ASSESSMENT REPORT

ON DIAMOND DRILLING, CONTOUR SOIL SAMPLING

AND GEOPHYSICAL SURVEYS OF THE

GJ PROPERTY

Liard Mining Division, British Columbia
NTS 104G/9E and 9W
Latitude: 57° 39' N
Longitude: 130° 14'W

on behalf of

ASCOT RESOURCES LTD.
Vancouver, B.C.

by

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January 29, 1991

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INTRODUCTION

The GJ property is located on the Klastline Plateau within the Stikine Arch of northwestern British Columbia. The property was optioned by Ascot Resources Ltd. in 1989 from International Curator Resources Ltd. as a prime porphyry Cu-Au prospect with the added potential for hosting precious metal rich veins which commonly occur peripheral to these deposits.

Initial exploration carried out on the property in 1989 included wacker drilling over much of the old grid atop the plateau to test bedrock mineralization and alteration below a fairly extensive overburden cover, detailed silt sampling, prospecting and geological mapping. Old drill core was partially re-logged and sampled and the presence of significant porphyry copper style mineralization with appreciable gold values (i.e. 0.46% Cu; 0.028 oz/ton Au; 0.27 oz/ton Ag over 100.6 m in DDH 70-2) confirmed.

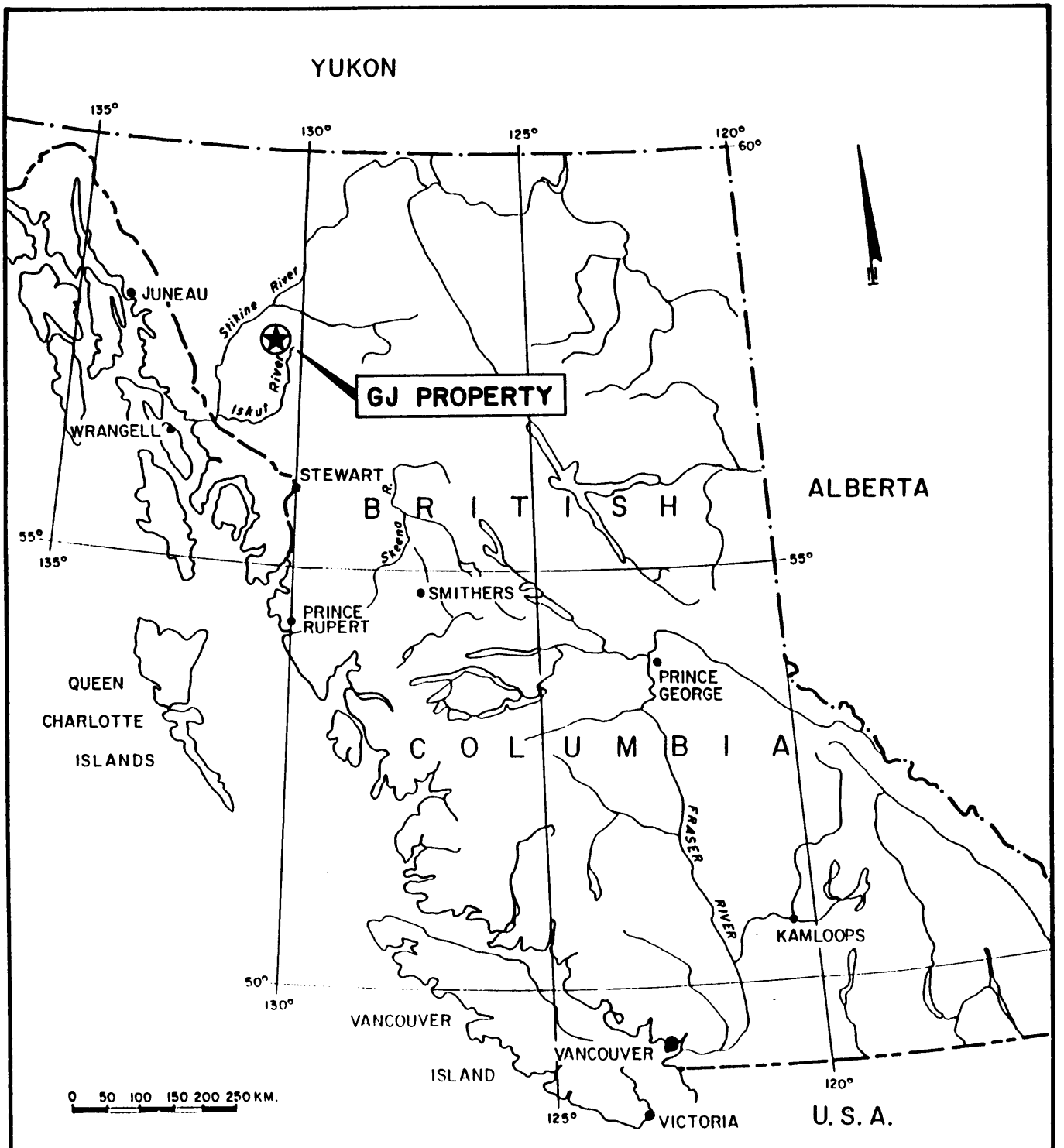
In 1990, Keewatin Engineering Inc. was contracted by Ascot Resources Ltd. to carry out further exploration on the GJ porphyry copper-gold system. To meet this objective existing mineralized zones were tested along strike, previously untested targets were drilled, areas with indications of higher grade material were examined and new targets were identified. Field work included ground magnetics and I.P. surveys, extensive contour soil sampling along the banks of Groat Creek, prospecting and rock sampling and drilling nine diamond drill holes totalling 1,656 metres.

Field work was carried out from a camp established on the Klastline Plateau 1.6 km south of the property.

Location and Access

The GJ property is located in the Stikine region of northwestern British Columbia approximately 190 km north of Stewart, B.C. (Figure 1). It is centred 6 km west of Kinaskan Lake and 26.5 km southwest of Iskut Village at about 57°39' North latitude and 130°14' West longitude on NTS map sheet 104G/9E and 9W (Figure 2).

Access is via helicopter from Canadian Helicopter's base station at Tatogga Lake Lodge, a resort located 14 km south of Iskut Village and 15 km northeast of the property. Both the lodge and Iskut Village are situated on the Stewart-Cassiar Highway. The proposed B.C. Rail extension to Dease



PROPERTY LOCATION MAP

Figure 1

KEEWATIN ENGINEERING INC.

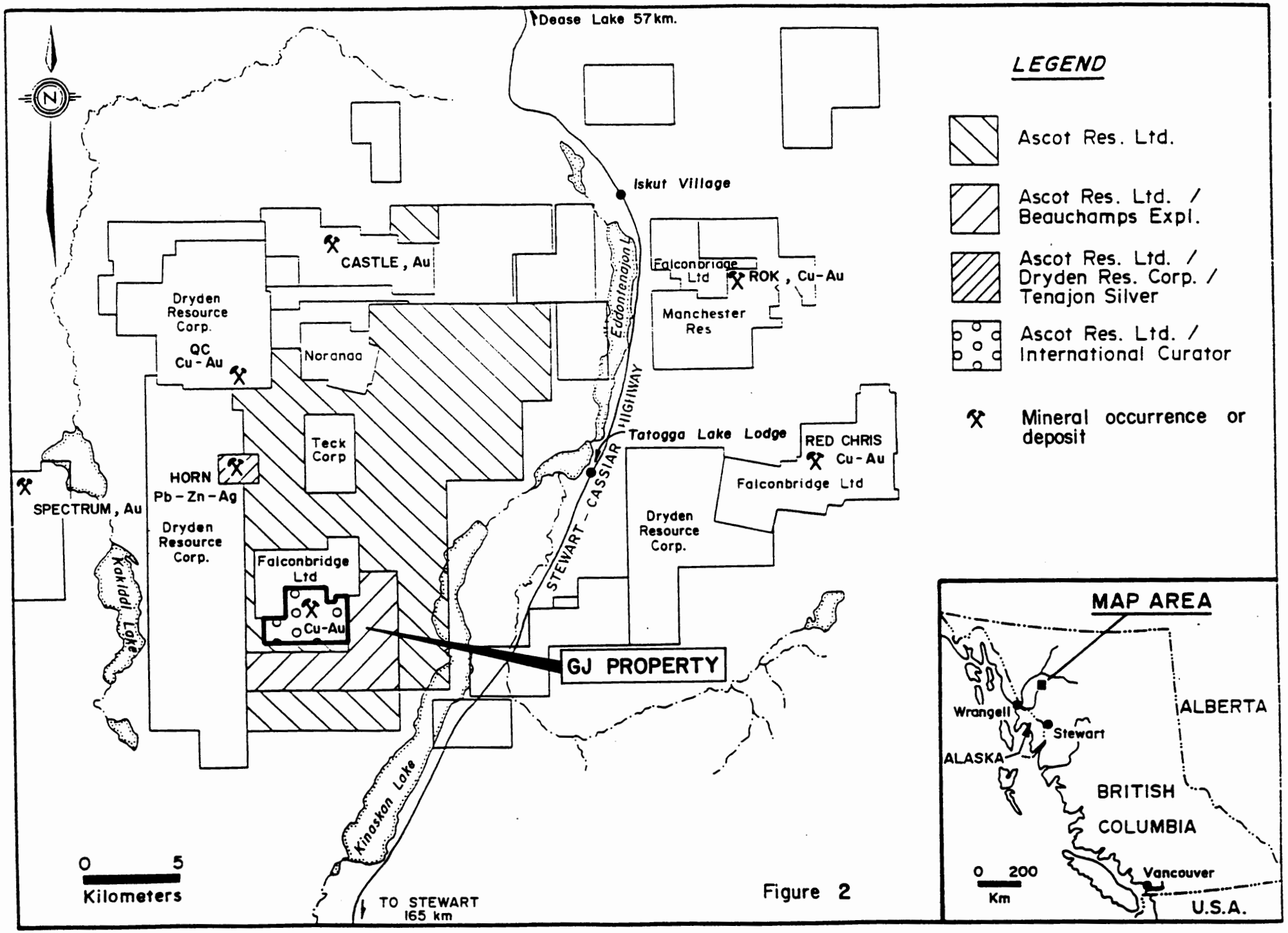

Dease Lake 57km.
Iskut Village
CASTLE, Au
Dryden Resource Corp.
QC Cu-Au
Noranda
Eddontenajon
Falconbridge Ltd
ROK, Cu-Au
Manchester Res
Teck Corp
HORN Pb-Zn-Ag
SPECTRUM, Au
Dryden Resource Corp.
Falconbridge Ltd
Cu-Au
Kakiddi Lake
STEWART-CASSIAR HIGHWAY
Tatogga Lake Lodge
RED CHRIS Cu-Au
Falconbridge Ltd
Dryden Resource Corp.
GJ PROPERTY
Kinaskan Lake
0 5
Kilometers
TO STEWART 165 km
LEGEND
Ascot Res. Ltd.
Ascot Res. Ltd. / Beauchamps Expl.
Ascot Res. Ltd. / Dryden Res. Corp. / Tenajon Silver
Ascot Res. Ltd. / International Curator
Mineral occurrence or deposit
MAP AREA
Wrangell
Stewart
ALASKA
ALBERTA
BRITISH COLUMBIA
0 200
Km
Vancouver
U.S.A.

Figure 2

Lake is about 32 km east of Kinaskan Lake. Scheduled air service is available from Smithers to Iskut during the summer months.

Topography and Vegetation

The property is situated on the southern end of the Klastline Plateau, an area characterized by gently rolling hills with elevations varying between 5000 ft (1524 metres) and 5500 ft (1676 metres) above sea level. The Groat Creek Valley cuts deeply through the centre of the property, producing steep south facing slopes and more subdued north facing slopes. Elevations on the property vary from 5400 feet (1646 metres) above sea level at the northeast corner of the GJ claim to 3800 ft (1158 metres) above sea level along Groat Creek at the extreme east end of the Spike 2 claim (Map 1).

Atop the Plateau, vegetation consists of alpine grasses and flowers. Drainage is poor and much of the area, particularly the northern half of the GJ claim is boggy. Sub-alpine scrub meanders through the property between the 4300 and 4500 foot levels. Lower elevations are covered by spruce and fir with alder common along creek valleys.

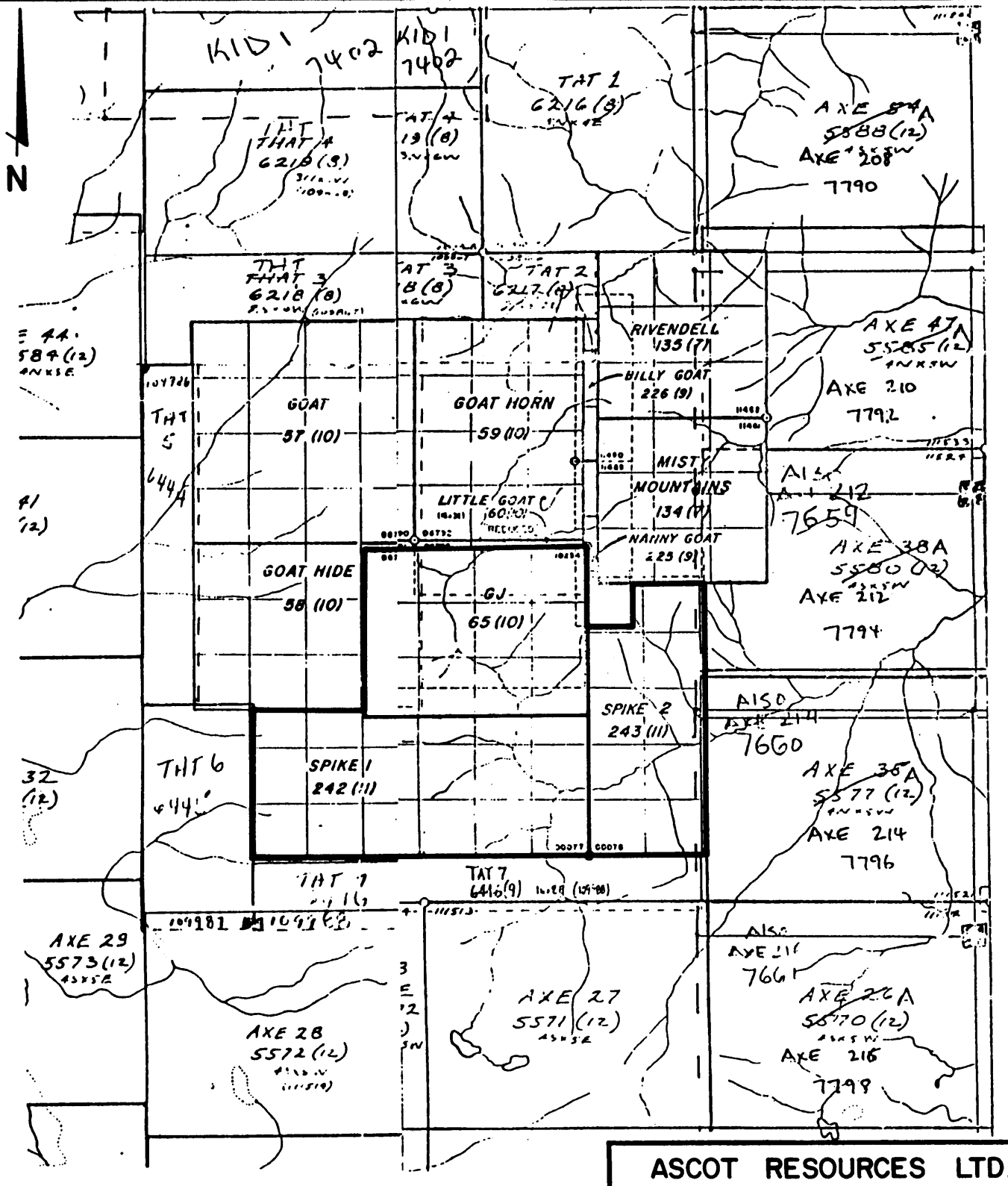
Precipitation is moderate averaging 100 cm per year. Thick accumulations of snow are common during winter. It is seldom possible to begin surface geological work before July and difficult to continue past September.

Property and Ownership

The GJ property is located in the Liard Mining Division of British Columbia (Figure 3) and consists of the following claims:

Claim Name	Record No.	No. of Units	Date Recorded	Due Date
GJ	65	12	October 29, 1975	October 29, 2000
Spike 1	242	18	November 25, 1976	November 25, 2000
Spike 2	243	10	November 25, 1976	November 25, 2000

The claims are owned 100% by International Curator Resources Ltd. with offices at Suite 380, 789 West Pender Street, Vancouver, B.C. V6C 1H2.



ASCOT RESOURCES LTD.

GJ PROPERTY

CLAIM MAP

DATE: Jan., 1991	NTS: 104 G/9 e,w
PROJECT:	PROJ. GEOL.:
SCALE: 1 : 50000	
Keewatin Engineering Inc.	MAP No. 3

Previous Work

The area covered by the GJ and Spike claims was originally examined by prospectors including Mr. Groat after whom the creek containing the discovery showing is named. The first recorded work by a company was 1964, when Conwest Exploration Co. Ltd. carried out a regional evaluation of the Klastline Plateau. That program led to staking of the 196 claim GJ group across the southern portion of the Klastline Plateau. Preliminary mapping/prospecting and stream silt and soil geochemical sampling followed. This identified the GJ prospect as the principal target within the claim group.

In 1965 Conwest carried out limited ground magnetometer and IP surveys over two perpendicular lines centred on the GJ showing in Groat Creek. Subsequent blasting and sampling of three trenches and analysis of 150 rock chip samples yielded values averaging between 0.5% and 0.6% copper. Following this early work all but 4 claims covering the showing were allowed to lapse.

Amoco Canada Petroleum Co. Ltd. optioned the 4 claims and staked a further 180 claims around the showing in 1970. A grid of eight, 4,000 ft. lines was established and geologically mapped and covered with a ground magnetometer survey. Soil geochemical and IP surveys were conducted over part of the grid. A drill-access road was constructed from the west shore of Kinaskan Lake and five B.Q. diamond drill holes totalling 1,520 metres were drilled (one vertical and one each to the north, south, east and west) in Groat Creek over the showing. In 1971 Amoco carried out further mapping and drilled an additional 14 B.Q. holes totalling 2,465 metres. The option was subsequently dropped and Conwest allowed all the claims to lapse. In the fall of 1975, Mr. R. Dickinson staked the present GJ claim for Dimac Resource Corp. Within a month, Texasgulf Inc. (now Falconbridge Ltd.) staked the surrounding ground to the north, northeast and west.

In 1976, Great Plains Development Co. of Canada Ltd. optioned the ground and established a grid over the property. This was mapped at 1:4,800, soil sampled and covered with a ground magnetometer survey. Amoco's drill core was re-logged and the Sun claim was staked north of the Texasgulf property. The Spike 1 and 2 were staked south and east of the GJ claim.

The following year, Norcen Energy (formerly Great Plains Development) conducted an IP survey over the entire grid, systematic bedrock geochemical sampling over part of the grid and limited trenching. The property option was then dropped by Norcen.

In 1981, Canorex Minerals Ltd. optioned the ground form Dimac Resource Corp. and after drilling seven NQ holes totalling 1,779.4 metres, earned a 50% interest in the property. The Dimac interests were acquired by International Curator Resources Ltd. (formerly Canorex Minerals Ltd.) in the early 1980's from the Royal Bank after Dimac Resource Corp. declared bankruptcy.

The area remained relatively inactive until 1988 when the G.S.C. carried out a regional stream silt sampling program (National Geochemical Reconnaissance, 1988).

In 1989, Ascot Resources Ltd. optioned the GJ property from International Curator Resources Ltd. Systematic exploration of the property including compilation of all existing data, detailed stream silt sampling, overburden drilling, contour soil sampling, ground magnetics and I.P. geophysical surveys and diamond drilling have been carried out since then.

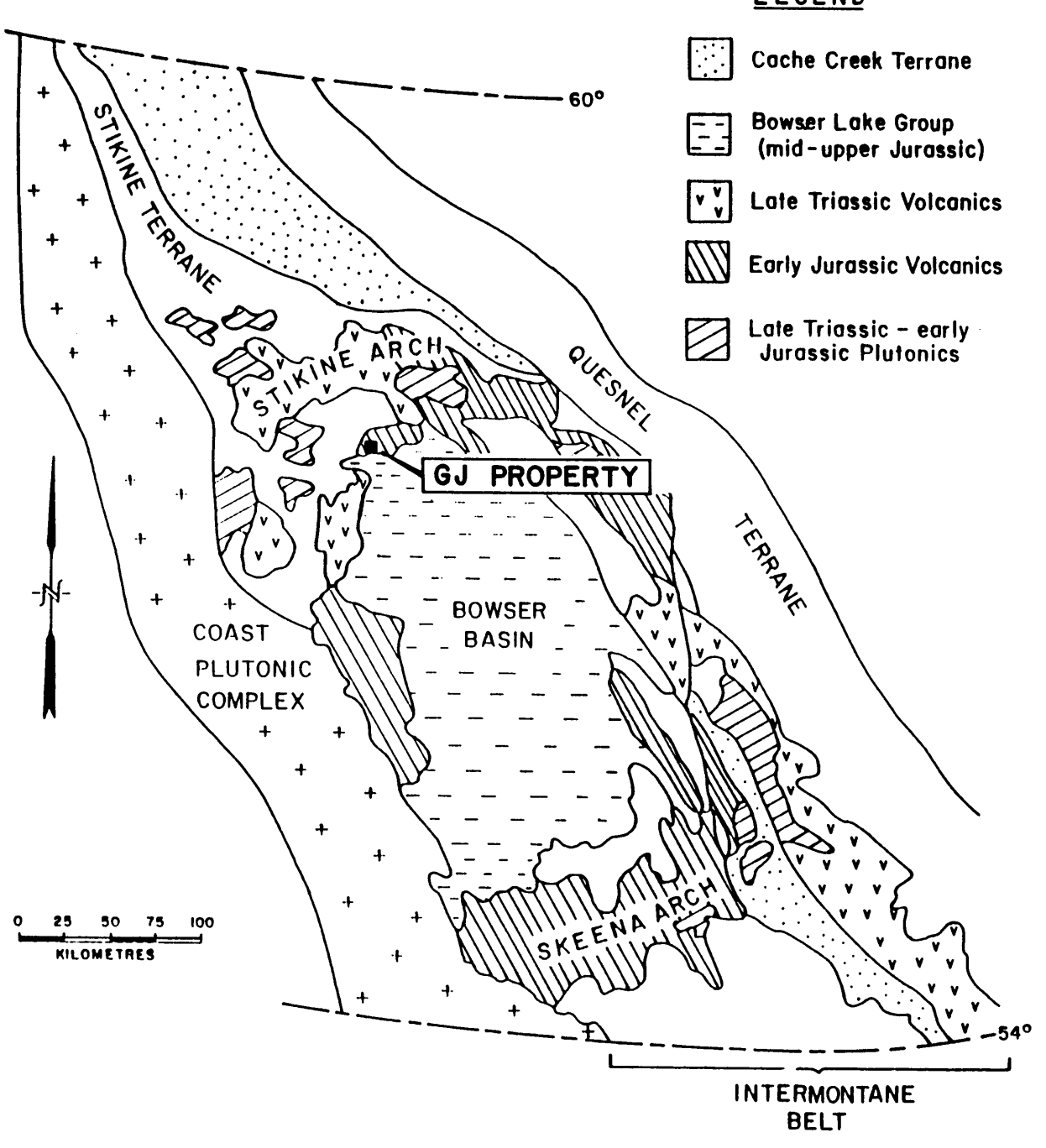
GEOLOGY

Regional Geology

The GJ property is located on the southwest portion of the Klastline Plateau within the Intermontane-Tectono-Stratigraphic Belt of the Canadian Cordillera (Figure 4). The claims lie within the northeast half of the Stikine Arch near the contact with the unmetamorphosed sediments of the Bowser Basin.

The northern half of the Klastline Plateau has been mapped (Figure 5) as Upper Triassic augite-andesite flows, pyroclastics and derived volcaniclastics ranging from conglomerates down to siltstones (Souther, 1971). Minor limestone and chert occur within the stratigraphy. Related coeval intrusives cut all rock types. A regional fault trending northeasterly passes through the centre of Kakiddi Lake and intersects the Iskut Valley fault zone at the north end of Kinaskan Lake. To the south of the fault, Souther (1971) mapped the rocks as a downthrown sequence of Middle Jurassic basalt pillow lavas, fragmentals and proximal volcaniclastic rocks intruded by coeval plutons. Subsequent K-Ar and Rb-Sr age dating (Schmitt, 1977) has yielded intrusive ages of 185 to 195 million years for the intrusive rocks south of the fault, suggesting the volcanic rocks are similar in age to the Upper Triassic stratigraphy north of the fault.

South of the volcanic units are chert pebble conglomerate, grit, greywacke and siltstone of the Middle and Upper Jurassic Bowser Group.

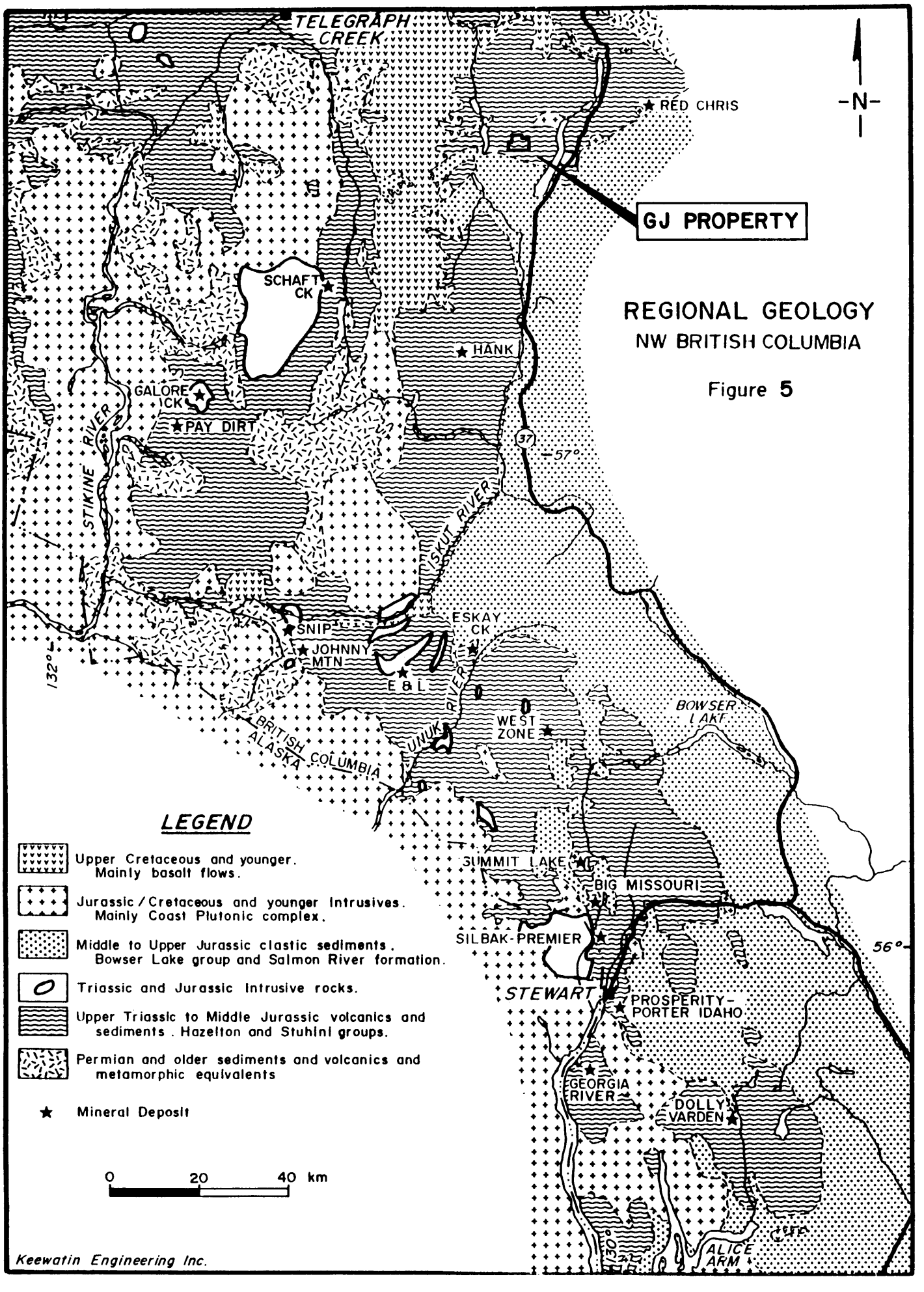


REGIONAL GEOLOGY
BOWSER BASIN
NW BRITISH COLUMBIA

(Outline of terrane boundaries and major rock groups of the Jurassic and Triassic – modified from Thomson, 1985).

Figure 4

KEEWATIN ENGINEERING INC.


TELEGRAPH CREEK
RED CHRIS
N
GJ PROPERTY
REGIONAL GEOLOGY
NW BRITISH COLUMBIA
Figure 5
SCHAFT CK
HANK
GALORE CK
PAY DIRT
STIKINE RIVER
37
57°
TSKUT RIVER
SNIP
JOHNNY MTN
ESKAY CK
E & L
WEST ZONE
BOWSER LAKE
132°
BRITISH COLUMBIA
ALASKA
JUNUK RIVER
LEGEND
Upper Cretaceous and younger. Mainly basalt flows.
Jurassic / Cretaceous and younger intrusives. Mainly Coast Plutonic complex.
Middle to Upper Jurassic clastic sediments. Bowser Lake group and Salmon River formation.
Triassic and Jurassic intrusive rocks.
Upper Triassic to Middle Jurassic volcanics and sediments. Hazelton and Stuhini groups.
Permian and older sediments and volcanics and metamorphic equivalents
Mineral Deposit
0 20 40 km
SUMMIT LAKE
BIG MISSOURI
SILBAK-PREMIER
56°
STEWART
PROSPERITY-PORTER IDAHO
GEORGIA RIVER
DOLLY VARDEN
130°
ALICE ARM
Keewatin Engineering Inc.

Intruding Upper Triassic volcanics are massive and flow banded rhyolite, orbicular rhyolite and massive felsite of Upper Cretaceous to Lower Tertiary age. Capping the southern portion of the Plateau are Upper Tertiary basalt and olivine basalt flows, often exhibiting excellent columnar jointing.

Property Geology

Owing to the extensive overburden cover on the property, geological mapping is largely restricted to traverses along creeks and examination of rock chips from the Wacker drilling, bedrock sampling program. Outcrops, drill holes and geological interpretation are plotted on Plate 1 and Wacker Drill Hole sample descriptions are given in Appendix B.

Lithology

The northern half of the GJ property is underlain by massive to well bedded to laminated black and white cherts, light green to grey cherty siltstones, quartzite and one outcrop of orange weathering dolomite. Minor greywacke beds are evident in portions of less altered cherty siltstone. Upper Triassic hornblende diorite, biotite $\pm$ hornblende diorite, quartz diorite and porphyritic monzodiorite intrude the siliceous sediments in a very irregular pattern suggesting the sediments are a thin roof pendant atop a large intrusive mass. Quartzites and some of the cherty siltstones are likely contact metamorphically altered phases of chert and siltstone and not primary lithologies. Latite and andesite dykes and sills are likely later, finer-grained phases of the diorite and monzodiorite intrusives.

Wrapping around the siliceous sediments to the southeast, south and southwest are well bedded siltstones, greywackes and minor interbedded black and white chert and one outcrop of white limestone. These less siliceous, less altered rocks have also been identified over portions of the plateau north of the property. Conforming to and overlying the siltstones and greywackes to the southeast, south and west are maroon to grey-green andesite and possibly basalt flows. The contact between the sedimentary rocks and volcanic flows is marked locally by polymictic andesite rich conglomerate and coarse wackes units. Two lenses of lapilli-tuff and tuff breccia have been mapped within the clastic unit as well.

This overlying sequence of Triassic volcanic stratigraphy which occurs mostly to the south and west of Groat Creek contains a few plugs of diorite to porphyritic monzodiorite but the amount of

intrusive rocks present and the extent of alteration is significantly less than that seen in the northern portion of the property.

Unconformably overlying the Triassic andesite to basalt flows on the far west side of the property are Upper Tertiary and Pleistocene basalt and olivine basalt flows.

Structure

Bedding measurements taken over the GJ property suggest stratigraphy has been uplifted and moderately folded into a broad, anticlinal fold, open to the north and plunging at 55° to 75° to the southwest.

A fault, possibly a "scissor fault" is thought to trend north-south through the upper reaches of Groat Creek. Uplift along the fault is believed partly responsible for exposing cherts, cherty siltstones and siltstones, rock units which are thought to be the oldest in this portion of the Klastline Plateau.

Alteration

As is typical with most alkalic porphyry copper-gold prospects, alteration is very erratic in intensity and irregular in distribution. Propylitic alteration is widespread and covers much of the property. It consists of fracture and vein controlled chlorite, epidote and calcite. Near the contact of the diorite to monzodiorite stocks, irregular, potassic alteration consisting of vein and fracture controlled K-feldspar is common.

In the most intensely altered areas such as the main target along Groat Creek, potassic alteration is substantially more intense with irregular zones being pervasively flooded by secondary K-feldspar. Typically these areas contain significant quartz veining along with appreciable pyrite, magnetite, chalcopyrite and weak specular hematite (<1%). Sedimentary units are commonly silicified.

Argillic alteration, identified by varying degrees of clay replacement of plagioclase feldspars and leaching or pyrite replacement of mafic minerals occurs between the propylitic and potassic zones.

The discontinuous nature of the alteration zones observed on the GJ property is likely a function of the geometrically complex intrusive contacts, pre-alteration faulting, and post alteration normal faults. These irregular alteration patterns are features common to most alkalic, porphyry copper-gold systems.

