. 2105N	ELEV. 1740 m	DIP -45°	91.4 M	RECORDED	CORRECTED	RECORDED	CORRECTED	LAT.	ELEV.	DIP	HOLE No.	LOGGED BY L. ERDMAN
DEP. 3370E	LENGTH	BEARING 035°						DEP.	LENGTH	BEARING	NK-94-27	DATE: August 18, 1994

				GEOTECH									GEOCHEM								ASSAY		
FROM	TO	ROCK TYPE	DESCRIPTION	FROM	TO	% RECOVERY	% Py	% Cp	% Mt	% Mo			FROM	TO	Carb	Chlor	Ep	Ser	Sil		FROM	TO	SAMPLE No.
			to chlorite. Sections with disseminated fine grained pyrite																				
			are slightly silicified, these comprise 2% of the interval.																				
			Below 52.1 the feldspar becomes ghosty and obscure as																				
			at the start of the interval.																				
53.0	57.4	MZ	MONZONITE WELL BROKEN	53.0	57.4	100	10	-	-				53.0	57.4	1	1	-	2					
			Light/medium grey, mottled texture. Pyrite fracture fill																				
			(coarse grained cubic) and fine grained pyrite in blebs and																				
			disseminated. Sausseritized feldspar. Discrete dissemi-																				
			nated sericite as alteration of ? (mafics). <1% chloritized																				
			mafics. Well developed sericite on fractures.																				
57.4	58.4	AND	ANDESITE (FELDSPAR PHYRIC) WELL BROKEN	57.4	58.4	100	1	-	-				57.4	58.4	1	-	-	2					
			Similar to 45.8 to 53.0 m with a well defined feldspar																				
			crystal section in the center and ghosty feldspar crystal																				
			texture at the top and bottom of the interval.																				
58.4	64.5	MZ	MONZONITE WELL BROKEN TO SHATTERED	58.4	64.5	100	5	-	-				58.4	64.5	1	1	-	3					
			Medium green-grey, fine grained, local mottled texture.																				
			Fine grained pyrite in blebs and disseminations, locally																				
			replacing mafics. Sausseritized feldspar. Carbonate																				
			fracture fill +/- pyrite, <1% fine grained mafics altered to																				
			chlorite +/- pyrite, other mafics(?) are completely replaced																				
			by pyrite.																				
64.5	69.7	MZ	MONZONITE WELL BROKEN	64.5	69.7	100	3	-	-				64.5	69.7	1	-	-	1	1				
			Medium grey/cream mottled texture. Locally light grey/																				
			cream where flooded with pervasive carbonate (<5% of																				
			interval). Quartz vein at 67.1 m with silica flooded margins																				
			Weakly foliated. 1-5% blebs of pyrite, possibly replacing																				
			mafics, and rare fine grained pyrite. Carbonate fracture																				
			fill.																				
			68.5 to 69.0 m - Highly sericitic with 30% very fine grained																				
			pyrite. Pervasive carbonate along foliation planes. Well																				
			foliated.																				

NORANDA EXPLORATION COMPANY LTD.

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Date Collared Aug 13/94	Date Completed Aug 14/94	CORE SIZE BDBGM	DIP TESTS	PROPERTY KLIYUL	PROJECT NO. 548	N.T.S. No. 94D/9
	FIELD CO-ORDINATES		DEPTH			SHEET 5 OF 7
LAT. 2105N	ELEV. 1740 m	DIP -45°	91.4 M	LAT. / ELEV. / DIP		HOLE No. NK-94-27
DEP. 3370E	LENGTH	BEARING 035°		DEP. / LENGTH / BEARING		

DIP TESTS: BEARING (RECORDED, CORRECTED); ANGLE (RECORDED, CORRECTED)

GRID NORTH (W.R.T. TRUE)
MAGNETIC DECLINATION
LOGGED BY L. ERDMAN
DATE: August 18, 1994

FROM	TO	ROCK TYPE	DESCRIPTION	GEOTECH FROM	GEOTECH TO	% RECOVERY	% Py	% Cp	% Mt	% Mo			GEOCHEM FROM	GEOCHEM TO	Carb	Chlor	Ep	Ser	Sil		ASSAY FROM	ASSAY TO	SAMPLE No.
69.7	71.2	AND	ANDESITE (FELDSPAR PHYRIC) WELL BROKEN Medium green, spotted with ~50% ≤1 mm, rarely up to 2 mm, white feldspar crystals. Feldspars are weakly aligned. 5% mafic minerals altered to chlorite. Trace fine grained disseminated pyrite. Minor local feldspar saussertitized, and minor rare epidote "spots". Pervasive carbonate. Quartz veins at 10° to CA.	69.7	71.2	100	<0.5	-	-				69.7	71.2	2	1	1	2	-				
71.2	73.6	AND	ANDESITE? WELL BROKEN Medium green-grey, very fine grained with local ghosty phyric texture. Ground mass texture appears "clastic", perhaps a crystal tuff. Pervasive sericite, non-foliated. Rare pyrite on fractures and even more rarely disseminated. Carbonate fracture fill, locally very weakly pervasive.	71.2	73.6		<0.5	-	-				71.2	73.6	2	-	-	3					
73.6	74.8	DAC	DACITE TUFF? WELL BROKEN Light green to cream, varies from highly sericitic, to completely silicified. Silicified sections are quartz flooded and have a swirled texture. Very fine grained pyrite in fractures, as disseminations and concentrated in foliation planes. Carbonate fracture fill and veinlets (<1 mm). Local bleaching of highly sericitic foliated sections.	73.6	74.8	95	20	-	-				73.6	74.8	1	-	-	4	2				
74.8	76.2	AND	ANDESITE WELL BROKEN Medium green-grey, fine grained pervasive chlorite/sericite. Weak pervasive carbonate and carbonate in veinlets (<1 mm). Minor saussertitization of feldspar. Trace fine grained disseminated pyrite and up to 3% pyrite in carbonate veinlets. Veinlets total 1%.	74.8	76.2	95	<0.5	-	-				74.8	76.2	2	2	-	2					

NORANDA EXPLORATION COMPANY LTD.

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Date Collared Aug 13/94	Date Completed Aug 14/94	CORE SIZE BDBGM	DIP TESTS	
	FIELD CO-ORDINATES		DEPTH	BEARING: RECORDED / CORRECTED; ANGLE: RECORDED / CORRECTED
LAT. 2105N	ELEV. 1740 m	DIP -45°	91.4 M	
DEP. 3370E	LENGTH	BEARING 035°		

PROPERTY KLIYUL		PROJECT NO. 548	N.T.S. No. 94D/9	GRID NORTH (W.R.T. TRUE)
			SHEET 6 OF 7	MAGNETIC DECLINATION
LAT.	ELEV.	DIP	HOLE No.	LOGGED BY L. ERDMAN
DEP.	LENGTH	BEARING	NK-94-27	DATE: August 18, 1994

FROM	TO	ROCK TYPE	DESCRIPTION	GEOTECH FROM	TO	% RECOVERY	% Py	% Cp	% Mt	% Mo			GEOCHEM FROM	TO	Carb	Chlor	Ep	Ser	Sil		ASSAY FROM	TO	SAMPLE No.
76.2	76.7	DAC	DACITE TUFF? WELL BROKEN Light grey, boxwork texture. Minor quartz-carbonate veins (5 mm). 15-30% fine grained to medium pyrite, some of it cubic. Foliated, very crumbly, altering to clay. Weak pervasive carbonate. Pervasive sericite.	76.2	76.7	100	20	-	-				76.2	76.7	2	-	-	5					
76.7	78.4	AND	ANDESITE Medium green, fine grained, same as 74.8 to 76.2 m. Locally highly sericitic. 77.8 m - 1 cm (?)quartz carbonate vein (broken) with 20% medium grained pyrite and 3% Mo(?).	76.7	78.4	100	<0.5	-	-	<0.5			76.7	78.4	1	2	-	2			76.0	78.0	70088
78.4	82.3	AND	ANDESITE Dark green, fine grained as in previous interval but this one has 5% opaque cream quartz/carbonate veinlets (<6 mm). Minor localized silica flooding. Veins host no sulfides. Trace pyrite as disseminations, except from 78.6 to 78.7m where silicified rock with numerous veins is host to 15% pyrite.	78.4	82.3	100	<1	-	-	-			78.4	82.3	2	2	-	2			78.0	79.2	70089
82.3	85.3	AND	ANDESITE Cream to white coloured. Quartz veined/flooded section. At least two quartz events, one greyer quartz and one creamy white. Veins are vuggy and have small quartz crystals. One fracture with mariposite (1 mm). White quartz hosts 3% fine grained pyrite, grey quartz has up to 15% fine grained pyrite. Trace disseminated Mo in grey quartz at 85.0 m. Below 85.1 m and locally throughout interval are pieces of host rock. Highly sericitic, well foliated, lighty grey/cream, fine grained, 20% very fine grained pyrite dacitic tuff(?) similar to 73.6 to 74.8 m.	82.3	85.3	50	7	-	-	0.5			82.3	85.3	1	-	-	4	4		82.3	85.3	70090

NORANDA EXPLORATION COMPANY LTD.

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Date Collared Aug 13/94	Date Completed Aug 14/94	CORE SIZE BDBGM	DIP TESTS	PROPERTY KLIYUL	PROJECT NO. 548
	FIELD CO-ORDINATES		DEPTH / BEARING (RECORDED, CORRECTED) / ANGLE (RECORDED, CORRECTED)		
LAT. 2105N	ELEV. 1740 m	DIP -45°	91.4 M	LAT. / ELEV.	DIP
DEP. 3370E	LENGTH	BEARING 035°		DEP. / LENGTH	BEARING

N.T.S. No. 94D/9	GRID NORTH (W.R.T. TRUE)
SHEET 7 OF 7	MAGNETIC DECLINATION
HOLE No. NK-94-27	LOGGED BY L. ERDMAN
	DATE: August 18, 1994

FROM	TO	ROCK TYPE	DESCRIPTION	GEOTECH FROM	GEOTECH TO	% RECOVERY	% Py	% Cp	% Mt	% Mo			GEOCHEM FROM	GEOCHEM TO	Carb	Chlor	Ep	Ser	Sil		ASSAY FROM	ASSAY TO	SAMPLE No.
85.3	87.7	AND	ANDESITE/MONZONITE(?) WELL BROKEN	85.3	87.7	100	3	-	-				85.3	87.7	1	2	-	3					
			Medium green/grey to medium grey, mottled texture below																				
			86.5 m. Gradational with the interval below. Quartz-car-																				
			bonate veinlets. Start of interval is strongly sericitic and																				
			foliated. Below 85.7 m foliations have disappeared and																				
			sericitization is weak. Fracture fill carbonate. Chloritiza-																				
			tion of mafics. Short sections look like a monzonite(?)																				
			and may be dykelets. These sections have <1% mafics																				
			and sericitic alteration is moderate. Feldspar are locally																				
			saussertitized. Pyrite blebs and fracture fill, 2% in the																				
			andesite, up to 5% in the monzonite(?).																				
87.7	91.4	AND	ANDESITE FELDSPAR VOLCANICLASTIC	87.7	91.4	100	15	-	-				87.7	91.4	1	-	-	4			87.5	89.5	70091
			Light grey-green/white, finely mottled texture. Carbonate																		89.5	91.4	70092
			fracture fill. 10-20% very fine grained to fine grained																				
			disseminated pyrite, some cubic. Highly sericitic on																				
			fractures and locally pervasive. Sericite is very strong so																				
			that core is waxy and foliated. Foliation in less sericitic																				
			sections is more poorly defined. Minor carbonate veins.																				

NORANDA EXPLORATION COMPANY LTD.

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Date Collared Aug 14/94	Date Completed Aug 15/94	CORE SIZE BDBGM	DIP TESTS		PROPERTY KLIYUL	PROJECT NO. 548	N.T.S. No. 94D/9	GRID NORTH (W.R.T. TRUE)
	FIELD CO-ORDINATES		DEPTH	BEARING / ANGLE			SHEET 1 OF 5	MAGNETIC DECLINATION
LAT. 1545N	ELEV. 1735 m	DIP -45°	103 M	RECORDED / CORRECTED / RECORDED / CORRECTED	LAT. / ELEV.	DIP	HOLE No.	LOGGED BY L. ERDMAN
DEP. 3710E	LENGTH	BEARING 210°			DEP. / LENGTH	BEARING	NK-94-28	DATE: August 17, 1994

FROM	TO	ROCK TYPE	DESCRIPTION	GEOTECH FROM	GEOTECH TO	% RECOVERY	% Py	% Cp	% Mt				GEOCHEM FROM	TO	Carb	Chlor	Ep	Sil	Ser		ASSAY FROM	TO	SAMPLE No.
0	4.6	OB	OVERBURDEN																				
4.6	6.7	MZ	MONZONITE	4.6	6.7		20	-	-				3	-	-	-	3						
			Light grey (bleached), mottled texture. Fractured and	4.6	6.1	50																	
			vuggy with oxidation (brown) of fracture sufaces. Pervasive	6.1	9.1	66																	
			and fracture fill carbonate. Fine grained/fracture fill pyrite,																				
			locally in blebs and streaks.																				
6.7	8.9	AND	ANDESITE(?)	6.7	8.9		2	-	-				6.7	8.9	2	2	-	-	2				
			Medium green-grey, fracture fill carbonate, locally																				
			pervasive. Fractured and vuggy with oxidized fractures.																				
			Pyrite fracture fill.																				
8.9	11.7	MZ	MONZONITE - WELL BROKEN	8.9	11.7		5	-	-				8.9	11.7	2	-	-	1	3		9.1	11.1	69877
			Similar to 4.6 to 6.7 m. Light/medium grey colour, mafics	9.1	12.2	93																	
			rare; quartz veins and fracture fill. Fracture density 45%.																				
			Carbonate fracture fill? Pervasive sericite ranges from																				
			weak to strong. Pyrite fracture fill. Mottled texture of																				
			grey colours.																				
11.7	12.1	DYK	DYKE	11.7	12.1		-	-	2				11.7	12.1	3	3	-	-	-				
			Grey-green, fine grained, pervasive/fracture fill carbonate																				
			(45° to CA), very fine grained magnetite.																				
12.1	18.3	MZ	MONZONITE - BROKEN	12.1	18.3		5	-	-				12.1	18.3	2	1	-	-	3		11.1	13.1	69878
			Medium grey, ghosty spotted texture. 1% mafics altered	12.2	15.2	47															13.1	15.2	69879
			to chlorite +/- pyrite. Fine grained to medium grained/	15.2	18.3	30															15.2	18.3	69880
			fracture fill pyrite. Carbonate fracture fill, locally pervasive.																				
			Fracture density 20%.																				

NORANDA EXPLORATION COMPANY LTD.

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Date Collared Aug 14/94	Date Completed Aug 15/94	CORE SIZE BDBGM	DIP TESTS	PROPERTY KLIYUL	PROJECT NO. 548	N.T.S. No. 94D/9
FIELD CO-ORDINATES			DEPTH / BEARING / ANGLE			SHEET 2 OF 5
LAT. 1545N	ELEV. 1735 m	DIP -45°	103 M (RECORDED / CORRECTED / RECORDED / CORRECTED)	LAT. / ELEV.	DIP	HOLE No. NK-94-28
DEP. 3710E	LENGTH	BEARING 210°		DEP. / LENGTH	BEARING	

GRID NORTH (W.R.T. TRUE)
MAGNETIC DECLINATION
LOGGED BY L. ERDMAN
DATE: August 17, 1994

FROM	TO	ROCK TYPE	DESCRIPTION	GEOTECH FROM	GEOTECH TO	% RECOVERY	% Py	% Cp	% Mt				GEOCHEM FROM	GEOCHEM TO	Carb	Chlor	Ep	Sil	Ser		ASSAY FROM	ASSAY TO	SAMPLE No.
18.3	23.5	AND	ANDESITE(?) - WELL BROKEN TO SHATTERED	18.3	21.3	27	2	-	-				18.3	23.5	1	1	-	1	2		18.3	21.3	69881
			Medium grey, feldspar phyric with euhedral feldspar <1	21.3	24.4	50															21.3	24.4	69882
			mm. Fine grained pyrite as fracture fill and dissemina-																				
			tions. Pieces of monzonite core within this interval																				
			suggest interfingering dykelets or perhaps the andesite(?)																				
			is a large xenolith (raft). Locally strongly sericitic with																				
			platy cleavage forming shattered chips of core. Pieces																				
			with quartz veins having 20% pyrite on selvage. Carbonate																				
			fracture fill.																				
23.5	27.4	AND	ANDESITE VOLCANICLASTIC - WELL BROKEN	24.4	27.4	37	7	-	-				23.5	27.4	1	-	-	4	-				
			Medium grey, strongly silicified, quartz veins, local																				
			carbonate fracture fill. Fracture filled pyrite, rarely																				
			disseminated.																				
27.4	33.5	MZ	MONZONITE - WELL BROKEN	27.4	33.5		10	-	-				27.4	33.5	2	-	-	3	1				
			Medium grey, ghosty spotted texture. Locally very strong																				
			pervasive carbonate and carbonate fracture fill (above 30.5)																				
			sericitic fractures. Fine grained and coarse grained																				
			fracture filled pyrite. Below 30.5 m strong to very strong																				
			silicification.																				
33.5	35.6	MZ	MONZONITE	27.4	30.5	23	15	-	-				33.5	35.6	2	-	-	2	2		33.5	35.5	69883
			Light grey (bleached). Fine grained pyrite in blebs and	30.5	33.5	47																	
			wisps, locally 25%. Also fine grained pyrite, carbonate	33.5	36.6	100																	
			fracture fill. Sericitic fracture fill, moderate local silicifica-																				
			tion. Other pieces have pervasive carbonate.																				
35.6	41.0	AND	ANDESITE VOLCANICLASTIC - WELL BROKEN	36.6	39.6	93	10	-	-				35.6	41.0	1	-	1	3	1		35.5	37.5	69884
			Similar to 23.5 to 27.4 m. Medium grey, sericite on																			37.5	39.5	69885
			fracture fill, moderately to strongly silicified. 7-15% fine																			39.5	41.0	69886
			grained pyrite, also fracture filled pyrite, local carbonate																				
			fracture fill. Above 36.1 m minor pervasive epidote.																				

NORANDA EXPLORATION COMPANY LTD.

1=very weak 2=weak 3=moderate 4=strong 5=very strong

Date Collared Aug 14/94	Date Completed Aug 15/94	CORE SIZE BDBGM	DIP TESTS					PROPERTY KLIYUL		PROJECT NO. 548	N.T.S. No. 94D/9	GRID NORTH (W.R.T. TRUE)
	FIELD CO-ORDINATES		DEPTH	BEARING		ANGLE					SHEET 3 OF 5	MAGNETIC DECLINATION
LAT. 1545N	ELEV. 1735 m	DIP -45°	103 M	RECORDED	CORRECTED	RECORDED	CORRECTED	LAT.	ELEV.	DIP	HOLE No.	LOGGED BY L. ERDMAN
DEP. 3710E	LENGTH	BEARING 210°						DEP.	LENGTH	BEARING	NK-94-28	DATE: August 17, 1994

				GEOTECH									GEOCHEM								ASSAY		
FROM	TO	ROCK TYPE	DESCRIPTION	FROM	TO	% RECOVERY	% Py	% Cp	% Mt				FROM	TO	Carb	Chlor	Ep	Sil	Ser		FROM	TO	SAMPLE No.
41.0	42.7	DYK	ANDESITE DYKE - BROKEN	39.6	42.7	93	<1	-	-				41.0	42.7	4	3	-	-	-				
			Medium green with 10% discontinuous white streaks.	42.7	45.7	90																	
			Upper contact at 40°. Trace disseminated pyrite, weak																				
			pervasive carbonate. White streaks are carbonate. Also																				
			carbonate fracture fill. Lower contact is broken. Pervasive																				
			chlorite.																				
42.7	45.1	MZ	MONZONITE	42.7	45.1		1	-	-				42.7	45.1	3	-	1	-	3				
			Medium grey with 15% discontinous white carbonate																				
			veinlets, local flooding by carbonate to 43.5 m, "epidote"																				
			spots (altered feldspar) but overall the texture is obscured																				
			and muddy. Vertical quartz-pyrite-carbonate vein (5 mm)																				
			at 43.8 m with 50% very fine grained pyrite but																				
			groundmass pyrite ranges from <0.5 to 2%.																				
45.1	51.5	AND	ANDESITE (FELDSPAR PHYRIC) - BROKEN	45.7	48.8	100	3	-	-				45.1	51.5	1	1	3	-	-				
			Dark grey-green, carbonate fracture fill. Feldspar altering	48.8	51.8	80																	
			to epidote, blebs of very fine grained pyrite replacing																				
			feldspar, local pyrite fracture fill. Feldspar phenos (<2mm)																				
			Rare quartz veinlet. Pyrite content from <0.5 to 7%.																				
51.5	60.3	MZ	MONZONITE(?) - WELL BROKEN	51.8	54.9	80	15	-	-				51.5	60.3	2	-	-	-	3		51.5	53.5	69887
			Light/medium grey, very fine grained pyrite in dissemi-	54.9	57.9	67															53.5	55.5	69888
			nated blebs. Locally strong sericite produces a foliation.	57.9	61.0	100															55.5	57.9	69889
			Carbonate fracture fill, locally pervasive. Sericite fracture																		57.9	59.9	69890
			fill and very weakly pervasive. From 59.9 m to end of																		59.9	61.0	69891
			interval ghosty feldspar are present.																				
60.3	65.0	MZ	MONZONITE(?) WELL BROKEN	61.0	64.0	23	10	-	-				60.3	65.0	1	-	-	5	1		61.0	67.1	69892
			Light grey, completely silicified, sausseritized feldspar,	64.0	67.1	23																	
			pyrite replacing or on selvages of feldspar. Carbonate																				
			fracture fill. Sericitic fracture surfaces.																				

NORANDA EXPLORATION COMPANY LTD.

1=very weak 2=weak 3=moderate 4=strong 5=very strong

Date Collared Aug 14/94	Date Completed Aug 15/94	CORE SIZE BDBGM	DIP TESTS				PROPERTY KLIYUL		PROJECT NO. 548	N.T.S. No. 94D/9	GRID NORTH (W.R.T. TRUE)
FIELD CO-ORDINATES		DEPTH	BEARING		ANGLE					SHEET 4 OF 5	MAGNETIC DECLINATION
LAT. 1545N	ELEV. 1735 m	DIP -45°	103 M	RECORDED	CORRECTED	RECORDED	CORRECTED	LAT.	ELEV.	DIP	HOLE No.	LOGGED BY L. ERDMAN
DEP. 3710E	LENGTH	BEARING 210°						DEP.	LENGTH	BEARING	NK-94-28	DATE: August 17, 1994

				GEOTECH									GEOCHEM								ASSAY		
FROM	TO	ROCK TYPE	DESCRIPTION	FROM	TO	% RECO VERY	% Py	% Cp	% Mt				FROM	TO	Carb	Chlor	Ep	Sil	Ser		FROM	TO	SAMPLE No.
65.0	70.3	AND	ANDESITE (FELDSPAR PHYRIC) - WELL BROKEN	67.1	70.1	63	<1	-	-				65.0	70.3	3	2	3	-	1				
			Dark grey-green. Similar to 45.1 to 51.5 m but with more carbonate veins. Sericite on fractures.																				
70.3	76.2	MZ	MONZONITE - WELL BROKEN	70.1	73.1	50	<1	-	-				70.3	76.2	2	2	2	-	1				
			Medium grey-green, spotted ghosty texture. Pervasive epidote alteration of some of the feldspar. Carbonate fracture fill.	73.1	76.2	100																	
			70.3 to 71.0 m. Strong carbonate veining and alteration destroys texture.																				
76.2	82.7	MZ	MONZONITE	76.2	79.2	23	5	-	-				76.2	82.7	2	1	-	-	3		76.2	82.3	69893
			Medium grey-green, foliated, contorted texture pervasive and fracture filled carbonate and veinlets. Chlorite fracture fill and locally in groundmass (mafic alteration?). Pyrite in disseminated "blebs" and grains, parallel to foliation.	79.2	82.3	30																	
82.7	83.4	DYK	DYKE MAFIC	82.3	85.3	80	-	-	2				82.7	83.4	3	4	-	-	-		82.3	84.3	69894
			Dark grey-green, fine grained, white carbonate fracture fill and veinlets. Pervasive carbonate. Weakly foliated. Very fine grained magnetite.																				
83.4	85.6	MZ	MONZONITE	83.4	85.6		5	-	-														
			Same as 76.2 to 82.7 m.																				
85.6	86.2	DYK	ANDESITE DYKE (?)	85.6	86.2		<1	-	1				85.6	86.2	4	1	-	-	3				
			Pervasive carbonate, weakly magnetic with fine grained magnetite. Poorly foliated, mafics to chlorite (rare).	85.3	88.4	100																	
86.2	91.0	AND	ANDESITE(?)	88.4	91.4	30	<1	-	-				86.2	91.0	3	3	-	-	2				
			Dark grey, pervasive/fracture filled carbonate. Final 80 cm is a shattered fault gouge. Poorly defined foliation. Brecciated at 87.2 m.																				

NORANDA EXPLORATION COMPANY LTD.

1=very weak 2=weak 3=moderate 4=strong 5=very strong

Date Collared Aug 14/94	Date Completed Aug 15/94	CORE SIZE BDBGM	DIP TESTS				PROPERTY KLIYUL	PROJECT NO. 548	N.T.S. No. 94D/9	GRID NORTH (W.R.T. TRUE)
	FIELD CO-ORDINATES		DEPTH	BEARING		ANGLE			SHEET 5 OF 5	MAGNETIC DECLINATION
LAT. 1545N	ELEV. 1735 m	DIP -45°	103 M	RECORDED	CORRECTED	RECORDED	CORRECTED	LAT.	ELEV.	DIP	HOLE No.	LOGGED BY L. ERDMAN
DEP. 3710E	LENGTH	BEARING 210°						DEP.	LENGTH	BEARING	NK-94-28	DATE: August 17, 1994

FROM	TO	ROCK TYPE	DESCRIPTION	GEOTECH FROM	TO	% RECOVERY	% Py	% Cp	% Mt				GEOCHEM FROM	TO	Carb	Chlor	Ep	Sil	Ser		ASSAY FROM	TO	SAMPLE No.
91.0	93.7	DYK	MONZONITE DYKE(?)	91.4	94.5	47	-	-	-				91.0	93.7	2	-	-	-	4				
			Dark green-grey with 10% white "spots" of feldspar																				
			spots to 4 mm but generally ≤2 mm. Local sausseritization of feldspar. Carbonate fracture fill.																				
93.7	96.3	AND	ANDESITE VOLCANICLASTIC	93.7	96.3		5	-	-				93.7	96.3	1	2	-	-	-				
			Medium grey with "clastic" texture. Mafics to chlorite, weak carbonate fracture fill, fine grained pyrite disseminations within mafics and in adjacent groundmass. Local weak pervasive carbonate. Pyrite fracture fill.																				
96.3	103.0	AND	ANDESITE (FELDSPAR PHYRIC)	94.5	97.5	60	10	-	-				96.3	103	3	-	-	-	4				
			Medium grey with 25%, ≤1 mm white feldspar "dots"	97.5	100.6	95																	
			carbonate fracture fill. Fine grained and blebs of pyrite,	100.6	103.0	7																	
			some replacing feldspar. Becoming strongly sericitic down hole so that final 4.5 m is foliated. Quartz veining pervasive carbonate in the foliated section, probably along foliation planes.																				
			99.1 to 99.5 m - Feldspar phyric dyke with epidote alteration of feldspar, 1% fine grained pyrite rock has buff coloured "dots".																				