Mineralization

The most significant mineralization on the property occurs along Groat Creek where strongly developed quartz veining containing significant chalcopyrite with associated gold values occurs in pervasive, K-feldspar altered diorite to monzodiorite and cherty siltstone. Drilling beneath this target in 1970 yielded encouraging results in all five holes including:

Drill Hole No.	Interval Length (m)	Cu %	Au oz/ton	Ag oz/ton
70-1	119.5	0.25	0.008	0.10
70-2	162.2	0.36	0.021	0.24
70-3	114.6	0.25	0.018	0.10
70-4	119.5	0.17	0.011	0.08
70-5	211.8	0.27	0.005	0.10

Subsequent diamond drilling has tested 800 metres to the east, and 300 metres to the west of the 1970 holes. Erratic mineralized intervals were encountered, with the two best holes, 81-5 and 81-7 summarized below:

Drill Hole No.	Interval Length (m)	Cu %	Au oz/ton	Ag oz/ton
81-5	103.6	0.32	0.018	0.34
81-7	155.4	0.25	0.025	0.20

An interpretation of the existing drill data suggests that mineralization is related to an east-west structure, likely associated with emplacement of diorite to monzodiorite dykes or possible sills. The mineralized zone varies from 20 to 140 metres wide (typically 100 metres?) and dips at 70° to 80° north. Mineralization is known to extend from the Plateau top (approximately 5,200 feet ASL) to 4,150 feet ASL in hole 70-2, a vertical distance 1,050 feet (320 metres).

In addition to the main mineralized zone discussed above stream silt and rock geochemical sampling located other mineralized targets on the property. These include:

a) Extension of the Groat Creek mineralization 200-300 metres south of the 1970 drill holes. Rock samples in this zone have returned up to 1,300 ppm Cu and 736 ppb Au.

b) Extension of the mineralized system to the northwest and northeast from drill holes 70-1 to 70-5. Rock sampling from both locations returned anomalous values including 660 ppm Cu and 464 ppb Au.

c) A potential gold zone centred on Groat Creek 800 to 1,100 metres southeast of the 1970 drill holes. Highly elevated gold values in silts combined with two rock samples of pyrite filled fractures that yielded 2,660 and 592 ppb gold provides the encouragement.

Each of these targets was tested without success in 1990. The results are discussed under rock geochemistry results and diamond drilling elsewhere in this report.

GEOCHEMISTRY

Sampling

During the 1990 field season, 274 soil, 3 silts and 12 rock samples were collected from the property. Soils were taken at 50 metre intervals along flagged contour lines with a mattock and collected in brown, kraft sample bags. Wherever possible, the samples were taken from the "B" soil horizon.

Rock samples include grabs and chips from prospective looking bedrock within the claims.

Analysis

All samples were sent to Min-En Laboratories Ltd. in Smithers, B.C. where they were processed and analyzed for gold. Pulps were forwarded to Min-En Laboratories in Vancouver, B.C. for 7 element ICP plug HG analysis. Any samples yielding ≥1,000 ppb Au were then re-analyzed for gold by the one ton, fire assay procedure.

Analytical procedures used by Min-En are outlined in Appendix C. Soil geochemistry results are listed in Appendix IV and sample descriptions are in Appendix V. Sample locations and results are plotted on Maps 1 to 4. Rock geochemistry results are listed in Appendix VI and sample locations are shown on Map 5. Descriptions are in Appendix VII. Silt sample results are plotted on Maps 1 to 4. Results are listed in Appendix VIII and sample descriptions are in Appendix IX.

Results

1) **Soil Sampling:** Contour soil sampling was carried out over both banks of Groat Creek as a means of following up on highly anomalous stream silt samples that were obtained over the entire length of the creek during 1989 exploration work.

The soil sampling located a substantial copper anomaly (>200 ppm) with significantly elevated gold values (to 1,225 ppb) immediately north of the main GJ target. The anomaly covers the area from lines 4E to 22E between 1100N and 200S. This anomaly was tested by drill holes 90-1, 90-2 and 90-11 and 90-12 with discouraging results.

A second copper anomaly with elevated gold values to 495 ppb was identified between lines 14E and 26E covering the area of 12S to 18S. This target lies immediately south of the zone tested by hole 90-3. It has not been drill tested.

Aside from one sample "spot" highs, no other anomalies were identified.

A summary of soil geochemical results follows:

Copper:	Range 11 - 1,394 ppm	Gold:	Range 1 - 1,225 ppb
Lead:	Range 8 - 223 ppm	Arsenic:	Range 1 - 1,300 ppm
Zinc:	Range 13 - 1,646 ppm	Mercury:	Range 5 - 1,100 ppb
Silver:	Range 0.1 - 4.5 ppm	Antimony:	Range 1 - 29 ppm
		Molybdenum:	Range 1 - 137 ppm

ii) **Rock Sampling:** Rock samples were taken of pyritic material around drill holes 90-1 and 90-3 and over the area tested by holes 90-11 and 90-12 where a significant copper-gold soil anomaly was identified. The samples taken near holes 90-1 to 90-3 returned low values with the highest from sample AA-4 which returned 372 ppm Cu and 191 ppb Au.

Samples taken within the Cu-Au soil anomaly near holes 90-11 and 90-12 returned results as high as 655 ppm Cu and 96 ppb Au.

Sample AA-05 was a resample of pyritic veins and fracture fillings in sediments along Groat Creek where 1989 sampling yielded a value of 2,660 ppb Au. The follow-up sampling returned a value of 43 ppb Au.

A single rock sample (DPR-01) taken from pyritic rocks south of the property yielded an anomalous Hg value of 3,000 ppb.

iii) **Silt Sampling:** Three silts were taken from small drainages at the southeast corner of the property where a prominent iron stained bluff overlooks Groat Creek. Results for all elements were low.

GEOPHYSICS

A total of 20.7 line kilometres of induced polarization survey and 19.3 line kilometres of magnetometer survey were carried out by Scott Geophysics over the northern half of the property. The survey was conducted using a pole dipole electrode array with "a" spacings of 25 and 75 metres and "n" separations of 1 and 2. Coverage was on flagged grid lines 120 metres apart that were established concurrently with the I.P. survey.

The ground magnetometer survey measured total magnetic field with readings taken at 25 metre intervals.

The I.P survey was carried out to establish limits on the sulphide system over the plateau area where outcrop exposure is minimal, as well as to verify and extend chargeability highs indicated from a 1977 survey. The survey was also designed to test the property to a greater depth than the 1977 program.

The induced polarization survey results show large areas of the GJ property exhibit chargeability, resistivity and magnetic patterns that are typical of porphyry systems. Subsequent diamond drill testing demonstrated "typical", porphyry style sulphide mineralization is associated with moderate resistivity and moderate to strong total magnetic field. Those areas with high chargeability

but weak or low resistivity and low magnetic field were underlain by graphitic and carbonaceous sediments.

The location of the grid lines surveyed and the chargeability anomalies are plotted on Map 5. A contour plan of chargeability results is shown on Map 6 and contoured resistivity results are plotted on Map 7. Chargeability and resistivity pseudosections are portrayed on Maps 8 to 11. A contour plan of the ground magnetics survey is plotted on Map 12. A copy of the Geophysical Report provided by Scott Geophysics is included as Appendix X.

DIAMOND DRILLING

Nine diamond drill holes totalling 1,656 metres were drilled across five separate sections over an east-west distance of 2,300 metres. The helicopter supported drill program was contracted out to Falcon Drilling of Prince George, B.C., and was completed between August 28 and October 12, 1990.

Core size is BGM. All sulphide bearing or favourably altered core was split in 3.0 metre intervals and geochemically analyzed. The better looking intersections were sampled at 1.50 metre intervals. All samples yielding 1,000 ppb Au or better were resubmitted for 1 ton fire assays. All the core is stored on the property, immediately east of the main Groat Creek target on top of the Plateau. Core from Canorex's 1981 drill program is stored in the same location.

The location of all holes on the GJ property to date are plotted on Maps 1 to 5. The position of the 1970, 1971 and 1981 holes with the exception of holes 71-9, 71-13 and 71-15 were surveyed in by Frank Ferguson of Keewatin Engineering Inc. Hole locations were tied into the GJ, legal corner post. Due to a lack of hole markers or hole casing, hole positions are only accurate to within 2.0 metres. Elevations are relative and can be considered accurate to within 1.5 metres.

Holes 71-9, 71-13 and 71-15 were located from old property maps. 1990 drill holes (90-G01 to 90-G07, 90-G11 to 90-G12) were located by topochain, compass and altimeter.

Cross sections of all GJ holes complete with geology and geochemical results are plotted on Maps 13 to 17. Drill logs are included in Appendix XI and geochemical and assay results are in Appendix XII.

Results

Four of the drill holes intersected narrow; weakly mineralized intervals yielding low copper-gold values. None of the holes intersected porphyry copper-gold mineralization comparable to previous drill results. The following table summarizes the significant results from the 1990 drilling:

Hole No.	Location	Azimuth	Dip	Length	Significant Results		
90-01	14E/9.00S	360°	-45°	178.9 m	12.0 - 21.0 81.0 - 108.0	9.0 m 27.0 m	0.12% Cu 0.013 opt gold 0.18% Cu 0.012 opt gold
90-2	14E/4.00S	360°	-45°	181.0 m	54.0 - 57.0 76.5 - 79.5	3.0 m 3.0 m	0.15% Cu 0.010 opt gold 0.40% Cu 0.052 opt gold
90-4	34+20E/13S	360°	-45°	196.0 m	186.0 - 187.5	1.5 m	0.40% Cu 0.175 opt gold
90-5	34+80E/17S	360°	-45°	182.6 m	51.0 - 57.0	6.0 m	0.025% Cu 0.051 opt gold

The objectives and results of the nine drill holes are summarized by cross section as follows:

Section 16E: Drill holes 90-1, 90-2 and 90-3. The holes were drilled to test the continuity of mineralization between holes 70-2, 70-3 and 71-15 to the west and 81-7 to the east. The target area was defined by an I.P., chargeability high which was partially (northern part) within a coincident copper-gold soil anomaly.

The holes intersected strongly altered, pyritized sediments and diorite intrusives. Encouraging, albeit weak copper-gold values were encountered in hole 90-01. The best individual values obtained from drill core samples include:

90-1: 3,957 ppm Cu (3.0 metres); 958 ppb Au (3.0 metres)
90-2: 4,764 ppm Cu (1.5 metres); 2,300 ppb Au (1.5 metres)
90-3: 894 ppm Cu (3.0 metres); 585 ppb Au (3.0 metres)

Section 34E: Drill holes 90-4 and 90-5. The holes were drilled to test a moderate I.P. chargeability high and projected coincident copper-gold bedrock anomaly. A rock grab taken in the target area yielded 450 ppm Cu. Visible chalcopyrite had been noted on fractures in strongly oxidized, limonitic rocks on surface.

Carbonaceous sediments interbedded with weak to moderately altered and pyritized sediments and minor diorite to monzodiorite dykes were intersected. Chalcopyrite veining was noted in hole 90-4 between 183.4 and 188.10 metres. Arsenopyrite was noted in hole 90-5 between 50 and 59 metres. Best values obtained include:

90-4: 3,977 ppm Cu and 6,000 ppb Au (1.5 metres)
90-5: 731 ppm Cu and 3,500 ppb Au

Section 1600E (1990 Recce I.P. Grid): Drill hole 90-6. The hole was drilled to test a strong I.P. chargeability high and resistivity low 2,100 metres east-southeast of the Groat Creek mineralization. The magnetic background is low.

Carbonaceous sediments and unaltered to weakly altered and mineralized siltstones and greywackes were encountered. The best copper value is 813 ppm. The highest gold is 818 ppb.

Section 1120E (1990 Recce I.P. Grid): Drill hole 90-7. The hole was drilled to test a strong I.P. chargeability high and resistivity low 1,700 metres southeast of the Groat Creek mineralization. The magnetic background is low.

Carbonaceous sediments cut by diorite dykes were intersected. Alteration and pyritization is patchy and weak to moderate. The best copper is 155 ppm. The highest gold is 40 ppb.

Section 4E: Drill holes 90-11 and 90-12. The holes drill tested a strong, coincident copper-gold soil anomaly and magnetic high from the 1976 geophysical survey. The area is

midway between the main Groat Creek mineralization (southeast) and highly anomalous copper-gold bedrock values (wacker drilling) and soil geochemical results (old survey) in the extreme northwest corner of the property.

Altered and pyritized sediments and diorite dykes and sills occur in both holes. No significant quartz veining or mineralization was encountered in either hole. The highest copper and gold values include:

90-11: 728 ppm Cu; 510 ppb Au
90-12: 279 ppm Cu; 537 ppb Au

CONCLUSIONS

Diamond drill testing of the most promising targets on the property including the area between drill holes 70-2 (0.36% Cu, 0.021 oz/ton Au over 162.2 metres) and 81-7 (0.25% Cu, 0.025 oz/ton Au over 155.4 metres) and between 70-2 and the extreme northwest corner of the property failed to intersect copper-gold mineralization comparable to that obtained in the earlier drilling. These results combined with alteration patterns observed in bedrock and drill core strongly suggest the GJ porphyry system is a relatively "tight", structurally controlled mineralized zone consisting of discontinuous areas of higher grade mineralization. Copper and gold values appear intimately associated with clay altered, potassium feldspar veined or flooded diorite to latite dykes and sills. The irregular nature of the mineralization seems directly related to the irregular distribution of intrusive bodies and pre- and post-mineralization fracture (fault) zones.

Induced polarization, chargeability high anomalies located southeastward from the Groat Creek mineralization are related to carbonaceous sediments not porphyry style mineralization.

Respectfully submitted,

KEEWATIN ENGINEERING INC.

GEOLOGICAL ASSOCIATION OF CANADA · FELLOW · D. T. MEHNER

David T. Mehner, M.Sc., FGAC

REFERENCES

Forsythe, J.R., Peatfield, G.R., Gasteiger, W.A. and Donnelly, D.A. 1977. Report on Geochemical and Geophysical Surveys, Diamond Drilling and Supporting Work on the Groat Creek Claims, Liard Mining Division. B.C. Dept. of Mines and Petroleum Resources, Assessment Report 6541.

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Mehner, D.T. 1990. Assessment Report on Overburden Drilling, Geological Mapping, Prospecting and Stream Silt Sampling on the GJ Property, Liard Mining Division, B.C.

National Geochemical Reconnaissance, 1:250,000 Map Series, 1988. Geological Survey of Canada, Open File.

Nichols, R.F. 1989. Geological Report on the GJ Property, Liard Mining Division. Unpublished Company Report for Ascot Resources Ltd.

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Souther, J.G. 1971. Telegraph Creek Map-area, British Columbia. Geological Survey of Canada, Paper 71-44.

Winter, C.Q., Good, D.R. and McInnes, M.D. 1976. Year-end Report on GJ Claim, British Columbia, NTS 104G/9E. B.C. Department of Mines and Petroleum Resources, Assessment Report #6095.

APPENDIX I

Statement of Expenditures

STATEMENT OF EXPENDITURES

GJ, Spike 1 and 2 Mineral Claims

Salaries

R. Nichols, Project Supervisor	5.0 days @ $425/day	$ 2,125.00	
D. Mehner, Senior Geologist	25.0 days @ $400/day	10,000.00	
M. Bobyn, Project Geologist	2.5 days @ $325/day	812.50	
J. Miller, Geologist	32.5 days @ $275/day	8,937.50	
B. Ryziuk, Geological Technician	5.0 days @ $275/day	1,375.00	
F. Ferguson, Surveyor	3.0 days @ $325/day	975.00	
D. Perrett, Prospector	1.5 days @ $275/day	412.50	
M. Skeoch, Prospector	5.0 days @ $240/day	1,200.00	
B. McIntyre, Prospector	1.0 days @ $300/day	300.00	
E. Birkeland, Sampler	1.0 days @ $300/day	300.00	
G. Nagy, Sampler	2.5 days @ $250/day	625.00	
C. Kauss, Sampler	18.0 days @ $225/day	4,050.00	
C. Anderson, Sampler	2.0 days @ $225/day	450.00	
C. Creelman, Sampler	1.0 days @ $225/day	225.00	
A. Hark, Sampler	6.0 days @ $175/day	1,050.00	
K. Louis, Sampler	3.0 days @ $175/day	525.00	
J. Tashoots, Sampler	37.5 days @ $175/day	6,562.50	
T. Shepard, Sampler	3.5 days @ $175/day	612.50	
N. Carlick, Sampler	1.0 days @ $175/day	175.00	
V. Jordan, Cook/First Aid	17.0 days @ $250/day	4,250.00	
C. Brodhagen, Cook/First Aid	1.0 days @ $250/day	250.00	
			$45,212.50

Accommodation and Food — 310 man days @ $60/man day — 18,600.00
(includes Keewatin personnel, Scott Geophysics crew, pilot and Falcon Drilling personnel)

Equipment Use — 169 man days @ $15/man day — 2,535.00

Transportation

Helicopter			
Hughes 500	63.2 hrs @ $ 670/hour	$42,344.00	
Bell 206	3.1 hrs @ $1800/hour	5,580.00	
Truck & Motorbikes			
2 - 4 x 4 motorbikes	45 days each @ $35/day	3,150.00	
1 - motorbike	1 mon. @ $500/month	500.00	
1 - 4 x 4 truck (with fuel)		1,265.00	
Fixed Wing/Airline		1,089.75	
			53,928.75*

Geophysics - Contracted I.P. and Ground Magnetics Survey — 13,154.00*

Diamond Drilling - Contracted Diamond Drilling
5,434 feet (includes drilling, consumables, mobilization) — 125,517.00*

Geochemistry

Soils (includes sample prep, Au fire geochem, Hg analysis and 7 element ICP)	274 samples @ $10.00 ea.	$ 2,740.00	
Silts (includes analysis as for silts)	3 samples @ $10.00 ea.	30.00	
Rocks (includes sample prep and analysis as for soils)	12 samples @ $12.50 ea.	150.00	
Drill Core (includes analysis as for rocks)	506 samples @ $12.50 ea.	6,325.00	
Gold Fire Assays (1 Ton)	8 samples @ $ 9.75 ea.	78.00	
			9,323.00*

Camp Construction and Maintenance - includes radios, heating fuel, generator, chain saws, etc.) 4,749.52*

Field Supplies - pickets, topo thread, flagging, etc. 1,095.75*

Expediting - contract charges 1,660.30*

Freight - samples and equipment 1,003.03*

Miscellaneous

Core Splitter	30 days @ $10.00/day	$ 300.00	
Fax machine, photocopier (pro-rated)		120.00	
Airphotos		125.00	
			545.00*

Office

Pre-Field - map preparation, drill data, compilation, drafting		$1,900.00	
Post-Field - report preparation			
D. Mehner	5 days @ $375/day	1,875.00	
Drafting, typing, blueprints, binding		2,605.00	
			6,380.00

Sub-Total: **283,703.85**

3rd Party Invoices - 10% charged by Keewatin Engineering - denoted by * 21,097.64

TOTAL EXPENDITURES: **$304,801.49**

APPENDIX II

Summary of Personnel

SUMMARY OF PERSONNEL

Name	Position	Sampler Code	Dates Worked
David Mehner	Senior Geologist	"AA"	July 29, 30 (½ day); Aug. 3, 14, 20, 23, 24, 26, 27, 29; Aug. 6, 7, 15, 16, 21, 22, 28 and 30 (all ½ days); Sept. 1, 4, 12, 13; Sept. 3, 9, 10, 17, 18, 21, 29 (all ½ days); Oct. 18, 21; Oct. 4, 9, 12, 13, 24 (all ½ days).
Marty Bobyn	Project Geologist	"F"	July 21 (½ day); Aug. 14, 16 (½ day); Sept. 10 (½ day).
Jason Miller	Geologist	"O"	June 20, 21; July 2; Aug. 14, 20, 25, 29, 30; Aug. 16 and 31 (½ days); Sept. 1, 2, 6-11, 12 (½ day), 16-22; Oct. 8 (½ day), 9-14, 15 (½ day).
Bob Ryziuk	Geological Technician	"BR"	Sept. 20 and 24 (½ days); 30; Oct. 2, 8, 12, 14 (all ½ days), 15.
Frank Ferguson	Surveyor		June 22; July 29, 30.
Dan Perrett	Prospector	"DP"	August 18, 31 (½ day).
Mike Skeoch	Prospector	"U"	June 22, 23; July 29, 16 (½ day); August 18, 31 (½ day)
Brian McIntyre	Prospector		June 23.
Eric Birkeland	Sampler		October 5.
Grant Nagy	Sampler	"NN"	June 21; July 16 (½ day); Sept. 13.
Kurt Kauss	Sampler	"Y"	June 22; July 24-29, 31 (½ day); August 18, 25, 27, 28, 21 (½ day); September 1-6.
Colin Anderson	Sampler		June 23; October 5.
Steve Creelman	Sampler		October 12.
Alex Hark	Sampler	"AH"	Sept. 14-18; August 18.
Keith Louis	Sampler	"CL"	July 22, 23; August 18.

Name	Position	Sampler Code	Dates Worked
James Tashoots	Sampler	"JT"	July 22-29; 31 (½ day); Aug. 18, 28-31; Sept. 1, 7-13, 15-22; October 6, 9-15.
Trevor Shepard	Sampler	"V"	July 10, 16 (½ days); Aug. 18, 19, 21 (½ day).
Newton Carlick	Sampler		August 18.
Verna Jordan	Cook/First Aid		June 21; July 23-24, 26-29; Aug. 20, 30, 31; September 1, 4, 9, 11; October 10-12.
Cindy Brodhagen	Cook/First Aid		June 29.

APPENDIX III

Analytical Procedures Used by Min-En Laboratories Ltd.

ANALYTICAL PROCEDURES USED BY MIN-EN LABORATORIES

Hg Analysis

Samples are processed by Min-En Laboratories at 705 West 15th Street, North Vancouver, B.C., employing the following procedures.

After drying the samples @ 30°C, soil, and stream sediment samples are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. The rock samples are crushed by a jaw crusher and pulverized by ring pulverizer.

A 0.50 gram subsample is digested for two hours in an aqua regia mixture. After cooling samples are diluted to standard volume.

Mercury is analyzed by combining with a reducing solution and introducing it into a flameless atomic absorption spectrometer. A three point calibration is used and suitable dilutions made if necessary.

ICP Analysis for Cu, Pb, Zn, Ag, As, Sb, Mo

After drying the samples at 95°C, soil and stream sediment samples are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. The rock samples are crushed by a jaw crusher and pulverized on a ring mill pulverizer.

0.50 gram of the sample is digested for two hours with an aqua regia mixture. After cooling samples are diluted to standard volume.

The solutions are analyzed by computer operated Jarrall Ash 9000 ICAP or Jobin Yvon 70 Type II Inductively Coupled Plasma Spectrometers.

Au Fire Geochem

A suitable sample weight; 15.00 or 30.00 grams is fire assay pre-concentrated. The precious metal beads are taken into solution with aqua regia and made to volume.

For Au only, samples are aspirated on an atomic absorption spectrometer with a suitable set of standard solutions. If samples are for Au plus Pt or Pd, the sample solution is analyzed in an inductively coupled plasma spectrometer with reference to a suitable standard set.

Ag, Cu, Pb, Zn

Samples are dried @ 95°C and when dry are crushed on a jaw crusher. The -¼ inch output of the jaw crusher is put through a secondary roll crusher to reduce it to -1/8 inch. The whole sample is then riffled on a Jones Riffle down to a statistically representative 300 - 400 gram sub-sample (in accordance with Gy's statistical rules). This sub-sample is then pulverized in a ring pulverizer to 95% minus 120 mesh, rolled and bagged for analysis. The remaining reject from the Jones Riffle is bagged and stored.

A 2.000 gram sub-sample is weighed from the pulp bag for analysis. Each batch of 70 assays are digested using a HNO3-KCL04 mixture and when reaction subsides, HCL is added to assay before it is placed on a hotplate to digest. After digestion is complete the assays are cooled, diluted to volume and mixed.

The assays are analyzed on atomic absorption spectrometers using the appropriate standard sets. The nature standard digested along with this set must be within 3 standard deviations of its known or the whole set is re-assayed. If any of the assays are >1% they are re-assayed at a lower weight.

APPENDIX IV

Soil Geochemistry Results

COMP: KEEWATIN ENGINEERING
PROJ: GJ 153
ATTN: R.NICHOLS/M.BOBYN

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 0S-0113-SJ1+2
DATE: 90/07/10
* SOIL * (ACT:F31)

SAMPLE NUMBER	AU PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM	HG PPB
90Y 153S 001	1	.2	34	21	64	1	1	1	100
90Y 153S 002	2	.5	35	24	79	1	1	1	80
90Y 153S 003	1	.4	59	32	100	2	1	1	105
90Y 153S 004	1	.5	36	23	71	1	1	1	120
90Y 153S 005	4	.6	27	24	64	1	1	1	85
90Y 153S 006	2	.7	27	25	65	12	1	1	120
90Y 153S 007	1	.5	32	26	77	17	1	2	95
90Y 153S 008	2	.4	54	33	83	10	1	3	70
90Y 153S 009	6	1.5	92	52	183	51	1	2	115
90Y 153S 010	3	.5	80	33	138	109	1	9	95
90Y 153S 011	10	.6	64	28	79	28	1	1	60
90Y 153S 012	6	.5	55	29	79	28	1	1	55
90Y 153S 013	1	.4	41	26	61	3	1	2	95
90Y 153S 014	2	.3	108	35	106	37	1	1	45
90Y 153S 015	1	.3	42	26	77	18	1	1	110
90Y 153S 016	34	1.0	63	34	100	57	1	1	25
90Y 153S 017	2	.6	45	32	90	25	1	2	45
90Y 153S 018	1	.4	65	21	72	23	1	1	40
90Y 153S 019	1	1.0	59	32	91	37	1	1	40
90Y 153S 020	2	.8	70	34	84	22	1	2	30
90Y 153S 021	1	.5	87	30	78	14	1	1	25
90Y 153S 022	2	.7	56	30	84	5	1	2	15
90Y 153S 023	1	.9	74	27	89	22	1	1	5
90Y 153S 024	36	1.0	60	35	83	44	1	2	5
90Y 153S 025	2	.9	66	42	112	71	1	2	15
90Y 153S 026	1	.8	53	30	83	35	1	2	40
90Y 153S 027	2	.5	73	31	113	34	1	2	15
90Y 153S 028	1	.1	54	33	134	15	1	3	10
90Y 153S 029	2	.2	41	28	111	4	1	2	5
90Y 153S 030	1	.8	42	25	94	5	1	2	5
90Y 153S 031	1	.1	31	19	73	1	1	1	140
90Y 153S 032	2	.2	48	19	81	1	1	1	110
90Y 153S 033	1	.3	42	28	88	1	1	3	105
90Y 153S 034	1	.1	56	25	140	1	1	4	115
90Y 153S 035	4	.4	41	23	88	5	1	2	115
90Y 153S 036	2	.1	46	31	133	1	1	4	130
90Y 153S 037	2	.4	52	27	133	8	1	2	105
90Y 153S 038	3	.4	37	28	132	8	1	3	90
90Y 153S 039	7	.7	52	27	105	1	1	1	75
90Y 153S 040	1	.3	35	23	83	1	1	2	150
90Y 153S 041	1	.5	42	25	102	7	1	2	50
90Y 153S 042	15	.5	79	26	99	12	1	3	130
90Y 153S 043	6	.9	55	31	146	34	1	2	75
90Y 153S 044	142	.8	139	30	162	33	1	7	65
90Y 153S 045	2	1.3	109	32	172	52	1	4	110
90Y 153S 046	1	.4	45	24	109	22	1	2	30
90Y 153S 047	6	.6	23	23	95	8	1	2	60
90Y 153S 048	2	1.0	99	26	97	21	1	1	60
90Y 153S 049	1	.5	36	23	86	15	1	2	25
90Y 153S 050	5	.9	48	22	77	18	1	1	35
90Y 153S 051	42	1.0	93	34	138	131	1	2	35
90Y 153S 052	1	.8	36	21	70	23	1	2	30
90Y 153S 053	29	1.5	67	27	103	37	1	3	65
90Y 153S 054	9	.7	41	21	71	21	1	2	5
90Y 153S 055	2	1.2	61	24	111	30	1	3	85
90Y 153S 056	26	.7	27	23	102	15	1	2	45
90Y 153S 057	10	.6	28	26	94	21	1	2	45
90Y 153S 058	4	.2	58	28	100	29	1	8	70
90Y 153S 059	21	1.2	42	27	135	48	1	8	180
90Y 153S 060	9	.3	35	20	66	24	1	6	45

COMP: KEEWATIN ENGINEERING
PROJ: 152
ATTN: R.NICHOLS/M.BOBYN

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 0V-1111-SJ11
DATE: 90/08/21
* SOIL * (ACT:F31)

GJ 151

SAMPLE NUMBER	AU PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM	HG PPB
90V152S192	1	.8	37	49	96	1	1	1	260
90V152S193	3	1.1	46	37	101	1	1	1	575
90V152S194	1	1.0	32	29	93	1	1	1	240
90V152S195	2	.6	50	24	99	1	1	1	235
90V152S196	1	.8	58	26	100	1	1	1	275
90V152S197	1	1.1	49	30	108	1	1	1	250
90V152S198	1	.7	41	27	96	1	1	1	260
90F152S003	3	1.0	178	342	51	1	75	33	4650

COMP: KEEWATIN ENGINEERING
PROJ: 152
ATTN: R.NICHOLS/M.BOBYN

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: OV-1111-SJ9+10
DATE: 90/08/21
* SOIL * (ACT:F31)

SAMPLE NUMBER	AU PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM	HG PPB
90V152S105	2	.5	132	45	83	1	1	1	220
90V152S106	1	.9	90	27	83	1	1	1	160
90V152S107	1	.2	109	34	76	1	1	1	270
90V152S108	2	.4	66	23	93	1	1	1	240
90V152S109	4	.5	71	17	64	1	1	1	195
90V152S110	1	.6	120	22	60	1	1	1	250
90V152S111	3	.1	151	33	65	1	1	1	155
90V152S112	2	.5	553	36	57	1	1	1	220
90V152S113	1	.1	110	32	37	1	1	1	400
90V152S114	2	.3	76	23	38	1	1	1	170
90V152S115	5	.4	123	26	75	1	1	1	310
90V152S116	3	.2	90	22	79	1	1	1	250
90V152S117	1	1.3	116	26	91	1	1	5	380
90V152S118	4	.3	173	37	87	1	1	1	260
90V152S119	1	.9	55	24	71	1	1	1	200
90V152S120	1	1.0	69	27	137	1	1	1	215
90V152S121	2	.1	157	47	62	1	1	1	180
90V152S122	2	1.5	82	18	98	1	1	1	140
90V152S123	1	1.5	74	20	82	1	1	1	170
90V152S124	3	1.5	67	23	79	1	1	1	185
90V152S125	2	.8	71	19	86	1	1	1	225
90V152S126	4	.9	69	25	89	1	1	1	155
90V152S127	2	.5	105	34	68	1	1	1	185
90V152S128	1	.7	79	27	72	1	1	1	195
90V152S129	2	1.6	85	33	90	1	1	1	165
90V152S130	1	1.2	109	38	58	1	1	1	195
90V152S131	2	.1	120	44	54	1	1	1	180
90V152S132	3	.2	125	32	56	1	1	1	165
90V152S133	2	.5	93	41	66	1	1	1	155
90V152S134	2	.6	78	30	94	1	1	1	185
90V152S135	1	.4	57	38	87	1	1	1	205
90V152S136	2	.2	74	34	93	1	1	1	175
90V152S137	14	.1	64	24	104	1	1	1	180
90V152S138	2	.2	96	18	53	1	1	1	140
90V152S139	11	.2	47	30	70	1	1	1	210
90V152S140	1	.1	98	29	66	1	1	1	110
90V152S141	2	.7	80	32	71	1	1	1	185
90V152S142	1	.9	83	23	75	1	1	1	170
90V152S143	5	.8	57	23	96	1	1	1	230
90V152S144	1	1.0	68	25	75	1	1	1	170
90V152S145	1	1.3	44	18	87	1	1	1	175
90V152S146	2	2.1	61	18	65	1	1	1	215
90V152S147	2	2.3	37	29	91	1	1	1	165
90V152S148	1	1.3	39	24	94	1	1	1	205
90V152S149	1	1.6	64	24	77	1	1	1	210
90V152S150	1	2.1	42	27	87	1	1	1	205
90V152S151	2	.9	57	29	82	1	1	1	175
90V152S152	3	1.8	324	32	120	1	1	1	165
90V152S153	1	2.5	45	22	125	1	1	1	155
90V152S154	1	1.6	89	29	95	1	1	1	220
90V152S155	1	2.3	71	19	103	1	1	1	165
90V152S156	1	.9	68	29	83	1	1	1	215
90V152S157	1	.5	82	37	74	1	1	1	145
90V152S158	2	1.6	47	28	75	1	1	1	210
90V152S187	1	1.1	61	29	105	1	1	1	225
90V152S188	1	1.3	52	25	102	1	1	1	220
90V152S189	22	1.2	62	29	110	1	1	1	260
90V152S190	2	1.7	102	34	106	1	1	1	300
90V152S191	1	.9	47	27	95	1	1	1	205

GJ 151

COMP: KEEWATIN ENGINEERING
PROJ: 151
ATTN: R.NICHOLS/D.MEHNER

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: OV-1393-SJ1
DATE: 90/09/07
* SOIL * (ACT:)