NORANDA EXPLORATION COMPANY LTD.

1=very weak 2=weak 3=moderate 4=strong 5=very strong

Date Collared Oct 6/94	Date Completed Oct 10/94	CORE SIZE BDBGM	DIP TESTS	PROPERTY KLIYUL	PROJECT NO. 548
	FIELD CO-ORDINATES		DEPTH 73.76	BEARING (RECORDED / CORRECTED), ANGLE (RECORDED / CORRECTED)	
LAT. 651+90N	ELEV. 2070 m	DIP -65°		LAT. / ELEV. / DIP	
DEP. 794+77E	LENGTH	BEARING 215°		DEP. / LENGTH / BEARING	

N.T.S. No. 94D/8	GRID NORTH (W.R.T. TRUE) 330°
SHEET 1 of 2	MAGNETIC DECLINATION 023°E
HOLE No. NK-94-29	LOGGED BY L. ERDMAN
	DATE: October 11, 1994

FROM	TO	ROCK TYPE	DESCRIPTION	GEOTECH FROM	GEOTECH TO	% RECOVERY	% Py	GEOCHEM FROM	GEOCHEM TO	Chlor	Carb	Ep	ASSAY FROM	ASSAY TO	SAMPLE No.
0	7.62	OB	OVERBURDEN												
7.6	17.4	DI	DIORITE - VERY BROKEN	7.6	17.4	X	-	7.62	17.4	3	1	2	7.6	17.4	70176
			Medium green, fine grained. Quartz +/- carbonate veinlets	7.6	8.2	10									
			<2 mm at 45° to CA. Minor pieces of andesitic tuff but	8.2	9.1	6									
			recovery is so poor the relationship between diorite and	9.1	13.4	20									
			andesite cannot be determined.	13.4	16.5	10									
				16.5	17.4	3									
17.4	50.6	AND	ANDESITIC VOLCANICLASTIC - VERY BROKEN	17.4	50.6	X		17.4	50.6	3	1	3	17.4	41.8	70177
			Overall very poor recovery. Medium green, locally with	17.4	20.4	3							41.8	50.6	70178
			cream coloured 1 mm "spots" of feldspar(?). Rusty	20.4	23.5	10									
			fractures from 44.8 to 48.9 m. <1%, 1-2 mm quartz	23.5	26.5	6									
			veinlets at 40-60° to CA. Rare pieces of fine grained	26.5	38.7	1									
			diorite suggesting dykes. Local carbonate fracture fill.	38.7	41.8	30									
				41.8	44.8	6									
				44.8	47.9	40									
				47.9	51.5	43									
50.6	53.3	DI	DIORITE - BROKEN	50.6	53.3	43	-	50.6	53.3	4	2	2	50.6	53.3	70179
			Medium green, fine grained, mafics to chlorite. Carbonate												
			veinlets to 2 mm as well as carbonate fracture fill.												
53.3	56.0	AND	ANDESITIC VOLCANICLASTIC - BROKEN	53.3	56.0	50	Tr	53.3	56.0	2	-	3	53.3	56.0	70180
			Medium green with 30-40% <1 mm cream coloured												
			"spots" of feldspar. Trace fine grained pyrite. Rare,												
			ghosty, fragments of same composition.												
56.0	57.0	AND	ANDESITE TUFF - BROKEN	56.0	57.0	50	-	56.0	57.0	3	3	2			
			Medium green, fine grained tuff with rare angular fragments												
			to 2 mm. Pervasive and fracture fill carbonate. Final 5 cm												
			is a white quartz vein with carbonate fracture fill.												

NORANDA EXPLORATION COMPANY LTD.

1=very weak 2=weak 3=moderate 4=strong 5=very strong

Date Collared Oct 6/94	Date Completed Oct 10/94	CORE SIZE BDBGM	DIP TESTS				PROPERTY KLIYUL	PROJECT NO. 548
	FIELD CO-ORDINATES		DEPTH	BEARING		ANGLE		
LAT. 651+90N	ELEV. 2070 m	DIP -65°	73.76	RECORDED	CORRECTED	RECORDED	CORRECTED	LAT. / ELEV. / DIP
DEP. 794+77E	LENGTH	BEARING 215°						DEP. / LENGTH / BEARING

N.T.S. No. 94D/8	GRID NORTH (W.R.T. TRUE) 330°
SHEET 2 of 2	MAGNETIC DECLINATION 023°E
HOLE No.	LOGGED BY L. ERDMAN
NK-94-29	DATE: October 11, 1994

FROM	TO	ROCK TYPE	DESCRIPTION	GEOTECH FROM	GEOTECH TO	% RECOVERY	% Py	GEOCHEM FROM	GEOCHEM TO	Chlor	Carb	Ep	ASSAY FROM	ASSAY TO	SAMPLE No.
57.0	62.8	AND	ANDESITIC VOLCANICLASTIC - BROKEN	57.0	62.8	X	-	57.0	62.8	2	-	2	56.0	60.0	70181
			Medium green with 30-40%, <1 mm cream coloured	57.0	60.0	50							60.0	63.1	70182
			feldspar "spots". Ghosty <5 mm subrounded fragments	60.0	63.1	47									
			of same composition comprise <1% of core. Rusty brown												
			fractures.												
62.8	73.76	AND	ANDESITIC LAPILLI TUFF - BROKEN	62.8	73.76	X	1	62.8	73.76	2	-	3	63.1	66.1	70183
			Medium green with rusty brown fractures and cream	63.1	66.1	73							66.1	69.2	70184
			spots, similar to above interval but fragment content has	66.1	69.2	70							69.2	72.2	70185
			increased locally to 5%. Feldspar altered to epidote.	69.2	72.2	73							72.2	73.76	70186
			Fragments are either similar to matrix rock or tan colored	72.2	75.76	66									
			and more felsic. Size ranges up to 1.5 cm, subangular												
			to subrounded. Trace to 5% very fine grained dissemi-												
			nated pyrite. Magnetite on some fracture surfaces.												

APPENDIX V

STATEMENT OF COSTS

NORANDA EXPLORATION COMPANY, LIMITED
STATEMENT OF COSTS

PROJECT: KLIYUL DATE: DECEMBER, 1994

TYPE OF REPORT: DIAMOND DRILLING

a) Wages:

No. of Mandays	:	22 mandays (Geologist and Assistant)	
Rate per Manday:		$181.36/manday	
Dates From	:	August 1 - 10, 1994	
Total Wages	:	22 x $181.36	$3,990.00

b) Food & Accommodations:

No. of Mandays	:	62 mandays (including drillers)	
Rate per Manday:		$18.03/manday	
Dates From	:	August 1 - 10, 1994	
Total Costs	:	62 x $18.03	$1,117.86

c) Transportation:

No. of Mandays	:	22 mandays	
Rate per Manday:		$42.32/manday	
Dates From	:	August 1 - 10, 1994	
Total Costs	:	22 x $42.32	$931.00

d) Instrument Rental:

Type of Instrument:
No. of Mandays :
Rate per Manday:
Dates From :
Total Costs :

Type of Instrument:
No. of Mandays :
Rate per Manday:
Dates From :
Total Costs :

e)	Analysis: (See attached schedule)	200 Samples	$3,200.00
f)	Cost of Preparation of Report:		
	Author :	2 mandays @ $260.00	$520.00
	Drafting:	2 mandays @ $260.00	$520.00
	Typing :	1 manday @ $180.00	$180.00
g)	Other: Drilling		
	Contractor:	Britton Bros. Diamond Drilling Ltd.	$49,136.91
	Other: Helicotper		
	Contractor:	Pacific Western Helicopters Ltd.	
		13.3 hrs @ $702.00/hr including fuel	$9,339.00
		TOTAL COST	**$68,934.77**
h)	Unit Costs for Drilling:		
	No. of Units :	602.3 meters	
	Unit Costs :	$114.45/meter	
	Total Cost :	602.3 m x $114.45	$68,934.77

NORANDA EXPLORATION COMPANY, LIMITED

DETAILS OF ANALYSIS COSTS

PROJECT: KLIYUL

ELEMENT	NO. OF DETERMINATIONS	COST PER DETERMINATION	TOTAL COSTS
ICP (30 Element) + Geochem Au	200	$16.00	$3,200.00

NORANDA EXPLORATION COMPANY, LIMITED
STATEMENT OF COSTS

PROJECT: KLIYUL DATE: DECEMBER 1994

TYPE OF REPORT: DRILLING

a) Wages:

No. of Mandays :	11 mandays	
Rate per Manday:	$222.27/manday	
Dates From :	October 4-11, 1994	
Total Wages :	11 x $222.27	$2,445.00

b) Food & Accommodations:

No. of Mandays :	27 (16 driller mandays + 11 geologist mandays)	
Rate per Manday:	$18.03/manday	
Dates From :	October 4-11, 1994	
Total Costs :	27 x $18.03	$486.81

c) Transportation:

No. of Mandays :	11 mandays	
Rate per Manday:	$54.91/manday	
Dates From :	October 4-11, 1994	
Total Costs :	11 x $54.91	$604.00

d) Instrument Rental:

Type of Instrument:
No. of Mandays :
Rate per Manday:
Dates From :
Total Costs :

Type of Instrument:
No. of Mandays :
Rate per Manday:
Dates From :
Total Costs :

e)	Analysis: (See attached schedule)	11 Samples	$176.00
f)	Cost of Preparation of Report:		
	Author :	1 manday @ $260.00	$260.00
	Drafting:	1 manday @ $200.00	$200.00
	Typing :	1 manday @ $180.00	$180.00
g)	Other: Drilling		
	Contractor:	Britton Bros. Diamond Drilling Ltd.	$9,703.76
	Other: Helicopter		
	Contractor:	Pacific Western Helicopters Ltd. (10.7 hrs @ $702.00/hr including fuel)	$7,511.40
		TOTAL COST	**$21,566.97**

h)	Unit Costs for Drilling:			
	No. of Units	:	73.26 meters	
	Unit Costs	:	$292.39/meter	
	Total Cost	:	72.26 m x $292.39	$21,566.97

NORANDA EXPLORATION COMPANY, LIMITED

DETAILS OF ANALYSIS COSTS

PROJECT: KLIYUL

ELEMENT	NO. OF DETERMINATIONS	COST PER DETERMINATION	TOTAL COSTS
ICP (30 Element) + Geochem Au	11	$16.00	$176.00

APPENDIX VI

STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, D. Graham Gill of the City of Vancouver, Province of British Columbia, hereby certify that:

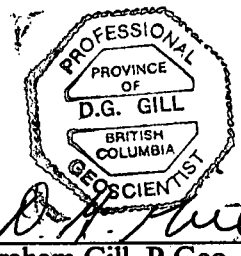
I am a geologist residing at 5442 - 7th Avenue, Delta, B.C.

I have graduated from the University of British Columbia in 1983 with a BSc in geology.

I have worked in mineral exploration since 1979.

I have been a temporary employee with Noranda Exploration Company, Limited since May, 1983 and a permanent employee since November 1987.

I am a member in good standing of the Professional Engineers & Geoscientist of British Columbia.



D. Graham Gill, P.Geo.

MORRAINE GRID

KLIYUL MAIN GRID

JOH 6 55.5E

'GINGER B' Q.V.

INDEPENDENCE Q.V.

JD 6 ID POST

POST 2 JUL 3

WEST KLIYUL CREEK

EAST KLIYUL CREEK

LAY CREEK

Divide Lake

WEST LAKE

DARB 2

KC 2

JOH 6 | JOH 9 | JOH 10

YUL 13 | YUL 12 | YUL 11 | YUL 10 | YUL 9 | YUL 7 | YUL 8

UTA 6 | UTA 4

JD 4 | JD 6 | JD 7

LEGEND

INTRUSIVES

14	FELDSPAR PORPHYRY
13	QUARTZ MONZONITE
12	LEUCOCRATIC DIORITE
11	MELANOCRATIC DIORITE
10	ALTERED MONZONITE/DIORITE
9	GABBRO/PYROXENITE
8	LISTWANITE

TAKLA GROUP ROCKS

7	AUGITE PORPHYRY
6	ALTERED UNDIVIDED FLOWS/TUFFS
5	GRAPHITIC SHALES/MUDSTONES
4	CLASTIC METASEDIMENTS,SILTSTONES,SANDSTONES
3	CALCAREOUS AGGLOMERATES/LIMESTONES
2	ANDESITE FRAGMENTAL
1	UNDIVIDED FLOWS/TUFFS

ABBREVIATIONS

SK SKARN

F FERROCRETE

SYMBOLS

- TRENCH
- Q.V. BOULDER TRAIN
- 1992 SAMPLE
- FLOAT SAMPLE(1993)
- GRAB/CHIP SAMPLE(1993)
- PIT LOCATION
- FOLIATION
- BEDDING
- FRACTURE
- FAULT
- STREAM
- LAKE
- GULLY
- CLAIM BOUNDARY INTERSECTIONS
- FAULT
- QUARTZ VEIN
- CONTACT
- BREAK IN SCOPE
- DRILL HOLE LOCATION
- CLAIM POST
- OUTLINE OF SURFACE SKARN MINERALIZATION
- CAMP
- SWAMP
- CAT TRAIL

BRITISH COLUMBIA GEOLOGICAL BRANCH ASSESSMENT REPORT

23,797

REVISED

KLIYUL PROJECT

COMPILATION

PROJ.No. 548

N.T.S. 94D/9

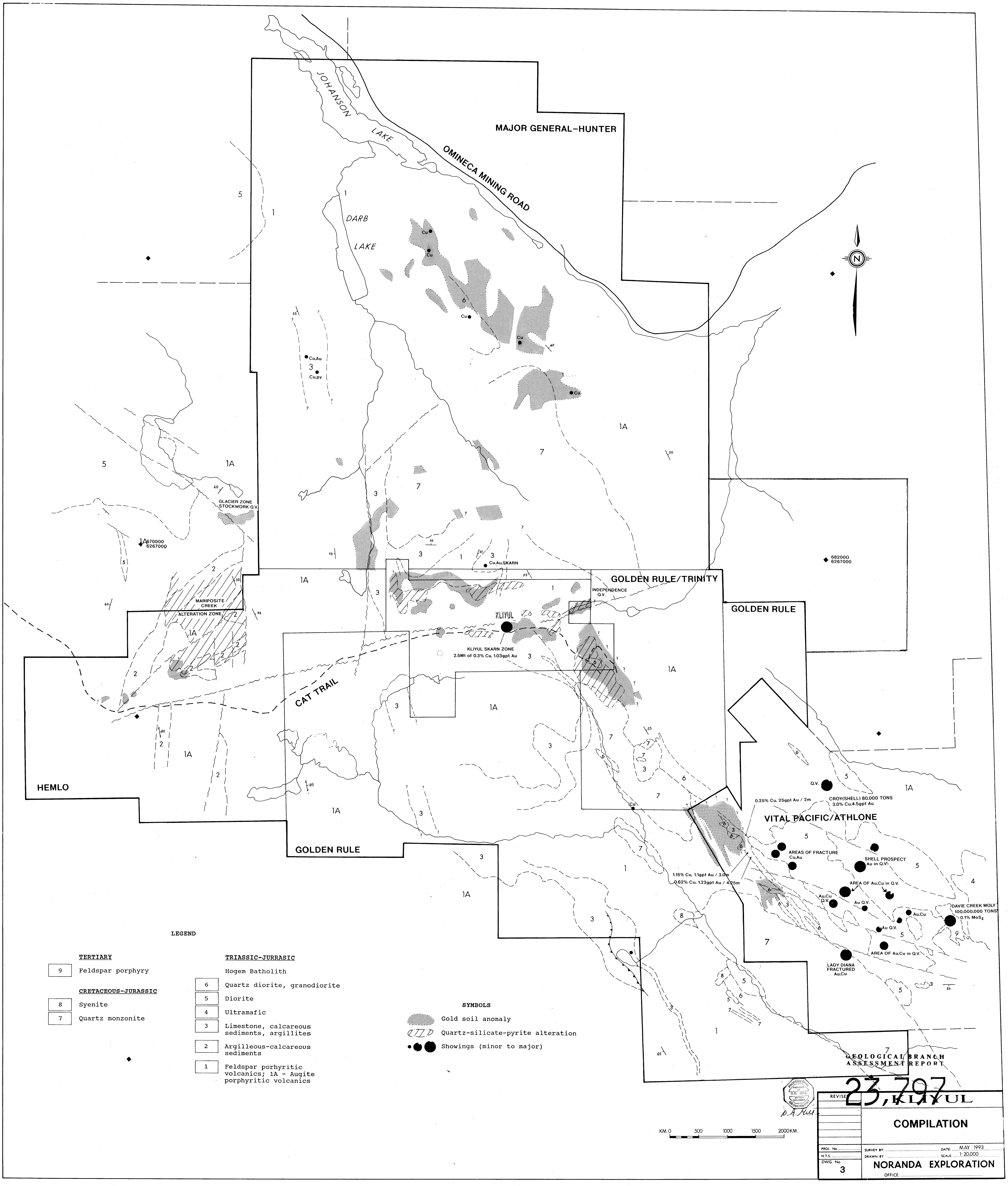
DWG No. 4

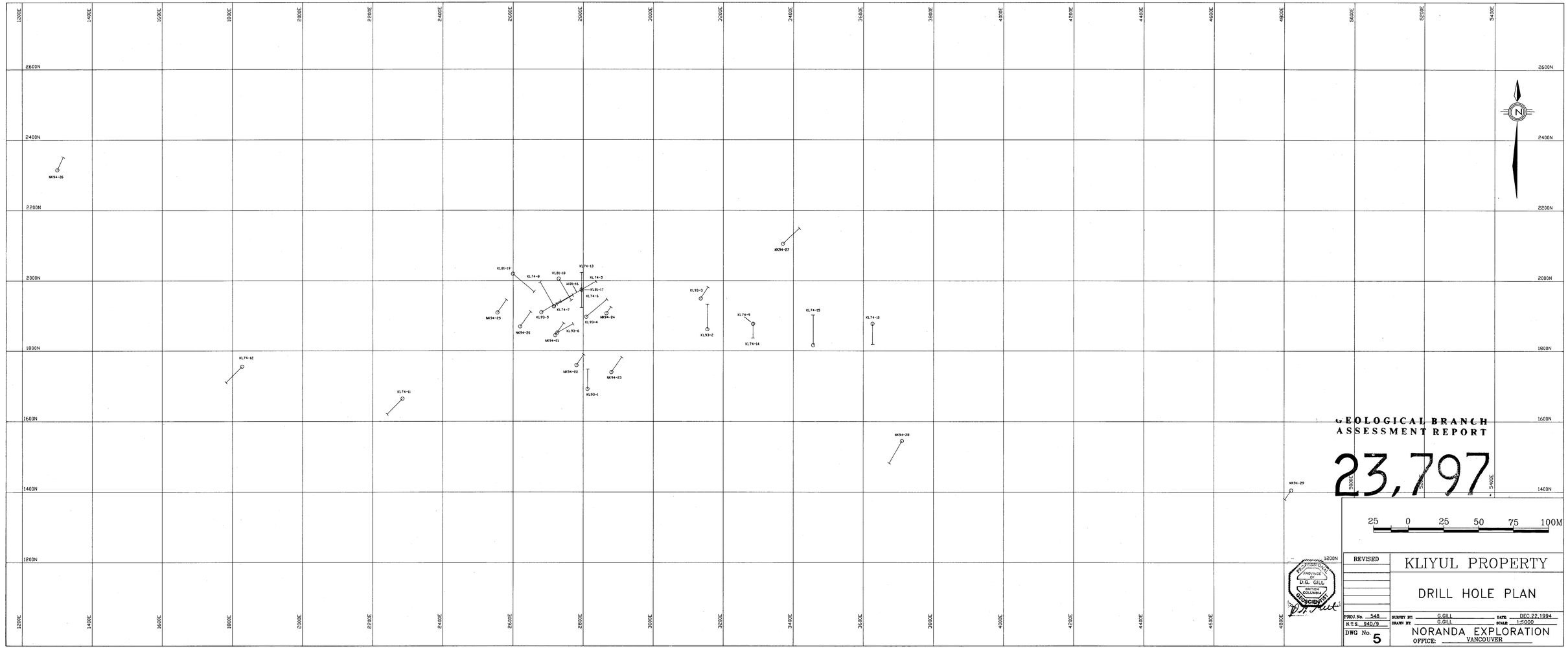
SURVEY BY: G.GILL DATE: JAN.3,1995

DRAWN BY: G.MARTIN SCALE: 1:5000

HEMLO GOLD MINES INC.

OFFICE: VANCOUVER


JOHANSON LAKE
OMINECA MINING ROAD
MAJOR GENERAL-HUNTER
DARB LAKE
GLACIER ZONE
STOCKWORK Q.V.
670000
6267000
MARIPOSITE
CREEK
ALTERATION ZONE
HEMLO
CAT TRAIL
GOLDEN RULE
Cu.Au
Cu.py
Cu.Au.SKARN
GOLDEN RULE/TRINITY
INDEPENDENCE
Q.V.
KLIYUL
KLIYUL SKARN ZONE
2.5Mt of 0.3% Cu, 1.03gpt Au
682000
6267000
GOLDEN RULE
Q.V.
CROY(SHELL) 80,000 TONS
3.0% Cu,4.5gpt Au
0.25% Cu, 25gpt Au / 2m
VITAL PACIFIC/ATHLONE
AREAS OF FRACTURE
Cu,Au
SHELL PROSPECT
Au in Q.V.
AREA OF Au,Cu in Q.V.
1.15% Cu, 1.1gpt Au / 3.0m
0.62% Cu, 1.23gpt Au / 4.25m
Au,Cu
Q.V.
Au Q.V.
Au,Cu
DAVIE CREEK MOLY
100,000,000 TONS
0.1% MoS2
Au Q.V.
AREA OF Au,Cu in Q.V.
LADY DIANA
FRACTURED
Au,Cu
LEGEND
TERTIARY
9 Feldspar porphyry
CRETACEOUS-JURASSIC
8 Syenite
7 Quartz monzonite
TRIASSIC-JURRASIC
Hogem Batholith
6 Quartz diorite, granodiorite
5 Diorite
4 Ultramafic
3 Limestone, calcareous sediments, argillites
2 Argilleous-calcareous sediments
1 Feldspar porhyritic volcanics; 1A - Augite porphyritic volcanics
SYMBOLS
Gold soil anomaly
Quartz-silicate-pyrite alteration
Showings (minor to major)
GEOLOGICAL BRANCH
ASSESSMENT REPORT
23,797
PROFESSIONAL
PROVINCE OF
D.G. GILL
BRITISH COLUMBIA
GEOSCIENTIST
KM.0 500 1000 1500 2000KM.
REVISED
KLIYUL
COMPILATION
PROJ. No.
N.T.S.
DWG. No.
3
SURVEY BY:
DRAWN BY:
DATE: MAY 1993
SCALE: 1:20,000
NORANDA EXPLORATION
OFFICE:


1200E
1400E
1600E
1800E
2000E
2200E
2400E
2600E
2800E
3000E
3200E
3400E
3600E
3800E
4000E
4200E
4400E
4600E
4800E
5000E
5200E
5400E
2600N
2400N
2200N
2000N
1800N
1600N
1400N
1200N
N
MK94-26
MK94-27
MK94-29
KL81-19
KL74-9
KL81-18
KL74-13
KL74-5
MK94-16
KL81-17
KL74-6
KL74-7
KL93-5
KL93-4
MK94-24
MK94-25
MK94-20
KL93-6
MK94-21
KL93-3
KL93-2
KL74-9
KL74-14
KL74-15
KL74-18
KL74-12
KL74-11
MK94-22
MK94-23
KL93-1
GEOLOGICAL BRANCH
ASSESSMENT REPORT
23,797
25 0 25 50 75 100M
REVISED
KLIYUL PROPERTY
DRILL HOLE PLAN
PROJ No. 548
N.T.S. 92O/9
DWG No. 5
SURVEY BY: G.GILL
DRAWN BY: G.GILL
DATE: DEC.22,1994
SCALE: 1:5000
NORANDA EXPLORATION
OFFICE: VANCOUVER
REGISTERED PROFESSIONAL ENGINEER
PROVINCE OF
D.G. GILL
BRITISH COLUMBIA
CANADA

2500E 2600E 2700E 2800E 2900E 3000E 3100E 3200E 3300E

2200N

2100N

2000N

1900N

1800N

1700N

KL81-19
KL81-18
KL74-13
KL74-5
KL81-17
kl81-16
KL74-6
KL74-8
KL74-7
KL93-5
NK94-25
NK94-20
NK94-21
KL93-6
KL93-4
nk94-24
NK94-22
NK94-23
KL93-1
KL93-3
KL93-2
KL74-14
KL74-9

GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,797

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
D.G. GILL
OF SCIENCE

20 10 0 20 40 60 80M.

REVISED	KLIYUL PROPERTY
	DRILL HOLE LOCATIONS
PROJ. No. 548	SURVEY BY: C.GILL DATE: NOV.15,1994
N.T.S. 94D/9	DRAWN BY: C.GILL SCALE: 1:10000
DWG No. 6	NORANDA EXPLORATION
	OFFICE: VANCOUVER

1850N

1900N

1950N

2620E

2620E

1750

1750

OVERBURDEN

MONZONITE

157.00 2.00

ANDESITE

ANDESITE TUFF

MONZONITE

ANDESITE

ANDES? DYKE

ANDESITE

ANDES? DYKE

1068.00 2.00

ANDESITE

1309.00 5.80

RHYOLITE DYKE

FELD PHYR ANDES

1700

DACITE TUFF

549.00 3.10

ANDES TUFF

529.00 6.10

ANDESITE

MONZONITE

ANDESITE

2490.00 3.00

1427.00 2.00

ANDESITE? TUFF

562.00 2.00

3442.00 2.00

477.00 3.00

1391.00 6.00

2575.00 2.00

3661.00 1.30

937.00 3.00

FELD PHYR ANDES

748.00 3.10

1362.00 2.60

879.00 3.50

1774.00 2.00

532.00 4.10

732.00 2.40

533.00 4.00

ANDESITE

1650

185.00 3.00

DACITE DYKE

ANDESITE?

311.00 2.00

DACITE TUFF

463.00 2.40

ANDESITE?

4615.00 1.60

FELD PHYR ANDES

1666.00 2.00

1265.00 2.00

ANDESITE?