SAMPLE NUMBER	AU PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM	HG PPB
90 V 151 S066	1	.8	39	22	99	49	1	1	110
90 V 151 S067	3	1.0	42	20	106	42	1	2	105
90 V 151 S068	1	1.0	68	16	77	49	1	2	85
90 V 151 S069	1	.6	11	18	52	9	1	1	105
90 V 151 S070	1	.6	18	27	125	8	1	3	135
90 V 151 S071	3	.6	21	29	94	1	1	4	120
90 V 151 S072	1	.8	22	22	84	12	1	3	160
90 V 151 S073	1	1.1	35	34	70	6	1	3	130
90 V 151 S074	1	1.0	50	26	72	43	1	3	230
90 V 151 S075	1	1.1	39	25	60	55	1	1	205
90 V 151 S076	1	.7	65	20	81	74	1	1	165
90 V 151 S077	5	1.0	51	25	108	62	1	2	145
90 V 151 S078	2	.7	59	25	70	49	1	1	180
90 V 151 S079	3	.4	78	28	61	76	1	1	85
90 V 151 S080	1	.3	95	22	74	81	1	2	110
90 V 151 S081	2	.7	72	21	73	63	1	2	90
90 V 151 S082	1	.5	74	28	58	38	1	1	160
90 V 151 S083	1	.8	68	29	82	42	2	2	60
90 V 151 S084	2	.7	64	31	75	51	1	1	115
90 V 151 S085	1	.6	78	33	76	60	1	2	105
90 V 151 S086	1	.3	67	28	101	58	1	1	75

COMP: KEEWATIN ENGINEERING
PROJ: 153
ATTN: R.NICHOLS/M.BOBYN

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 0V-1111-SJ14+12
DATE: 90/08/21
* SOIL * (ACT:F31)

SAMPLE NUMBER	AU PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM	HG PPB
90V153S200 GJ	2	.5	28	22	76	1	1	1	195
90V153S201	1	1.3	48	21	122	1	1	1	320
90V153S202	1	.6	38	22	65	1	1	1	205
90V153S203	1	.6	25	28	54	1	1	1	200
90V153S204	22	1.2	16	30	32	1	1	1	165
90V153S205	1	.7	40	25	116	1	1	1	235
90V153S206	8	.3	15	26	36	1	1	1	200
90V153S207	1	.7	32	33	60	1	1	1	295
90V153S208	16	1.2	48	34	92	1	1	1	350
90V153S209	1	1.0	36	36	107	1	1	1	210
90V153S210	1	1.4	43	29	75	1	1	1	345
90V153S211	1	1.7	48	26	56	1	1	1	370
90V153S212	16	1.6	57	31	21	1	1	1	505
90V153S213	2	.9	24	31	90	1	1	1	245
90V153S214	2	.9	58	26	80	1	1	1	395
90V153S215	1	.6	38	30	54	1	1	1	265
90V153S216	5	1.4	87	33	83	1	1	1	390
90V153S217	1	.9	26	35	58	1	1	1	215
90V153S218	6	1.3	56	32	85	1	1	1	315
90V153S219	3	1.4	32	31	78	1	1	1	165
90V153S220	2	.8	21	34	45	1	1	1	200
90V153S221	1	.8	37	26	84	1	1	1	215
90V153S222	3	.6	16	31	44	1	1	1	145
90V153S223	3	.8	13	30	66	1	1	1	205
90V153S224	1	.9	22	31	77	1	1	1	185
90V153S225	1	.8	24	23	67	1	1	1	180
90V153S226	2	1.1	28	28	70	1	1	1	235
90V153S227	16	1.5	27	26	70	1	1	1	150
90V153S228	3	1.4	29	26	83	1	1	1	175
90V153S229	4	.6	27	27	73	1	1	1	150
90V153S230	117	1.4	21	30	52	1	1	1	210
90V153S231	1	1.7	46	33	78	1	1	1	475
90V153S232	1	1.6	26	28	64	1	1	1	180
90V153S233	1	.1	14	65	13	1	2	4	280

COMP: KEEWATIN ENGINEERING
PROJ: 151
ATTN: R.NICHOLS/D.MEHNER

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 0S-0470-SJ1
DATE: 90/09/13
* SOIL * (ACT:F31)

SAMPLE NUMBER	AU PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM	HG PPB
90Y151 S-050	1	.3	33	34	97	30	2	5	110
90Y151 S-051	3	.4	64	32	98	35	1	3	215
90Y151 S-052	2	.1	36	24	79	26	1	3	125
90Y151 S-053	1	.1	36	26	82	43	1	4	165
90Y151 S-054	1	.1	31	28	88	12	1	3	110
90Y151 S-055	2	.2	26	26	98	43	1	4	125
90Y151 S-056	1	1.8	93	34	253	71	5	7	155
90Y151 S-057	1	.1	31	24	57	6	1	4	180
90Y151 S-058	636	1.3	439	87	850	124	19	15	185
90Y151 S-059	495	2.7	1394	204	325	57	10	16	80
90Y151 S-060	181	1.1	651	67	298	68	12	23	135
90Y151 S-061	31	.2	73	30	105	56	2	8	125
90Y151 S-062	105	.6	338	39	270	157	17	20	140
90Y151 S-063	4	.4	29	21	79	25	1	5	220
90Y151 S-064	3	.8	74	30	104	44	1	5	150
90Y151 S-065	1	.5	31	26	75	39	1	3	125
90Y151 S-066	1	.7	19	27	191	48	1	4	100
90Y151 S-067	1	.6	41	32	98	65	1	4	160
90Y151 S-068	2	1.0	22	22	92	40	1	3	95
90Y151 S-069	1	.4	27	24	80	41	1	4	155

COMP: KEEWATIN ENGRG.
PROJ: 151
ATTN: R.NICHOLS/D.MEHNER

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 0S-0446-SJ2+3
DATE: 90/09/11
* SOIL * (ACT:F31)

SAMPLE NUMBER	AU PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM	HG PPB
90 JT 151S-001	1	.4	56	24	102	1	3	1	145
90 JT 151S-002	1	.8	54	33	111	48	3	4	320
90 JT 151S-003	204	1.4	57	46	167	379	10	3	225
90 JT 151S-004	1	1.2	67	68	190	143	9	3	410
90 JT 151S-005	1	.7	35	24	163	73	2	4	125
90 JT 151S-006	1	.5	69	20	162	133	11	3	185
90 JT 151S-007	1	.8	151	45	608	137	12	5	135
90 JT 151S-008	1	1.0	73	30	192	74	5	3	110
90 JT 151S-009	12	2.1	78	32	165	100	1	3	145
90 JT 151S-010	20	2.0	114	82	642	1300	15	2	340
90 JT 151S-011	215	.8	149	67	263	187	9	4	95
90 JT 151S-012	2	.9	122	45	211	51	4	5	275
90 JT 151S-013	28	.5	132	34	205	160	8	9	155
90 JT 151S-014	1225	4.5	567	74	573	469	26	16	85
90 JT 151S-015	182	1.7	662	82	517	153	15	8	185
90 JT 151S-016	74	.6	374	29	95	112	1	6	120
90 JT 151S-017	1	3.1	677	28	105	40	3	6	640
90 JT 151S-018	448	2.8	825	59	238	183	23	16	145
90 JT 151S-019	1	.9	281	20	98	87	6	6	100
90 JT 151S-020	144	.8	291	36	150	109	12	5	105
90 JT 151S-021	160	.4	287	94	474	184	14	29	85
90 JT 151S-022	1	.6	210	25	110	11	3	9	110
90 JT 151S-023	1	.7	151	32	131	208	6	10	115
90 JT 151S-024	1	.1	45	47	181	1	1	7	75
90 JT 151S-025	1	.9	68	52	305	26	1	5	225
90 JT 151S-026	80	.7	303	49	237	62	4	6	390
90 JT 151S-027	1	1.2	172	25	94	17	1	3	195
90 JT 151S-028	1	.9	125	27	98	40	1	4	55
90 JT 151S-029	41	1.2	162	25	119	41	1	4	155
90 JT 151S-030	1	2.2	194	47	165	23	3	5	275
90 JT 151S-031	1	1.8	166	42	151	62	6	21	195
90 JT 151S-032	47	3.0	402	38	201	81	28	12	180
90 JT 151S-033	79	1.8	326	30	107	81	11	13	510
90 JT 151S-034	36	1.0	148	26	114	35	3	8	220
90 JT 151S-035	3	.9	156	27	152	53	2	9	130
90 JT 151S-036	932	2.7	445	35	63	86	13	7	125
90 JT 151S-037	234	1.4	528	29	51	47	3	7	55
90 JT 151S-038	219	1.7	372	24	48	50	1	3	125
90 JT 151S-039	343	1.2	422	26	57	34	1	2	140
90 JT 151S-040	225	1.8	607	29	69	39	1	4	80
90 JT 151S-041	62	1.8	187	27	74	41	1	5	105
90 JT 151S-042	30	1.3	322	22	96	34	3	5	145
90 JT 151S-043	166	1.6	763	28	38	35	2	8	140
90 JT 151S-044	373	.6	560	25	81	30	1	11	105

COMP: KEEWATIN ENGINERING
PROJ: 0291
ATTN: R.NICHOLS/D.MEHNER

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: OV-1243-SJ1+2
DATE: 90/08/31
• SOIL • (ACT:F31)

SAMPLE NUMBER	AU PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM	HG PPB
90 V 151 S 033	2	.1	45	32	227	21	1	2	120
90 V 151 S 034	2	.1	64	24	106	1	1	3	50
90 V 151 S 035	1	.3	35	26	121	6	1	1	165
90 V 151 S 036	2	.5	49	25	174	7	1	3	125
90 V 151 S 037	1	2.8	30	21	219	14	1	12	95
90 V 151 S 038	1	.1	25	22	144	1	1	4	75
90 V 151 S 039	1	.3	34	15	91	19	1	4	90
90 V 151 S 040	1	.6	23	13	103	25	1	1	120
90 V 151 S 041	22	.9	31	11	97	32	1	1	105
90 V 151 S 042	13	.5	63	20	164	45	1	4	90
90 V 151 S 043	4	1.1	34	12	145	22	1	2	130
90 V 151 S 044	18	.9	64	18	140	51	1	2	110
90 V 151 S 045	1	.5	36	14	105	35	1	1	150
90 V 151 S 046	3	1.4	67	16	109	51	1	3	360
90 V 151 S 047	1	.9	30	13	83	55	1	3	155
90 V 151 S 048	3	.3	28	8	92	39	1	3	140
90 V 151 S 049	2	.1	183	31	189	3	2	5	130
90 V 151 S 050	1	.5	124	19	164	38	1	4	225
90 V 151 S 051	1	.1	240	27	118	42	1	2	215
90 V 151 S 052	1	.6	73	18	91	57	1	1	65
90 V 151 S 053	2	.2	80	26	128	37	1	3	250
90 V 151 S 054	1	.4	63	17	129	42	1	4	130
90 V 151 S 055	2	.6	40	18	106	50	1	4	95
90 V 151 S 056	14	.5	86	19	107	53	1	3	70
90 V 151 S 057	10	.8	65	30	173	61	4	2	130
90 V 151 S 058	24	2.0	98	23	171	39	3	18	115
90 V 151 S 059	5	.4	39	15	111	32	1	4	105
90 V 151 S 060	1	.5	31	18	111	32	1	3	100
90 V 151 S 061	2	.2	33	14	110	36	1	3	105
90 V 151 S 062	3	.1	54	26	161	40	1	4	165
90 V 151 S 063	3	.4	101	27	152	53	1	3	155
90 V 151 S 064	2	.4	41	23	136	47	1	2	150
90 V 151 S 065	2	.9	31	24	104	56	1	2	180

COMP: KEEWATIN ENGRG.
PROJ:
ATTN: D.MEHNEE

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: OS-0342-SJ1+2
DATE: 90/08/27
* SOIL * (ACT:F31)

SAMPLE NUMBER	AU PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM	HG PPB
90 V 151 S 001	3	1.1	87	46	177	11	3	10	140
90 V 151 S 002	22	.6	55	29	177	1	1	1	150
90 V 151 S 003	14	.3	43	24	130	1	1	4	90
90 V 151 S 004	2	.4	30	22	105	1	1	1	95
90 V 151 S 005	1	.7	42	25	91	1	1	1	100
90 V 151 S 006	1	.8	60	22	309	83	1	1	80
90 V 151 S 007	1	.1	40	37	146	1	1	1	85
90 V 151 S 008	19	.6	58	17	116	1	1	1	75
90 V 151 S 009	2	1.1	66	20	109	1	1	1	95
90 V 151 S 010	2	.9	49	17	102	1	1	1	85
90 V 151 S 011	3	1.5	79	33	183	1	1	1	160
90 V 151 S 012	1	.8	44	13	104	1	1	1	110
90 V 151 S 013	1	1.1	38	21	175	1	1	1	75
90 V 151 S 014	1	.7	48	32	172	1	1	1	100
90 V 151 S 015	2	.6	44	29	256	1	1	1	105
90 V 151 S 016	1	.7	59	22	179	1	1	1	110
90 V 151 S 017	1	.6	52	30	199	1	1	1	95
90 V 151 S 018	1	.8	38	34	263	1	1	1	85
90 V 151 S 019	10	.5	38	27	161	1	1	3	110
90 V 151 S 020	3	.8	24	21	225	1	1	5	190
90 V 151 S 021	2	.5	32	19	173	1	1	1	85
90 V 151 S 022	5	.7	49	25	160	1	1	4	135
90 V 151 S 023	1	1.0	29	15	118	1	1	1	160
90 V 151 S 024	2	.9	55	21	107	1	1	2	195
90 V 151 S 025	1	.5	38	31	216	1	1	4	100
90 V 151 S 026	1	.1	42	27	141	1	1	1	75
90 V 151 S 027	1	.2	46	48	161	1	1	1	95
90 V 151 S 028	1	.8	45	31	185	1	1	1	95
90 V 151 S 029	3	.3	74	35	152	1	1	1	100
90 V 151 S 030	2	.2	60	27	140	1	1	2	120
90 V 151 S 031	2	.4	58	33	132	1	1	2	120
90 V 151 S 032	1	.4	54	26	123	1	1	2	90

COMP: KEEWATIN ENGINEERING
PROJ: 151
ATTN: R.NICHOLS/D.MEHNER

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: OS-0335-SJ3+4
DATE: 90/08/23
* SOIL * (ACT:F31)

SAMPLE NUMBER	AU PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM	HG PPB
90DP 151 S 029	4	.3	80	19	69	46	2	1	220
90DP 151 S 030	44	.6	91	149	202	1	1	2	180
90DP 151 S 031	6	1.3	173	25	41	1	1	1	175
90DP 151 S 032	89	1.2	134	40	109	4	1	1	230
90DP 151 S 033	248	3.0	170	82	338	612	16	7	235
90DP 151 S 034	21	.5	84	45	138	1	1	2	180
90U 151 S 001	20	.8	117	32	122	3	2	4	170
90U 151 S 002	25	.8	87	31	138	18	10	3	145
90U 151 S 003	6	.7	91	24	70	44	4	1	190
90U 151 S 004	4	.3	63	30	80	1	2	2	145
90U 151 S 005	10	.4	72	29	194	1	4	17	175
90U 151 S 006	93	1.2	166	28	159	3	6	4	225
90U 151 S 007	2	1.0	155	39	117	1	1	1	1100
90U 151 S 008	10	1.8	227	25	108	1	1	1	260
90U 151 S 009	16	1.3	204	34	102	1	1	1	400
90U 151 S 010	4	1.6	210	24	113	1	1	1	505
90U 151 S 011	15	2.1	160	17	894	1	1	1	150
90U 151 S 012	6	1.2	104	27	159	1	1	1	180
90U 151 S 013	5	.8	61	34	165	1	2	3	135
90U 151 S 014	4	.8	64	29	135	1	3	4	100
90U 151 S 015	5	.7	75	37	192	1	3	5	140
90U 151 S 016	40	1.4	202	40	275	33	11	6	235
90U 151 S 017	60	.8	125	109	467	406	14	11	135
90U 151 S 018	18	1.0	104	44	183	79	5	7	165
90U 151 S 019	190	1.7	480	63	297	131	16	31	175
90U 151 S 020	45	2.0	249	46	222	119	15	13	200
90U 151 S 021	78	3.1	364	44	351	191	29	29	195
90U 151 S 022	70	2.0	188	83	391	52	7	11	170
90U 151 S 023	41	.3	125	66	341	99	16	30	345
90U 151 S 024	10	.4	140	58	238	61	13	22	155
90U 151 S 025	48	1.2	132	68	235	54	6	8	170
90U 151 S 026	174	3.6	266	59	973	45	13	9	280
90U 151 S 027	169	1.2	157	39	129	1	2	3	165
90U 151 S 028	266	5.0	514	47	236	131	18	9	225
90U 151 S 029	24	2.0	86	37	171	57	9	8	185
90CL 151 S 001	18	2.1	131	47	213	2	5	7	180
90CL 151 S 002	34	1.5	146	101	247	84	1	3	215
90CL 151 S 003	20	1.1	136	62	260	1	4	3	155
90CL 151 S 004	1	2.3	137	50	228	1	3	7	255
90CL 151 S 005	16	1.6	180	31	126	1	1	3	260
90CL 151 S 006	8	1.7	142	53	263	1	5	7	165
90CL 151 S 007	16	.8	70	34	161	13	1	2	135
90CL 151 S 008	10	1.0	57	45	263	1	2	4	120
90CL 151 S 009	8	1.2	73	29	140	3	1	1	115
90CL 151 S 010	14	1.3	72	43	218	1	1	1	600
90CL 151 S 011	2	.9	148	43	111	1	1	1	185
90CL 151 S 012	5	1.4	60	27	102	1	2	1	300
90CL 151 S 013	4	1.4	66	28	57	1	2	1	305
90CL 151 S 014	6	1.4	144	36	84	1	1	1	155
90CL 151 S 015	8	.8	104	38	85	1	1	1	145
90CL 151 S 016	12	.6	89	53	121	1	2	1	175
90CL 151 S 017	14	.4	84	39	98	1	3	1	145
90CL 151 S 018	2	.5	55	36	128	1	1	2	245
90CL 151 S 019	2	1.7	143	33	96	1	1	1	150
90CL 151 S 020	5	2.3	151	39	128	1	1	2	145
90CL 151 S 021	4	.5	84	192	506	1	3	5	175
90CL 151 S 022	2	.8	52	37	136	1	2	2	150
90CL 151 S 023	20	1.0	96	53	215	44	4	3	135

COMP: KEEWATIN ENGINEERING
PROJ: 151
ATTN: R.NICHOLS/D.MEHNER

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 0S-0335-SJ1+2
DATE: 90/08/23
**SOIL ** (ACT:F31)

SAMPLE NUMBER	AU PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM	HG PPB
90Y 151 S 001	4	.1	40	37	112	1	1	4	125
90Y 151 S 002	2	.1	47	29	126	1	1	2	160
90Y 151 S 003	3	.1	69	48	129	1	1	2	165
90Y 151 S 004	8	.2	194	38	129	1	2	1	230
90Y 151 S 005	1	.3	47	31	93	1	1	1	120
90Y 151 S 006	5	.6	53	39	100	1	1	11	400
90Y 151 S 007	2	.5	154	33	127	61	13	12	130
90Y 151 S 008	5	.1	74	36	111	1	1	2	115
90Y 151 S 009	4	.1	109	50	167	1	4	6	130
90Y 151 S 010	2	.1	58	43	137	1	3	8	140
90Y 151 S 011	2	.5	57	29	122	20	7	21	110
90Y 151 S 012	62	.1	60	48	157	1	2	6	135
90Y 151 S 013	12	.4	44	39	150	1	4	10	145
90Y 151 S 014	5	.6	35	34	108	1	1	6	145
90Y 151 S 015	2	.4	64	37	155	1	4	5	120
90Y 151 S 016	5	.8	77	39	117	1	2	4	210
90Y 151 S 017	1	.3	55	39	143	1	5	8	140
90Y 151 S 018	2	.6	40	37	115	1	2	3	145
90Y 151 S 019	5	1.0	38	31	80	10	4	7	150
90Y 151 S 020	1	.6	71	32	51	21	9	15	320
90Y 151 S 021	2	.7	42	31	56	4	4	13	135
90Y 151 S 022	3	.4	66	38	103	12	8	14	140
90Y 151 S 023	2	.8	62	32	110	47	14	32	195
90Y 151 S 024	4	.5	63	36	128	6	18	45	180
90Y 151 S 025	5	.3	70	47	110	22	17	35	200
90Y 151 S 026	2	.7	60	51	87	2	9	30	175
90Y 151 S 027	4	.3	232	51	116	31	8	3	165
90Y 151 S 028	25	.3	62	31	100	13	3	5	205
90Y 151 S 029	4	.6	77	20	103	34	3	1	145
90Y 151 S 030	2	.2	52	30	92	1	1	1	155
90Y 151 S 031	6	.4	105	53	115	1	2	1	130
90Y 151 S 032	8	.3	118	35	97	1	3	1	125
90DP 151 S 001	12	.4	64	40	104	1	1	1	155
90DP 151 S 002	4	.1	112	52	185	1	5	2	150
90DP 151 S 003	5	.5	98	39	79	1	3	12	155
90DP 151 S 004	4	.1	108	38	83	53	4	1	130
90DP 151 S 005	5	.1	84	30	61	39	5	3	85
90DP 151 S 006	3	.4	231	24	67	57	4	2	200
90DP 151 S 007	4	.1	103	54	310	1	2	1	145
90DP 151 S 008	15	.7	265	29	89	1	3	1	195
90DP 151 S 009	2	.1	64	27	75	1	4	2	160
90DP 151 S 010	3	.3	67	35	122	1	1	4	155
90DP 151 S 011	2	.5	84	60	111	1	1	1	150
90DP 151 S 012	4	.4	84	29	76	1	1	2	95
90DP 151 S 013	182	2.1	70	223	362	909	12	1	185
90DP 151 S 014	5	.6	44	39	50	1	1	3	215
90DP 151 S 015	65	3.8	127	175	1646	103	6	1	145
90DP 151 S 016	2	.7	37	35	140	1	1	2	130
90DP 151 S 017	4	.7	40	23	86	1	2	1	105
90DP 151 S 018	6	1.1	62	41	95	1	1	1	170
90DP 151 S 019	3	.6	42	33	99	1	1	1	110
90DP 151 S 020	10	.9	56	34	162	1	3	1	105
90DP 151 S 021	4	.6	51	29	99	1	1	1	155
90DP 151 S 022	15	.9	98	38	147	1	4	2	120
90DP 151 S 023	5	.8	128	33	99	47	5	4	495
90DP 151 S 024	7	1.8	103	44	169	12	8	4	200
90DP 151 S 025	2	1.7	82	35	188	39	9	11	230
90DP 151 S 026	10	1.1	175	49	142	13	9	6	155
90DP 151 S 027	22	.7	121	54	216	19	5	14	115
90DP 151 S 028	5	3.0	116	53	543	278	20	137	335

APPENDIX V

Soil Sample Descriptions

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: GJ

Area (Grid): BEAUCHAMP

Collectors: JK

Results Plotted By:

Map: N.T.S.:

Date 26/6

Sample Number	Sample Location: ~~Line~~	Sample Location: ~~Station~~ ELEVATION	Notes	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon Development Good	Soil Data: Horizon Development Poor	Soil Data: Parent Material Drift	Soil Data: Parent Material Bedrock	Soil Data: Colour
90Y153	5001	5350	silt, sand, frag, gravel				✓					✓		B	30	✓		✓		DB
	2		silt				✓					✓		B	40	✓		✓		DB
	3		silt				✓					✓		B	40	✓		✓		LB
	4		silt				✓					✓		B	30	✓		✓		RB
	5		silt				✓					✓		B	30	✓		✓		RB
	6		silt				✓					✓		B	30	✓		✓		RB
	7		silt				✓					✓		B	40	✓		✓		LB
	8		silt				✓					✓		B	30	✓		✓		LB
	9		silt				✓					✓		B	40	✓		✓		DB
4+50S	010		silt				✓					✓		B	30	✓		✓		RB
	11		silt				✓					✓		B	30	✓		✓		LB
	12		silt				✓					✓		B	30	✓		✓		DB
	13		silt				✓					✓		B	30	✓		✓		DB
	14		silt				✓					✓		B	50	✓		✓		DB
	15		silt				✓					✓		B	50	✓		✓		DB
	16		silt				✓					✓		B	40	✓		✓		LB
	17		silt				✓					✓		B	40	✓		✓		RB
	18		silt				✓					✓		B	30	✓		✓		LB
	19		silt				✓					✓		A	40	✓		✓		LB
9+50S	020		silt				✓					✓		B	40	✓		✓		RB
	21		silt				✓					✓		B	30	✓		✓		LB
	22		silt				✓					✓		B	35	✓		✓		DB
	23		silt				✓					✓		B	40	✓		✓		LB
	24		silt				✓					✓		B	50	✓		✓		DB
	25	↓	silt				✓					✓		B	30	✓		✓		RB
	26	5300	silt clay sand		SE							✓		B	30	✓		✓		LB
	27	5320	silt				✓					✓		B	20	✓		✓		DB
	28	5350	silt				✓					✓		A	40		✓	✓		DB
	29	5350	silt				✓					✓		B	40	✓		✓		DB

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: GJ 153 — Results Plotted By: _____

Area (Grid): Beauchamp — Map: _____ N.T.S.: _____

Collectors: _____ — Date 11/6

Sample Number	Sample Location: Base	Sample Location: ELEV. Station	Notes	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon Development: Good	Soil Data: Horizon Development: Poor	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Soil Data: Colour
GJ 153	5030	5350	silt/sand/clay				✓					✓		B	30	✓		✓		LB
	031						✓					✓		B	30		✓	✓		LB
	032						✓					✓		B	40		✓	✓		LB
	33						✓					✓		B	40	✓		✓		DB
	34						✓					✓		B	30	✓		✓		LB
	35						✓					✓		B	40	✓		✓		DB
	36						✓					✓		B	40	✓		✓		LB
	37						✓					✓		B	30	✓		✓		RB
	38						✓					✓		B	40	✓		✓		LB
	39						✓					✓		B	40	✓		✓		RB
	40						✓					✓		B	30	✓		✓		LB
	41						✓					✓		B	30	✓		✓		RB
	42	1070	silt/sand/clay		SE			✓						B	30	✓		✓		LB
	43	1060			SE			✓						A	20	✓			✓	DB
	44	1070			SE			✓						B	10	✓		✓		LB
	45	1060	silt/sand clay		SE			✓						A	20		✓		✓	LB
	46	1070	silt/sand/clay		SE			✓						B	20	✓		✓		RB
	47	1070			SE			✓						B	10	✓		✓		RB
	48	1070			SE			✓						B	36		✓	✓		LB
	49	1070			SE			✓						B	20	✓		✓		RB
	50	1060			SE			✓						B	30	✓		✓		RB
	51	1060			SE			✓						B	30	✓		✓		RB
	52	1070			SE			✓						B	30	✓		✓		DRB
	53	1060	silt/sand/clay		SE			✓						B	30	✓		✓		LB
	54	1055	silt/sand/clay		SE			✓						B	30	✓		✓		DR
	55	1060	silt/sand/clay		SE			✓						B	30	✓		✓		RB
	56	1055			SE			✓						B	20	✓		✓		RB
	57	1055			SE			✓						B	30	✓		✓		RB
	58	1050			SE			✓						B	30	✓		✓		RB

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: GJ

Area (Grid): 151 1430 CONTOUR

Collectors: CK

Results Plotted By: _____

Map: _____ N.T.S.: _____

Date _____

Sample Number	Sample Location		Notes	Topography				Vegetation						Soil Data						
	Line	Station		Valley Bottom	Direction of slope	Hill Top	Level Ground	Heavily Wooded	Sparsely Wooded	Burnt	Logged	Grassland	Swampy	Horizon Sampled	Depth to Horizon Sample	Horizon Development: Good	Horizon Development: Poor	Parent Material: Drift	Parent Material: Bedrock	Colour
90Y 151	3050	1420m			E				✓					B	40	✓		✓		RB
	51	1420							✓					A	30	✓		✓		LB
	52	1420							✓					B	30	✓		✓		LB
	53	1415							✓					A	30		✓		✓	DB
	54	1420							✓					B	40	✓		✓		LB
	55	1420							✓					B	40	✓		✓		DLB
	56	1420							✓					B	40	✓		✓		DB
	57	1420			W				✓					B	30	✓		✓		RB
	58	1405							✓					B	30	✓		✓		RB
	59	1385							✓					B	30	✓		✓		RB
90Y 151	3060	1400							✓					B	30	✓		✓		RB
	61	1400							✓					B	30	✓		✓		RB
	62	1400							✓					B	30	✓		✓		RB
	63	1405							✓					A	40		✓	✓		BB
	64	1400							✓					B	40	✓		✓		DRB
	65	1400			E				✓					B	40		✓		✓	LB
	66	1405							✓					A	40	✓		✓		DB
	67	1405							✓					B	40	✓		✓		LB
	68	1400							✓					A	40		✓		✓	BI
	69	1400							✓					B	40	✓		✓		DB

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: _____ Results Plotted By: _____

Area (Grid): _____ Map: _____ N.T.S.: _____

Collectors: JAMES TASHOOTS Date Aug. 25, 90

Sample Number 90-S-151-S	Sample Location: Elev Line	Sample Location: Station	Notes	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon Development Good	Soil Data: Horizon Development Poor	Soil Data: Parent Material Drift	Soil Data: Parent Material Bedrock	Soil Data: Colour
001	1520	0+00	50 SILT 20-ORG 20 SAND									✓			35	✓				DB
002	1500	0+50	50 SAND 30-ORG 20 SILT									✓			30	✓				RB
003	1510	1+00	40 SAND 20 SILT 20 FRAGS 10-ORG									✓			25	✓				RB
004	1510	1+50	50 SAND 25 FRAG 25 ORG									✓			35	✓				RB
005	1510	2+00	75 SILT 10 SAND 10-ORG 5 FRAGS									✓			30	✓				RB
006	1510	2+50	50 SILT 20-ORG 20 SAND 10 FRAGS									✓			25	✓				RB
007	1520	3+00	50 SAND 30 SILT 20 FRAGS									✓			25	✓				RB
008	1520	3+50	50 SILT 20-ORG 10 FRAGS 20 SAND									✓			35	✓				DB
009	1520	4+00	50 SILT 40-ORG 10 FRAGS									✓			30	✓				BL
010	1530	4+50	35 SILT 25 SAND 20-ORG									✓			25	✓				DR
011	1530	5+00	45 SILT 20-ORG 20 SAND 15 FRAGS									✓			35	✓				RB
012	1520	5+50	50-ORG 30 SILT 20 SAND									✓			25	✓				LB
013	1540	6+00	40 SILT 30 SAND 20-ORG 10 FRAGS									✓			30	✓				RB
014	1540	6+50	50 SILT 40 SAND 10 FRAGS									✓			25	✓				RB
015	1570	7+00	50 SAND 40 SILT 5 FRAGS 5 ORG									✓			35	✓				RB
016	1520	7+50	50 SILT 30 SAND 10-ORG 10 FRAGS									✓			30	✓				RB
017	1520	8+00	50 SILT 40-ORG 10 FRAGS									✓			55	✓				BL
018	1520	8+50	50 SILT 30-ORG 10 FRAGS									✓			30	✓				BL
019	1520	9+00	40 SAND 40-ORG 10 FRAGS 10 SILT									✓			35	✓				BL
020	1520	9+50	40 SAND 40 SILT 10-ORG 10 FRAGS									✓			35	✓				RB
021	1520	10+00	30 SILT 30 SAND 20-ORG 20 FRAGS									✓			30	✓				RB
022	1520	10+50	40 SAND 30 SILT 20-ORG 10 FRAGS									✓			35	✓				RB
023	1520	11+00	40 SAND 40-ORG 10 FRAGS 10 SILT									✓			30	✓				RB
024	1520	11+50	40 SAND 30 SILT 10 FRAGS 10-ORG									✓			30	✓				LB
025	1520	12+00	50 SILT 30-ORG 20 FRAGS									✓			25	✓				BL
026	1510	12+50	40-CLAY 30 SAND FRAGS 30-ORG									✓			15	✓				LB
027	1510	13+00	50 CLAY 40 SILT FRAGS									✓			30	✓				DB
028	1520	13+50	40 SILT 40-ORG 20 SAND									✓			25	✓				DB
029	1515	14+50	40 SAND 20 [illegible] ORG									✓			30	✓				DB

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: _____ Results Plotted By: _____

Area (Grid): _____ Map: _____ N.T.S.: _____

Collectors: JAMES T[illegible] Date [illegible]

Sample Number	Sample Location		Notes	Topography				Vegetation						Soil Data						
	ELEV ~~Line~~	Station		Valley Bottom	Direction of slope	Hill Top	Level Ground	Heavily Wooded	Sparsely Wooded	Burnt	Logged	Grassland	Swampy	Horizon Sampled	Depth to Horizon Sample	Horizon Development Good	Horizon Development Poor	Parent Material Drift	Parent Material Bedrock	Colour
030	1520	14+50	50 SILT 50 SAND									✓			35	✓				DB
031	1520	15+00	[illegible]									✓			30	✓				RB
032	1520	15+50	50 SAND 20 S[illegible]									✓			35	✓				RB
033	1520	16+[illegible]	40 CLAY 40 S[illegible] 20 FRAGS									✓			35	✓				RB
034	1520	16+50	40 SILT 40 SAND 10 FRAGS ORG									✓			30	✓				RB
035	1520	17+00	40 SAND S[illegible] 30 S[illegible] 5 FRAGS									✓			35	✓				RB
036	1520	17+50	40 SAND 30 SH[illegible] 10 ORG									✓			34	✓				LB
037	1520	18+00	50 SAND 40 FRAGS [illegible]									✓			35	✓				LB
038	1520	18+50	50 SILT 50 SAND									✓			35	✓				LB
039	1520	19+00	50 SAND 40 FRAGS 5 SAND 5 SILT									✓			35	✓				DB
040	1520	19+50	50 SAND 40 FRAGS 10 S[illegible]									✓			34	✓				DB
041	1520	20+[illegible]	S[illegible] 40 SAND 10 FRAGS									✓			30	✓				DB
042	1520	20+50	40 SAND 40 SILT 10 FRAGS 10 ORG									✓			35	✓				LB
043	1520	21+00	80 SAND 10 SILT 10 FRAGS									✓			30	✓				RB
044	1520	21+50	10 FRAGS 80 SAND 10 SILT									✓			25	✓				RB