ANDESITE

1230.00 2.00

1273.00 2.00

1353.00 2.00

FELD PHYR ANDES

1429.00 2.00

2281.00 2.00

1501.00 2.00

1400.00 2.00

DACITE DYKE?

798.00 2.00

328.00 2.00

863.00 2.00

FELD PHYR ANDES

427.00 2.00

759.00 2.00

1560.00 2.00

ANDESITE

1022.00 2.00

FELD PHYR ANDES

670.00 2.00

ANDESITE

ANDESITE DYKE

657.00 2.40

ANDESITE DYKE

152.40 m.
NK94-20

1600

1600

1955N

1850N

1900N

GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,797

Cu(ppm) / Interval(m) Geology

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
D.G. GILL
GEOSCIENTIST

100 50 0 10 20 30 40M.

REVISED	KLIYUL PROPERTY
	DDH NK94-20
	SECTION 2620E
	(LOOKING WEST)
PROJ. No. 548	SURVEY BY: G.GILL DATE: FEB.14,1995
N.T.S. 94D/9	DRAWN BY: G.GILL SCALE: 1:250
DWG No. 7	NORANDA EXPLORATION
	OFFICE: VANCOUVER

1850N

1900N

2720E

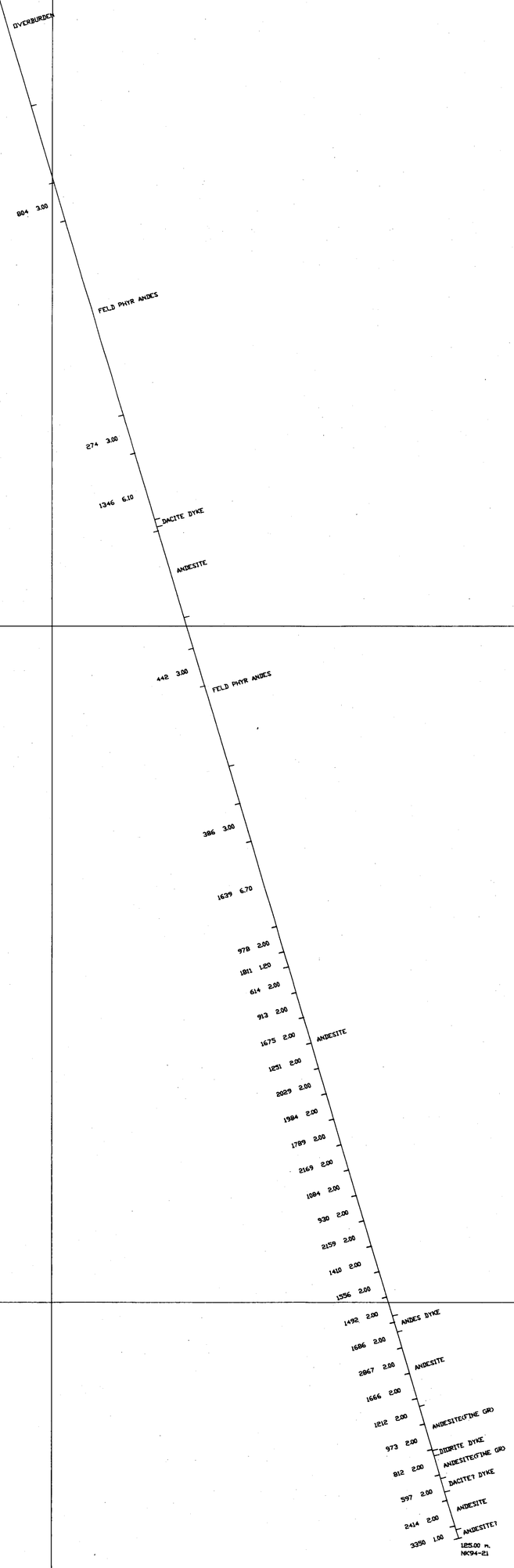
2720E

1770

1770

1750

1750



1700

1700

1650

1650

1600

1600

1850N

1900N

GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,797

Cu(ppm) / interval(m) Geology

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
D.G. GILL
GEOSCIENTIST

100 50 0 10 20 30 40M.

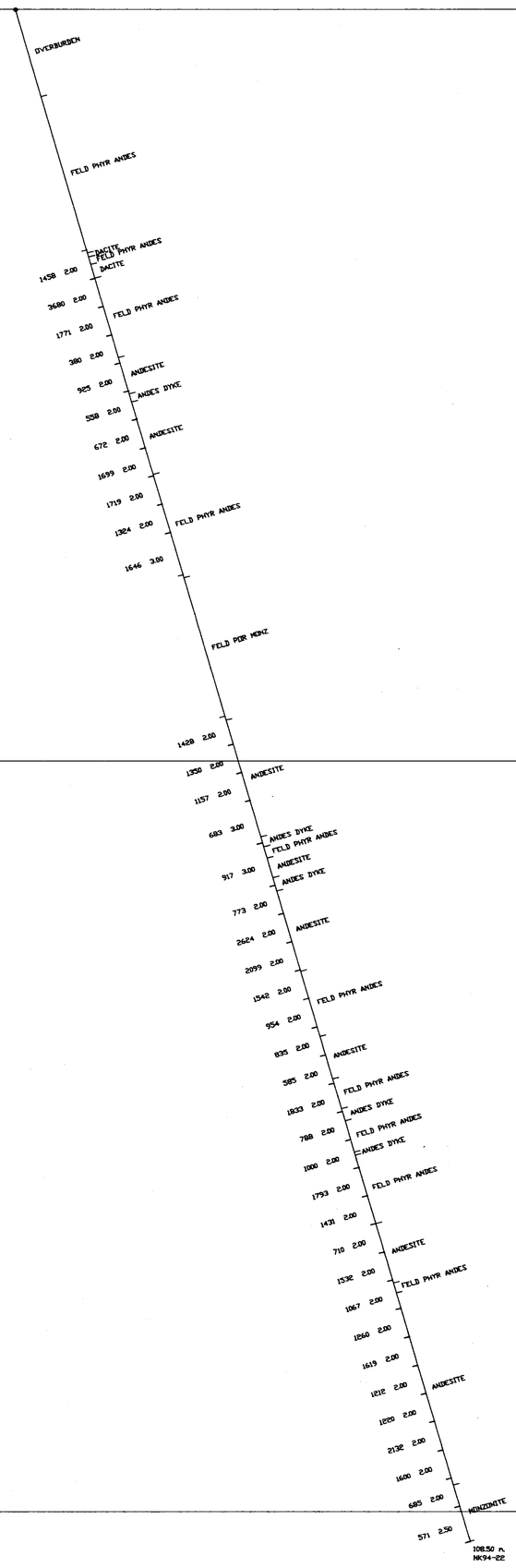
REVISED	KLIYUL PROPERTY
	DDH NK94-21
	SECTION 2720E
	(LOOKING WEST)
PROJ.No. 548	SURVEY BY: G.GILL DATE: NOV.17.1994
N.T.S. 94D/9	DRAWN BY: G.GILL SCALE: 1:250
DWG No. 8	NORANDA EXPLORATION
	OFFICE: VANCOUVER

1750N 1800N 1850N

2780E 2780E

1770 1770

1750 1750



1700 1700

1650 1650

1600 1600

1750N 1800N 1850N

GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,797

Cu(ppm) / Interval(m) Geology

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
D.G. GILL
GEOSCIENTIST

100 50 0 10 20 30 40M.

REVISED	KLIYUL PROPERTY
	DDH NK94-22
	SECTION 2780E
	(LOOKING WEST)
PROJ.No. 548	SURVEY BY: G.GILL DATE: NOV.17,1994
N.T.S. 94D/9	DRAWN BY: G.GILL SCALE: 1:250
DWG No. 9	NORANDA EXPLORATION
	OFFICE: VANCOUVER

1750N

1800N

2880E

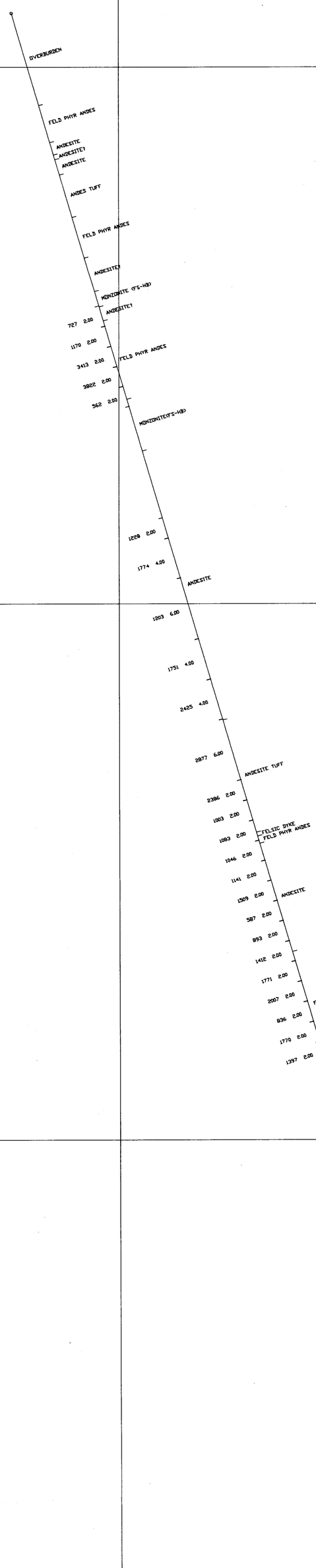
2880E

1770

1770

1750

1750



1700

1700

1650

1650

1600

1600

1750N

1800N

GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,797

Cu(ppm) / Interval(m) — Geology

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
D.G. GILL
GEOSCIENTIST

100 50 0 10 20 30 40M.

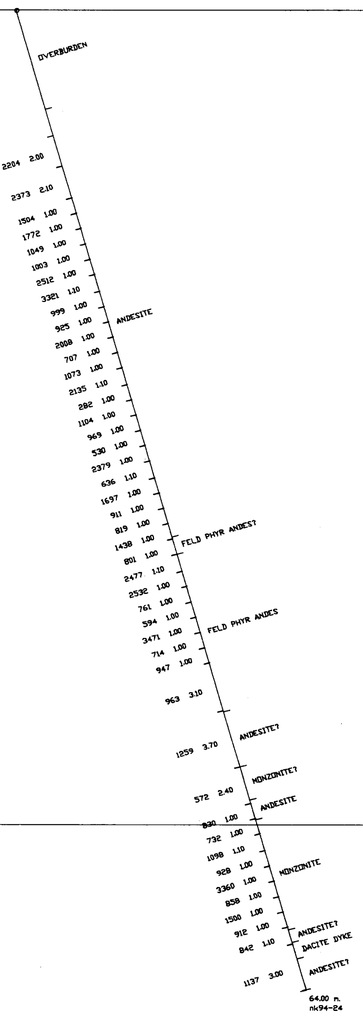
REVISED	KLIYUL PROPERTY
	DDH NK94-23
	SECTION 2880E
	(LOOKING WEST)
PROJ.No. 548	SURVEY BY: G.GILL DATE: NOV.17.1994
N.T.S. 94D/9	DRAWN BY: G.GILL SCALE: 1:250
DWG No. 10	NORANDA EXPLORATION
	OFFICE: VANCOUVER

1900N | 1950N | 2000N

2866E | 2998E

1800 | 1800

1750 | 1750



1700 | 1700

1650 | 1650

1600 | 1600

1900N | 1950N | 2000N

GEOLOGICAL BRANCH
ASSESSMENT REPORT

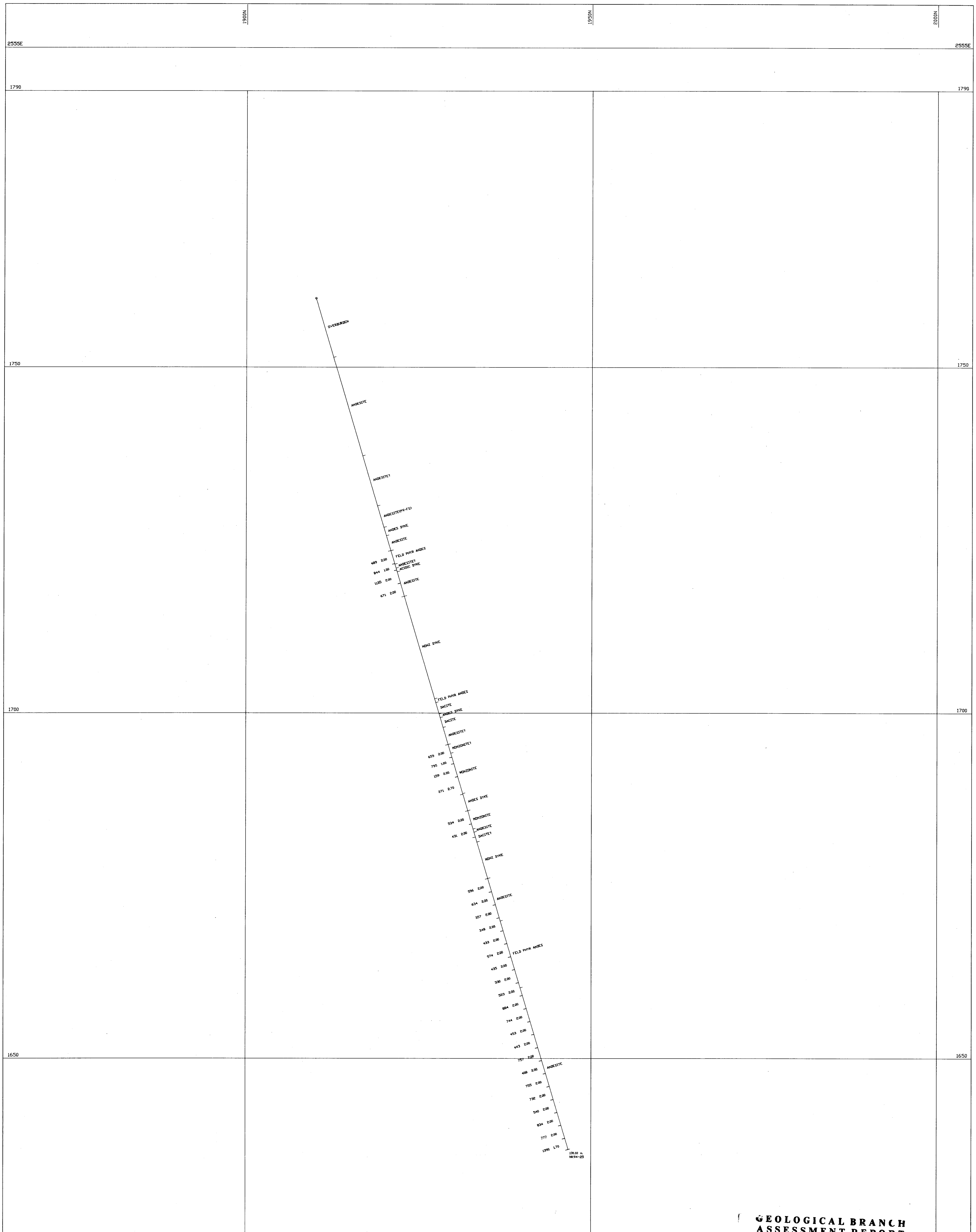
23,797

Cu(ppm) / interval(m) — Geology

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
D.G. GILL
GEOSCIENTIST

100 50 0 10 20 30 40M.

REVISED	KLIYUL PROPERTY
	DDH NK94-24
	SECTION 2866E
	(LOOKING WEST)
PROJ.No. 548	SURVEY BY: G.GILL DATE: NOV.17,1994
N.T.S. 94D/9	DRAWN BY: G.GILL SCALE: 1:250
DWG No. 11	NORANDA EXPLORATION
	OFFICE: VANCOUVER



GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,797

REVISED	KLIYUL PROPERTY
	DDH NK94-25
	SECTION 2555E
	(LOOKING WEST)
PROJ.No. 548	SURVEY BY: G.GILL DATE: NOV.17,1994
N.T.S. 94D/9	DRAWN BY: G.GILL SCALE: 1:250
DWG No. 12	NORANDA EXPLORATION OFFICE: VANCOUVER

2300N 2350N 2400N

1300E 1300E

1880 1880

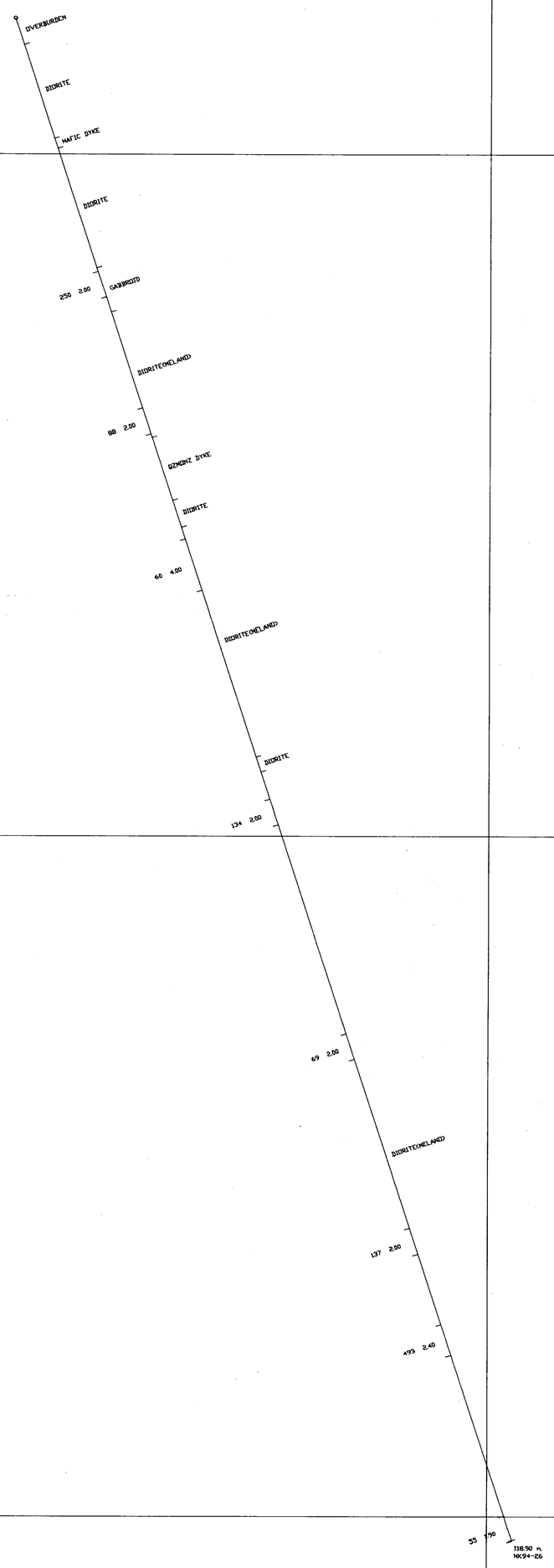
1850 1850

1800 1800

1750 1750

1700 1700

2300N 2350N



GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,797

Cu(ppm) / interval(m) Geology

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
D.G. GILL
GEOSCIENTIST

100 50 0 10 20 30 40M.

REVISED	KLIYUL PROPERTY
	DDH NK94-26
	SECTION 1300E
	(LOOKING WEST)
PROJ. No. 548	SURVEY BY: G.GILL DATE: NOV.17.1994
N.T.S. 94D/9	DRAWN BY: G.GILL SCALE: 1:250
DWG No. 13	NORANDA EXPLORATION
	OFFICE: VANCOUVER

2100N

2150N

3370E

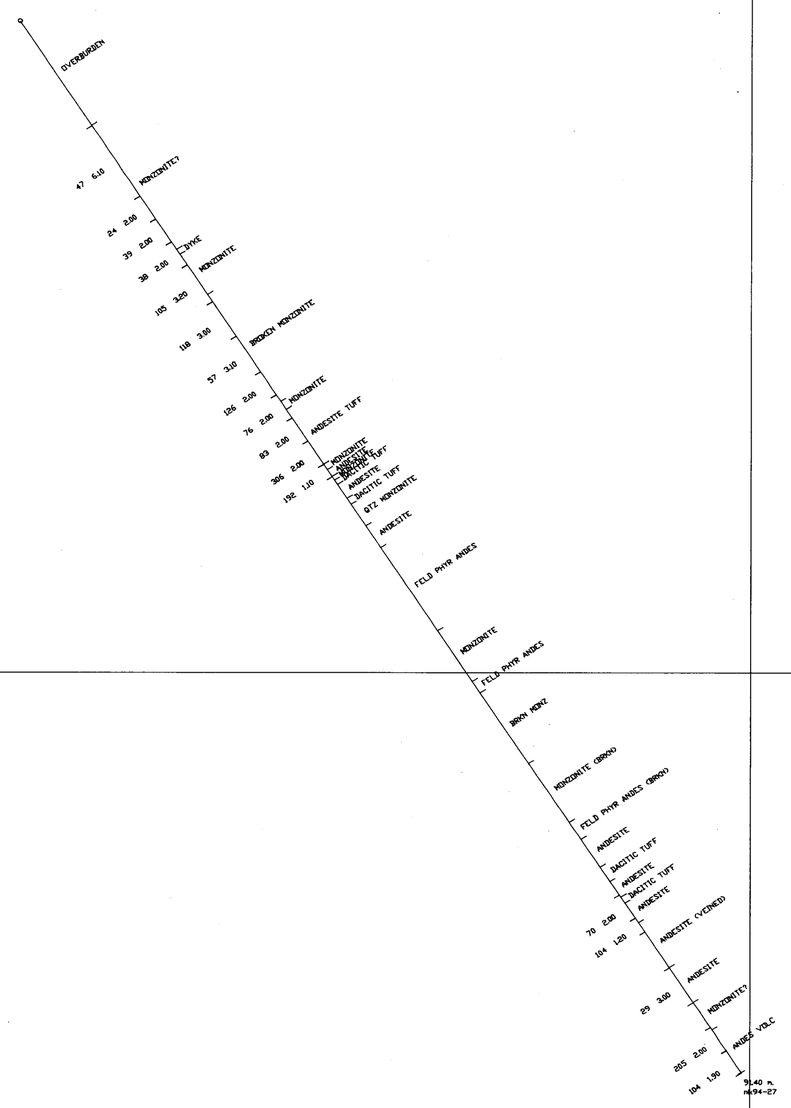
3370E

1790

1790

1750

1750



1700

1700

1650

1650

1600

1600

2100N

2150N

GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,797

Cu(ppm) / interval(m) Geology

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
D.G. GILL
GEOSCIENTIST

100 50 0 10 20 30 40M.

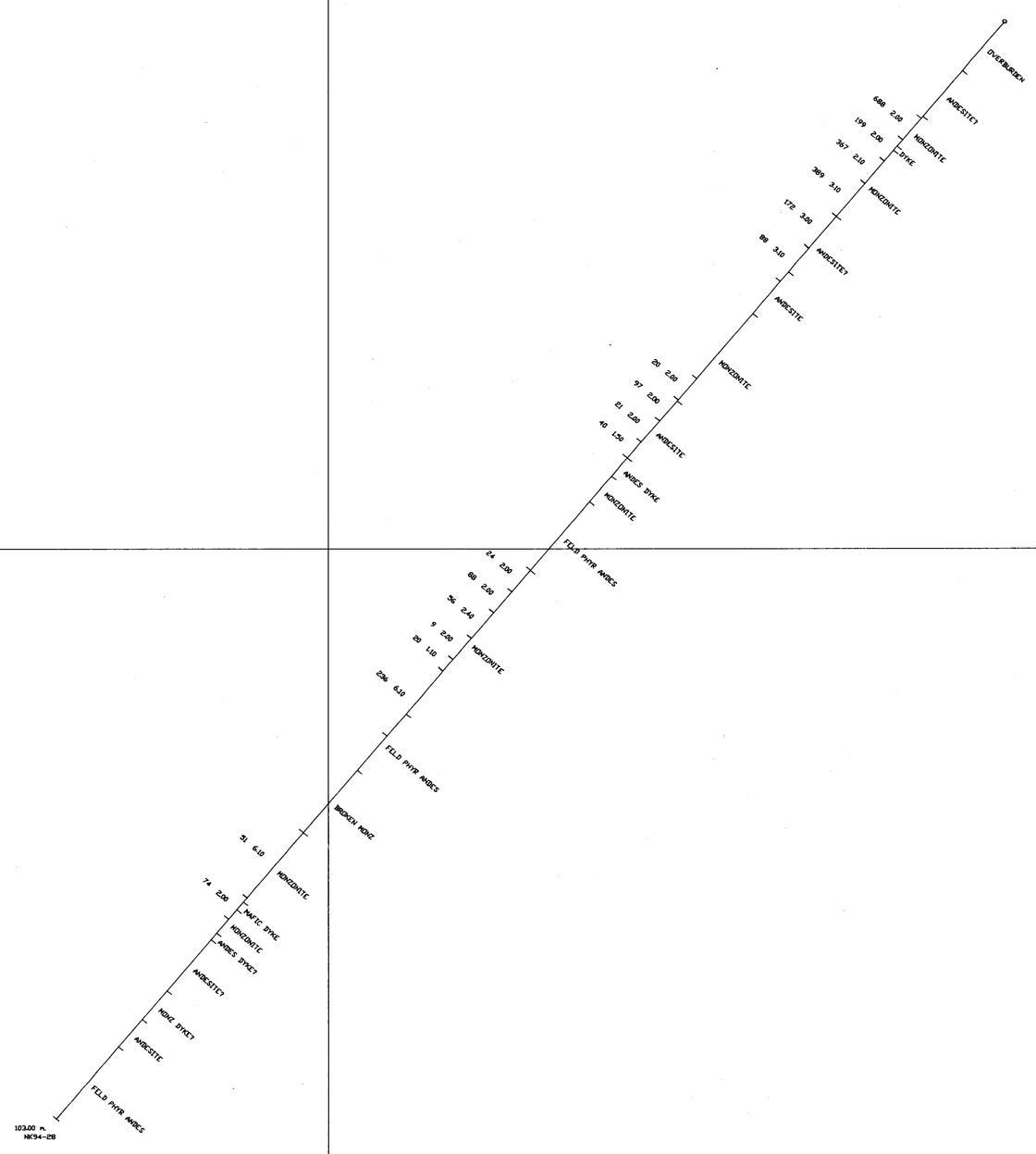
REVISED	KLIYUL PROPERTY
	DDH NK94-27
	SECTION 3370E
	(LOOKING WEST)
PROJ. No. 548	SURVEY BY: G.GILL DATE: NOV.17.1994
N.T.S. 94D/9	DRAWN BY: G.GILL SCALE: 1:250
DWG No. 14	NORANDA EXPLORATION
	OFFICE: VANCOUVER