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: G U

Area (Grid): West of South Cr

Collectors: D. Perr

Results Plotted By: D. PerreTT

Map: _____ N.T.S.: _____

Date 8/18/90

Sample Number	Sample Location: Line	Sample Location: Station	Notes: % Sand	% Fines	% Org	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon Development: Good	Soil Data: Horizon Development: Poor	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Soil Data: Colour
64 90DP15500N	5,000'		45	50	5		W							✓		B	0.33	✓			✓	Brn
112 002			45	50	5		W							✓		B	0.45					
98 003			45	50	5		S							✓		Bh	0.40					L
108 004			55	44	1		S						✓	✓		Ah	0.35					
84 005			55	44	1		E							✓		B	0.33					L
231 006			50	45	5		E							✓		Ah	0.30					
103 007			50	47	3		E							✓		B	0.35					
265 008			90	9	1									✓		B	0.20					
64 009			86	9	5									✓		B	0.40					
67 010			50	48	2									✓		C	0.75					D
84 011			20	78	2									✓		Bh	0.40	✓				
84 012			89	10	1									✓		C+A	0.14		✓			
70 013			10	89	1						✓					Bh	0.25	✓				D Brn
44 014			25	50	25		W				✓					B+A	0.22		✓			DBk
127 015			50	50	0		W							✓		A	0.20		✓			Gry
37 016			40	58	2		S							✓		Bh	0.55	✓				Brn
40 017			50	48	2		S							✓		C	0.45	✓				Brn
62 018			30	65	5		E							✓		C	0.30	✓				DBrn
42 019			32	65	3		E							✓		Bh	0.45	✓				DBrn
56 020			45	52	3		S							✓		C+B	0.15		✓			LBrn
51 021			45	52	3		S							✓		Bh	0.42	✓				Brn
98 022			50	48	2		E							✓		B	0.40	✓				DBr
128 023			85	14	1		E							✓		C+A	0.35		✓			Gry
163 024			60	39	1		E							✓		Bh	0.20	✓				Brn
82 025			85	5	0		V							✓		A+C	0.15		✓			Gry
175 026			50	48	2		W							✓		Ah	0.22	✓				DBrn
121 027			15	80	5		W							✓		B	040	✓				Brn
116 028			45	52	3		W							✓		B	030	✓				GIK
80 029	↓		40	58	2		W							✓		Bh	0.20	✓			✓	DBrn

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: GA

Area (Grid): West of Centre Cr

Collectors: D. Perrett

Results Plotted By: D. Perrett

Map: _____ N.T.S.: _____

Date 8/18/90

Sample Number (900F151)	Sample Location: Line	Sample Location: Station	Notes: % Sand	% Fines	% Orgs	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon Development: Good	Soil Data: Horizon Development: Poor	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Soil Data: Colour
91	5030	5800'	50	48	2		W							✓		B	0.25	✓			✓	BrN
173	31	↓	53	45	2		W							✓		B	0.20	✓			✓	↓
134	32		55	40	5		S							✓		A+C	0.15		✓		✓	
170	33		30	62	8		E							✓		A+C	0.25		✓		✓	
24	34	↓	30	62	8		E							✓		B	0.20	✓			✓	✓

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: GJ

Area (Grid): 151 G.J. 1525m CONTOUR

Collectors: CK

Results Plotted By: C.K

Map: _____ N.T.S.: _____

Date 19/08/90

Sample Number	Sample Location: Line	Sample Location: Elev. Station	Notes	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon Development: Good	Soil Data: Horizon Development: Poor	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Soil Data: Colour
90Y1519	001	1525										✓		B	30	✓		✓		RB
	02											✓		A	40	✓			✓	DB
	03											✓		B	30		✓		✓	DB
	04											✓		B	30	✓		✓		RB
	05											✓		B	30	✓		✓		RB
	06											✓		A	40	✓			✓	DB
	07	1520										✓		B	30		✓			RB
	08	1515										✓		A	30	✓		✓		LB
	09	1520										✓		B	40	✓		✓		LRB
	10											✓		A	40	✓		✓		DB
	11											✓		B	40	✓		✓		DB
	12	1520										✓		A	40	✓		✓		DB
	13	1525										✓		A	40	✓		✓		DB
	14	1525										✓		B	30	✓		✓		DB
	15	1520										✓		B	30	✓		✓		DB
	16	1525										✓		A	40	✓		✓		DB
	17	1520										✓		B	40	✓		✓		DB
	18	1515										✓		A	40	✓		✓		DB
	19	1520										✓		B	40	✓		✓		DB
	20	1520										✓		B	50	✓		✓		GR
	21	1520										✓		A	60	✓		✓		DB
	22	1515										✓		B	40	✓		✓		RB
	23	1520										✓		B	40	✓		✓		RB
	24	1520										✓		B	40	✓		✓		RB
	25											✓		B	30	✓		✓		RB
	26											✓		B	40	✓		✓		RB
	27											✓		B	40	✓		✓		RB
	28	1520										✓		B	40	✓				RB

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: G.J

Area (Grid): 151 1525m

Collectors: CK

Results Plotted By: CK

Map: N.T.S.:

Date 13/08/90

Sample Number	Sample Location		Notes	Topography				Vegetation						Soil Data						
	Line	ELEV. ~~Station~~		Valley Bottom	Direction of slope	Hill Top	Level Ground	Heavily Wooded	Sparsely Wooded	Burnt	Logged	Grassland	Swampy	Horizon Sampled	Depth to Horizon Sample	Horizon Development Good	Horizon Development Poor	Parent Material Drift	Parent Material Bedrock	Colour
90Y151	S 029	1520	60 silt 20 sand 20 org		SW							✓		A	40	✓		✓		DB
	30	1535	70 silt [illegible] 10 [illegible]		SW							✓		A	40	✓		✓		DRB
	31	1525	60 silt 20 sand 10 org 10 [illegible]		SW							✓		B	30	✓		✓		RB
	32	1520	50 silt 30 sand 10 org 10 [illegible]		SW							✓		B	40	✓		✓		DLB

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: GJ — Results Plotted By: CL

Area (Grid): 151 — Map: _____ N.T.S.: _____

Collectors: CL — Date 22/8/90

Sample Number (90CL-151-S-00)	Sample Location: ELEV ~~Line~~	Sample Location: Station	Notes: FIRST SAMPLE TAKEN AT CREEK BANK	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon C of Sample	Soil Data: Horizon Development: Good	Soil Data: Horizon Development: Poor	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Soil Data: Colour
01	1370	0+00	50 SAND 10 SILT 20 ANG FRAGS 10 CLAY 10 GRAVEL		SW							✓		B	20		✓		✓	MB
02		0+50	40 SAND 40 ANG FRAGS 10 SILT 10 ORG		SW							✓		B	15		✓		✓	MB
03		1+00	50 SAND 30 ANG FRAGS 10 ORG 10 SILT		SW							✓		B	20		✓		✓	MB
04		1+50	100 ORGANIC		SW							✓		A	5	✓			✓	BLK
05		2+00	60 SAND 10 SILT 20 ANG FRAGS 10 ORG		SW							✓		B	20	✓			✓	MB
06		2+50	60 SAND 10 SILT 10 GRAVEL 10 ANG FRAG 10 ORG		SW							✓		A	40	✓			✓	MB
07		3+00	60 SAND 20 ANG FRAGS 10 SILT 10 ORG		S							✓		A	50	✓			✓	DB
08		3+50	50 SAND 10 SILT 10 ANG FRAGS 30 ORG		S							✓		A	35	✓			✓	BLK
09		4+00	50 SAND 20 ORG		S							✓		B	40	✓			✓	LB
10		4+50	80 ORG 20 ANGULAR FRAGS		S							✓		A	45	✓			✓	BLK
11		5+00	50 ORG 50 ANG FRAGS		SE							✓		A	50		✓		✓	LB
12		5+50	50 ORGANIC 50 ANGULAR FRAGS		SE							✓		A	10		✓		✓	LB
13		6+00	50 ORGANIC 50 ANGULAR FRAGS		SE							✓		A	10		✓		✓	LB
14		6+50	60 SAND 20 ANG FRAGS 10 SILT 10 ORG		SE							✓		B	20	✓			✓	MB
15		7+00	30 SAND 30 ORG 30 ANG FRAGS 10 SILT		SE							✓		B	30	✓			✓	LB
16		7+50	50 ORGANIC 50 ANG FRAGS		NE							✓		A	10		✓		✓	LB
17		8+00	60 ORGANIC 10 SAND 30 ANGULAR FRAGS		NE			✓						A	15		✓		✓	LB
18		8+50	100 ORGANIC		NE			✓						A	15		✓		✓	BLK
19		9+00	50 ORGANIC 50 ANGULAR FRAGS		S			✓						A	25	✓			✓	BLK
20		9+50	50 ANGULAR FRAGS 50 ORGANIC		S			✓						A	25		✓		✓	DB
21		10+00	50 ORGANIC 50 ANGULAR FRAGS		E			✓						A	10		✓		✓	DB
22		10+50	50 ORGANIC 50 ANGULAR FRAGS		E			✓						A	30		✓		✓	DB
23		11+00	50 ANGULAR FRAGS 50 ORGANIC		NE			✓						A	30	✓			✓	BLK

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: _____ Results Plotted By: _____

Area (Grid): _____ Map: _____ N.T.S.: _____

Collectors: _____ Date _____

Sample Number	Sample Location		Notes	Topography				Vegetation						Soil Data						
	Line	Station		Valley Bottom	Direction of slope	Hill Top	Level Ground	Heavily Wooded	Sparsely Wooded	Burnt	Logged	Grassland	Swampy	Horizon Sampled	Depth to Horizon Sample	Horizon Development: Good	Horizon Development: Poor	Parent Material: Drift	Parent Material: Bedrock	Colour
												✓				✓				
										✓							✓			
																	✓			
												✓				✓				
												✓				✓				
												✓				✓				
												✓				✓				
												✓					✓			
										✓						✓				
												✓					✓			
										✓						✓				
												✓					✓			
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										✓							✓			
												✓					✓			
												✓					✓			
										✓							✓			
										✓							✓			
												✓					✓			
												✓					✓			
												✓					✓			
										✓							✓			

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: # 151 GJ — Results Plotted By: Trevor Shepherd

Area (Grid): — Map: — N.T.S.: —

Collectors: Trevor Shepherd — Date August 1990

Sample Number	Sample Location: Line	Sample Location: Station	Notes	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon Development: Good	Soil Data: Horizon Development: Poor	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Soil Data: Colour
90V151S																				
001	1370	0+00	silt/sand/frag 60/20/20 A		W			✓						A	30		✓		✓	MB
002	1370	0+50	silt/clay/frag 70/10/20 SA		W			✓						B	25	✓			✓	MB
003	[illegible]	[illegible]	[illegible] SA		W			✓						B	20	✓			✓	MB
004	[illegible]	[illegible]	[illegible] 60/[illegible] A		W			✓						B	20	✓			✓	MRB
005	[illegible]	[illegible]	silt/sand/frag 60/20/20 SA		W			✓						B	30	✓			✓	MRB
006	1360	[illegible]	[illegible] A		NW			✓						B	30		✓			MB
007	1370	[illegible]	silt/sand/frag 50/10/40 A		NW			✓						B	30		✓			DB
008	[illegible]	[illegible]	silt/sand/frag 60/20/20 A		W			✓						B	30	✓				LB
009	[illegible]	[illegible]	silt/sand/frag 60/20/20 A		N							✓		B	25	✓				LB
010	[illegible]	[illegible]	silt/sand/frag 60/20/20 A		N							✓		B	20					MRB
[illegible]	[illegible]	[illegible]	silt/sand/frag 50/20/30 A		N							✓		B	30		✓			DB
012	[illegible]	5+50	silt/sand/frag 50/20/30 A		W			✓						B	20	✓				MRB
013	1375	6+00	silt/sand/frag 60/20/20 SA, A		N			✓						B	25	✓				LB
014	1370	6+50	silt/clay/frag 40/30/30 A		N			✓						B	25		✓			MB
015	1375	[illegible]	silt/sand/frag 50/30/20 A		N			✓						B	25	✓				MB
016	[illegible]	7+50	silt/sand/frag [illegible] SA		N			✓						B	25		✓			MB
017	[illegible]	[illegible]	silt/sand/clay/frag 50/[illegible]		N			✓						B	25		✓			DB
[illegible]	[illegible]	8+50	silt/sand/clay 50/20/30		NW			✓						B	[illegible]	✓				MRB
[illegible]	1375	[illegible]	silt/[illegible]/frag [illegible] A		NW							✓		B	30		✓			DG
020	1370	[illegible]	silt/clay/clay/frag 80/10/10 SA		NW			✓						B	25	✓				DG
021	1360	[illegible]	silt/frag/org 70/20/10		NW			✓						B	25	✓				MB
022	1375	[illegible]	silt/clay/frag 60/20/20 SA		NW			✓						B	20	✓				MB
023	1370	[illegible]	silt/clay/frag 60/20/20 SA		NW							✓		B	25	✓				DB
024	1370	[illegible]	silt/clay/frag 60/20/20 SA		NW							✓		B	25	✓				DG
025	1375	[illegible]	[illegible] 50/30/20 SA		NW							✓								
026	[illegible]	[illegible]	silt/[illegible]/frag 50/20/30 SA									✓								
027	1375	[illegible]	[illegible] A					✓												
028	1370	[illegible]	silt/[illegible]/frag/sand 40/20/20/20 SA					✓												
029	1370	[illegible]	silt/sand/[illegible]/frag [illegible] A		↓			✓											✓	

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: #151 GJ

Area (Grid):

Collectors: Trevor [illegible]

Results Plotted By: T.S.

Map: N.T.S.:

Date: [illegible]

90

Sample Number	Sample Location: Line	Sample Location: Station	Notes (A angular, SA subangular)	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample (cm)	Horizon Development: Good	Horizon Development: Poor	Parent Material: Drift	Parent Material: Bedrock	Colour
030	1380	14+50	silt/sand/frag 60/20/20 SA		NW							✓		B	30	✓			✓	MRB
031	1385	15+00	silt/sand/local/frag 30/20/30/20 A		NW							✓		B	20	✓			✓	MB.
032	1380	15+50	silt/org/frag/sand 30/20/20/30 A		NW			✓						B	25	✓			✓	MB
033	1360	[illegible]	silt/sand/local/frag [illegible] A		N			✓						B	25		✓		|	MB.
034	1370	[illegible]	silt/sand/local/frag [illegible] A		N			✓						B	30	✓			|	MB.
035	1380	[illegible]	[illegible] A		N			✓						B	25	✓			|	MRB
036	1370	[illegible]	silt/sand/frag 60/20/20 A		N			✓						B	25	✓			|	MB.
037	1375	[illegible]	[illegible] 80/20 A		N			✓						B	20	✓			|	MB
03[illegible]	1375	17+50	silt/sand/frag 60/20/20 A		N			✓						B	25	✓			|	LB.
03[illegible]	1370	18+00	silt/sand/frag 50/30/20 A		NE			✓						B	25		✓		|	MB.
[illegible]	1375	18+50	silt/sand/frag 60/20/20 A		E			✓						B	25		✓		|	MB.
[illegible]	1370	20+00	silt/sand/frag [illegible] A		E			✓						B	25	✓			|	DRB
[illegible]	1370	[illegible]	silt/sand/frag 60/20/20 A		E			✓						B	20	✓			|	LB.
[illegible]	[illegible]	2[illegible]	silt/sand/frag [illegible] A		E			✓						B	20	✓			|	MRB.
[illegible]	1370	[illegible]	silt/sand/frag 30/40/30 SA		E			✓						B	30	✓			|	MB
[illegible]	[illegible]	[illegible]	silt/sand/frag 60/20/20 A		E			✓						B	40	✓			|	MRB
046	[illegible]	[illegible]	silt/sand/frag 60/20/20 A		E			✓						B	30	✓			|	MRB.
[illegible]	[illegible]	[illegible]	silt/sand/frag [illegible] A		E			✓						B	25	✓			|	MRB.
[illegible]	[illegible]	[illegible]	silt/sand/frag [illegible] SA		E			✓						B	25	✓			|	LRB
[illegible]	[illegible]	24400	silt/frag 20930 A		SE			✓						B	10	[illegible]	[illegible]		|	MRB
[illegible]	[illegible]	24+50	[illegible]/frag 20/80 A		SE			✓							20	[illegible]	[illegible]		|	MB
051	1370	25+00	silt/frag/org 30/50/20 SA		N			✓						B	35	✓			|	MRB
052	1370	25+50	silt/clay/frag 60/20/20 SA		N			✓						B	25	✓			|	MRB
053	1370	26+00	silt/sand/frag [illegible]		N			✓						B	20	✓			|	MB
054	1370	26+50	silt/sand/frag 60/20/20 [illegible]		N			✓						B	[illegible]	✓			|	MRB.
055	[illegible]	27+00	[illegible]		N			✓						B	[illegible]	✓			|	MB
056	[illegible]	[illegible]	[illegible] 50/30/20 A		N			✓						B	[illegible]	✓			|	MRB.
057	1365	28+00	silt/frag 30/70 A		N			✓						B	30	✓			|	MRB
058	1360	28+50	[illegible] frag 20/50 A		N			✓						B	30		✓			[illegible]

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: GJ #151 — Results Plotted By: TS

Area (Grid): — Map: — N.T.S.: —

Collectors: Trevor Stoddart — Date August '90

Sample Number	Sample Location: Flow meters (Line)	Sample Location: meters Station	Notes	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sampled (cm)	Soil Data: Horizon Development Good	Soil Data: Horizon Development Poor	Soil Data: Parent Material Drift	Soil Data: Parent Material Bedrock	Soil Data: Colour
90V1515																				
059	1340	0100	silt/[illegible] A		W			✓						B	35	✓			✓	MB
060	1335	0150	silt/sand/[illegible] 50/20/30 SR		W			✓						B	30	✓			✓	MB
061	1340	1400	silt/sand/[illegible] 30/20/20/30 SR		W			✓						B	25	✓			✓	LB
062	1345	1450	silt/sand/[illegible] 10/20/30 A		W			✓						B	25	✓			✓	LB
[illegible]	1350	2100	silt/clay [illegible] 40/60		W			✓						B	30	✓			✓	LB
[illegible]	1350	2150	silt/sand/[illegible] A		W			✓						B	25	✓			✓	MB
[illegible]	1350	2200	silt/sand/[illegible] A		W			✓						B	25	✓			✓	MB
[illegible]	1340	0400	silt/clayl Gay 50/30/20 SP		S				✓					B	25		✓		✓	DB
[illegible]	13[illegible]	0450	silt/clay/[illegible] 50/30/20 SP SA		S				✓					B	25		✓		✓	DB
[illegible]	[illegible]	0500	silt/clay/[illegible] 50/30/20 SP SA		S				✓					B	25	✓			✓	DB
[illegible]	1400	1450	silt/sand/[illegible] 70/20/10		S				✓					B	25	✓			✓	MB
[illegible]	1425	2100	silt/sand/clay 50/5/15		S				✓					B	25	✓			✓	DB
[illegible]	1425	2150	silt/sand/clay 50/5/15		S				✓					B	25	✓			✓	DB
[illegible]	1425	3400	silt/sand/[illegible] 50/20/30 SA		S				✓					B	20	✓			✓	MB
[illegible]	1430	3450	silt/clay/[illegible] 50/40/10		S				✓					A	35		✓		✓	BB
[illegible]	1430	4400	silt/clay/[illegible] 50/40/10		S						✓			A	35		✓		✓	BB
[illegible]	1430	5150	silt/clay/[illegible] 50/30/20		S						✓			A	40		✓		✓	BB
[illegible]	1440	5200	silt/clay 50/50		S						✓			B	30	✓			✓	MB
[illegible]	1440	5150	silt/clay/[illegible] 50/30/20 SA		S						✓			B	30	✓			✓	MB
[illegible]	1440	6400	silt/clay/[illegible] 50/30/20 SA		S						✓			B	30	✓			✓	MB
[illegible]	1440	6450	silt/clay/[illegible] 50/30/20 A		S						✓			B	30	✓			✓	MB
[illegible]	1440	[illegible]	silt/sand/clay 60/30/10 SA		S						✓			B	25	✓			✓	MB
[illegible]	1440	[illegible]	silt/clay 60/40 A		S						✓			B	20	✓			✓	MB
[illegible]	1440		silt/clay 70/30 A		S						✓			B	30		✓		✓	DB
[illegible]	1440		silt/clay [illegible] 60/40/20 SA		S						✓			B	30	✓			✓	MB
[illegible]	1440		silt/clay [illegible] 50/30/20 A		S						✓			B	25	✓			✓	MB
[illegible]	1430	[illegible]	silt/clay/[illegible] 40/20/40 A		✓						✓			B	30		✓		✓	DB
[illegible]	1430	[illegible]	silt/clay/[illegible] 50/30/20 SP		S						✓			B	25	✓			✓	MB

1RT

KEEWATIN ENGINEERING INC.

SOIL SAMPLES

Project: [illegible] Results Plotted By: T S

Area (Grid): [illegible] Map: [illegible] N.T.S.: [illegible]

Collectors: K[illegible] Date A[illegible] 19[illegible]

Sample Number	Sample Location: Line	Sample Location: Station	Notes	Topography: Valley Bottom	Topography: Direction of slope	Topography: Hill Top	Topography: Level Ground	Vegetation: Heavily Wooded	Vegetation: Sparsely Wooded	Vegetation: Burnt	Vegetation: Logged	Vegetation: Grassland	Vegetation: Swampy	Soil Data: Horizon Sampled	Soil Data: Depth to Horizon Sample	Soil Data: Horizon Development: Good	Soil Data: Horizon Development: Poor	Soil Data: Parent Material: Drift	Soil Data: Parent Material: Bedrock	Soil Data: Colour
[illegible]	3850	[illegible]	SILT 60% SAND 20% CLAY 20%				✓							B	25	✓				LB
[illegible]	3850	[illegible]	SILT 50% CLAY 20% FRAGS 30%											B	35	✓				LB
	3850		SILT 20% CLAY 60% FRAGS 20%											B	20	✓				LB
	3850		ROUNDED+SR FRAGS 20% SILT SAND 20% FRAGS 20%											B	35	✓				MB
191	3850	2+00	SILT 20% CLAY 60% FRAG 20%					✓						B	30	✓			GRAY	MB
192	3850	2+50	SILT 50% CLAY 30% FRAGS 20%					✓						B	20	✓				LB
193	3850	3+00	SILT 40% CLAY 40% FRAGS 20%					✓						B	15	✓				DGRAY
194	3850	3+50	SILT 30% CLAY 50% FRAG 20%					✓						B	55	✓				GRAY
195	3850	4+00	SILT 30% SAND 30% CLAY 20% FRAG 20%					✓						B	30	✓				GRAY
196	3850	4+50	SILT 60% SAND 20% FRAG 20%					✓						B	25	✓				LB
197	1170	5+00	CLAY 50% CLAY 20% FRAG 30%					✓						B	20	✓				GRAY
198	1170	5+50	SAND 60% SR FRAG 20% SILT 20%					✓						B	30	✓				LB
199		[illegible]																		
200	1170	6+00	SR FRAGS 70% SAND 20% CLAY 10%					✓						B	30	✓				MRB
201	1170	6+50	SILT 30% SAND 30% CLAY 20% FRAG 20%					✓						B	20	✓				GRAY
202	1170	7+00	SILT 50% SAND 30% CLAY 10% FRAG 10%					✓						B	20	✓				MRB
203	1170	7+50	SILT 60% SAND 20% ORGANIC 20%					✓						B	30	✓				MRB
204	1170	8+00	SILT 70% ORGANIC 20% FRAG 10%					✓						B	20	✓				MRB
205	1170	8+50	SILT 60% SAND 10% CLAY 20% FRAG 10%					✓						B	30	✓				MB
206	1170	9+00	SILT 60% ORGANIC 30% FRAG 10%					✓						B	35	✓				MB
207	1170	9+50	SILT 80% ORGANIC 10% FRAG 10%					✓						B	30	✓				MRB
208	1170	10+00	SILT 60% CLAY 30% ROCKS 10%					✓						B	30	✓				DBL
209	1170	10+50	SILT 70% SAND 10% FRAG 20%					✓						B	30	✓				DBL
210	1170	11+00	SILT 60% CLAY 20% ORGANIC 20%					✓						B	30	✓				DBL
211	1170	11+50	SILT 50% ORGANIC 50%										✓	B	30		✓			DBL
212	1170	12+00	SILT 50% ORGANIC 50%					✓						B	25	✓				DBL
213	1170	12+50	SILT 50% ORGANIC 40% CLAY 10%					✓						B	30	✓				DBL
214	1170	13+00	SILT 50% CLAY 50%					✓						B	30	✓				BLACK-GR
215	1170	13+50	SILT 70% SAND 10% FRAG 20%											B	35	✓				MRB

G-J PROPERTY

APPENDIX VI

Rock Geochemistry Results

COMP: KEEWATIN ENGINEERING
PROJ: GJ #151
ATTN: R.NICHOLS/D.MEHNER

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: OS-0444-RJ1
DATE: 90/09/11
* ROCK * (ACT:F31)

SAMPLE NUMBER	AU PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM	HG PPB
90M 151 R11201	93	1.2	246	32	30	38	5	5	80
90M 151 R11202	166	1.0	363	71	56	33	3	5	165
90M 151 R11203	182	.3	882	60	218	17	4	6	95
90M 151 R11204	451	1.4	1107	43	683	45	6	8	140
90M 151 R11205	319	1.8	979	77	269	53	7	3	70
90M 151 R11206	534	2.8	1481	44	519	37	8	23	145
90M 151 R11207	92	2.0	415	31	138	29	5	47	195
90M 151 R11208	119	3.1	641	61	302	69	4	60	160
90M 151 R11209	107	3.6	451	67	2898	59	4	26	650
90M 151 R11210	58	1.6	295	38	276	39	3	9	100
90M 151 R11211	49	1.2	210	20	72	37	1	3	65
90M 151 R11212	69	1.0	243	22	158	31	2	2	50
90M 151 R11213	87	2.4	415	41	597	76	4	2	320
90AA-151C-001	23	.6	65	16	32	44	2	4	60
90AA-151C-002	15	.5	67	13	31	33	3	7	65
90AA-151C-003	17	.1	74	16	35	27	1	4	75

90-G01

COMP: KEEWATIN ENGRG.
PROJ: 151
ATTN: R.NICHOLS/D.MEHNER

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 0S-0446-RJ1
DATE: 90/09/13
* ROCK * (ACT:F31)

SAMPLE NUMBER	AU PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM	HG PPB
90AA 151C-004	191	1.2	372	15	35	38	6	10	405
90AA 151C-005	43	.4	39	11	63	33	5	6	55

COMP: KEEWATIN ENGINEERING
PROJ: 151
ATTN: R.NICHOLS/D.MEHNER

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: OS-0571-RJ1
DATE: 90/09/27
* ROCK * (ACT:F31)

SAMPLE NUMBER	AU PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM	HG PPB
90-0-151R-001	96	.9	153	37	170	39	9	12	75
90-0-151R-002	38	.5	127	19	58	1	1	1	135
90-0-151R-003	7	1.8	64	13	112	1	1	1	80
90-0-151R-004	25	.1	75	17	79	1	4	44	165
90-0-151R-005	43	.7	329	19	33	1	1	1	165
90-0-151R-006	52	5.2	655	44	34	65	5	1	90

COMP: KEEWATIN ENGRG.
PROJ: GJ 151
ATTN: R.NICHOLS/D.MEHNER

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: OS-0611-RJ1
DATE: 90/10/09
* ROCK * (ACT:F31)

SAMPLE NUMBER	AU PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM	HG PPB
90 0 151 R007	1	1.5	168	32	44	7	2	2	35

COMP: KEEWATIN ENGRG.
PROJ: 151
ATTN: R.NICHOLS/D.MEHNER

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: OV-1317-RJ3
DATE: 90/09/05
* ROCK * (ACT:F31)

SAMPLE NUMBER	AU PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM	HG PPB
90 DP 151 R001	1	2.7	11	65	139	57	16	22	3000

APPENDIX VII

Rock Sample Descriptions

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

oject: [illegible] 151
ea (Grid): Spike 1 Claim
llectors: D. Penn

Results Plotted By:
Map: NTS:
Date: [illegible] Surface ✓ Underground

SAMPLE NUMBER	LOCATION NOTES	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	UP
[illegible]	[illegible]						✓	[illegible]	[illegible]	
90-AA-151 R-001	4925 ft; 20M SE of HOLE 90-3			2M				CHERT / CHERTY SILTST.	LIGHT GREEN TO BUFF; <1% fract+ diss py BUT very oxidized on fractures; "orange" fractures; rare chalcopyrite	
90-AA-151 R-002	10M south of 90-3			1.2 M				CHERT / cherty siltst.	As above but 1% veinlet pyrite;	
90-AA-151 R-003	4938 ft; Gully Below hole 71-13;		X					siltstone; andesitic siltstone;	random chips over 2M interval; orange limonite on fractures; <<1% Pyrite.	
90-AA-151 R-004	1424M · 20-25 M north of Hole 71-9 & 30 M Below it.			1.75 M				cherty siltstone	2% diss Py; <1% pyrite on fractures & rare fracture Malachite & Azurite.	
90-AA-151 R-005	Main Groat Creek where 1989 sample yielded 2660 ppb Au			1M				siliceous siltstone	≤1% fracture pyrite;	

KEEWATIN ENGINEERING INC.

ROCK SAMPLES

ject: GJ-ASCOT (#151)
a (Grid): WEST OF CORE SHACK
lectors: JASON MILLER

Results Plotted By: JASON MILLER
Map: NTS:
Date: SEPTEMBER, 1990 Surface ✓ Underground

SAMPLE NUMBER	LOCATION NOTES	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	Cu PPM
90-0-151R-001	At soil hole number 90-JT-151S-014. Angular talus in hole ELEV. 5120'		✓					Silicified siltstone	Representative grab of angular material in soil hole to test geochem anomaly.	
90-0-151R-002	Below 90-JT-151S-014 ELEV. 5110'		✓					granodiorite to diorite	Representative grab of talus = granodiorite to diorite with ≥4% disseminated pyrite	
90-0-151R-003	20 m south of R-002 ELEV. 5110'		✓					Black diorite	Rep. grab of o/c. Black, magnetic, porphyritic, equigranular, medium grained diorite with trace pyrite as grains (≤0.3%)	
90-0-151R-004	20 m west of R-002 (upsloped). o/c. ELEV 5120'		✓					silicified siltstone	Rep. grab of rusty o/c. Silicified, siltstone (ave. laminae = 10cm). 4-5% fracture fill pyrite (mostly altered to limonite)	
90-0-151R-005	near soil 90-JT-151S-016 ELEV. 5130'		✓					granodiorite to diorite as R-002	R-002 diorite, found in o/c with ≥ 3% disseminated pyrite and fracture fill. o/c	
90-0-151R-006	head of creek above R-005 ELEV 5200'						✓	granodiorite to diorite as above	As R-002 with abundant limonite and ≥ 10% disseminated pyrite. FLOAT. Source is buried @ plateau top.	
90-0-151R-007	10 m south of soil 90-JT-151S-041 ELEV. 5070'		✓					monzodiorite	Medium grained monzodiorite with trace (≤0.5%) Cpy finely disseminated interstitial blebs. Representative grab.	

APPENDIX VIII

Silt Geochemistry Results

COMP: KEEWATIN ENGRG.
PROJ: 151
ATTN: R.NICHOLS/D.MEHNER

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: OS-0446-SJ4
DATE: 90/09/11
* SILT * (ACT:F31)

SAMPLE NUMBER	AU PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM	HG PPB
90 DP 151L-003	1	1.4	79	34	118	16	7	2	165

COMP: KEEWATIN ENGINEERING
PROJ: 151
ATTN: R.NICHOLS/D.MEHNER

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 0V-1392-LJ1
DATE: 90/09/07
* SILT * (ACT:)

SAMPLE NUMBER	AU PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM	HG PPB
90 DP 151 L001	4	.8	44	24	97	47	1	1	120
90 DP 151 L002	2	.7	66	24	116	45	1	5	220
90V 151 L001	1	.6	79	28	82	79	1	3	170

APPENDIX IX

Silt Sample Descriptions

KEEWATIN ENGINEERING INC.

STREAM SEDIMENTS

Project: Grid

Area (Grid): Spike 1 & 2 Claim

Collectors: D. FERRETT

Results Plotted By: D. FERRETT

Map: _____ N.T.S.: _____

Date: 9/18/90

Sample Number	NOTES	SEDIMENT DATA					STREAM DATA					SPRING	DRY GULLY				
		Gravel	Sand	Silt	Clay	Organic	Bank	Active	Width	Depth	Velocity			Cu	Mo	Co	As
ROP151			~~75~~	~~25~~%										ppm	118	ppm	ppm
L001	Small Creek at Source (Spike 1)		75	25%				✓	1	.3				44	4	.8	47
L002	Creek draining E end of Grid (Spike 2)		75	25%				✓	2	.4				66	2	.7	45
L003	"													79	1	1.4	16

KEEWATIN ENGINEERING INC.

STREAM SEDIMENTS

Project: #151 GJ (TAT). Results Plotted By: T.S.

Area (Grid): Map: N.T.S.:

Collectors: Trevor Sheppard Date: August 1990.