1450N | 1500N | 1550N

3710E | 3710E

1785 | 1785

1750 | 1750



1700 | 1700

1650 | 1650

1600 | 1600

1450N | 1500N | 1550N

GEOLOGICAL BRANCH
ASSESSMENT REPORT

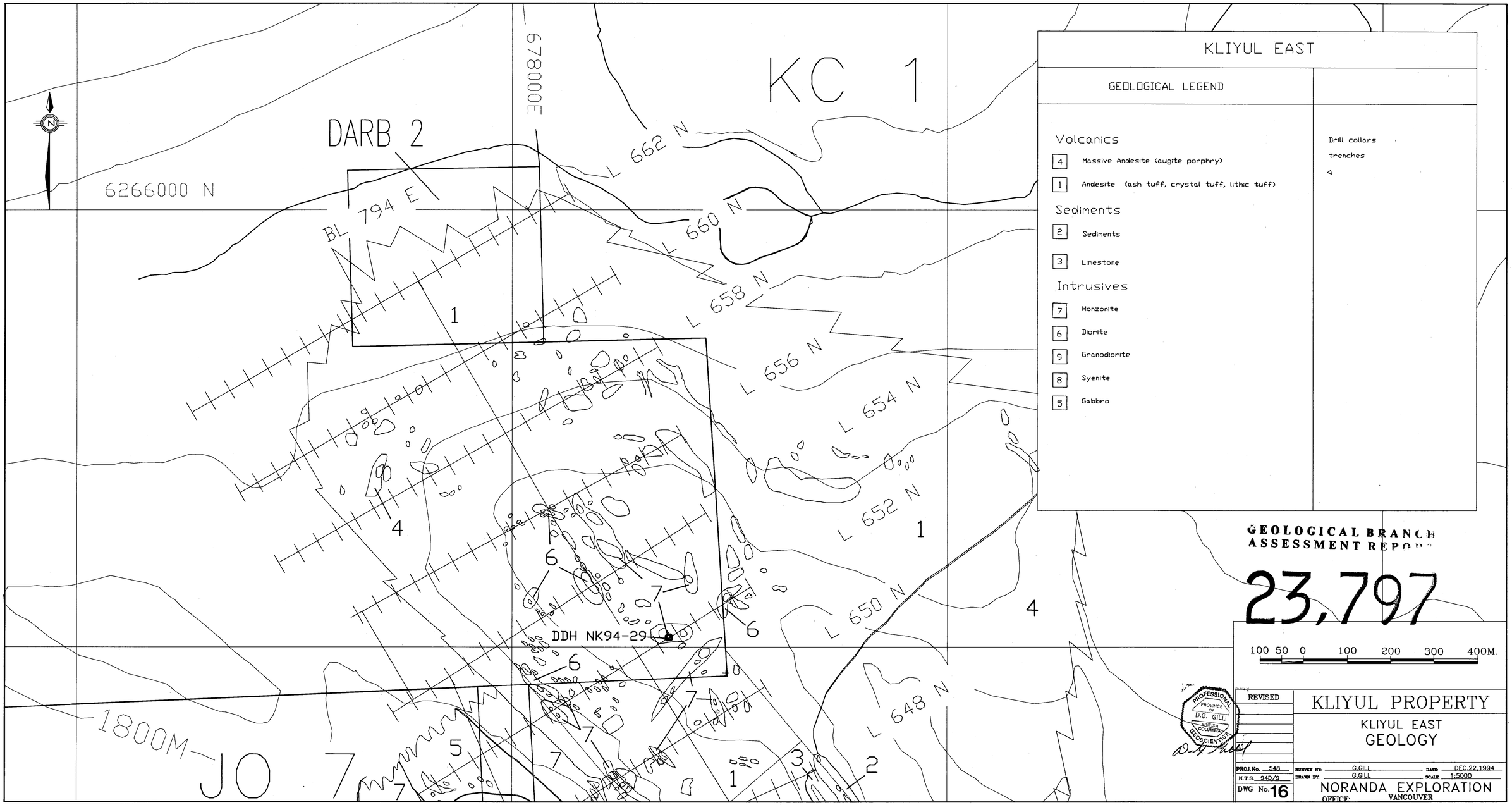
23,797

Cu(ppm) / Interval(m) | Geology

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
D.G. GILL
GEOSCIENTIST

100 50 0 10 20 30 40M.

REVISED	KLIYUL PROPERTY
	DDH NK94-28
	SECTION 3710E
	(LOOKING WEST)
PROJ.No. 548	SURVEY BY: G.GILL DATE: NOV.17.1994
N.T.S. 94D/9	DRAWN BY: G.GILL SCALE: 1:250
DWG No. 15	NORANDA EXPLORATION
	OFFICE: VANCOUVER



KLIYUL EAST

GEOLOGICAL LEGEND

Volcanics

- 4 Massive Andesite (augite porphry)
- 1 Andesite (ash tuff, crystal tuff, lithic tuff)

Sediments

- 2 Sediments
- 3 Limestone

Intrusives

- 7 Monzonite
- 6 Diorite
- 9 Granodiorite
- 8 Syenite
- 5 Gabbro

Drill collars

trenches

4

GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,797

100 50 0 100 200 300 400M.

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
D.G. GILL
GEOSCIENTIST

REVISED

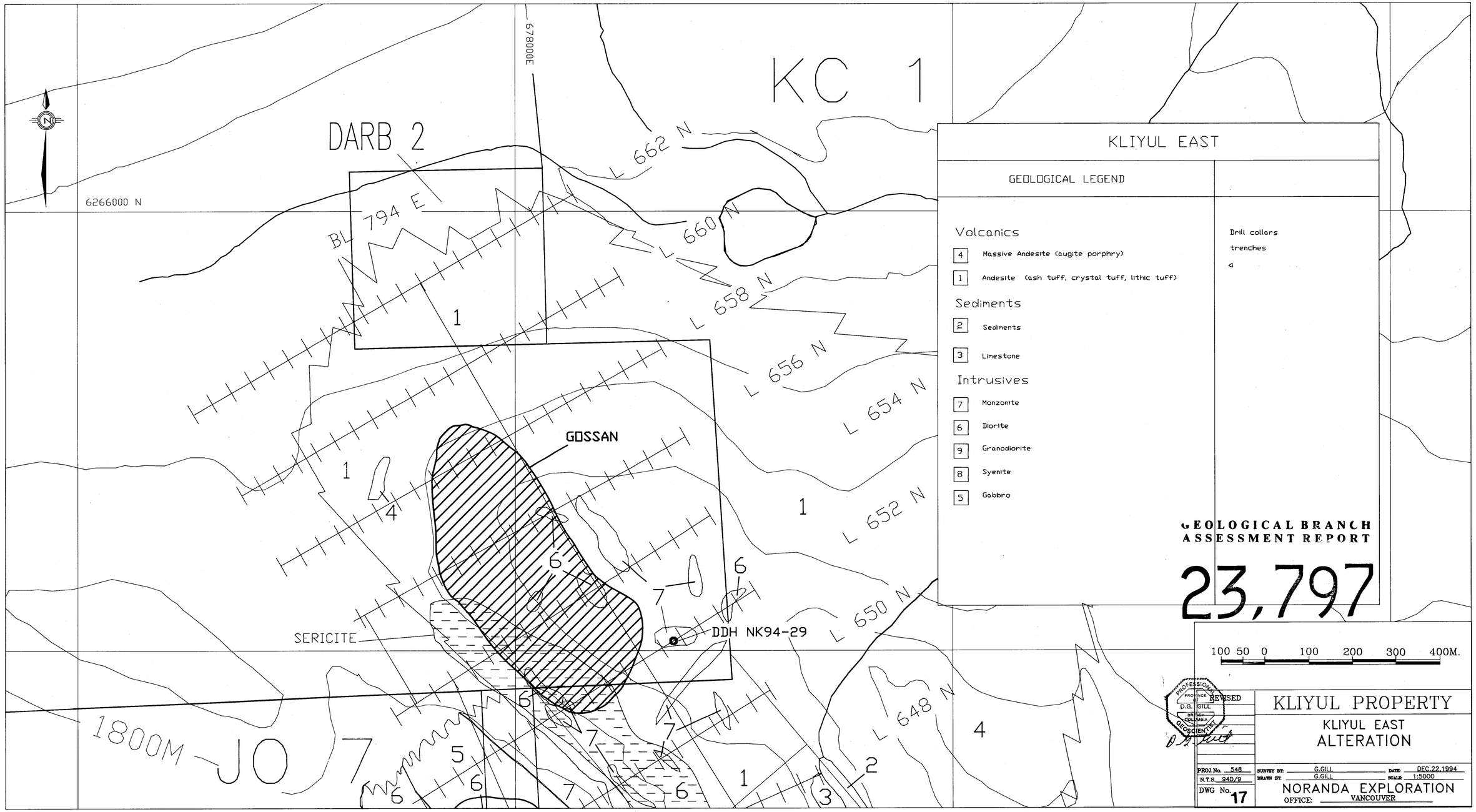
KLIYUL PROPERTY

KLIYUL EAST GEOLOGY

PROJ. No. 548
N.T.S. 94D/9
DWG No. 16

SURVEY BY: G.GILL DATE: DEC.22.1994
DRAWN BY: G.GILL SCALE: 1:5000

NORANDA EXPLORATION
OFFICE: VANCOUVER



KLIYUL EAST

GEOLOGICAL LEGEND

Volcanics

4 Massive Andesite (augite porphry)

1 Andesite (ash tuff, crystal tuff, lithic tuff)

Sediments

2 Sediments

3 Limestone

Intrusives

7 Monzonite

6 Diorite

9 Granodiorite

8 Syenite

5 Gabbro

Drill collars

trenches

GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,797

100 50 0 100 200 300 400M.

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA D.G. GILL GEOSCIENTIST

REVISED

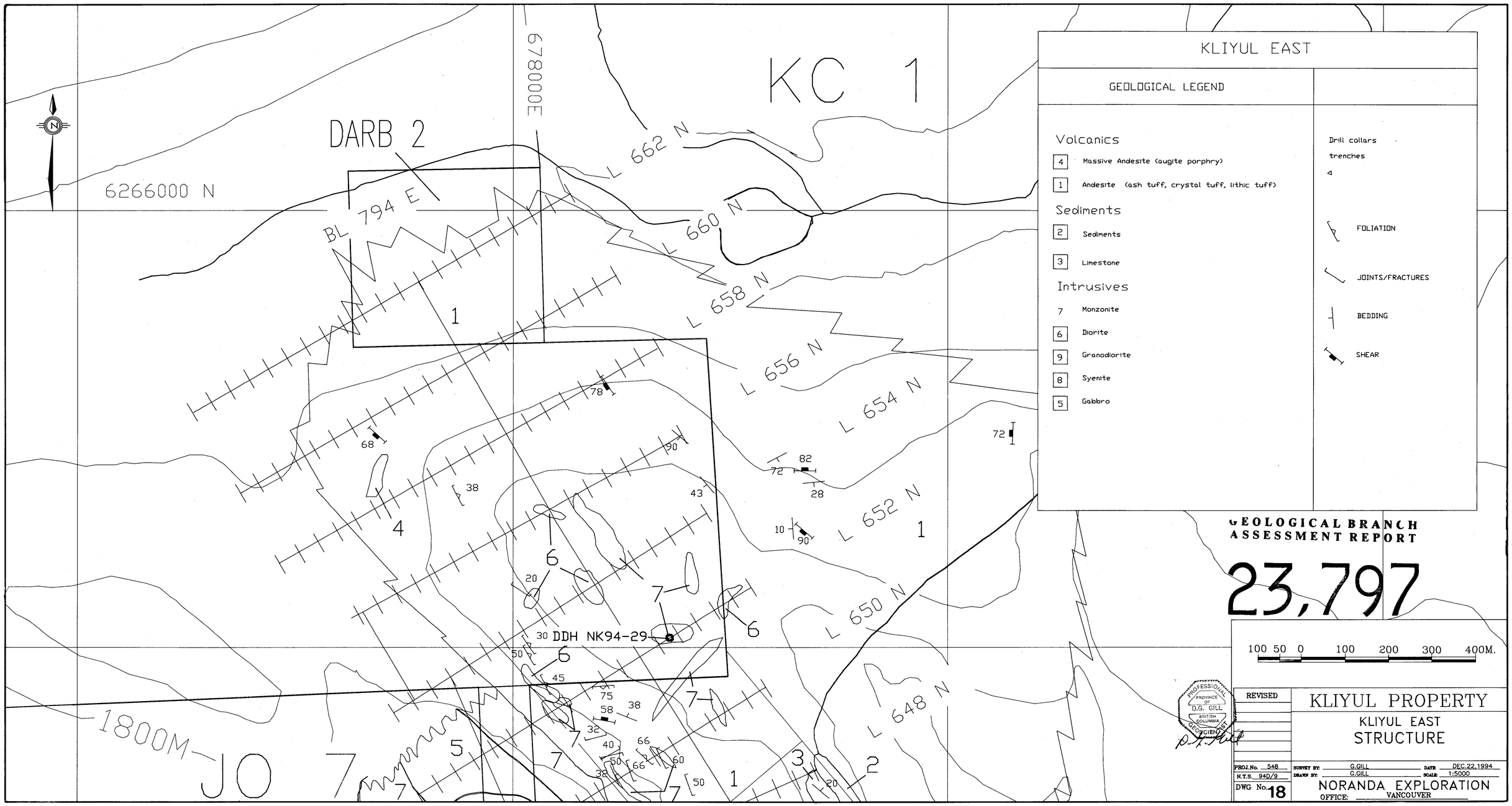
KLIYUL PROPERTY

KLIYUL EAST ALTERATION

PROJ. No. 548
N.T.S. 94D/9
DWG No. 17

SURVEY BY: C.GILL
DRAWN BY: C.GILL
DATE: DEC.22.1994
SCALE: 1:5000

NORANDA EXPLORATION
OFFICE: VANCOUVER



KLIYUL EAST

GEOLOGICAL LEGEND

Volcanics

- 4 Massive Andesite (augite porphry)
- 1 Andesite (ash tuff, crystal tuff, lithic tuff)

Sediments

- 2 Sediments
- 3 Limestone

Intrusives

- 7 Monzonite
- 6 Diorite
- 9 Granodiorite
- 8 Syenite
- 5 Gabbro

Drill collars
trenches
4

FOLIATION

JOINTS/FRACTURES

BEDDING

SHEAR

GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,797

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
D.G. GILL
GEOLOGICAL SOCIETY

REVISED

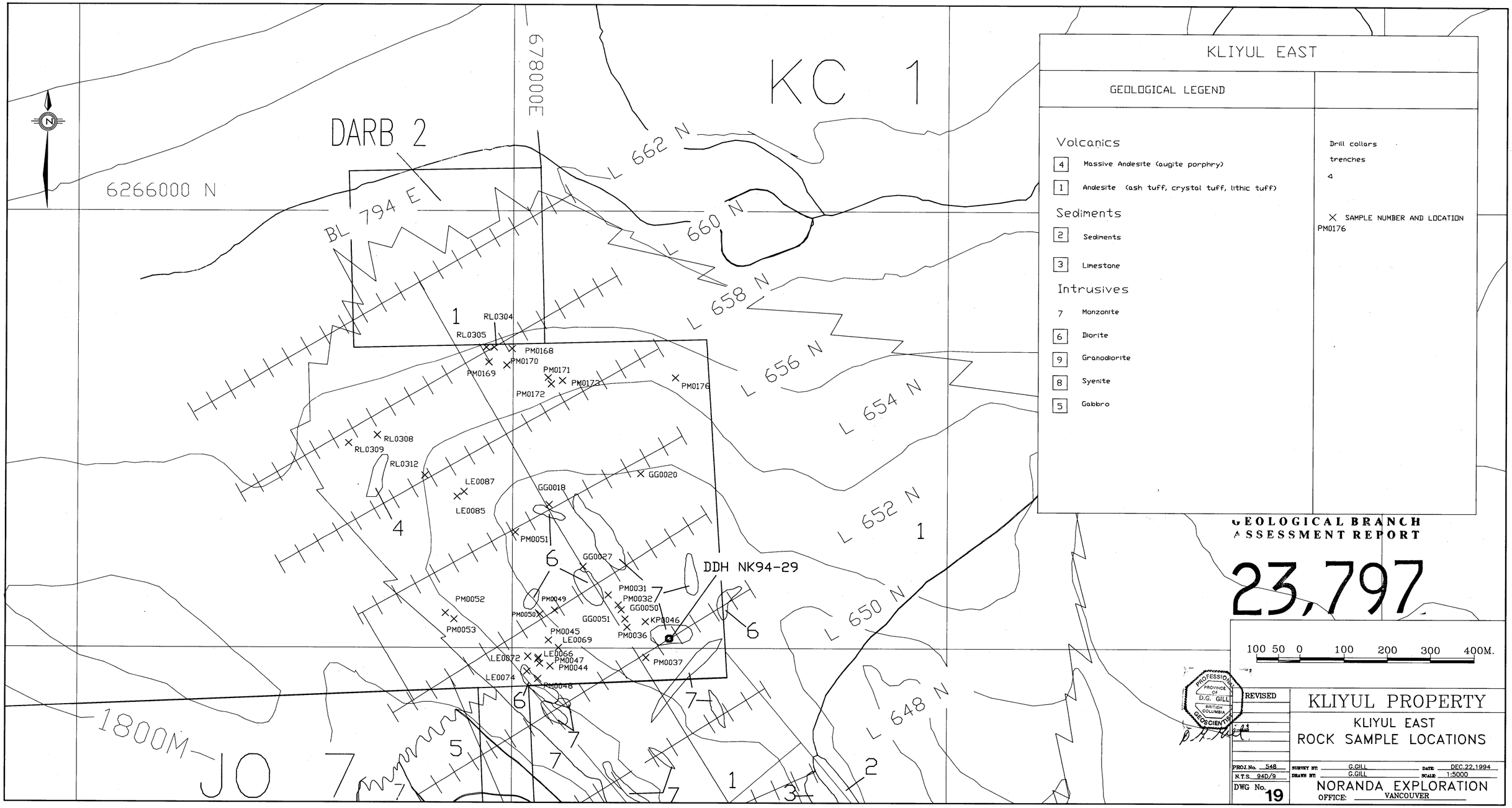
KLIYUL PROPERTY

KLIYUL EAST
STRUCTURE

PROJ. No. 548
N.T.S. 94D/9
DWG No. 18

SURVEY BY: G.GILL DATE: DEC.22,1994
DRAWN BY: G.GILL SCALE: 1:5000

NORANDA EXPLORATION
OFFICE: VANCOUVER



KLIYUL EAST

GEOLOGICAL LEGEND

Volcanics

- 4 Massive Andesite (augite porphry)
- 1 Andesite (ash tuff, crystal tuff, lithic tuff)

Sediments

- 2 Sediments
- 3 Limestone

Intrusives

- 7 Monzonite
- 6 Diorite
- 9 Granodiorite
- 8 Syenite
- 5 Gabbro

Drill collars

trenches

4

× SAMPLE NUMBER AND LOCATION
PM0176

GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,797

100 50 0 100 200 300 400M.

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
D.G. GILL
GEOSCIENTIST

REVISED

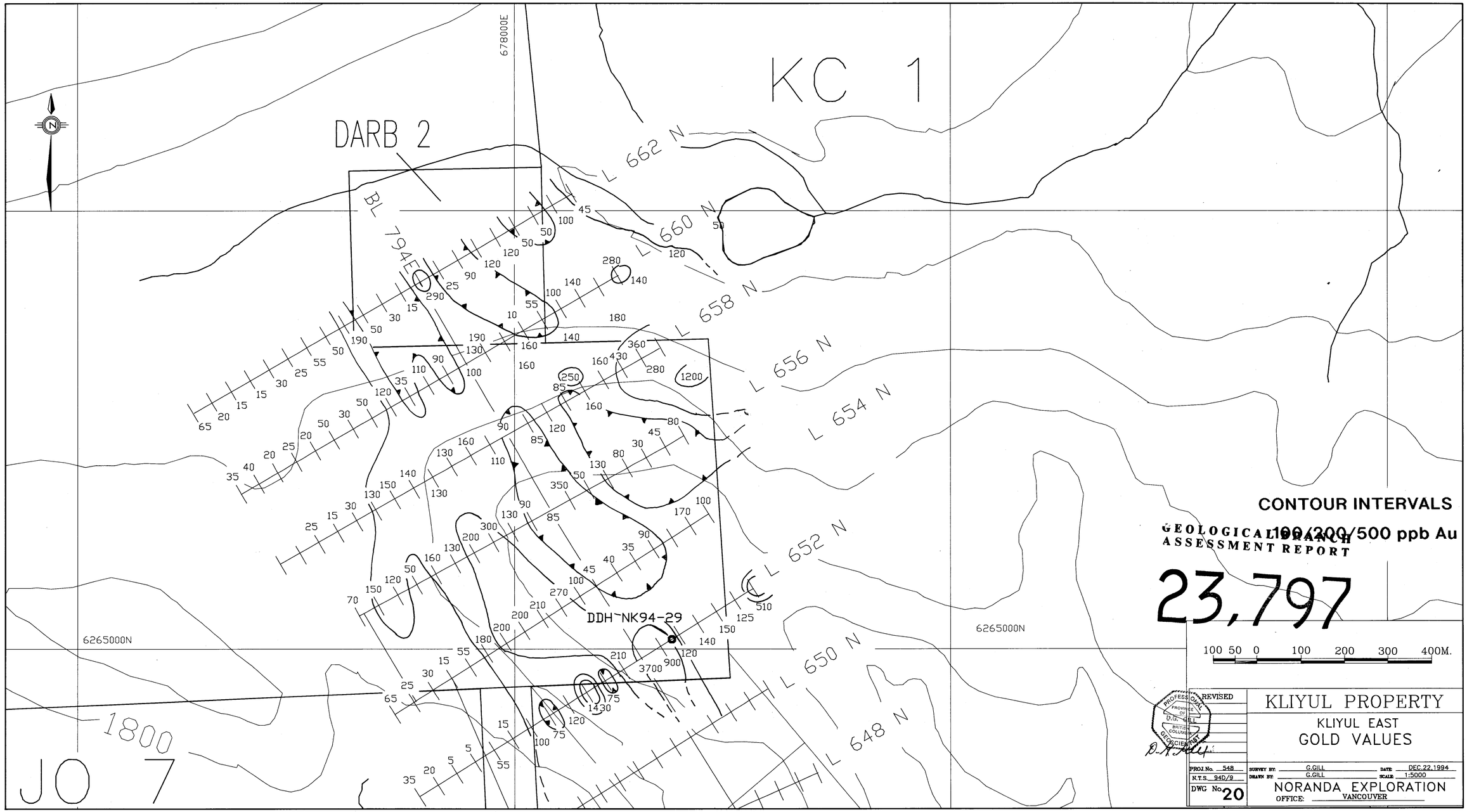
KLIYUL PROPERTY

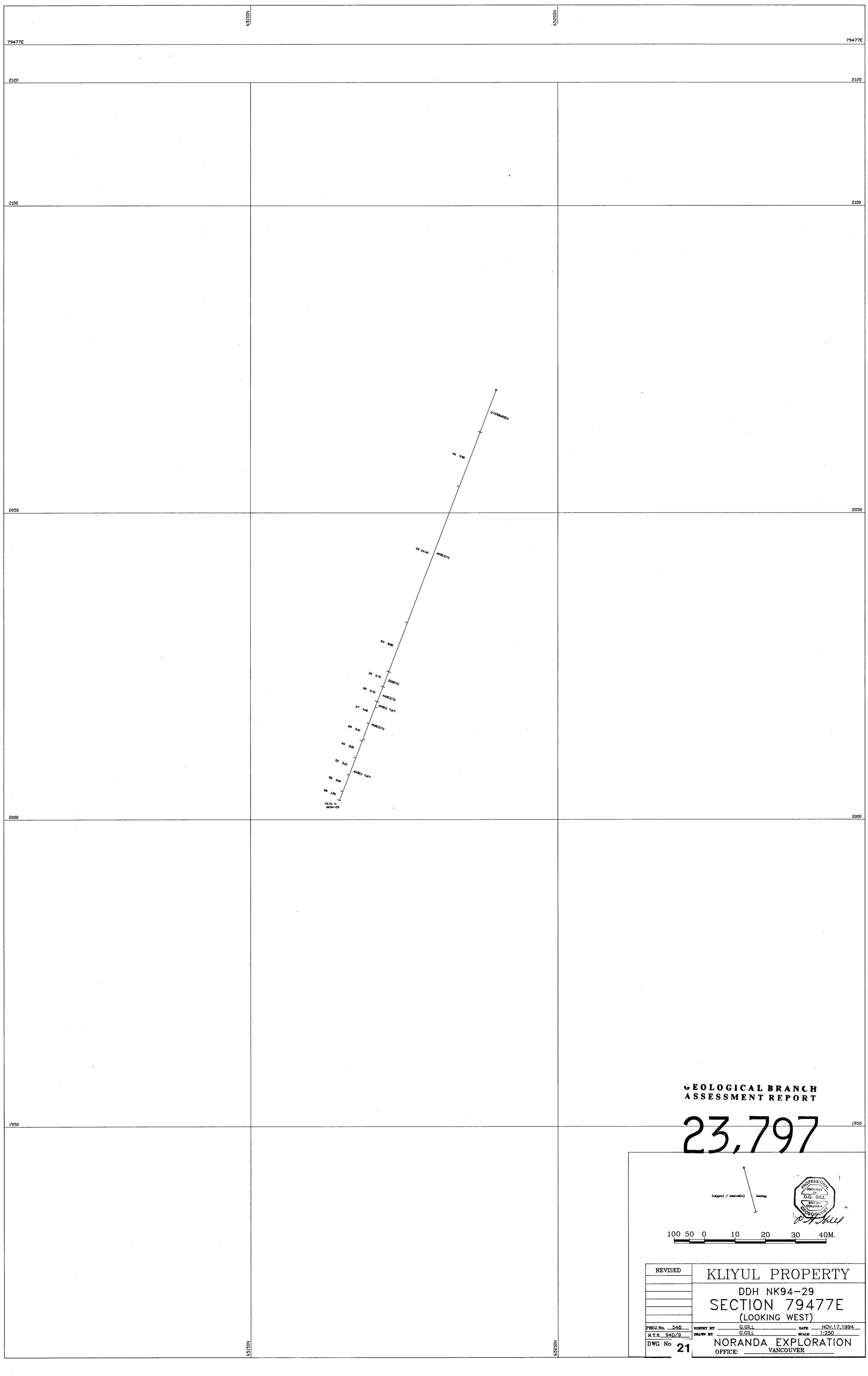
KLIYUL EAST
ROCK SAMPLE LOCATIONS

PROJ. No. 548
N.T.S. 94D/9
DWG No. 19

SURVEY BY: G.GILL DATE: DEC.22,1994
DRAWN BY: G.GILL SCALE: 1:5000

NORANDA EXPLORATION
OFFICE: VANCOUVER





GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,797

REVISED	KLIYUL PROPERTY
	DDH NK94-29
	SECTION 79477E
	(LOOKING WEST)
PROJ.No. 548	SURVEY BY: G.GILL DATE: NOV.17.1994
N.T.S. 94D/9	DRAWN BY: G.GILL SCALE: 1:250
DWG No 21	NORANDA EXPLORATION
	OFFICE: VANCOUVER