Sample Number	NOTES	SEDIMENT DATA					STREAM DATA					SPRING	DRY GULLY
		Gravel	Sand	Silt	Clay	Organic	Bank	Active	Width	Depth	Velocity		
90V1511-001	Elev 1440 m. taken 10m west of 90V1515-076. South of Grout creek.		50	50				✓	20m	1m	low	✓	

APPENDIX X

Geophysical Report, Induced Polarization and Magnetometer Surveys GJ Property, Dease Lake Area, B.C. by A. Scott

GEOPHYSICAL REPORT

INDUCED POLARIZATION AND MAGNETOMETER SURVEYS

GJ PROPERTY

DEASE LAKE AREA, BRITISH COLUMBIA

on behalf of

KEEWATIN ENGINEERING INC.
800 - 900 West Hastings Street
Vancouver, B.C. V6C 1E5

Field work completed: July 22-28, August 18, 1990

by

Alan Scott, Geophysicist
SCOTT GEOPHYSICS LTD.
4013 West 14th Avenue
Vancouver, B.C. V6R 2X3

December 18, 1990

TABLE OF CONTENTS

1. INTRODUCTION

Induced polarization and magnetometer surveys were conducted over portions of the GJ Property, Dease Lake Area, B.C., within the period July 22-28 and on August 18, 1990. The work was conducted by Scott Geophysics Ltd. on behalf of Keewatin Engineering Inc.

The pole dipole electrode array was used on the induced polarization survey, with "a" spacings of 25 and 75 meters, and "n" separations of 1 and 2. The current electrode was to the north of the receiving electrodes on all north/south survey lines, and to the east of the receiving electrodes on the east/west survey line.

Total field magnetometer readings were taken at 25 meter intervals.

This report describes the instrumentation and procedures, and presents the results of the surveys.

2. CLAIMS LOCATION AND ACCESS

The GJ Property is located some 80 kms south of Dease Lake, B.C. Access to the survey area was by helicopter from a camp established by Keewatin.

3. SURVEY GRID AND SURVEY COVERAGE

A total of 20.7 line kilometers of induced polarization survey and 19.3 line kilometers of magnetometer survey were completed on the GJ Property. The grid lines were established concurrently with the induced polarization survey. Details of lines surveyed are given in the production report.

4. PERSONNEL

Jim Hawkins, geophysicist, was the party chief on the survey. Dave Mehner, geologist, was the Keewatin representative for the survey.

5. INSTRUMENTATION AND PROCEDURES

A Scintrex IPR11 time domain, microprocessor based receiver, and a Scintrex 2.5 kw IPC7 transmitter were used for the induced polarization survey. Readings were taken using a 2 second alternating square wave. The chargeability for the eighth slice (690 to 1050 milliseconds after shutoff; midpoint at 870 milliseconds) is the value that has been plotted on the accompanying plans and pseudosections.

The array used for this survey is a variation of the pole dipole array, using "a" spacings of 25 and 75 meters at "n" separations of 1 and 2. The array is designed to provide rapid coverage on widely spaced lines, with the objective of detecting large scale features that may merit more detailed followup. On the GJ Property, the line spacing was relatively close, but the array was used in any event as the exploration target is a large porphyry system, and the array is somewhat more efficient than standard pole dipole.

Two EDA OMNI total field proton precession magnetometers were used for the magnetometer survey. One unit was used as a fixed base station, cycling at 15 second intervals, and the other as the survey unit. Readings were taken concurrently with the induced polarization survey, during moves between stations. A noise envelope of less than plus/minus 10 gammas could be present for any readings that may have been taken when the transmitter was on.

The survey data was archived, processed, and plotted using a Toshiba T1200 microcomputer running Scintrex Soft II and proprietary software.

6. DISCUSSION OF RESULTS

The chargeability and resistivity results are presented in standard pseudosection form, and as contour plans for the a=75/n=1 values on the accompanying maps.

Chargeability highs detected on the survey have been defined on the accompanying pseudosections and plan maps as follows:

- strong chargeability high
- moderate chargeability high
- weak chargeability high
- weak, poorly defined, chargeability high

The magnetometer survey results are contoured at a 500 gamma contour interval on the accompanying plan map. No useable magnetometer data was collected for lines 1840E and 1960E.

Chargeability highs detected on the survey have been grouped into four general areas as outlined by the heavy dashed lines on the plan maps. They are labelled as areas A to D.

Area A, which is open to the southwest, contains weak to strong chargeability responses that tend to be associated with relatively high resistivity. A magnetic high lies along, and occasionally within, the north flank of area A.

Areas B and C contain weak to strong chargeability highs that tend to be associated with relatively low resistivity. Except for on line 260W, they lie within a region of relatively low magnetic field strength.

Area D, at the north end of lines 880E and 1000E, is associated with relatively high resistivity and lies within a region of relatively high magnetic field strength.

6. RECOMMENDATIONS

The induced polarization survey on the GJ Property detected large areas exhibiting weak, moderate, and strong chargeability response, which have been defined on the pseudosections and plan maps accompanying this report. The overall response is consistant with that of a large sulphide system, and further work to determine the source of these chargeability highs is warranted.

Correlation of these results to geochemical and geological information is required to define specific sites for testing by trenching and/or diamond drilling. Any chargeability highs that do not have their strongest response at the a=25/n=1 reading, may have too much cover to allow testing by trenching.

Respectfully Submitted,

Alan Scott, Geophysicist

SCOTT GEOPHYSICS LTD.
4013 West 14th Avenue
Vancouver, B.C. V6R 2X3
(604) 228 0237

GEOPHYSICAL SURVEY PRODUCTION REPORT page___of___

IPR11 Survey: pole dipole array a=25 and 75, n=1 and 2

Project No.: 9031 Client: KEEWATIN ENG. INC. Area: GJ, DEASE LAKE, B.C.

Date	Lines surveyed and comments	Production
Sun July 22	IP/mag L1000E/0-1600S	3125 meters IP
	L880E/0-1525S	3125 meters mag
Mon July 23	IP/mag L760E/0-1525S	2575 meters IP
	L640E/0-1050S	2575 meters mag
Tues July 24	IP/mag L1120E/375S-1850S	2025 meters IP
	L1600E/375S-925S	2025 meters mag
Wed July 25	IP/mag L1600E/925S-1475S	2025 meters IP
	IP L1840E/375S-1425S	625 meters mag
	IP L1960E/375S-800S	
Thurs July 26	IP/mag L1240E/375S-1800S	2700 meters IP
	L1360E/375S-1650S	2700 meters mag
Fri July 27	IP/mag L1480E/375S-975S	2950 meters IP
	L1720E/375S-1425S	2950 meters mag
	L520E/0-1300S	
Sat July 28	IP/mag L400E/0-1175S	2475 meters IP
	L280E/0-1300S	2475 meters mag
Sat Aug 18	IP/mag L600S/400E-1100W	2775 meters IP
	L260W/0-1275S	2775 meters mag
	Totals	20650 meters IP
		19250 meters mag

Remarks:

Personnel:	S	M	T	W	T	F	S	S
Jim Hawkins	r	r	r	r	r	r	r	r
Scott Benson	t	c	t	c	t	c	t	c
Scott Bainbridge	c	t	c	t	c	t	c	_
Mitch Davies								t
Keewatin Personnel:								
James Tashoots	p	p	p	p	p	p	p	p
Kurt Kauss	p	p	p	p	p	p	p	_
Newton Carlick								p

r = receiver t = transmitter
p = pots c = current
s = standby m = mob/demob
d = data proc.

Signed: _____ Date: Dec 18/90

Statement of Qualifications

for

Alan Scott, Geophysicist

of

4013 West 14th Avenue
Vancouver, B.C. V6R 2X3

I, Alan Scott, hereby certify the following statements regarding my qualifications and involvement in the program of work described in this report.

1. The work was performed by individuals sufficiently trained and qualified for its performance.

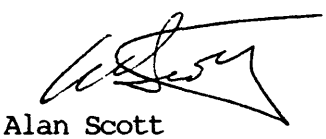
2. I own no interest in the property under consideration in this report, nor in the company on whose behalf this report has been written.

3. I graduated from the University of British Columbia with a Bachelor of Science degree (Geophysics) in 1970, and with a Master of Business Administration degree in 1982.

4. I am a member of the B.C. Geophysical Society and of the Society of Exploration Geophysicists.

5. I have been praticing my profession as a Geophysicist in the field of Mineral Exploration since 1970.

Respectfully submitted,



Alan Scott

APPENDIX XI

GJ Property Diamond Drill Logs

LOCATION: KLASTINE PLATEAU 104G-9E
130°14'W 57°39'N

DRILL HOLE LOG

HOLE NO. DDH-90-G01

AZIM: 000
DIP: -45°

ELEV: 1514.86m/4970 (ft)
LENGTH: 178.92m (587 ft)

CORE SIZE: BGM

DIP TEST

METREAGE	AZIMUTH	INCLINATION	CORR. INCLIN.
93.57	000°		-44.5°
178.92	000°		-41.5°

PROPERTY: ASCOT GJ (INTERNATIONAL CURATOR OPTION)

CLAIM NO: GJ
SECTION: L14E/9+00S

STARTED: August 28, 1990
COMPLETED: August 30, 1990
PURPOSE: Drill section through I.P. anomaly and west of Cu-Au bedrock geochem high

LOGGED BY: Jason Miller
DATE LOGGED: August 28, 1990
DRILLING CO: FALCON DRILLING
ASSAYED BY: MIN-EN LABS

CORE RECOVERY: 91%

METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ASSAYS Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)	As (ppm)
0.00	3.70	Casing										
3.70	5.45	Grey chert, crackled ≤1% plagioclase veining. ≤1% fracture pyrite; fracture limonite common. Brecciated towards base of interval.	GJ11201	3.70	6.00	2.30	246	32	30	1.2	93	38
5.45	13.92	Brecciated; 80% sand; fault zone; intense orange limonite; 10% clay; 10% brecciated grey chert with 1% fracture pyrite.	GJ11202	6.00	9.00	3.00	363	71	56	1.0	166	33
			GJ11203	9.00	12.00	3.00	882	60	218	0.3	182	17
			GJ11204	12.00	15.00	3.00	1107	43	683	1.4	451	45
13.92	17.10	Pervasive clay altered diorite (?); 4 - 5% disseminated pyrite after mafics; limonite stained fractures; brecciated. Plagioclase - quartz and pyrite (15%). Veining @ 15.2 - 15.45m. Mineralized foliation @ 25° to Core Axis; (pyrite veining).	GJ11205	15.00	18.00	3.00	979	77	269	1.8	319	53
17.10	18.48	Brecciated grey chert; contact with intrusive is clay gouge and @ 25° to Core Axis; quartz-plagioclase veining throughout interval; approximately 4 - 5% pyrite as disseminations and veins. Limonite stained fractures. Trace disseminated malachite in clay altered zone 17.10 - 17.60m. Dark mineral in matrix is hematite (red streak).										
18.48	19.95	Clay altered diorite (as above); pinkish hue locally (Kfeldspar). Limonite staining and minor disseminated malachite along fractures (limonite is pervasive adjacent to fractures). 3 - 4% pyrite occurs mostly as veinlets with plagioclase selvages, but also disseminated after mafics. Pyrite veining along foliation (18.48 - 18.58m) @ 53° to Core Axis.	GJ11206	18.00	21.00	3.00	1481	44	519	2.8	534	37

DRILL HOLE LOG

HOLE NO. DDH-90-G01 | PAGE 2 OF 9

METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ASSAYS Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)	As (ppm)
19.95	25.00	Clay altered siltstones with plagioclase/Kfeldspar veining. Bedding is 25° - 32° to Core Axis. Some laminae are pink (Kfeldspar altered?) and some are white (clay altered). Approximately 2 - 3% chalcopyrite/pyrite occur with a pink dolomite vein (selvages) @ 24.0m. Approximately 2 - 3% pyrite occurs throughout interval as fine disseminations and veinlets. Light olive green clay (23.00 - 23.90m) = sericite (?). NOTE: Tops are Up (sst ball and pillow into siltstone).	GJ11207	21.00	24.00	3.00	415	31	138	2.0	92	29
25.00	25.20	Clay altered diorite dyke. Mafics have altered to hematite and pyrite. Felsic grains have been altered to sericite. Approximatel y 2% pyrite occurs after mafics mostly, but also as veinlets. Dolomite vein @ 18° to Core Axis (barren).										
25.20	52.50	Grey chert. Sericite alteration (25.20 - 25.40m) at contact with intrusive. Pink dolomite veins (1.0cm wide X 2) with approximately 5% chalcopyrite and approximately 7% pyrite occurring in the selvages and disseminated internally. Veins are 70° to Core Axis. Generally either mottled, bedded or brecciated. Very siliceous. Limonite stained fractures. 2% pyrite throughout. 27.3m = dolomite veins @ 52° to Core Axis. Minor pyrite 28.00-28.20m = dolomite vein (3mm wide) with 6% pyrite over this interval with hematite (cubic) 29.50-29.60m = open space dolomite vein. Trace malachite along fracture 30.10-30.30m = bedding @ 20° to Core Axis. Pyrite veinlets along it with dolomite selvages. Clay altered laminae 30.30-30.50m = dolomite breccia. Trace pyrite 33.50m = 2mm wide Kfeldspar vein @ 15° to Core Axis with dark envelopes 33.50-41.80m = abundant Kfeldspar veining with associated green clay (fuchsite? mariposite?). Fine pyrite veinlets cross cut Kfeldspar veins (approximately 3 - 4% pyrite) 36.60m = dolomite vein (1cm) @ 70° to Core Axis, banded, but barren 42.0m = dolomite/pyrite/chalcopyrite vein @ 53° to Core Axis 2cm wide. Minor chalcopyrite; 5% pyrite. Still limonite stained joint	GJ11208	24.00	27.00	3.00	641	61	302	3.1	119	69
			GJ11209	27.00	30.00	3.00	451	67	2898	3.6	107	59
			GJ11210	30.00	33.00	3.00	295	38	276	1.6	58	39
			GJ11211	33.00	36.00	3.00	210	20	72	1.2	49	37
			GJ11212	36.00	39.00	3.00	243	22	158	1.0	69	31
			GJ11213	39.00	42.00	3.00	415	41	597	2.4	87	76
			GJ11214	42.00	45.00	3.00	336	5439	63	0.9	44	43
			GJ11215	45.00	48.00	3.00	322	4534	38	0.3	53	31
			GJ11216	48.00	51.00	3.00	337	24	22	0.1	75	1

DRILL HOLE LOG

HOLE NO. DDH-90-G01 | PAGE 3 OF 9

METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ASSAYS Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)	As (ppm)
25.20	52.50 Cont.	45.10m = clay/Kfeldspar shear (0.5cm) @ 10° to Core Axis. Quartz/pyrite veinlet cross cuts @ 29° to Core Axis. Rock adjacent to these shears is pervasively Kfeldspar altered. 45.30m = clay/Kfeldspar shear @ 15° to Core Axis (1cm) 46.30m = clay/Kfeldspar shear @ 8° to Core Axis (2cm wide) 49.30m = clay/Kfeldspar shear @ 8° to Core Axis (4mm wide) 49.70m = quartz/pyrite veinlet @ 30° to Core Axis (2mm wide) 50.70m = clay shear @ 41° to Core Axis 51.88-52.00m = dolomite breccia with minor disseminated pyrite										
52.50	60.58	Intrusive breccia and grey chert with small intrusive dykes (≤1cm) along shears (57.00 - 60.58M). Grey chert is brecciated from 52.50m to 53.90m with an intrusive (diorite) matrix which is brown (clay and chlorite alteration). Approximately 1 - 2% pyrite occurs as fine veinlets and disseminations, only in the chert fragments throughout the interval (52.50 - 60.58m). 54.20m = clay/pyrite shear (minor pyrite) @ 20° to Core Axis. Intrusive dykelets along same orientation (≤1cm wide) 54.50m = pyrite veinlet with quartz selvages (2mm wide) @ 16° to Core Axis 54.55-55.15m = Brecciated grey chert with intrusive matrix. Chloritized mafics and clay altered felsics (flesh-coloured). 2 phases of pyrite:dolomite vein @ 54.60m and 45° to Core Axis has disseminated pyrite and cross cuts pyrite veinlets (approximately 2% of total) ± quartz selvages 55.20m = 3cm wide dolomite vein with dark grey clay gouge and approximately 5 - 6% disseminated and blebby pyrite 55.20-60.58m = clay altered intrusive along shears (≤1cm wide) with minor brecciation. Dolomite/pyrite and quartz/pyrite veins occur as follows: 57.95m = dolomite vein @ 36° to Core Axis 58.15m = dolomite/quartz/pyrite vein @ 42° to Core Axis	GJ11217 GJ11218 GJ11219 GJ11220	51.00 54.00 57.00 60.00	54.00 57.00 60.00 63.00	3.00 3.00 3.00 3.00	202 411 318 681	10 31 15 15	24 52 13 16	0.3 0.9 0.4 0.7	46 268 71 98	15 85 14 47

DRILL HOLE LOG

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METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ASSAYS Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)	As (ppm)
52.50	60.58 Cont.	59.00m = quartz/dolomite/pyrite vein @ 27° to Core Axis which cross cuts a 35° to Core Axis clay foliation 59.25m = dolomite/pyrite vein (2 - 3mm wide) @ 23° to Core Axis cross cuts a 49° to Core Axis clay foliation 59.60-59.90m = a pyrite/dolomite vein (6mm wide) is approximately 80% disseminated pyrite and occurs 7° to Core Axis 59.95m = clay foliation @ 34° to Core Axis										
60.58	64.80	Grey silicified siltstone (quartzite). Displays a very mottled texture. Contains approximately 2 - 3% pyrite which occurs predominantly as veinlets ± quartz selvages. Later barren dolomite veins cross cut these. Pyrite ± quartz veinlets. The pyrite ± quartz veinlets cross cut another phase of pyrite veinlets which occur along bedding. The dolomite ± calcite veins cross cut bedding as well. Structural measurements are as follows: 62.10m = bedding at 8° to Core Axis 63.20m = quartz/pyrite (2mm wide) veinlet at 42° to Core Axis 64.20m = a dolomite vein at 37° to Core Axis (2mm wide) cross cuts and displaces a quartz/pyrite veinlet (3mm wide) which is @ 79° to Core Axis 60.90m = dolomite vein at 45° to Core Axis (2 - 3mm wide)	GJ11221	63.00	66.00	3.00	488	20	17	0.9	79	33
64.80	70.40	Clay altered diorite (?) brecciating the quartzite (INTRUSIVE BRECCIA (?)). Clay altered intrusive dyke from 65.60-65.70m. Intrusive matrix is altered to clay (±sericite) and chlorite (mafics) except where sheared, then the mafics have altered to a soft brown mineral (clay + hematite?). Dolomite brecciates to quartzite as well locally. Dolomite veins cross cut all shearing and other veining. Structural measurements are as follows: 66.50m = dolomite/calcite vein (barren) is 3mm wide @ 38° to Core Axis 69.60m = quartz/pyrite veinlet (2mm) @ 65° to Core Axis. Overall approximately 2% pyrite occurs as dissemination and veinlets	GJ11222	66.00	69.00	3.00	390	18	22	1.3	56	32

DRILL HOLE LOG

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METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ASSAYS Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)	As (ppm)
70.40	77.15	Quartzite (siliceous/siltstone). Alteration minerals include clay, brown, grey (?), sericite, chlorite, quartz (chert). Pyrite veinlets occur along bedding. Dolomite veins (barren) cross cut all other veining and bedding. Minor clay altered intrusive bands along bedding. Approximately 2% pyrite overall as veinlets predominantly (some dissemination). Structure as follows: 70.50m = pyrite veinlet (1mm wide) cross cut by dolomite vein (2mm wide). Pyrite @ 17° to Core Axis; dolomite @ 30° 70.80m = dolomite/calcite vein (3 - 4mm wide) @ 32° to Core Axis 71.25-71.85m = small quartz/pyrite stockwork @ 20°/45° to Core Axis, etc. Average width = 2 - 3mm 72.10m = dolomite vein @ 26° to Core Axis (barren) 72.60m = pyrite veinlet (1mm wide) @ 22° to Core Axis 73.40m = quartz/dolomite/pyrite (approximately 5% pyrite) vein is 4 - 8mm wide and is @ 28° to Core Axis along foliation 73.70m = bedding @ 42° to Core Axis 74.40m = bedding @ 29° to Core Axis 75.20m = pyrite veinlet along foliation @ 38° to Core Axis 75.30m = dolomite vein (3mm wide) cross cuts pyrite veinlets. It is 24° to Core Axis 76.55m = bedding 40° to Core Axis 77.00m = bedding 40° to Core Axis (hematite, green clay chlorite)	GJ11223 GJ11224 GJ11225	69.00 72.00 75.00	72.00 75.00 78.00	3.00 3.00 3.00	484 537 518	16 20 21	21 39 29	1.1 0.7 1.0	64 77 73	13 31 9
77.15	81.50 N O T E : oxid/reduct interface	Grey chert; crackled; minor brecciation locally with clay altered intrusive or dolomite (77.70 - 78.12m). No limonite staining below 81.80. Oxidation/reduction interface. Approximately 1 - 2% pyrite occurs as blebs,but more commonly as veinlets (≤1mm wide).	GJ11226	78.00	81.00	3.00	398	19	9	1.0	18	9

DRILL HOLE LOG

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METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ASSAYS Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)	As (ppm)
81.50	90.25	Diorite dyke. Moderate sericitic alteration with minor to moderate Kfeldspar alteration (81.50 - 85.00m). Intense Kfeldspar alteration (85.00 - 86.95m). Intense biotite alteration, magnetite, ± chlorite (86.95 - 97.77m). Clay altered with mafics → biotite and felsics to sericite (87.77 - 90.25m). Quartz veins occur with pyrite veinlet cores; these are cross cut by dolomite veins (barren). Structural measurements are as follows (average = approximately 3% pyrite disseminated and veins): 82.50m = dolomite vein (2 - 3mm) @ 36o to Core Axis 83.90-84.00m = quartz/dolomite/pyrite vein (10cm wide) with approximately 5% blebby pyrite occurs @ 35° to Core Axis 85.05m = dolomite vein @ 75° to Core Axis (2mm) cross cuts a 2mm wide quartz/pyrite vein @ 36° to Core Axis 86.70m = a 3mm dolomite/chlorite vein @ 47° to Core Axis 87.77m = 5 - 6mm wide quartz veins with pyrite veinlet cores @ 20° to 38° to Core Axis 88.84m = dolomite vein (3mm) @ 50° to Core Axis 89.55m = pink dolomite vein (1cm) @ 42° to Core Axis	GJ11227 GJ11228 GJ11229	81.00 84.00 87.00	84.00 87.00 90.00	3.00 3.00 3.00	1535 1276 2456	22 19 12	16 22 27	1.3 1.3 2.0	352 288 590	14 1 6
90.25	100.65	Grey chert, mottled. Some potassic altered zones (Kfeldspar, biotite). Moderate Kfeldspar alteration (90.25 - 96.15m) and intense to moderate biotitic alteration (96.15 - 100.65m). Quartz/pyrite veins are cross cut again by dolomite veins (barren). Approximately 5% pyrite occurs throughout the interval mostly as veinlets but also as disseminations. Structural measurements are as follows: 91.75m = quartz/pyrite vein (4mm) @ 37° to Core Axis 92.20m = dolomite vein (1cm) @ 22° to Core Axis 92.55m = quartz/dolomite/pyrite vein (6mm) @ 14° to Core Axis 98.25m = dolomite vein (2mm) @ 39° to Core Axis 98.70m = bedding @ 14° t Core Axis	GJ11230 GJ11231 GJ11232 GJ11233	90.00 93.00 96.00 99.00	93.00 96.00 99.00 102.00	3.00 3.00 3.00 3.00	1049 834 965 807	27 29 24 17	37 93 45 33	1.2 1.3 1.4 1.5	190 136 204 133	29 58 75 30

DRILL HOLE LOG

HOLE NO. DDH-90-G01 | PAGE 7 OF 9

METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ASSAYS Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)	As (ppm)
100.65	108.00	FAULT ZONE = abundant clay gouge. Grey chert fragments brecciated by dolomite from 101.75 to 102.62m and 104.00 to 106.30m. Intrusive fragment (?) or dyke (?) from 107.20 to 107.67m. Chalcopyrite approximately 1.0% (0.3% copper) from 104.00 - 106.30m. Abundant grey clay (sulphide rich pyrite?) and local green clay (fuchsite? maripozite?) from 106.30m to 107.15m (approximately 8 - 10% pyrite). Also grey clay from 100.65 - 101.30m. Fault is @ 54° to Core Axis at the beginning of the interval. Fault is 52° to Core Axis @ 112.80m and 48° to Core Axis @ end of interval (108.00m)	GJ11234	102.00	105.00	3.00	3957	21	25	3.4	865	26
			GJ11235	105.00	108.00	3.00	3409	20	38	3.6	958	15
108.00	128.40	Grey and pink silicified siltstone (quartzite). Approximately 2% pyrite as veinlets, minor disseminated. Crackle breccia with dolomite from 108.00m to 108.83m. Some laminae altered by Kfeldspar; mottled (108.83 - 111.55m) = intense Kfeldspar alteration. Minor Kfeldspar alteration from 111.55 - 114.65m. Fault breccia from 113.73m to 114.00m. Bedded with moderate to intense Kfeldspar alteration (114.00 - 120.40m) Mottled grey and pink chert with low to moderate potassic alteration (Kfeldspar, biotite). Dolomite veins cross cut quartz/pyrite veining again. Structural measurements as follows: 109.15m = bedding (Kfeldspar bands) @ 39° to Core Axis 111.00m = bedding (Kfeldspar bands) @ 52° to Core Axis 112.50m = dolomite veins (≤1mm) @ 69° to Core Axis 115.50m = bedding @ 30° to Core Axis 116.90m = bedding (Kfeldspar bands) @ 37° to Core Axis 119.50m = Kfeldspar bands @ 54° to Core Axis 120.70m = bedding @ 46° to Core Axis 125.40m = bedding @ 36° to Core Axis 126.10m = dolomite vein along foliation @ 40° to Core Axis 126.80m = bedding @ 45° to Core Axis 128.30m = dolomite veinlet with 4mm wide Kfeldspar selvages (1cm total) @ 41° to Core Axis	GJ11236	108.00	111.00	3.00	751	15	36	1.1	95	35
			GJ11237	111.00	114.00	3.00	528	13	19	1.1	30	67
			GJ11238	114.00	117.00	3.00	636	17	48	0.7	43	64
			GJ11239	117.00	120.00	3.00	684	22	93	1.8	38	41
			GJ11240	120.00	123.00	3.00	1029	29	55	3.0	67	66
			GJ11241	123.00	126.00	3.00	1024	19	26	1.5	71	49
			GJ11212	126.00	129.00	3.00	731	22	37	1.0	26	59

DRILL HOLE LOG

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METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ASSAYS Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)	As (ppm)
128.40	129.90	DIORITE DYKE with Kfeldspar alteration. Mostly primary Kfeldspar. Approximately 0.5 - 1.0% chalcopyrite occurs in quartz veinlets @ 40° to Core Axis (128.80m). Minor chlorite altered fragments. Upper contact @ 56° to Core Axis. Lower contact @ 42° to Core Axis. Approximately 2% pyrite occurs as blebs and veinlets.										
129.90	178.96 EOH	Grey quartzite; mottled Kfeldspar bands (after beds). Varying degrees of potassic alteration (Kfeldspar, biotite).	GJ11243	129.00	132.00	3.00	907	24	28	1.6	92	131
		129.90-136.48m = Kfeldspar bands along bedding @ 55° to Core Axis. @ 134.00m Pyrite vein (3mm wide) @ 75° to Core Axis occurs @ 132.00m and 134.40m. Another pyrite/dolomite vein (5mm) @ 82° to Core Axis. @ 136.00m approximately 2 - 3% pyrite mostly as veins and blebs; minor dissemination throughout, 129.90 - 136.48m	GJ11244	132.00	135.00	3.00	509	52	39	1.6	72	63
			GJ11245	135.00	138.00	3.00	681	19	37	1.5	65	29
			GJ11246	138.00	141.00	3.00	1388	22	38	2.8	79	38
			GJ11247	141.00	144.00	3.00	792	18	33	1.5	37	39
			GJ11248	144.00	147.00	3.00	986	15	44	0.8	68	22
			GJ11249	147.00	150.00	3.00	1014	18	24	0.8	60	10
			GJ11250	150.00	153.00	3.00	823	21	87	1.0	37	15
			GJ11251	153.00	156.00	3.00	889	18	43	1.2	107	28
			GJ11252	156.00	159.00	3.00	354	18	28	0.5	32	21
		136.48-136.70m = Intense Kfeldspar alteration along bands of varying orientations (approximately 45° to Core Axis). Approximately 3% pyrite, disseminated	GJ11253	159.00	162.00	3.00	482	16	24	1.1	85	31
			GJ11254	162.00	165.00	3.00	537	15	30	1.1	73	44
			GJ11255	165.00	168.00	3.00	697	19	27	1.1	101	37
			GJ11256	168.00	171.00	3.00	379	17	30	0.7	39	29
		136.70-144.10m = grey chert; minor bedding approximately 2% pyrite as fine disseminations and veinlets. 138.30 - 138.45m = dolomite brecciation. 141.10m = dolomite pyrite vein (4mm wide). Quartz/pyrite veinlet (1mm) at 77° to Core Axis @ 141.75m. 142.40 - 142.55m = dolomite breccia with chlorite. 143.40m = dolomite/chlorite vein @ 46° to Core Axis	GJ11257	171.00	174.00	3.00	541	11	36	1.1	77	25
			GJ11258	174.00	177.00	3.00	255	14	38	0.8	36	30
			GJ11259	177.00	178.96 EOH	1.96	165	11	48	0.4	18	1
		144.10-149.10m = Abundant Kfeldspar alteration bands. Approximately 1 - 2% pyrite as veinlets and disseminations. Dolomite vein @ 12° to Core Axis @ 147.00m (5mm wide). Quartz/pyrite vein (1mm wide) @ 15° to Core Axis @ 148.50m										
		149.10-153.35m = grey chert; slightly mottled by minor Kfeldspar bands. 3cm wide clay zone (sericite + green clay (maripozite? fuchsite?) @ 152.00m. ≤1% pyrite.										

DRILL HOLE LOG

HOLE NO. DDH-90-G01 | PAGE 9 OF 9

METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ASSAYS Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)	As (ppm)
129.90	178.96 EOH Cont.	152.85-153.00m = dolomite breccia with dark bands of graphite (?) and minor pyrite veinlets (70° to Core Axis) 153.00-178.92m = low to moderate Kfeldspar alteration; moderate to intense biotite alteration (or carbon ?) producing a mottled grey/black chert. Some chlorite is associated with the biotite. Approximately 1% pyrite occurs disseminated and as veinlets. 1cm wide dolomite vein @ 59° to Core Axis @ 158.80m. Quartz/pyrite (3% pyrite) vein (5mm wide) @ 18° to Core Axis @ 161.20m. This is cross cut by a dolomite vein which runs @ 40° to Core Axis (2 - 3mm wide). Dolomite vein (1cm wide) @ 47° to Core Axis @ 164.30m. 168.80m = dolomite/pyrite vein @ 33° to Core Axis. 172.70 - 172.80m = brown clay and chlorite with slickensides = small fault. Chlorite zones with slickensides also occur @ 172.20 - 172.30m, 173.70 - 173.85m and 174.10 - 174.25m. A 2mm dolomite vein occurs @ 45° to Core Axis at 173.90m. A quartz/dolomite/pyrite vein occurs at 55° to Core Axis (0.5cm wide) @ 175.00m. Pyrite vein (3mm) at 86° to Core Axis at 175.20m. EOH at 178.96m										
		SIGNIFICANT MINERALIZED INTERVALS		12.00	21.00	9.00	1189	55	490	2.0	435	45
				81.00	93.00	12.00	1579	20	26	1.5	355	13
				102.00	108.00	6.00	3683	21	32	3.5	912	21
				120.00	126.00	6.00	1027	24	41	2.3	69	58

DRILL HOLE LOG

LOCATION:	KLASTLINE PLATEAU 104G-9E 130°14'W 57°39'N	HOLE NO. DDH-90-G02	PAGE NO. 1 of 7

AZIM: 000
DIP: -45°

ELEV: 1,554.48m 5,100 ft.
LENGTH: 181.05m (594 ft.)

CORE SIZE: BGM

DIP TEST

METREAGE	AZIMUTH	INCLINATION	CORR. INCLIN.
94.18	000		-43.5°
179.53	000		-44.0°

PROPERTY: ASCOT GJ (INTERNATIONAL CURATOR OPTION)

CLAIM NO: GJ
SECTION: L14E/4+00S

STARTED: August 31, 1990
COMPLETED: September 2, 1990
PURPOSE: Drill section through I.P. Anomaly & West of Cu-Au Bedrock Geochem High

LOGGED BY: D. MEHNER
DATE LOGGED: September 3, 1990
DRILLING CO: FALCON DRILLING
ASSAYED BY: MIN-EN LABS

CORE RECOVERY: 98%

METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ASSAYS Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)	As (ppm)
0.00	5.79	Casing										
5.79	6.63	Equigranular, medium grained biotite diorite; pervasive clay replacement of feld; bio primary (?) = 10-15%; very blocky core; strong orange limonite colour; 3% QV up to 7mm wide @ 7-10° to core axis; trace disseminated Pyrite + Chalcopyrite in QV; 1-3mm calcite veins cross-cut QV	GJ11260	5.79	9.00	3.21	306	21	33	0.5	70	1
6.63	16.12	Equigranular monzodiorite; 5-8% mafics appear chloritized and indistinct (crystal shapes) as opposed to above; strong "pink" tinge to groundmass; strongly magnetic; 20-25%, 1-2mm plag crystals set in pink groundmass; trachytic; 5% calcite fracture @ 30°-60° to core axis up to 7mm; typically ≤2mm; trace fracture chalcopyrite; trace fracture hematite; trace disseminated chalcopyrite; <<1% quartz veins; trace fracture malachite @ 14.94.	GJ11261	9.00	12.00	3.00	259	18	22	0.2	45	1
			GJ11262	12.00	15.00	3.00	467	22	34	0.8	89	23
			GJ11263	15.00	18.00	3.00	173	15	46	0.8	2	1
		Core broken and very blocky; orange limonite common.										
16.12	23.47	Note contact is fault zone; covers core from approximately 15.37-16.33; diorite pebbles in clay matrix. Medium grained, equigranular biotite diorite (as 5.79-6.63); some chlorite alt. of mafics (retrograde?); 3-5% calcite fractures usually @ 35° to 50° to core axis; typically ≤1mm; strongly magnetic; epidote fracture filling and veinlets with 2-4mm Kfeldspar envelopes occur at 18.35-21.50m (≤2%); before epidote/Kfeldspar veins, rock is pervasively clay altered; where Kfeldspar epidote veins occur,	GJ11264	18.00	21.00	3.00	208	23	47	1.1	38	3
			GJ11265	21.00	24.00	3.00	339	22	30	1.2	306	1

DRILL HOLE LOG

HOLE NO. DDH-90-G02 | PAGE 2 OF 7

METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH (m)	ASSAYS Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)	As (ppm)
16.12	23.47 Cont.	start getting less distinct mafics, some plag phenos and pink groundmass - appears to be either secondary Kfeldspar alt or gradational to monzodiorite to 23.47m. <1% pyrite disseminated throughout. Fault @ 21.42-23.47m; clay gouge, calcite veins and cave; fault @ 05° to core axis; weak limonite confined to fracture.										
23.47	26.78	As above; medium grained pervasively alt. equigranular diorite but with ½% disseminated and fractured pyrite, chloritized mafics, thin chlorite selvages on some fractures and 5% fracture; vein and disseminated calcite; weak fracture limonite.	GJ11266	24.00	27.00	3.00	273	19	28	1.4	1500	6
26.78	37.31	Hornblende monzodiorite (?); chloritized mafics (50%); medium grained porphyritic; pink tinge to groundmass; gradational from diorite(?); plag phenos ≤1½mm; 20%-25% of rock; rock very magnetic, plag phenos altered to clay; <<1% disseminated and fractured pyrite with trace of disseminated Chalcopyrite; fractures @ 45° to core; some with weak limonite; Kfeldspar envelopes on 1 calcite-chlorite-pyrite vein. @ 29.61m, got 7mm quartz vein @ 48° to core axis; it contains 5% Pyrite, trace chalcopyrite and 1-2% calcite. NB: @ 33.22-34.3°, feldspars show trachytic texture and are perpendicular to core axis. 3.7mm calcite vein @ 58° to core axis @ 34°30'; shows tylotic texture, fracture chlorite and hematite = ≤1% but is evident throughout.	GJ11267 GJ11268 GJ11269 GJ11270	27.00 30.00 33.00 36.00	30.00 33.00 36.00 39.00	3.00 3.00 3.00 3.00	333 345 386 235	19 19 19 20	27 30 38 26	0.9 0.8 0.7 0.6	104 121 135 76	1 10 1 29
37.31	40.55	As above but core crackled, broken with 3-5% calcite fracture filling; 1% quartz veining; >1% pyrite; rare traces Chalcopyrite; @ 39.65-39.69 is brecciated, bedded/vein pyrite (70%) - Calcite (25% - chlorite (5%) @ 60° to core axis; calcite fracture cut quartz veins - ground limonite stained core @ 40.26 to 40.55 - base of oxide (limonite) is 40.55	GJ11271	39.00	42.00	3.00	228	25	24	0.7	47	1

DRILL HOLE LOG

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METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH (m)	ASSAYS Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)	As (ppm)
40.55	42.37	Same medium grained, weakly porphyritic, relatively equigranular, hornblende monzodiorite with pink groundmass, chloritized mafics, highly magnetic; 3% calcite fractures and 1% calcite in groundmass; calcite fracture typically @ 75° to core axis.										
42.37	49.69	As above but crackled with 5-7% irregular calcite vein filling and 1-2% local calcite flooding of groundmass. 43.02-43.19 is fault gouge/clay; becomes weakly to non-magnetic to 49.15, then strongly magnetic; pink tinge of groundmass is reduced; trace of disseminated pyrite.	GJ11272 GJ11273 GJ11274	42.00 45.00 48.00	45.00 48.00 51.00	3.00 3.00 3.00	328 539 519	20 20 18	26 29 34	1.1 1.4 1.0	84 52 54	4 1
49.69	54.19	Medium grained, equigranular to porphyritic hornblende monzodiorite; strongly magnetic; <<1% hematite on fractures; local (<<1% overall) vein epidote 51.57-52.40 = 50% irregular calcite veining; <<1% disseminated pyrite	GJ11275	51.00	54.00	3.00	704	24	40	4.4	498	43
54.19	57.55	Broken, blocky core with light grey-white clay with bluish tinge along fractures; quartz veining <1%. Same monzodiorite but mafics largely indistinct; strongly magnetic; - ½ to 1% fracture/vein chalcopyrite occurs with quartz veining and along hairline fractures @ 035° to core axis; also in 2-4mm calcite veins and in fractures with hematite-pyrite (<1%) having 2-4mm K-spar envelopes; <<1% fractured pyrite. Calcite fractures with chalcopyrite @ 10-30° to core axis; some of these veins reach up to 0.5cm and contain hematite and actinolite (?). 53.40 to 54.20 = 10% calcite veins with 3% chalcopyrite; <1% hematite, <1% pyrite, 15% actinolite and ±2-4mm K-spar envelopes. Common rock fractures at 060° and 040° to core axis.	GJ11276 GJ11277	54.00 55.50	55.50 57.00	1.50 1.50	1925 1043	17 14	27 29	0.9 0.8	426 295	1 1
57.55	62.87	Same unit as above but with only traces of chalcopyrite; calcite fracture filling is ≤2%; equigranular, partly porphyritic hornblende monzodiorite; very magnetic; <<1% fractured pyrite; trace of epidote along fractures; trace disseminated pyrite and rare speck chalcopyrite; @ 60.10-60.66 get 1cm wide pyrite vein with accessory chlorite (3%), calcite (5-10%) and red hematite; cuts core @08° to core axis; non-magnetic. Ground core @ 61.60-61.80	GJ11278 GJ11279 GJ11280 GJ11281	57.00 58.50 60.00 61.50	58.50 60.00 61.50 63.00	1.50 1.50 1.50 1.50	831 572 786 903	18 13 21 14	26 32 38 44	0.7 0.7 1.7 2.0	202 173 121 118	1 1 1 1

DRILL HOLE LOG

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METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH (m)	ASSAYS Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)	As (ppm)
62.87	72.00	62.28 -62.87 = 15% pyrite veining; 3 to 5mm with calcite and chlorite; cutscore @ 10° to core axis; pink tinge to groundmass is less common. Broken core (along calcite fracture) @ 62.87-64.25. Calcite veining irregular to 1.5cm @ 64.60-67.00 = 8%. Equigranular diorite??; pink tinge in groundmass could be Fe stain; strongly magnetic; Blocky, well fractured with 5% calcite fracture filling; common fracture @ 43° to core axis; also calcite fracture @ 58° to core axis; trace disseminated/fractured pyrite and rare disseminated chalcopyrite; unit is more "patchy" in its pink colour; feldspars to clay and chloritization of mafics; gradational change from monzodiorite (?) or variation in alteration intensity; red hematite on fractures.	GJ11282	63.00	66.00	3.00	478	22	45	1.7	74	1
			GJ11283	66.00	69.00	3.00	452	22	33	1.1	16	1
			GJ11284	69.00	72.00	3.00	654	19	38	0.8	118	1
72.00	81.37	Occasional quartz veins at 25-35° to core axis; ≤3mm wide; contain traces of pyrite and chalcopyrite; unit appears to be medium grained equigranular diorite; chlorite after mafics and on fracture; distinct calcite-chlorite fractures with envelopes of Kfeldspar @ 35° to core; trace of disseminated and fractured pyrite; rare fractured/disseminated chalcopyrite; very magnetic. 1 to 2% epidote veinlets; pyrite veinlets are either with calcite/ Kfeldspar fractures or epidote. @ 77.7, get 11mm chalcopyrite vein (95%) with quartz cutting rock @ 035° to core axis; parallel to quartz veins and Kfeldspar-chlorite-calcite fractures; later calcite fractures cross-cut quartz veins. From 77.7 to 81.37 unit becomes increasingly crackled with depth; irregular "crackle" calcite ~8-10%; 2% quartz veining; 1-2% fracture and breccia infill, fine grained pyrite.	GJ11285	72.00	73.50	1.50	529	14	42	0.6	103	27
			GJ11286	73.50	75.00	1.50	760	26	66	1.3	225	89
			GJ11287	75.00	76.50	1.50	550	25	41	0.8	135	1
			GJ11288	76.50	78.00	1.50	4764	23	75	3.8	2300	1
			GJ11289	78.00	79.50	1.50	3332	17	238	7.0	1300	5
			GJ11290	79.50	81.00	1.50	721	22	38	1.6	217	9
81.37	83.82	Fault; brecciated, clay gouge, ground core; calcite fracture filling common (5%)	GJ11291	81.00	84.00	3.00	570	21	35	1.1	41	9
83.82	96.50	Medium grained equigranular diorite; 10% calcite "crackle", fracture filling and 5% quartz and plag feldspar and chlorite salvages; veining to 85.0.	GJ11292	84.00	87.00	3.00	266	15	45	1.2	37	1
			GJ11293	87.00	90.00	3.00	237	17	45	1.2	29	1
			GJ11294	90.00	93.00	3.00	260	22	80	1.7	62	21
			GJ11295	93.00	96.00	3.00	281	17	48	0.9	31	1

DRILL HOLE LOG

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METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH (m)	ASSAYS Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)	As (ppm)
83.82	96.50 Cont.	Very magnetic; clay altered feldspars, chloritized mafics; trace of disseminated pyrite and fractured red hematite. Original (relict) mafics were partly biotite (?). Weak, patchy epidote. 88.08-96.50 increasing "crackle", fracturing with 10% quartz-feldspar vein filling and 5% calcite filling; associated with << 1% vein pyrite. << 1% fracture and disseminated pyrite; weak but local vein Kfeldspar and fracture chlorite. Fault gouge and clay @ 92.80-92.96.									
96.50	100.74	Light grey quartzite, 6-8%, 1-2mm white calcite filled fractures sub-parallel and at 35° to core axis; includes inlier or raft of diorite @ 97.56-97.85. << 1% fracture pyrite and trace of disseminated chalcopyrite.	GJ11296 GJ11297	96.00 99.00	99.00 102.00	3.00 3.00	734 519	26 24	249 279	1.7 1.7	90 72	53 1
100.74	105.90	Medium grained equigranular diorite-hornblende ± biotite; mottled; patchy chlorite-epidote alteration; 8-10% crackle/fracture calcite; magnetic; << 1% fractured/disseminated pyrite.	GJ11298	102.00	105.00	3.00	719	15	61	0.7	245	1
105.90	110.03	Light grey quartzite; mottled, fractured; hint of bedding; common fracture @ 55° to core axis. Core blocky @ 108.90-110.03.	GJ11299 GJ11300	105.00 108.00	108.00 111.00	3.00 3.00	809 193	22 21	95 47	1.2 0.7	76 2	20 75
110.03	117.00	Some quartzite but definite bedding; blocky core; trace pyrite; bedding @ 040° to core axis. It consists of brown siltstone beds with more massive but fractured quartzite. 115.26-115.32 - brecciated quartzite with 30% creamy feldspar veining and 1% pyrite veining.	GJ11301 GJ11302	111.00 114.00	114.00 117.00	3.00 3.00	226 211	25 16	89 59	1.0 1.2	6 4	55 78
117.00	120.42	As above; bedded siltstones with massive but fractured light grey quartzite; bedding @ 030° to core axis; core very fractured with 6-8% cream to cream pink feldspar filling fractures; most fractures ≤4mm and @ 60-70° to core axis; locally brecciated. < 1% fracture and vein pyrite.	GJ11303	117.00	120.00	3.00	173	20	55	1.1	3	69

DRILL HOLE LOG

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METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH (m)	ASSAYS Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)	As (ppm)
120.42	121.36	Brecciated, mottled limestone skarn; silicified; feldspar and late calcite veining; 3-5% bedded and vein pyrite. Margins of interval are siliceous.	GJ11304	120.00	121.50	1.50	919	24	104	2.0	36	33
121.36	123.55	Similar to 117.00-120.42; bedded; more chert with change to pale grey with cream-green tinge; <1% fractured pyrite; still quartzite. 1 to 2% calcite veining; 1% feldspar fractured filling.	GJ11305	121.50	123.00	1.50	121	14	51	1.3	4	32
123.55	129.03	35% pale cream feldspar veining within grey quartzite; veining (?), often bedding parallel and up to 15cm wide; traces of pale green clay or mica within these zones (fuchsite) - crackled.	GJ11306	123.00	126.00	3.00	165	10	67	1.2	2	1
			GJ11307	126.00	129.00	3.00	229	21	60	0.4	1	46
129.03	155.83	Grey quartzite; well bedded (grey-brown siltstones ≤6cm beds) @ 53° to core axis; blocky broken core; crackled locally; ≤1% calcite fracture filling; traces of fracture pyrite. Weak "mottling"; clay is common on fractures; by 149, bedding is absent.	GJ11308	129.00	132.00	3.00	205	10	106	1.3	94	1
			GJ11309	132.00	135.00	3.00	154	11	47	0.7	1	43
			GJ11310	135.00	138.00	3.00	171	11	61	0.6	1	1
			GJ11311	138.00	141.00	3.00	147	15	38	0.7	3	28
			GJ11312	141.00	144.00	3.00	178	11	43	0.3	2	18
			GJ11313	144.00	147.00	3.00	154	12	31	0.5	2	20
			GJ11314	147.00	150.00	3.00	211	19	20	0.3	8	27
			GJ11315	150.00	153.00	3.00	276	17	32	0.9	2	42
			GJ11316	153.00	156.00	3.00	505	17	36	1.5	1	49
155.83	157.00	Medium grained, porphyritic diorite; 2-3mm "acicular" hornblende phenocrysts, plag crystals are corroded; groundmass is pink; magnetic; <1% pyrite on fractures; weakly to moderately trachytic; seems "relatively" fresh.	GJ11317	156.00	159.00	3.00	350	16	34	1.2	4	29
157.00	176.33	Some grey quartzite; massive; common fracture @ 045° to core axis; bedding not evident; core broken and blocky. @ 160.00, start developing faint pink colour to quartzite locally (secondary K-spar alteration??). Pyrite increases to ½% locally. @ 160.90, get fractured chalcopyrite (5% over 10cm). Bedding starts again @ 166m with brown, biotite(?) rich siltstone interbedded with grey to pinkish chert quartzite; bedding @ 040° to core axis; rock mottled and fractured with white/cream feldspar fracture filling (3%).	GJ11318	159.00	162.00	3.00	733	19	62	2.0	488	42
			GJ11319	162.00	165.00	3.00	339	15	48	1.1	16	47
			GJ11320	165.00	168.00	3.00	271	16	47	0.7	2	20
			GJ11321	168.00	171.00	3.00	252	12	44	0.9	1	2
			GJ11322	171.00	174.00	3.00	299	24	37	1.8	2	108

DRILL HOLE LOG

HOLE NO. DDH-90-G02 | PAGE 7 OF 7

METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH (m)	ASSAYS Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)	As (ppm)
176.33	181.05	@ 176.33-176.92 is pervasively altered diorite porphyry dyke; feldspar phenos show trachytic texture, are ≤1½mm and are totally altered to clay; no mafics; most leached, some to chlorite (<3%).	GJ11323	174.00	177.00	3.00	538	18	79	1.3	2	26
			GJ11324	177.00	180.00	3.00	439	19	31	1.4	10	21
			GJ11325	180.00	181.05	1.05	369	14	18	1.1	2	45
		Dyke contains trace to ½% chalcopyrite disseminated and 1-2% disseminated and fractured pyrite.										
		1½mm chalcopyrite-pyrite veinlet @ 180.60m; after dyke, unit is grey quartzite with ≤½% fractured pyrite; get olive green clay (1%) on fractures and locally carbon on fractures; no bedding.										
176.33	181.05 Cont.	Crackled with < 1% fracture calcite and 3% fracture feldspar filling or veining. Weakly mottled.										
		End of hole.										
		ASSAYS:	GJ11266	24.00	27.00	3.00					0.045 oz/t	
			GJ11288	76.50	78.00	1.50					0.064 oz/t	
			GJ11289	78.00	79.50	1.50					0.037 oz/t	
		SIGNFICANT MINERALIZED INTERVALS		54.00	57.00	3.00	1484	16	28	0.9	361	1
				76.50	79.50	3.00	4084	20	157	5.4	800	3

DRILL HOLE LOG

LOCATION: KLASTLINE PLATEAU 104G-9E
130°14'W 57°39'N

HOLE NO. DDH-90-G03

AZIM: 000°
DIP: -45°

ELEV: 1472.18m/4830 (ft)
LENGTH: 188.67m (619 ft)

CORE SIZE: BGM

DIP TEST

METREAGE	AZIMUTH	INCLINATION	CORR. INCLIN.
94.18	000°		-45°
185.62	000°		-45°

PROPERTY: ASCOT GJ (INTERNATIONAL CURATOR OPTION)

CLAIM NO: GJ
SECTION: L14E/14+00S

STARTED: September 2, 1990
COMPLETED: September 5, 1990
PURPOSE: Drill section through I.P. anomaly and west of Cu-Au bedrock geochem high.

LOGGED BY: J. Miller
DATE LOGGED: September 6, 1990
DRILLING CO: FALCON DRILLING
ASSAYED BY: MIN-EN LABS

CORE RECOVERY: 95%

METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ASSAYS Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	As ppm
0.00	5.79	Casing										
5.79	23.73	Grey chert contains pyrite veinlets and cross-cutting dolomite veinlets. Dolomite brecciation from 10.35m to 10.70m. Slightly clay altered albite vein from 13.45m to 14.15m with pyrite at contacts as veins as well as throughout this sub-interval (approximately 5% pyrite). Sericite alteration found locally from 20.30m to 21.03m. Abundant limonite along fractures throughout the main interval as well as approximately 2-3% pyrite as veinlets mostly structural measurements as follows: 8.95m = dolomite veinlets (≤1mm) @40° to Core Axis 13.55m = U. contact with albite vein @11° to Core Axis 13.75m = pyrite vein (1-7mm) @46° to Core Axis 14.34m = L. contact with albite vein @15° to Core Axis 15.70m = 15° bedding to Core Axis with pyrite veins 20.90m = 1cm brxx. dolomite vein @ 60° to Core Axis	GJ11326	5.79	9.00	3.21	124	14	55	.7	43	31
			GJ11327	9.00	12.00	3.00	100	17	35	.8	67	36
			GJ11328	12.00	15.00	3.00	111	19	49	1.1	45	38
			GJ11329	15.00	18.00	3.00	152	17	64	.9	38	43
			GJ11330	18.00	21.00	3.00	187	15	40	1.0	49	38
			GJ11331	21.00	24.00	3.00	176	11	65	1.1	182	24
23.73	34.40	Silicified siltstone (quartzite). Alteration minerals include albite, dolomite, sericite, clay minerals, pyrite and K-feldspar (as pyrite vein selvages). Approximately 6-7% pyrite occurs as blebs and veins throughout the interval. Limonite occurs on most fractures. Dolomite occurs along bedding; dolomite veins also cross-cut bedding. Approximately 8-12% pyrite occurs as blebs from 30.30m to 30.60m. K-feldspar occurs as selvages to pyrite	GJ11332	24.00	27.00	3.00	96	14	135	1.5	164	15
			GJ11333	27.00	30.00	3.00	44	17	62	1.0	96	9
			GJ11334	30.00	33.00	3.00	82	8	128	1.2	117	1
			GJ11335	33.00	36.00	3.00	83	23	119	1.3	141	24

DRILL HOLE LOG

HOLE NO. DDH-90-G03 | PAGE 2 OF 10

METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ASSAYS Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	As ppm
23.73	34.40 Cont.	veins. Structural measurements are as follows: 24.50m = 1cm wide dolomite/pyrite vein @22° to Core Axis 25.80m = bedding (sericite/dolomite/pyrite) @0-5° to Core Axis 30.75m = albite/sericite ??? @16° to Core Axis (with pyrite veins ≤2mm) 31.80m = pyrite/K-feldspar vein along ??? @22° to Core Axis 32.90m = 4mm wide dolomite vein @36° to Core Axis 33.60m = sericite/dolomite/pyrite altered ??? @19° to Core Axis									
34.40	37.70	Grey chert. Minor dolomite/pyrite veining. Approximately 2% pyrite as veinlets throughout interval. Abundant limonite along fractures. Minor biotite alteration (pervasive, fine grained) from 36.27m to 37.70m. Very broken; low RQD, making structural measurements difficult.	GJ11336	36.00	39.00	3.00	98	13	74	1.0	60	19
37.70	43.72 NOTE: Oxide/ reduction zone interface @43.00m	Brecciated grey chert. Mostly a crackle breccia with a dolomite matrix (fragments are in situ-no rotation). Minor foliation where not brecciated. Oxid/reduction zone interface is @43.00m due to the absence of limonite staining below this depth. Approximately 3% pyrite occurs throughout the interval as veins and blebs. 38.25m = 3cm wide foliated sericite zone @22° to Core Axis 39.20m-39.40m = intense pervasive biotite alteration 42.00m = bedding with pyrite veins parallel @ 60° to Core Axis	GJ11337 GJ11338	39.00 42.00	42.00 45.00	3.00 3.00	69 129	18 14	29 49	1.0 0.9	39 120	81 23
43.72	81.99	Pink to grey, altered intrusive (monzodiorite). Grain size ranges from fine to coarse (intrusive breccia) to undistinguishable (mottled altered). Alteration types include K-feldspar/clay; biotite; and quartz/carbonite/pyrite. Moderate dolomite veining occurs with and without pyrite. 43.72-56.82m = K-feldspar and clay altered zone (moderately altered) approximately 2% pyrite as veins and dissemination 45.80-46.15m = fault zone with grey clay 47.30m = dolomite vein approximately 3mm wide @17°	GJ11339 GJ11340 GJ11341 GJ11342 GJ11343 GJ11344 GJ11345 GJ11346 GJ11347 GJ11348 GJ11349	45.00 48.00 51.00 54.00 57.00 60.00 63.00 66.00 69.00 72.00 75.00	48.00 51.00 54.00 57.00 60.00 63.00 66.00 69.00 72.00 75.00 78.00	3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00	97 107 149 171 147 140 151 149 158 115 184	15 11 13 13 11 18 19 23 10 8 10	21 21 21 22 17 50 317 149 22 24 19	0.9 0.8 0.8 0.8 0.8 0.7 1.1 1.2 0.9 1.1 1.2	235 218 246 164 98 71 70 73 80 58 59	1 17 1 1 8 1 1 2 1 1 1

DRILL HOLE LOG

HOLE NO. DDH-90-G03 | PAGE 3 OF 10

METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ASSAYS Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	As ppm
		to Core Axis	GJ11350	78.00	81.00	3.00	198	16	16	1.1	63	1
43.72	81.99 Cont.	43.72-50.85m = fragmental unit with intrusive fragments and matrix (plag phenos) = intrusive breccia. Fragments have altered to K-feldspar clay or sericite.	GJ11351	81.00	84.00	3.00	219	13	26	1.1	118	4
		49.15m = 2cm wide dolomite/pyrite vein (30% pyrite) @ 31° to Core Axis										
		50.85-56.82m = medium grain monzodiorite with moderate secondary K-feldspar. Approximately 4-5% pyrite occurs as veins and blebs. Minor fragments.										
		53.60m = dolomite vein (3mm wide) @ 43° to Core Axis										
		55.80m = dolomite/pyrite vein (4mm) and K-feldspar bands @ 32° to Core Axis										
		56.82-66.00m = pink and dark grey diorite with patch K-feldspar alteration (low to moderate). Plagoclasts has altered to clay minerals (sericite?). Patchy alteration along with patches of quartz/dolomite/pyrite produces a "pseudo-fragmental" appearance. Approximately 3-4% pyrite occurs as fine disseminations and veinlets as well as blebs with quartz/dolomite patches.										
		59.50m = dolomite veinlet (2mm) @ 50° to Core Axis										
		63.35m = quartz/dolomite/pyrite patch (approximately 6-8% pyrite/10cm)										
		64.05m = dolomite veinlets (≤1.5mm) @ 80° to Core Axis										
		65.15m = 1cm wide fault gouge with 50% pyrite @ 81° to Core Axis										
		65.40-65.50m = dolomite/pyrite patch with 10% pyrite/10cm										
		66.70m = 3mm wide dolomite/pyrite vein @ 15° to Core Axis										
		66.00-69.20m = pink altered diorite. Plag has altered to sericite, pyrite or other clay minerals. 3 phases of veining at least: (1) quartz/hematite/pyrite veining cross cut by (2) dolomite veining cross-cut by (3) dolomite/pyrite veining.										
		66.80m = quartz/hematite/pyrite vein (3mm) @ 15° to Core Axis										

DRILL HOLE LOG

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METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ASSAYS Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	As ppm
43.72	81.99 Cont.	NOTE: Approximately 4-5% pyrite, overall as disseminations and in veins 67.50m = dolomite vein (3mm) @ 52° to Core Axis 67.70m = pyrite veinlets along foliation @ 14° to Core Axis cross cut by dolomite vein (8mm) @ 79° to Core Axis 69.10m = dolomite veins at 76° to Core Axis (≤7mm wide) over 7cm (25% veining) 69.20-74.80m = pink and dark grey altered diorite (patchy). Quartz/dolomite/pyrite patches occur with K-feldspar selvages. Dolomite/pyrite veins cross cut barren dolomite veins. Plag has altered to clay minerals (sericite?). Approximately 4-5% pyrite as disseminations and veining as well as blebs in patches (dolomite/quartz). 69.70m = dolomite vein (approximately 2mm) @ 67° to Core Axis 70.30m = dolomite/pyrite vein (2mm) @ 16° to Core Axis is cross cutting barren dolomite veins @ 74° to Core Axis 74.60m = dolomite vein (6mm) @ 54° to Core Axis 74.80-81.99m = pink altered diorite. Alteration is pervasive (not patchy) and is mostly clay alteration with local sericitic alteration. Minor K-feldspar secondary after fragments (?) and as selvages to dolomite/pyrite/sericite patches. Quartz/pyrite veins are cross cut by barren dolomite veins. 75.40m = dolomite vein (3mm) @ 20° to Core Axis 76.20-76.30m = dolomite/pyrite/sericite/K-feldspar patch (parallel to Core Axis?) 76.70m = dolomite vein (5cm) @ 54° to Core Axis. Minor sericite and pyrite as well 77.80m = dolomite veining (6 X ≤3mm) @ 47° to Core Axis 78.20m = dolomite vein (3mm) @ 43° to Core Axis 79.50m = dolomite vein (4mm) @ 15° to Core Axis 81.20m = dolomite vein (2dm) @ 60° to Core Axis										

DRILL HOLE LOG

HOLE NO. DDH-90-G03

METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ASSAYS Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	As ppm
81.99	100.20	Light pink to grey altered monzodiorite. Clay alteration is less intense, but is pervasive (plag → clay). Mafics have altered to chlorite. Small patches of K-feldspar resemble a fragmental appearance but are most likely just zones of complete replacement. 94.00 - 97.00m = very minor K-feldspar, mostly altered to clay, chlorite and calcite. Approximately 3-4% pyrite as veinlets and blebs/disseminated patches of pyrite/dolomite/quartz/epidote/calcite occur from 81.99 - 88.25m. Structural orientations as follows: 82.30m = dolomite veins (2-5mm) @ 22° and 42° to Core Axis 82.45m = dolomite veins (3mm) @ 82° to Core Axis 82.55m = dolomite breccia vein (2mm) @ 76° to Core Axis (minor pyrite) 86.30m = pyrite/dolomite (with K-feldspar selvage) vein, approximately 8mm width total, @ 11° to Core Axis 87.00m = dolomite/quartz/pyrite vein (approximately 5mm) @ 7° to Core Axis 87.30m = dolomite vein (approximately 1cm) @ 20° to Core Axis 87.80m = dolomite vein (2mm) @ 25° and 60° to Core Axis 89.70m = dolomite vein (2mm) @ 32° to Core Axis 93.25m = dolomite vein (2mm) @ 12° and 65° to Core Axis 94.00m = dolomite vein (2-4mm) @ 49° and 67° to Core Axis 99.50m = dolomite vein (1cm) @ 76° to Core Axis 100.00m = pyrite veinlet (2mm) with dolomite @ 42° to Core Axis	GJ11352	84.00	87.00	3.00	237	11	30	0.7	64	1
			GJ11353	87.00	90.00	3.00	222	8	19	1.0	62	1
			GJ11354	90.00	93.00	3.00	236	19	16	0.8	109	1
			GJ11355	93.00	96.00	3.00	152	16	21	0.8	97	1
			GJ11356	96.00	99.00	3.00	573	13	24	1.0	558	1
			GJ11357	99.00	102.00	3.00	424	10	26	1.3	398	1
100.20	109.50	Pink, K-felspar altered monzodiorite/diorite (?). Intense K-feldspar flooding with mafics altered to pyrite. Approximately 5-6% pyrite as disseminated blebs (after mafics) and as minor interstitial blebs/veinlets. A fault zone occurs from 103.95m to 106.18m which contains abundant grey clay gouge and dolomite/pyrite veining (approximately 6-7% pyrite). Green clay occurs along fractures from 106.30m to 108.50m. Structural measurements are as follows:	GJ11358	102.00	105.00	3.00	830	9	10	1.4	585	1
			GJ11359	105.00	108.00	3.00	344	10	10	1.6	183	1
			GJ11360	108.00	111.00	3.00	292	12	18	1.6	113	9

DRILL HOLE LOG

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METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ASSAYS Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	As ppm
100.20	109.50 Cont.	102.40m = 1mm wide dolomite veinlet @ 40° to Core Axis 106.18m = lower contact of fault @ 43° to Core Axis 106.30-106.40m = intense sericitic alteration 106.42m = 3mm wide dolomite vein @ 62° to Core Axis 108.25m = 25cm dolomite vein @ 52° to Core Axis 108.80m = dolomite veins at 30° to Core Axis with minor cpy (.5%/10cm) ≤7mm width each (2); barren dolomite vein (1cm) @ 54° to Core Axis										
	NOTE: Cpy											
109.50	129.30	Pink to dark green altered sandstone (?). 111.35 - 111.90m is a propylitically altered (chlorite/calcite) diorite dyke (non-foliated). 109.50 - 114.30m is intensely altered by K-feldspar (exluding above dyke). From 114.30 to 118.60m is moderately propylitically altered mostly by K-feldspar (chlorite, pyrite, calcite). Dolomite veining occurs (barren) as well as interstitial dolomite/pyrite. Structural measurements are as follows: 110.90m = dolomite vein (4mm) @ 75° to Core Axis 111.00-111.10m = green clay (Mariposite/Fuchsite?) approximately 80% 113.30m = dolomite/pyrite vein (2mm) @ 33° to Core Axis; pyrite vein (1-2mm) @ 26° to Core Axis 113.60m = 28° bedding (K-feldspar/chlorite bands); dolomite/pyrite vein (2mm) @ 44° to Core Axis 113.90m = bedding @ 190° to Core Axis 114.20m = calcite/chlorite/pyrite vein (4mm) @ 43° to Core Axis 115.60m = dolomite vein (3mm) @ 63° to Core Axis 115.85m = dolomite vein (3 X 3mm) @ 57° and 70° to Core Axis 117.15m = dolomite vein (3mm) @ 54° to Core Axis; bedding @ 23° to Core Axis (chlorite/K-feldspar) 118.40m = dolomite vein (3mm) @ 42° to Core Axis NOTE: Diorite dykes at the following intervals: 120.5 - 121.0m; 113.55-113.70m; 126.25 - 127.90m. Moderate propylitic alteration (chlorite and calcite and pyrite) and secondary K-feldspar from 118.60m to 129.30m. Approximately 2-3% pyrite occurs from 109.50 to 129.30m (entire interval) as fine disseminations mostly as well as veins.	GJ11361	111.00	114.00	3.00	272	11	19	1.1	109	1
			GJ11362	114.00	117.00	3.00	311	10	22	1.2	104	21
			GJ11363	117.00	120.00	3.00	255	16	24	1.1	58	1
			GJ11364	120.00	123.00	3.00	333	12	26	0.8	108	6
			GJ11365	123.00	126.00	3.00	255	9	33	0.8	94	1
			GJ11366	126.00	129.00	3.00	325	22	25	0.8	64	2
			GJ11367	129.00	132.00	3.00	403	13	22	1.0	75	4

DRILL HOLE LOG

HOLE NO. DDH-90-G03 | PAGE 7 OF 10

METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ASSAYS Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	As ppm
109.50	129.30 Cont.	120.75m = dolomite vein (2mm) @ 46° to Core Axis 119.4-119.6m = dolomite brecciation; minor pyrite 121.80m = dolomite vein (1.5cm) @ 60° to Core Axis 122.75m = dolomite vein (3mm) @ 67° to Core Axis 124.00m = dolomite vein (3mm) @ 26° to Core Axis 124.35m = dolomite vein (1mm) @ 45° to Core Axis 125.00m = bedding (chlorite/K-feldspar) @ 0° to Core Axis 125.26m = 1cm wide dolomite vein @ 55° to Core Axis 126.50m = dolomite veins (5 X 1-4mm) @ 60° to Core Axis 127.30m = pyrite/dolomite veins (2 X 1mm) @ 35° and 17° to Core Axis									
129.30	129.68	Propyliticly (calcite, mafics → hematite and chlorite) altered and K-feldspar altered monzonite dyke. Medium grained; sub-equigranular (grains approximately 0.5-1.0mm). Approximately 3-4% pyrite occurs as fine disseminations and disseminations in dolomite veins. 129.50 = 4mm dolomite/pyrite vein @ 32° to Core Axis. Upper contact @ 42° to Core Axis; lower contact @ 30° to Core Axis with a 1.0mm dolomite vein. This dyke contains 0.5-1.0% magnetite.									
129.68	141.95	Pink to dark green altered sandstone (?). Fine grained; equigranular zones of intense K-feldspar alteration alternating with propylitic alteration (chlorite, dolomite, calcite and pyrite). Dolomite brecciates intensely K-feldspar altered, intrusive from 133.00 to 133.30m. Fault gouge from 133.01 - 133.90m + (grey). Intensely K-feldspar altered from 135.40 to 136.80m. Dolomite veining occurs ± pyrite. Structural measurements are as follows: 30.10m = quartz/pyrite veins (3mm) @ 29° displaced by dolomite veins 132.17m = 5mm dolomite vein @ 52° to Core Axis 137.30m = 2mm dolomite vein @ 49° to Core Axis 137.85m = 4mm dolomite/pyrite (50% pyrite) vein @ 76° to Core Axis 139.15m = 25° to Core Axis orientation of bedding 140.40m = quartz/pyrite vein (3mm) @ 10° to Core Axis 140.50m = dolomite vein (2mm) @ 60° to Core Axis 141.40m = 3cm calcite vein @ 56° to Core Axis 141.70m = 3mm dolomite vein @ 75° to Core Axis	GJ11368 GJ11369 GJ11370 GJ11371	132.00 135.00 138.00 141.00	135.00 138.00 141.00 144.00	3.00 3.00 3.00 3.00	431 894 859 559	17 19 21 12	22 20 19 21	1.5 1.3 1.2 1.1	103 230 167 146	1 14 1 12

DRILL HOLE LOG

HOLE NO. DDH-90-G03 | PAGE 8 OF 10

METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ASSAYS Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	As ppm
129.68	141.95 Cont.	141.90m = bedding @ 190° to Core Axis NOTE: Aproximately 1-2% pyrite throughout interval as disseminations and veinlets.										
141.95	157.70	Altered sandstone with bands of chlorite and K-feldspar. Fine grained; equigranular. Abundant fine grained, equigranular, propyliticly altered, magnetic, diorite dykes. Propylitic alteration consists of chlorite, carbonate and pyrite. These dyke intervals are: 142.2 - 142.85m; 143.5 - 148.9m; 151.9 - 151.45m. Structural measures are as follows: 143.50m = 3mm dolomite vein @ 47° to Core Axis 144.00m = 2mm dolomite vein @ 68° to Core Axis 146.00m = 1mm dolomite/pyrite vein @ 26° to Core Axis 146.70m = 4-5mm quartz/pyrite vein @ 72° to Core Axis 147.15m = 8mm calcite/pyrite vein @ 17° to Core Axis 148.40m = calcite/pyrite vein (3mm) @ 18° to Core Axis 150.15m = K-feldspar/chlorite (bedding) @ 38° to Core Axis 151.40m = calcite/pyrite vein @ 29° to Core Axis (5mm) 151.90m = 3mm dolomite vein @ 48° to Core Axis 153.64m = 1cm wide dolomite/chlorite vein @ 59° to Core Axis 153.90m = 2mm wide dolomite/chlorite vein @ 47° to Core Axis 157.40m = dolomite/pyrite vein (3mm) @ 19° to Core Axis NOTE: Approximately 2% pyrite mostly in veins, minor dissemination.	GJ11372 GJ11373 GJ11374 GJ11375 GJ11376	144.00 147.00 150.00 153.00 156.00	147.00 150.00 153.00 156.00 159.00	3.00 3.00 3.00 3.00 3.00	385 507 444 387 350	13 15 19 18 8	23 25 25 28 26	0.9 1.3 0.5 0.9 1.2	139 192 140 85 52	3 9 1 19 1
157.70	158.65	Off-white granodiorite (?) dyke with approximately 25% quartz and abundant plagioclase (tonalite?); Very unaltered with minor clay alteration of plag and minor secondary chlorite. Approximately 1% finely disseminated pyrite occurs. A slight pinkish hue locally suggests minor K-feldspar alteration. Upper contact @ 13° to Core Axis; lower contact @ 27° to Core Axis.										
158.65	175.66	Pink to dark grey altered microdiorite. Zones of intense K-feldspar alteration occur as well as zones of intense propylitic alteration (chlorite, carbonate, pyrite ± epidoe, ± hematite). Sericite/K-feldspar alteration at contact from 158.65m to 159.30m. Propylitic alteration from 159.30m to 166.70m with minor local K-feldspar	GJ11377 GJ11378 GJ11379 GJ11380 GJ11381	159.00 162.00 165.00 168.00 171.00	162.00 165.00 168.00 171.00 174.00	3.00 3.00 3.00 3.00 3.00	259 282 156 550 346	9 16 18 16 25	29 26 41 61 182	1.0 1.1 1.3 1.5 1.6	44 23 20 59 108	1 1 6 1 70

DRILL HOLE LOG

HOLE NO. DDH-90-G03 | PAGE 9 OF 10

METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ASSAYS Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	As ppm
158.65	175.66 Cont.	alteration. Intense K-feldspar alteration from 166.70m to 168.25m. Patchy and locally foliated K-feldspar and propylitic alterations from 168.25m to 175.66m with approximately 4-5% pyrite mostly finely disseminated (minor pyrite as veins and interstitial blebs). The first part of the main interval (158.65m to 168.25m) contains approximately 2% pyrite mostly occurring as fine disseminations (minor veins.) Pyrite occurs in quartz/calcite and dolomite veins; dolomite veins (barren) cross cut both of the above. Structural measurements as follows: 160.75m = 3mm pyrite vein @ 24° to Core Axis 161.50m = dolomite veins (1mm, 7mm) @ 43° to Core Axis 165.05m = 2mm dolomite vein @ 55° to Core Axis 168.25m = 4mm dolomite vein with chlorite selvages @ 53° to Core Axis 168.35m = pyrite/calcite vein (2mm) @ 25° to Core Axis 169.40-169.65m = patch of prophylitic alteration = abundant calcite/pyrite (10-12%)/dolomite/chlorite 170.65m = K-feldspar foliation of 48° to Core Axis 173.80m = quartz/calcite/pyrite veing (3mm) @ 30° to Core Axis 175.40m = 2cm dolomite/pyrite vein @ 49° to Core Axis 175.50m = 2mm quartz/pyrite vein @ 26° to Core Axis which is cross cut by dolomite veins (barren)	GJ11382	174.00	177.00	3.00	500	20	83	1.4	130	8
175.66	177.70	Pink, white and black speckled propyliticly altered quartz, monzodiorite (?) with moderate secondary K-feldspar. Propylitic assemblage includes chlorite, carbonate and pyrite. This intrusive (zenolith) is likely a boulder consummed by the rising pluton at depth. The unit is equigranular, medium grained (approximately 1-3mm). Chill margins are slightly noticeable in the surrounding intrusive. Approximately 6-7% pyrite occurs as disseminated blebs mostly (minor veins). Some pyrite has pseudomorphed augite and plag phenos. Secondary K-feldspar has pseudomorphed as well. Veining is as mentioned previously. Structural measures are as follows: 176.15m = 1mm dolomite vein @ 58° to Core Axis 177.40m = 5mm dolomite vein @ 71° to Core Axis 177.70m = 3mm calcite/pyrite vein @ 34° to Core Axis										

DRILL HOLE LOG

HOLE NO. DDH-90-G03 | PAGE 10 OF 10

METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ASSAYS Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	As ppm
177.70	188.67 EOH	Light pink to dark green intensely altered microdiorite. Local zones of K-feldspar and propylitic alteration (chlorite, calcite, pyrite, and epidote) occur. Abundant dolomite veining occurs with some local brecciation at these intervals: 178.85 - 179.00m; 179.90 - 180.00m; 180.70 - 180.85m; 185.65 - 185.85m. A zenolith occurs from 179.00 to 179.90m as described above (175.66 - 177.70m). Structural measures are as follows: 178.90m = dolomite breccia and veins (5cm) @ 71° to Core Axis 180.30m = dolomite/pyrite/hematite vein (5mm) @ 7° to Core Axis displaced by a barren dolomite vein (5mm) @ 62° to Core Axis 183.65m = quartz/pyrite/dolomite vein (4mm) @ 66° to Core Axis 187.00m = dolomite vein (0 - 8mm) @ 0° to Core Axis 188.20m = quartz/pyrite vein (2mm) @ 33° is displaced by dolomite vein (3mm) @ 35° to Core Axis NOTE: Approximately 2% pyrite throughout as fine dissemination and in veins. END OF HOLE @ 188.67M CASING PULLED NO SIGNIFICANT MINERALIZED INTERVALS	GJ11383 GJ11384 GJ11385 GJ11386	177.00 180.00 183.00 186.00	180.00 183.00 186.00 188.67	3.00 3.00 3.00 3.00	388 333 257 248	33 25 16 19	445 548 29 40	2.3 3.1 1.3 0.9	102 182 63 40	81 32 1 2

DRILL HOLE LOG

LOCATION: KLASTLINE PLATEAU 104G9E
130°14'W 57°39'N

HOLE NO. DDH-90-G04

AZIM: 000°
DIP: -44°

ELEV: 1563.62m/5130 (ft)
LENGTH: 195.99m (643 ft)

CORE SIZE: BGM

DIP TEST

METREAGE	AZIMUTH	INCLINATION	CORR. INCLIN.
97.23	000°		-43°
192.94	000°		-43.5°

PROPERTY: ASCOT GJ (INTERNATIONAL CURATOR OPTION)

CLAIM NO: GJ
SECTION: L34E/13+00S

STARTED: September 5, 1990
COMPLETED: September 8, 1990
PURPOSE: To test I.P. anomaly, colour anomaly and copper showing

LOGGED BY: Jason Miller
DATE LOGGED: September 12, 1990
DRILLING CO: FALCON DRILLING
ASSAYED BY: MIN-EN LABS

CORE RECOVERY: 96%

METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ASSAYS Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	As ppm
0.00	5.18	Casing										
5.18	28.05	Grey quartzite with minor local bedding. Abundant dolomite veining with some brecciation zones. ≤0.5% pyrite throughout as fine disseminations; abundant limonite staining along fractures. Foliated from 13.36m to 14.32m by albite/pyrite (approximately 6-7% pyrite along bedding). Dolomite breccia zone from 16.17 to 17.33m. Crackle breccia (dolomite matrix) from 17.33 to 28.05m. Structural measurements as follows: 9.25m = bedding (dolomite/sericite/chlorite/pyrite) @ 35° to Core Axis 11.70m = dolomite veins (2 X 4mm) @ 29° to Core Axis 12.00m = 2.5mm pyrite vein @ 8° to Core Axis 19.60m = 3mm dolomite vein @ 33° to Core Axis 27.10m = 3mm dolomite vein @ 66° to Core Axis	GJ11387 GJ11388 GJ11389 GJ11390 GJ11391 GJ11392 GJ11393 GJ11394	5.18 9.00 12.00 15.00 18.00 21.00 24.00 27.00	9.00 12.00 15.00 18.00 21.00 24.00 27.00 30.00	3.82 3.00 3.00 3.00 3.00 3.00 3.00 3.00	80 144 119 86 73 63 52 120	25 14 13 8 11 23 15 15	153 26 22 56 17 44 39 43	1.0 .8 .5 1.3 1.4 1.2 1.3 1.0	2 5 3 2 1 2 2 24	52 7 18 1 1 24 24 24
28.05	49.80	Brecciated grey quartzite with a dolomitic matrix. Crackled breccia in places. ≤0.5% pyrite as blebs or veins; moderate limonite on most fractured surfaces. Local areas (minor)have been sericiticly altered and chloriticly altered. Fault gouge (grey) occurs from 43.30 - 43.50m and 47.45 - 47.50m. A clay altered monzodiorite dyke (?) occurs from 48.20m to 48.45m. Structural measurement as follows: 31.75m = 8mm dolomite vein @ 25° to Core Axis 40.55m = 3mm dolomite vein @ 15° to Core Axis	GJ11395 GJ11396 GJ11397 GJ11398 GJ11399 GJ11400 GJ29001	30.00 33.00 36.00 39.00 42.00 45.00 48.00	33.00 36.00 39.00 42.00 45.00 48.00 51.00	3.00 3.00 3.00 3.00 3.00 3.00 3.00	198 103 72 108 79 107 217	8 10 24 19 12 17 39	122 72 34 31 39 50 89	1.3 1.2 1.8 2.1 2.2 1.8 1.8	18 28 12 2 6 4 30	1 1 35 1 1 1 33

DRILL HOLE LOG

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METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ASSAYS Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	As ppm
49.80	64.05	Grey quartzite; some occurs as a dolomitic crackle breccia and there are minor bedded sections found locally. Beds altered by clay minerals and pyrite (approximately 5%) from 52.00 to 52.73m. Abundant limonite along fractures until 58.09m = oxidation/reduction interface. ≤0.5% pyrite occurs mostly as veinlets (trace disseminated). Slight pinkish and light green hues suggest some low intensity Kfeldspar or seriticized alteration found locally. Structural measurements as follows: 52.50m = pyrite/clay foliation @ 20° to Core Axis 54.88m = dolomite vein @ 22° to Core Axis (3mm) 58.00m = dolomite/pyrite/hematite vein @ 35° to Core Axis 60.05m = pyrite/dolomite vein (1 - 8mm) at 55° to Core Axis is cross cut by a barren dolomite vein @ 28° to Core Axis 62.80m = dolomite vein (3mm) @ 52° to Core Axis 63.50m = dolomite/pyrite vein (2 - 6mm) @ 51° to Core Axis 63.60m = dolomite vein (3mm) @ 37° to Core Axis 63.75m = pyrite veining (1mm) @ 45° to Core Axis Cobaltonitrate stain result: 49.70m = minor Kfeldspar intrusive 52.50m = no Kfeldspar. Bedded with pyrite/clay 54.60m = moderate Kfeldspar alteration bands	GJ29002 GJ29003 GJ29004 GJ29005 GJ29006	51.00 54.00 57.00 60.00 63.00	54.00 57.00 60.00 63.00 66.00	3.00 3.00 3.00 3.00 3.00	142 97 63 321 223	26 13 16 19 29	102 47 29 41 98	1.9 1.7 1.8 1.5 1.4	4 42 16 51 2	26 1 7 15 12
		N O T E : oxidation zone limit @ 58.9m										
64.05	67.73	Clay altered intrusive dyke (diorite?). Non-magnetic. Alteration products other than clay occur in minor amounts and include: chlorite, sericite, Kfeldspar. Minor dolomite veining occurs at the following orientations: 64.15m = pyrite vein @ 53° to Core Axis (1mm) 65.30m = dolomite vein @ 78° to Core Axis (4mm) 66.90m = dolomite vein @ 66° to Core Axis (5mm) Cobaltonitrate stain results are as follows: 64.15m = minor Kfeldspar (secondary). Intrusive 64.75m = moderate Kfeldspar (secondary). Intrusive 66.70m = moderate Kfeldspar (secondary) along fractures. Intrusive. Approximately 2% pyrite as fine dissemination throughout the interval (minor veins occur).	GJ29007	66.00	69.00	3.00	312	24	327	1.9	10	9

DRILL HOLE LOG

HOLE NO. DDH-90-G04 | PAGE 3 OF 7

METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ASSAYS Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	As ppm
67.73	92.35	Crackle brecciated grey quartzite (dolomite matrix). ≤0.5% pyrite occurs as fine disseminations (minor vein occurrences). A clay altered intrusive, as described above (64.05 - 67.73m), occurs from 74.27m to 75.10m and 83.21 - 84.56m. Fault rubble with minor gouge occurs from 85.80m to 89.31m (most of which is a dolomite breccia). Structural measurements are as follows: 74.27m = upper contact with intrusive is @ 53° to Core Axis 75.10m = lower contact with intrusive is @ 21° to Core Axis 83.21m = upper contact with intrusive is @ 56° to Core Axis 84.56m = lower contact with intrusive is @ 4° to Core Axis Cobaltonitrate stain results are as follows: 74.30m = moderate Kfeldspar as intrusive groundmass 83.40m = moderate Kfeldspar as intrusive groundmass 92.20m = minor Kfeldspar bands as alteration	GJ29008	69.00	72.00	3.00	181	8	45	2.1	17	1
			GJ29009	72.00	75.00	3.00	121	8	18	1.5	4	1
			GJ29010	75.00	78.00	3.00	77	8	21	2.1	5	1
			GJ29011	78.00	81.00	3.00	93	8	32	1.9	9	1
			GJ29012	81.00	84.00	3.00	156	18	22	1.8	3	13
			GJ29013	84.00	87.00	3.00	124	8	23	2.3	14	1
			GJ29014	87.00	90.00	3.00	97	16	21	1.7	2	1
			GJ29015	90.00	93.00	3.00	152	26	43	1.3	3	14
92.35	98.38	Very altered sandstone (bedded). Secondary Kfeldspar, chlorite and pyrite occur along the bedding. Dolomite veining occurs at a low to moderate intensity. ≤0.5% pyrite occurs as fine disseminations (trace veinlets), except for subinterval 85.80m to 96.00m where approximately 4 - 5% pyrite occurs as blebs with chlorite halos. Structural measurements as follows: 95.88m = dolomite vein @ 62° to Core Axis (2mm) 96.00m = 32° to Core Axis = chloritized laminae 97.05m = dolomite vein (1 - 3mm) @ 38° to Core Axis 97.30m = 33° to Core Axis foliation (clay, chlorite, biotite?)	GJ29016	93.00	96.00	3.00	111	23	52	1.0	4	1
			GJ29017	96.00	99.00	3.00	267	16	82	1.0	2	1
98.38	120.20	Dark grey chert. From 98.38 to 105.34m the chert is non-magnetic and contains a very fine grained, black mineral (biotite? carbon?); abundant dolomite veining. From 105.34 to 120.20m, the chert is much darker with minor magnetite and more intense secondary biotite (?), graphite (?). This subinterval is bedded locally as well. Dolomite veining is much lower in intensity in this subinterval. Magnetite must be secondary as it increases to a few % close to the contact with the intrusive (120.20m). Trace pyrite (≤0.3%) occurs throughout the interval as fine disseminations. Structural measurements are as follows: 103.00m = dolomite vein (3mm) @ 62° to Core Axis	GJ29018	99.00	102.00	3.00	129	12	35	0.7	1	14
			GJ29019	102.00	105.00	3.00	55	12	30	0.7	1	45
			GJ29020	105.00	108.00	3.00	69	16	34	0.8	4	20
			GJ29021	108.00	111.00	3.00	94	11	45	0.9	2	1
			GJ29022	111.00	114.00	3.00	87	21	31	0.5	12	1
			GJ29023	114.00	117.00	3.00	237	17	43	0.8	30	1
			GJ29024	117.00	118.50	1.50	192	21	36	0.5	24	1
			GJ29025	118.50	120.00	1.50	113	14	49	0.9	8	1

DRILL HOLE LOG

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METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ASSAYS Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	As ppm
98.38	120.20 Cont.	103.25m = dolomite vein (2mm) @ 55° to Core Axis 104.05m = dolomite vein (2mm) @ 49° to Core Axis 106.10m = bedding @ 26° to Core Axis (chlorite, biotite, graphite?) 106.25m = dolomite vein (2 - 6mm) @ 52° to Core Axis 108.90m = quartz vein (1.5mm) @ 47° to Core Axis 114.15m = dolomite vein (4mm) @ 13° to Core Axis 116.50m = bedding @ 20° to Core Axis (chlorite, biotite, graphite?) 117.30m = dolomite vein (4 - 10mm) @ 0° to Core Axis									
120.20	123.93	Altered diorite or monzodiorite (?) dyke. Mafics have altered to chlorite and felsics have altered to clay minerals. Kfeldspar veining occurs with or without Chalcopyrite (≤0.5% in total, approximately 0.1% Copper). Approximately 0.5% pyrite occurs as disseminated cubes along fractures with chlorite or pervasive. Dolomite veins cross cut the Kfeldspar/Chalcopyrite veins. Structural information is as follows: 120.80m = dolomite vein (2 - 4mm) @ 46° to Core Axis 121.90-122.0m = cobaltonitrite identifies Kfeldspar only as veins (not in groundmass - diorite) 122.25m = 3 episodes of veining. (1) Kfeldspar veining (± Chalcopyrite) (5mm) @ 69° to Core Axis and (2) Chalcopyrite veining (1mm) @ 78° to Core Axis are contemporaneous with (3) dolomite veining (2mm) @ 19° to Core Axis cross cutting both (1) and (2) 122.45m = dolomite selvaged chlorite vein (2mm) at 86° to Core Axis 123.15m = dolomite veinlet (0.5m) @ 78° to Core Axis NOTE: This intrusive may be auriferous due to the contents of Kfeldspar veining, Chalcopyrite, and magnetite (≥2% magnetite; detected by magnet only)	GJ29026 GJ29027	120.00 121.50	121.50 123.00	1.50 1.50	561 825	18 18	34 38	0.9 0.8	106 180	1 1
		* N O T E : Chalcopyrite in Kfeldspar veins and as massive vein (1mm)										
123.93	139.00	Trachytic flow of dacitic composition (?) or possibly a foliated sediment with bands of secondary Kfeldspar/chlorite. NOTE: This unit has been logged as an altered sandstone previously. Dark bands contain chlorite and biotite (?) graphite (?). Light bands are slightly clay altered. Dolomite veins occur with or without pyrite at a low to moderate intensity. Both types of dolomite veining cross cut each other. Approximately 2% pyrite occurs mostly in veins/minor disseminated). Structural measurements as follows:	GJ29028 GJ29029 GJ29030 GJ29031 GJ29032 GJ29033 GJ29034	123.00 124.50 126.00 129.00 132.00 135.00 138.00	124.50 126.00 129.00 132.00 135.00 138.00 141.00	1.50 1.50 3.00 3.00 3.00 3.00 3.00	332 226 247 310 262 120 110	14 14 13 12 27 23 18	40 38 40 49 67 22 30	0.6 0.8 0.4 0.7 1.7 1.0 0.7	45 22 17 34 1020 35 42	1 1 1 1 34 1 1

DRILL HOLE LOG

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METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ASSAYS Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	As ppm
123.93	139.00 Cont.	125.10m = dolomite veins (3mm) @ 19° to Core Axis 126.75m = 4mm dolomite vein @ 14° to Core Axis 127.50m = dolomite vein (3mm) @ 30° to Core Axis 128.24-128.44m = Kfeldspar altered monzodiorite dyke. Upper contact @ 51° to Core Axis 129.30m = quartz vein with dolomite selvages (1cm) @ 12° to Core Axis 129.70m = cobaltonitrite stain defining trachytic flow. Kfeldspar bands @ 29° to Core Axis 130.55m = dolomite/pyrite vein (3mm) @ 75° to Core Axis 131.90m = quartz vein (2mm) @ 30° to Core Axis 132.16m = flow bands @ 25° to Core Axis 133.50-134.16m = Approximately 6 - 7% pyrite as veins with dolomite and pseudomorphing fragments in breccia (134.00 - 134.16m) 136.00m = flow bands @ 14° to Core Axis 136.56m = flow bands @ 23° to Core Axis 137.40m = dolomite vein (2mm) @ 15° to Core Axis										
139.00	139.60	Clay altered monzodiorite (?) dyke. Mafics have altered to chlorite and felsics have altered to other clay minerals. Minor dolomite veinlets occur. Approximately 0.5% pyrite as disseminated blebs. Upper contact is @ 11° to Core Axis and lower contact is @ 22° to Core Axis.										
139.60	155.60	Intensely altered chert (with minor interbedded siltstone); grey, pink, green. The interval contains mostly beds altered by the following minerals: chlorite, clay minerals, pyrite and Kfeldspar. Approximately 3 - 4% pyrite occurs as wispy lineations along the bedding as well as minor veins and interstitial blebs. Structural measurements are as follows: 141.60m = pyrite vein (4 - 6mm) @ 65° to Core Axis. Chlorite selvages (≤0.5mm) 141.80m = clay/chlorite after beds @ 13° to Core Axis 144.40m = clay/chlorite after beds @ 16° to Core Axis 146.00m = clay/Kfeldspar altered beds @ 22° to Core Axis 148.00m = dolomite vein (3mm) @ 17° to Core Axis 149.10m = chlorite on fracture @ 25° to Core Axis 152.20m = dolomite vein (2mm) @ 74° to Core Axis	GJ29035	141.00	144.00	3.00	101	23	45	0.8	40	1
			GJ29036	144.00	147.00	3.00	110	16	68	1.1	34	1
			GJ29037	147.00	150.00	3.00	123	24	96	1.4	18	6
			GJ29038	150.00	153.00	3.00	217	20	99	2.0	9	1
			GJ29039	153.00	156.00	3.00	193	34	161	2.4	33	26

DRILL HOLE LOG

HOLE NO. DDH-90-G04 | PAGE 6 OF 7

METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ASSAYS Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	As ppm
155.60	180.45	Grey chert, massive to bedded with interbedded carbonaceous (?) chert might be biotite altered chert (?). Pyrite limitations occur parallel to bedding (?). Beds are 2cm ≤bed ≤20cm in width. Approximately 1 - 2% pyrite occurs as lineations along bedding and as minor fracture fill and blebs. Dolomite veining occurs at low to moderate intensity. Minor clay alteration and patchy Kfeldspar alteration occur (cobaltonitrite stain @ 158.30m) Structural information:	GJ29040	156.00	159.00	3.00	124	31	183	2.9	51	76
			GJ29041	159.00	162.00	3.00	128	30	117	2.5	20	45
			GJ29042	162.00	165.00	3.00	71	29	121	2.6	11	14
			GJ29043	165.00	168.00	3.00	89	26	141	2.1	17	21
			GJ29044	168.00	171.00	3.00	163	20	139	2.6	28	1
			GJ29045	171.00	174.00	3.00	155	36	58	2.8	278	399
			GJ29046	174.00	177.00	3.00	102	25	59	2.1	16	27
			GJ29047	177.00	180.00	3.00	97	27	56	2.1	2	24
			GJ29048	180.00	183.00	3.00	83	21	57	2.4	8	1
		155.70m = dolomite/pyrite (10%) vein (2cm) @ 64° to Core Axis										
		156.90m = dolomite veins (1 - 2mm) @ 73° to Core Axis										
		157.45m = dolomite vein (along bedding?), 1.5cm wide, @ 20° to Core Axis										
		162.80m = dolomite vein (3mm) @ 40° to Core Axis										
		164.65m = bedding in siltstone @ 17° to Core Axis										
		166.40m = clay/dolomite shear (5mm) @ 15° to Core Axis										
		168.70-169.10m = dolomite clay breccia zone										
		170.80m = bedding/pyrite lineation @ 43° to Core Axis										
		171.50m = dolomite vein (2mm) @ 72° to Core Axis										
		171.60m = pyrite vein (1.5cm) with green clay selvages (Mariposite? Fuchsite?) @ 67° to Core Axis										
		176.80m = pyrite lineations (bed?) @ 49° to Core Axis										
		177.00-177.20m = dolomite breccia										
180.45	196.99	As above, except brecciated by dolomite from 180.45 to 181.10m and 182.00 - 184.00m. Moderate dolomite veining throughout. Massive pyrite veins occur at 183.40m and 188.10m. Chalcopyrite occurs with pyrite/minor dolomite veins at 187.10m (3cm) and 187.20m (14cm). ≤0.40% Chalcopyrite/1.5m occurs = 0.1% Copper/1.5m. Structural data is as follows (w.r.t. to Core Axis):	GJ29049	183.00	184.50	1.50	195	25	43	2.4	43	7
			GJ29050	184.50	186.00	1.50	218	32	42	2.1	28	15
			GJ29151B	186.00	187.50	1.50	3977	84	214	13.6	6000	115
			GJ29152B	187.50	189.00	1.50	235	30	58	1.8	142	46
			GJ29153B	189.00	190.50	1.50	119	21	69	1.7	27	1
			GJ29154B	190.50	192.00	1.50	107	19	55	2.0	8	18
			GJ29155B	192.00	193.50	1.50	104	17	84	1.5	4	16
			GJ29156B	193.50	195.00	1.50	90	22	31	1.5	5	27
			GJ29157B	195.00	195.99	0.99	88	20	39	1.2	4	45
		183.40m = massive pyrite vein (4mm) @ 25°										
		183.75m = dolomite vein (3mm) @ 35°										
		186.00m = dolomite veins (3 X 2mm) @ 36°										
		186.10m = dolomite vein (2mm) @ 32°										
		187.10m = massive pyrite vein (3cm) with minor dolomite, trace Chalcopyrite @ 53°										
		187.20-187.40m = massive pyrite/Chalcopyrite/trace dolomite vein (14cm) @ 61° (5% Chalcopyrite)										
		188.10m = massive pyrite vein (≤1cm) @ 15°										
		188.65m = siltstone bed @ 17° (4cm wide)										
		195.25m = dolomite veins (3 X 1mm) @ 31°										
		N O T E : Chalcopyrite with massive pyrite vein										

DRILL HOLE LOG

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METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ASSAYS Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	As ppm
		END OF HOLE @ 196.99M CASING PULLED										
						SIGNIFICANT MINERALIZED INTERVALS						
			29151B	186.00	187.50	1.50	3977	84	214	13.60	6000	115
		ASSAYS	29032B	132.00	135.00	3.00	0.030	oz/ton	Au			
			29151B	186.00	187.50	1.50	0.146	oz/ton	Au			

DRILL HOLE LOG

LOCATION: KLASTLINE PLATEAU 104G-9E
130°14'W 57°39'N

HOLE NO. DDH-90-G05

AZIM: OOO°
DIP: -44°

ELEV: 1572.77m/5160 (ft)
LENGTH: 182.58m (599 ft)

CORE SIZE: BGM

DIP TEST

METREAGE	AZIMUTH	INCLINATION	CORR. INCLIN.
94.18	000°		-43°
181.05	000°		-45°

PROPERTY: ASCOT GJ (INTERNATIONAL CURATOR OPTION)

CLAIM NO: GJ
SECTION: L34+20E/17+00S

STARTED: September 8, 1990
COMPLETED: September 11, 1990
PURPOSE: Complete Section on Line 34E through I.P. anomaly

LOGGED BY: David Mehner/Jason Miller
DATE LOGGED: September 12, 1990
DRILLING CO: FALCON DRILLING
ASSAYED BY: MIN-EN LABS

CORE RECOVERY: 91%

METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ASSAYS Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	As ppm
0.00	6.10	Casing										
6.10	10.39	Blocky, black carbonaceous chert; brecciated crackled; 1% calcite; clay seams along fractures. 10.14 - 10.39 = fault gouge; grey clay; traces of disseminated and fracture pyrite; strong fracture red-brown to yellow iron stain.	GJ29101	6.10	9.00	2.90	44	22	19	1.0	6	57
			GJ29102	9.00	12.00	3.00	21	32	52	.4	4	1
10.39	13.45	Blocky, grey massive chert; crackled with 10% black carbonaceous (?) material along irregular crackle fractures; ≤0.5% disseminated and fracture pyrite; yellow iron limonite common on fractures; less limonite than above.	GJ29103	12.00	15.00	3.00	39	23	60	.2	2	20
13.45	17.34	Black carbonaceous chert; patchy; light grey chert zones; locally brecciated; can have light grey silty matrix supporting black chert fragments; minor bedding displayed throughout @ 35° to Core Axis; extremely weak to rare limonite stain; last limonite seen @ 15.94m. ≤0.5% disseminated and fracture pyrite.	GJ29104	15.00	18.00	3.00	53	26	40	.1	5	1
17.34	19.34	Medium to light grey chert; very blocky with minor grey clay on fractures; chert conglomerate from 17.34 - 17.98m; rounded chert fragments (light to medium grey) in light grey siltstone; angular pebble chert breccia from 18.57 - 19.34m; includes medium and light grey chert, siltstone and black carbonaceous chert; clay matrix; common fractures @ 45° to Core Axis.	GJ29105	18.00	21.00	3.00	41	17	39	.3	6	1
19.34	21.33	Bedded light grey to dark grey siltstone; very distorted and blocky; "Wavy" textures disrupting bedding; clay on fractures; ≤0.5% disseminated and fracture pyrite.										

DRILL HOLE LOG

HOLE NO. DDH-90-G05 | PAGE 2 OF 6

METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ASSAYS Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	As ppm
21.33	28.33	Light to medium grey chert with minor cream green siltstone (siliceous); bedded @ 45° to Core Axis; beds infrequent. Very Block; clay on some fractures; interval is crackled and cut by ≤2mm (usually ≤1mm) feldspar fractures; approximately 5 - 8%. Clay fault gouge @ 24.64 - 24.93m; clay fault gouge (?) @ 27.70 - 27.77m. 0.5 - 1.0% disseminated and fracture pyrite; mainly in siliceous clastic sections.	GJ29106	21.00	24.00	3.00	64	21	64	1.1	25	7
			GJ29107	24.00	27.00	3.00	61	24	35	1.2	18	54
			GJ29108	27.00	30.00	3.00	139	54	127	2.0	67	52
28.33	41.07	Cream green to grey siltstone, siliceous siltstone, white siliceous siltstone (coarser) and minor (≤15%) interbedded grey chert; some silicified sections. Blocky core. Dendritic texture with fracture pyrite in siltstone beds. Fracture/disseminated pyrite @ 28.33 - 33.32m is 2%; trace chalcopyrite with fracture pyrite. Feldspar (plag?) veining with pyrite blebs as envelopes are sub-parallel @ 65° to Core Axis. Overall < <1% fracture and disseminated pyrite	GJ29109	30.00	33.00	3.00	731	180	500	8.5	330	72
			GJ29110	33.00	36.00	3.00	63	17	25	0.6	6	1
			GJ29111	36.00	39.00	3.00	52	29	31	0.8	31	25
			GJ29112	39.00	42.00	3.00	62	72	115	1.2	72	164
41.07	50.56	Black, carbonaceous siltstone (60%) with interbedded, black carbonaceous chert. Bedded disseminated and fracture pyrite ≤1; crackled; dolomite fracture filling = 3 - 5%. Quartz veining = <1%; feldspar veining (plagioclase). Bedding @ 30° to Core Axis.	GJ29113	42.00	45.00	3.00	77	25	34	1.0	16	36
			GJ29114	45.00	48.00	3.00	147	22	55	2.1	315	62
			GJ29115	48.00	51.00	3.00	82	25	29	1.9	193	140
50.56	52.10	Black, carbonaceous siltstone and interbedded carbonaceous chert as above; ≤2cm wide pyrite vein runs sub-parallel to Core Axis; rare trace Chalcopyrite and arsenopyrite occur with pyrite; crackle-fractured with dominant fractures sub-parallel to Core Axis; 3 - 5% white (plagioclase) feldspar fracture filling; pyrite = 20 to 25%.	GJ29116	51.00	52.50	1.50	706	43	27	13.4	3500	2350
52.10	66.90	Black to dark grey carbonaceous chert with 30% bedded, black siltstone; crackled with 3 - 5% feldspar fracture filling; locally brecciated. bleached, pink feldspar veining with olive 54.95-55.08m = } green clay ± sericite envelopes and with trace 56.77-57.25m = } amounts of disseminated arsenopyrite with 58.23-58.48m = } trace fractures/vein pyrite *Some local foliation including pyrite + feldspar veins @ 35° to Core Axis; fracture and disseminated pyrite throughout is ≤0.5%; core is fairly blocky. Bedding @ 60.5m is 36° to Core Axis; @ 69m is 60° to Core Axis.*	GJ29117	52.50	54.00	1.50	71	30	34	0.8	273	293
			GJ29118	54.00	55.50	1.50	106	27	32	1.8	2600	762
			GJ29119	55.50	57.00	1.50	111	130	914	2.0	655	1673
			GJ29120	57.00	58.50	1.50	50	28	30	1.3	206	645
			GJ29121	58.50	60.00	1.50	62	25	31	1.4	98	146
			GJ29122	60.00	63.00	3.00	86	26	43	1.2	12	51
			GJ29123	63.00	66.00	3.00	86	27	55	1.1	29	46
			GJ29124	66.00	69.00	3.00	81	21	28	1.3	2	9
66.90	69.50	Black carbonaceous siltstone and interbedded chert, approximately 50:50. Very crackled brecciated. 8% feldspar (?) fracture filling (plagioclase); <0.5% pyrite.	GJ29125	69.00	72.00	3.00	58	20	31	1.3	17	39

DRILL HOLE LOG

HOLE NO. DDH-90-G05 | PAGE 3 OF 6

METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ASSAYS Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	As ppm
69.50	72.11	Brecciated silicified grey to dark grey siltstones; cherty; 5% matrix/fracture filling feldspar; clay seams; 0.5% to disseminated and fracture pyrite. 71.77 - 72.11m is pervasive clay altered porphyritic diorite to latite, feldspar phenocrysts are 1 - 2mm and trachytic interval contains 1 -2% disseminated pyrite (after mafics?) and possible trace disseminated Arsenopyriterite; trace fuchsite.										
72.11	76.30	Interbedded, carbonaceous chert and grey chert and siltstone; crackled, siliceous flooding; 3% feldspar fracture filling; ≤0.5% pyrite; Breccia (fault) with gouge @ 73.10 - 73.54m 73.66 - 73.85m 74.60 - 75.04m	GJ29126 GJ29127	72.00 75.00	75.00 78.00	3.00 3.00	38 86	17 18	19 20	0.7 0.7	28 3	1 8
76.30	78.42	Grey light grey silicified mudstone (?); trace bedding; weakly mottled; light green grey colour; < 1% quartz veining. Blocky core; 2 - 4% disseminated and fracture pyrite. Brecciated with sand matrix fragments.										
78.42	85.40	Grey chert; cream coloured siltstone/mudstone beds @ ≤2cm; hairline fractures with 2 - 4% fracture pyrite; 15% siltstone; 85% chert. Brecciated @ 79.49 - 81.50m with chert fragments in sandy matrix. Cream feldspar fracture filling @ 83.40 - 84.00m.	GJ29128 GJ29129 GJ29130	78.00 81.00 84.00	81.00 84.00 87.00	3.00 3.00 3.00	94 92 114	18 13 20	26 19 23	1.1 1.0 0.6	60 37 124	1 12 1
85.40	86.75	Porphyritic diorite dyke (?) totally replaced by clay; relict feldspar phenocrysts ≤2mm; 8% disseminated pyrite after mafics.										
86.75	89.95	Grey chert; ≤5% mudstone seams; crackled local brecciation; race fuchsite (2mm vein) 89.17m = ≤0.5% fracture pyrite 88.55-88.68m = feldspar veining; some pink colour in clay and 8% disseminated + vein pyrite.	GJ29131	87.00	90.00	3.0	106	19	16	0.5	80	4
89.95	95.06	Grey chert with streaky, cream coloured feldspar alteration (?) patches/flooding; display a "flowage" texture; locally (≤1%) feldspar is pink; interval contains 4 - 5% fracture and disseminated pyrite.	GJ29132 GJ29133	90.00 93.00	93.00 96.00	3.00 3.00	78 67	20 12	18 21	0.8 0.7	4 2	1 29

DRILL HOLE LOG

HOLE NO. DDH-90-G05 | PAGE 4 OF 6

METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ASSAYS Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	As ppm
95.06	98.80	Similar to above but less feldspar flooding, more chert (≥85%) and ≤1% fracture pyrite.	GJ29134	96.00	99.00	3.00	54	23	16	0.8	9	38
98.80	102.25	As 89.85 - 95.06m; foliated with brecciation parallel to foliation @ 18° to Core Axis; cream alteration patches could be altered siltstone which is "remobilized"; light green, pink and grey colours related to foliation and pyrite veining which is parallel. 4 - 5% vein/fracture pyrite. 60% chert; 40% altered mudstone/siltstone.	GJ29135	99.00	102.00	3.00	107	15	12	0.8	19	1
102.25	106.22	As above but ≤1% pyrite; local brecciation with cream coloured feldspar fracture filling. Change to 50% chert, 50% altered mudstone/siltstone (siliceous); bedding @ 40° to Core Axis.	GJ29136	102.00	105.00	3.00	88	18	21	0.9	18	33
			GJ29137	105.00	108.00	3.00	93	12	22	0.6	21	1
106.22	135.30	Unit appears to be mainly siliceous mudstone with minor chert (≤15%); has grey, grey-brown and blue-grey colour with suggestion of bedding and foliation. Bright blue-green-grey colour due to minor chromium rich mica (?).	GJ29138	108.00	111.00	3.00	83	24	25	1.0	16	1
			GJ29139	111.00	114.00	3.00	54	10	32	0.6	3	1
			GJ29140	114.00	117.00	3.00	25	13	40	0.4	5	1
			GJ29141	117.00	120.00	3.00	28	13	23	0.5	9	1
			GJ29142	120.00	123.00	3.00	19	17	19	0.5	2	1
		108.26-111.39m = polymictic breccia of chert and siliceous mudstone of all types; interval very hard and siliceous; ≤1% chlorite locally, weakly mottled.	GJ29143	123.00	126.00	3.00	62	22	53	0.9	15	30
			GJ29144	126.00	129.00	3.00	150	36	82	1.4	52	51
			GJ29145	129.00	132.00	3.00	104	43	189	1.2	31	59
		≤0.5% pyrite; generally trace and then only on fractures; also as wispy lineations at irregular orientations (≤.25mm).	GJ29146	132.00	135.00	3.00	106	29	34	1.1	9	60
135.30	155.53	Dark carbonaceous siltstone and grey siltstone (70%); well bedded with 30% dark carbonaceous and grey chert (could be just more intensely silicified siltstone). 1% dolomite veining occurs throughout the interval. Beds average 0.5cm to 10cm thick. Some grey siltstone has been altered to brown clay (5% of rock). ≤1% pyrite occurs finely disseminated along bedding. Structural measurements w.r.t. the Core Axis are as follows:	GJ29147	135.00	138.00	3.00	86	31	81	2.0	27	105
			GJ29148	138.00	141.00	3.00	61	18	42	2.0	41	47
			GJ29149	141.00	144.00	3.00	57	22	47	1.4	9	85
			GJ29150	144.00	147.00	3.00	66	17	51	1.5	25	72
			GJ29051	147.00	150.00	3.00	73	25	56	2.5	190	68
			GJ29052	150.00	153.00	3.00	61	23	52	1.9	23	69
			GJ29053	153.00	156.00	3.00	84	23	205	2.4	26	29
		140.70m = pink dolomite vein (22cm) @50°										
		142.30m = dolomite vein (1.5mm) @ 53°										
		141.00m = bedding @ 45°										
		147.15m = bedding @ 31°										
		148.30m = bedding @ 45°										
		154.13m = bedding @ 24°										
		155.10m = bedding @ 30°										

DRILL HOLE LOG

HOLE NO. DDH-90-G05 | PAGE 5 OF 6

METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ASSAYS Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	As ppm
155.53	167.55	Dark carbonaceous siltstone with minor interbedded, clay altered grey siltstone (≤15%). 2% dolomite veining (minor brecciation locally). 2% pyrite throughout (locally ≤5%) occurring as veins with dolomite and disseminated along bedding/foliation. A mottled foliation occurs from 161.90m to 162.80m consisting of dolomite/pyrite/hematite/clay/silicified siltstone. The foliation is 24° to Core Axis. Structural information w.r.t. Core Axis is as follows: 156.15m = dolomite veins (4 X 1mm) @ 42° 156.25m = dolomite/pyrite vein (4mm) @ 34° 156.80m = dolomite veins (3 X 1mm) @ 45° 159.00m = pyrite and sph (?) and hematite along bedding/foliation @ 28° 161.30m = pyrite/dolomite vein (2mm) @ 25° 161.60m = pyrite selvaged dolomite vein (8mm) @ 33° 162.63m = dolomite vein (1mm) @ 26° 164.00m = pyrite/dolomite vein (1 - 2cm) @ 39°	GJ29054 GJ29055 GJ29056 GJ29057	156.00 159.00 162.00 165.00	159.00 162.00 165.00 168.00	3.00 3.00 3.00 3.00	108 99 112 73	18 18 16 30	2825 1914 7993 400	4.9 4.1 4.7 3.2	455 164 1050 41	52 107 53 112
167.55	172.20	Interbedded black carbonaceous and grey siltstone. Bedding is mottled in places due to silicification. 2 - 3% dolomite veining and brecciation occurs along fractures which show ≤1cm displacement (left-lateral). ≤1% pyrite occurs as veins with dolomite and along bedding. Clay coats ≤30% of the fractures. The unit is 50% black siltstone and 50% grey siltstone. Structural information w.r.t. the Core Axis is as follows: 168.05m = bedding @ 32° 168.70m = dolomite/pyrite (10%) vein (20cm) @ 48° 171.40m = dolomite breccia veins (3 X 1cm) @ 65° 171.90m = dolomite veinlet (1mm) with left-lateral displacement (1cm) @ 58°	GJ29058 GJ29059	168.00 171.00	171.00 174.00	3.00 3.00	105 106	16 20	144 928	2.3 1.5	54 37	35 59
172.20	179.53 EOH	Light blue-grey, intensely silicified siltstone (≤0.5% carbonaceous siltstone). A quartzite in places. Some beige clay beds/foliations (≤5%). 1% dolomite veining occurs with/without pyrite. 2% pyrite occurs along bedding and in veins. Pyrite occurs along bedding @ 22° to Core Axis. @ 178.75m one quartz veining has been identified 55° to Core Axis. @ 176.60m (1 - 2mm) wide. E.O.H. @ 179.53m	GJ29060 GJ29061	174.00 177.00	177.00 179.53 E.O.H.	3.00 2.53	55 45	16 21	62 77	1.0 1.0	12 22	71 33

DRILL HOLE LOG

HOLE NO. DDH-90-G05

METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ASSAYS Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	As ppm
		ASSAYS 03/ton Au - 03/ton Ag	GJ29116B	51.00	52.50	1.5			0.093			
			GJ29118B	54.00	55.50	1.5			0.082			
			GJ29056	162.00	165.00	3.0			0.030			0.13
		Significant Mineralized Intervals		51.00	55.50	4.50	294	33	31	5.3	2124	1135

LOCATION: KLASTLINE PLATEAU 104G9E
130°13'W 57°39'N

DRILL HOLE LOG

HOLE NO. DDH-90-G06

AZIM: 000°
DIP: -45°

ELEV: 1527.05m (5010 ft.)
LENGTH: 178.92m (587 ft.)

CORE SIZE: BGM

DIP TEST

METREAGE	AZIMUTH	INCLINATION	CORR. INCLIN.
89.46	000°		-45.5°
178.92	000°		-43°

PROPERTY: ASCOT GJ (INTERNATIONAL CURATOR OPTION)

CLAIM NO: SPIKE 2
SECTION: L1600E/9+65S (I.P. GRID)

STARTED: September 11, 1990
COMPLETED: September 13, 1990
PURPOSE: To test the I.P. anomaly on line 1600E, I.P. grid.

LOGGED BY: JASON MILLER
DATE LOGGED: September 17 - 19, 1990
DRILLING CO: FALCON DRILLING
ASSAYED BY: MIN-EN LABS

CORE RECOVERY: 84%

METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ASSAYS Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)	As (ppm)
0.00	2.74	CASING - NO CORE										
2.74	14.07	Silicified black carbonaceous siltstone with minor interbedded grey, silicified siltstone. Minor to moderate dolomite veinlets occur throughout the interval. Limonite along fractures is common. ≤0.5% pyrite occurs finely disseminated with the silicification (light grey quartz flooding). Structure data is as follows: 4.50 = dolomite veinlet (1mm) @ 45° to Core Axis 7.90 = dolomite vein (1mm) @ 36° to Core Axis 9.20 = dolomite veins (2 x 2mm) @ 35° and 52° to Core Axis	GJ29158	2.74	6.00	3.26	41	33	35	.3	3	27
			GJ29159	6.00	9.00	3.00	26	32	38	.4	4	30
			GJ29160	9.00	12.00	3.00	73	18	46	.5	2	71
			GJ29161	12.00	15.00	3.00	37	27	34	.6	4	70
14.07	16.70	FAULT ZONE = grey to brown clay gouge, rubble, abundant limonite stained fractures ≥60% core loss. Fragments of silicified grey and black siltstone occur. No visible sulphide.	GJ29162	15.00	18.00	3.00	40	21	55	.2	8	5
16.70	20.42	Silicified grey siltstone occurs from 16.70 to 18.20m. From 18.20 to 19.00m, two small (20cm) dykes occur (clay-altered diorites?). Abundant limonite stained fractures occur most frequently near the intrusive contacts. No visible sulphide. Dolomite veining is minor and one vein 5mm wide is @ 20-24° to the Core Axis.	GJ29163	18.00	21.00	3.00	33	60	248	1.0	95	46
20.42	34.38	Black carbonaceous siltstone, massive. Minor, grey silicification occurs with finely disseminated pyrite (~1% throughout). The first metre (20.42 to 21.42m) contains more silicification quartz veining, pyrite and limonite staining than the rest of the interval. Minor dolomite veinlets occur throughout. Abundant rubble with local clay gouge indicates some fault activity between 21.00m and 27.50m. There are only three pieces ≥10cm here between 21.00m and 27.50m. Limonite staining ends at 23.65m.	GJ29164	21.00	24.00	3.00	72	94	743	2.9	818	252
			GJ29165	24.00	27.00	3.00	72	35	106	2.0	23	78
			GJ29166	27.00	30.00	3.00	48	31	156	1.5	14	66
			GJ29167	30.00	33.00	3.00	154	52	1943	2.1	14	30
			GJ29168	33.00	36.00	3.00	64	40	78	1.2	18	4

DRILL HOLE LOG

HOLE NO. DDH-90-G06 | PAGE 2 OF 5

METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ASSAYS Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)	As (ppm)
20.42	34.38 cont.	Veining occurs at the following angles to the Core Axis:										
	NOTE: No limonite after 23.65m-oxidized/reduction interface	20.50 = dolomite/pyrite vein (≤1cm) @ 45° 20.75 = quartz/minor pyrite vein (3mm) @ 78° 20.80 = quartz, pyrite vein (30% pyrite) @ 63° (2cm) 32.05 = dolomite vein (2mm) @ 52°										
34.38	41.75	Green plagioclase porphyritic clay/chlorite altered diorite dyke (34.38-37.10m); black carbonaceous siltstone with intense dolomite veining (37.10-37.40m); and clay/sericite? altered sandstone (fine grained) with minor chert clasts (well rounded, ≤4mm diameter) occurring from 37.40m to 39.35m. The diorite at the beginning of the interval is porphyritic, fine grained and equigranular. Bedded siltstones (black, grey) occur from 39.35m to 41.75m with minor pale coloured sandstone clasts. Clay alteration here (39.35-41.75m) is intense with minor rubble (fault?).	GJ29169	36.00	39.00	3.00	67	26	145	0.8	13	1
			GJ29170	39.00	42.00	3.00	49	34	118	2.9	26	1
41.75	51.40	Black carbonaceous siltstone. Chalky, flat colour when dry. Extremely low grade bitumen (?). Minor dolomite veining occurs. Abundant rubble from 41.75m to 46.00m due to the brittleness. Slightly phyllitic along fractures. Dolomite vein @ 69° to the Core Axis (1mm) @ 46.60m.	GJ29171	42.00	45.00	3.00	73	40	175	4.5	24	43
			GJ29172	45.00	48.00	3.00	87	37	288	3.9	15	58
			GJ29173	48.00	51.00	3.00	63	25	87	0.5	29	1
		49.50 = pyrite along bedding @ 35° to Core Axis (~3% pyrite/10cm)										
		NOTE: There is 2% pyrite finely disseminated throughout.										
51.40	89.45	Grey fine grained massive sandstone; immature with plagioclase grains ≤1mm; pervasive clay alteration. Contains 5% black siltstone clasts (1-10mm) as well as ≤20cm fragments of bedded siltstone. Carbon occurs along fractures (upgraded to graphite in some cases) throughout the interval. Pyrite occurs with calcite veins from 75.40m to 81.30m (2% veined pyrite). Structural measurements as follows (w.r.t. the Core Axis):	GJ29174	73.50	75.00	1.50	53	23	69	0.9	1	1
			GJ29175	75.00	76.50	1.50	148	119	261	2.8	151	24
			GJ29176	76.50	78.00	1.50	120	114	699	2.8	81	294
			GJ29177	78.00	79.50	1.50	355	120	239	4.5	101	13
			GJ29178	79.50	81.00	1.50	79	31	164	0.8	1	1
		59.75 = calcite/pyrite vein (5% pyrite), 1.5cm, @ 86° 61.15 = calcite vein (1mm) @ 50° 61.65 = calcite vein (2mm) @ 47° 61.75 = calcite vein (2mm) @ 33° 62.70 = calcite vein (3mm) @ 65°										

DRILL HOLE LOG

HOLE NO. DDH-90-G06 | PAGE 3 OF 5

METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ASSAYS Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)	As (ppm)
		63.00 = calcite vein (3mm) @ 26° 72.24 = calcite/chlorite breccia (7-10cm) @ 36° 75.60 = 40% calcite/pyrite veining over 12cm @ 50° average 12-15% pyrite/12cm 76.20 = 7cm wide calcite/pyrite vein (≥12% pyrite) @ 57° 79.90 = calcite/pyrite vein (2mm) @ 67° 81.05 = calcite/pyrite vein (6mm) @ 32° 84.50 = calcite vein (1mm) @ 35° 89.45 = calcite vein (2cm) and graphite at contact @ 29°									
89.45	118.80	Green, fine grained bedded sandstone with interbedded black siltstone; graded bedding occurs with flame structures indicating tops (when bedding is >0% to Core Axis). Bedding is parallel to Core Axis from 89.45m to 101.90m. The green sandstone is very immature, well consolidated, plagioclase grains are euhedral and clay altered. The sediments are often dislocated by calcite veining (pink, white) which totals ~1.0-1.5% throughout the interval. Carbon, chlorite, and graphite (?) occur along fractures. Displacement is predominantly right-lateral slip. A calcite breccia occurs from 118.60m-118.80m with 5-6% pyrite as blebs. Pyrite is absent in the rest of the interval. Bedding from 101.90m to 118.80m ranges from 22° to 65° to Core Axis. Pyrite is absent except for 103.50m to 103.70m (5%) where it occurs as blebs along bedding (primary?). Structural data is as follows (w.r.t. the Core Axis): 92.05 = 3 calcite veins (1mm true thickness) @ 37° 92.20 = calcite vein (3mm) @ 50° 98.30 = 4 calcite veins (1-3mm) @ 55° average 98.90 = calcite vein (4mm) @ 40° 99.95 = calcite breccia (5cm true thickness) @ 50° 101.20 = calcite vein (3mm) @ 60° 103.35 = pink calcite vein (2-3mm) @ 61° 109.20 = calcite vein (5mm) @ 61° 114.00 = calcite vein (2-5mm) @ 5° 114.95 = calcite vein (4cm true thickness) @ 35° 117.00 = calcite vein (6-7mm true thickness) @ 42°	GJ29179	102.00	105.00	3.00	129	16	66	0.5	18	1

DRILL HOLE LOG

HOLE NO. DDH-90-G06 | PAGE 4 OF 5

METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ASSAYS Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)	As (ppm)
118.80	122.20	Interbedded black carbonaceous siltstone and grey fine grained sandstone; exhibits graded bedding, cross-bedding, and very thin laminae (≤1mm). Contains clasts of augite porphyry (3mm = average phenos) and plagioclase porphyry (≤1mm phenos). Clasts are ≤10cm. Finely disseminated pyrite occurs throughout interval as well as with calcite after clast phenos totalling 5% pyrite throughout. Bedding ranges from 48°-57° to Core Axis. A calcite breccia occurs from 121.70-122.20m (15% calcite).	GJ29180	118.00	121.00	3.00	124	24	1416	1.5	31	1
122.20	122.40	Fault gouge - grey to black with fragments of the above rock type. 5% calcite veining.										
122.40	149.60	Grey, immature, fine grained sandstone with interbedded black carbonaceous siltstone as described between 89.45m and 118.80m. Contains approximately 1% carbonate veining (dolomite and calcite). 1 - 2% pyrite occurs as veinlets and veins with carbonate from 122.40m to 135.50m. ≤0.3% pyrite occurs finely disseminated from 135.50 - 149.60m. Structural measurements (w.r.t. the Core Axis) are as follows: 123.70m = bedding @ 45° ; tops = up-hole defined by graded bedding 127.00m = pyrite vein (2mm) @ 58° 127.40m = pyrite/calcite vein (1cm) @ 76° 134.50m = bedding @ 19° to Core Axis 134.75m = pyrite/carbonate vein @ 43° (2cm wide); 60% pyrite 135.20m = pyrite/carbonate vein @ 49° (3cm wide); 60% pyrite 136.50m = calcite vein (2mm) @ 48° 137.50m = calcite vein (2mm) @ 35° 139.15m = calcite vein (3mm) @ 50° 146.90m = bedding @ 35°	GJ29181 GJ29182 GJ29183 GJ29184 GJ29185 GJ29186 GJ29187	121.00 124.00 127.00 130.00 133.00 136.00 149.00	124.00 127.00 130.00 133.00 136.00 139.00 152.00	3.00 3.00 3.00 3.00 3.00 3.00 3.00	66 68 104 813 154 87 68	28 36 28 26 39 14 36	61 92 133 76 230 85 45	1.1 0.8 1.0 2.5 1.9 0.8 0.9	1 3 25 108 141 3 1	1 1 1 1212 362 1 1
149.60	152.00	Polylithic clastic breccia with sedimentary clasts = chert, siltstone and sandstone; fragment supported with sandy matrix. Sandstone bed (massive) from 149.80m to 150.50m. Clasts average from 3mm - 30mm in size and are sub-rounded to angular. 1% pyrite occurs as fine disseminations and veins. 1% calcite veining occurs at the following orientations w.r.t. the Core Axis: 15° (5mm); 43° (4mm); 30° (3mm) and 28° (1mm).										

DRILL HOLE LOG

HOLE NO. DDH-90-G06

METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ASSAYS Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)	As (ppm)
152.00	178.92 EOH	Grey, immature sandstone, fine grained with interbedded black carbonaceous siltstone as described previously (89.45 - 118.80m). 90% sandstone, 10% siltstone from 152.00 - 161.80m. Clay altered plagioclase porphyritic dyke (diorite?), light green (sericite?) occurs from 161.80 - 162.20m. 90% siltstone, 10% sandstone occurs from 162.20 - 178.92m. 1 - 2% calcite veining occurs throughout with minor dolomite veining (≤0.5%). Trace pyrite (≤0.3%) occurs with calcite veining. Structural information is as follows (w.r.t. the Core Axis): 152.40m = calcite vein (3mm) @ 38° 152.50m = pyrite along fracture @ 28° 153.10m = calcite veins (2 X 1mm) @ 37° 154.15m = bedding @ 33° 155.10m = calcite vein (2mm) @ 33° 163.00m = calcite vein with 1% pyrite (1 - 3cm) @ 43° 165.25m = calcite vein (1 - 7mm) @ 13° 167.00-167.50m = bedding @ 34° 168.10m = bedding @ 35° 168.80m = calcite veins (10 X 1mm) @ 74° 169.95m = calcite vein (3mm) @ 18° 174.25m = bedding @ 31° NOTE: Ball and pillow structures indicate tops direction is up-hole. EOH @ 178.92m - Casing Pulled. NO SIGNIFICANT MINERALIZED INTERVALS	GJ29188	161.00	164.00	3.00	50	20	31	1.0	1	1

DRILL HOLE LOG

LOCATION: KLASTLINE PLATEAU 104G9E
130°13'W 57°39'N

HOLE NO. DDH-90-G07

PROPERTY: ASCOT GJ (INTERNATIONAL CURATOR OPTION)

AZIM: 340°
DIP: -45°

ELEV: 1,475m/4,839 (ft)
LENGTH: 184.40 m (605 ft)CORE
SIZE: BGM

DIP TEST

METREAGE	AZIMUTH	INCLINATION	CORR. INCLIN.
92.96	340°		-44.5°
181.36	340°		-44.5°

CLAIM NO: SPIKE 2
SECTION: 1120E/15+10S I.P. GRID

STARTED: September 14, 1990
COMPLETED: September 16, 1990
PURPOSE: To test colour and I.P. anomaly on Line 1120E, I.P. Grid

LOGGED BY: JASON MILLER
DATE LOGGED: September 19 - 21, 1990
DRILLING CO: FALCON DRILLING
ASSAYED BY: MIN-EN LABS

CORE RECOVERY: 95%

METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ASSAYS Cu	Pb	Zn	Ag	Au	As
0.00	3.05	Casing										
3.05	11.80	White to dark blue quartzite (possibly silicified sediments - some evidence of bedding). All fractures are limonite stained. A mottled blue to white colour is dominant. Very carbonaceous with carbon and graphite from 11.00m to 11.80m. Low RQD throughout, very fractured. No visible sulphide or veining.	GJ29189	3.05	6.00	2.95	49	25	66	.1	1	12
			GJ29190	6.00	9.00	3.00	55	26	53	.2	1	12
			GJ29191	9.00	12.00	3.00	52	23	39	.7	1	6
11.80	14.50	Light green, clay altered, plag porphyritic intrusive (diorite?). Fine grained with needle-like plag laths (0.25mm X 1.0mm). Green clay occurs (1-2%) which could be mariposite or fuchsite. All fractures share limonite stains which penetrate up to 1cm into the country rock on either side. Clay alteration is pervasive and intense (± sericite?). 0.5% dolomite veining occurs at the following angles to Core Axis: 32° (1.5mm wide) and 26° (2.5mm). No visible sulphides.	GJ29192	12.00	15.00	3.00	46	23	47	.6	1	12
14.50	61.90	Light blue to dark blue mottled quartzite. There is some evidence of bedding, suggesting that these are silicified and recrystallized sediments (siltstone/sandstone). Fractures are very carbonaceous with carbon and graphite. Limonite is common on fractures as well until 25.70m. Brecciation of the quartzite (≤3%) occurs with a carbonaceous matrix. Pyrite occurs along fractures with carbon/ graphite (≤0.5%). ½% dolomite veining occurs at the following angles to the Core Axis: 24.10 = 70° (2mm) 22.10 = 35° (2mm) 42.50 = 35° (4mm) 46.60 = 66° (4mm) 60.50 (1-4mm) = 13°	GJ29193	15.00	18.00	3.00	58	18	41	.4	1	17
			GJ29194	18.00	21.00	3.00	94	22	40	.5	1	1
			GJ29195	57.00	60.00	3.00	33	20	41	.9	1	1
			GJ29196	60.00	63.00	3.00	68	6	42	1.1	1	1

DRILL HOLE LOG

HOLE NO. DDH-90-G07 | PAGE 2 OF 5

METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ASSAYS Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	As ppm
14.50	61.90 cont.	Pyrite occurs as fracture fill @ 42.25 (28° to C.A.). Bedding at 27.50m was 24° w.r.t. C.A. NOTE: No limonite past 25.70m = oxidation/reudction interface. The unit becomes a lighter green-grey colour from 58.55-61.90m. This is due to less carbon content distributed pervasively throughout the rock (still along fractures).										
61.90	78.75	Propyliticly altered, medium-grained, porphyritic monzodiorite. Green colour with speckled dark and pink grains (chlorite and KF respectively). Grain size average is 1-4mm. Mafic phenos have altered to chlorite, primary KF phenos compose ~10% of the rock. Plag phenos have been altered by chlorite and clay minerals. Carbon/graphite along fractures occurs but is less common than above (14.50-61.90m). 2% dolomite veining occurs throughout the interval. No visible sulphide. Structural measurements are as follows (w.r.t. the Core Axis): 62.85 = dolomite vein 3mm wide @ 17° 62.95 = dolomite vein 4mm wide @ 33° 63.40 = dolomite hematite vein (2mm) @ 40° 71.00 = hematite/dolomite vein (2mm) @ 16° 70.10 = carbon on fractures @ 38° 72.40 = dolomite vein 5mm wide @ 15° 74.00 = dolomite vein 3mm wide @ 28° 77.60 = dolomite vein 3mm wide @ 50° 77.80 = dolomite vein 3mm wide @ 47°	GJ29197	63.00	66.00	3.00	153	6	71	1.2	1	1
			GJ29198	66.00	69.00	3.00	154	8	74	1.2	2	1
			GJ29199	69.00	72.00	3.00	143	6	53	1.4	3	1
			GJ29200	72.00	75.00	3.00	155	4	77	1.1	1	1
			GJ29501	75.00	78.00	3.00	110	3	55	1.3	1	1
78.75	102.60	Light green-grey to dark grey foliated sediments. Low grade metamorphism with clay minerals producing a foliation parallel to original bedding. Light grey laminae are clay altered sandstone. Dark grey laminae are less altered carbonaceous siltstone. Some siltstone fragments exhibit stretching or elongation along the foliation. Contorted from 78.75-85.2. 0.5-1.0% dolomite veining occurs along the foliation as well as obliquely cross-cutting. No visible sulphides. ≥80% carbonaceous siltstone occurs from 78.75m to 85.00m and 102.40-102.60m (90%). A slight greenish hue to some clay suggests sericite. Structural information is as follows (w.r.t. the Core Axis): 85.60 = foliation/bedding @ 40° 89.60 = foliation/bedding from 31°-47°	GJ29502	78.00	81.00	3.00	65	11	49	0.7	1	1
			GJ29503	81.00	84.00	3.00	42	16	44	0.8	1	1
			GJ29504	99.00	102.00	3.00	39	16	61	0.6	1	1

DRILL HOLE LOG

HOLE NO. DDH-90-G07 | PAGE 3 OF 5

METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ASSAYS Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	As ppm
		92.05 = foliation/bedding @ 48° 93.50 = bedding at 55° 94.88 = foliation @ 40° 97.80 = foliation @ 35°										
102.60	108.00	Pink and turquoise, mottled trachytic flow (?) or possibly an intensely altered sediment package. Minerals include KF (85%), quartz/sericite = green (10%) and clay ≤0.5% pyrite as massive veinlets. 5% quartz veining throughout. Structural measurements w.r.t. the Core Axis are as follows: 105.50 = flow bands @ 38° 106.80 = quartz vein along flow bands @ 54° Other notes: Quartz occurs as flooding mostly. No carbonate veining (Post-carbonate-veins).	GJ29505 GJ29506	102.00 105.00	105.00 108.00	3.00 3.00	46 30	14 16	62 38	0.8 0.7	1 1	1 20
108.00	142.02	Mottled light blue quartzite; probably silicified and recrystallized sediments (sandstone and siltstone) as described from 14.50 to 61.90m. 5% is sandstone laminae, which has been altered to clay minerals. Primary chert occurs (not mottled; no bedding). Carbon and graphite occur on most fractures. Very carbonaceous (≥50%) from 108.00 to 110.00m, 0.5% dolomite veining occurs. 1% cubic pyrite occurs along fracture bedding and in veins. Structural measurements are as follows (w.r.t. the Core Axis): 113.10 = bedding @ 58° 116.10 = bedding @ 52° 118.40 = dolomite vein (2mm) @ 27° 118.70 = dolomite vein (2mm) @ 52° 119.05 = dolomite vein (4mm) @ 59° 119.70 = pyrite along bedding (1-3mm) @ 38° 121.55 = pyrite along bedding (10 x .5mm) @ 35° 122.00 = bedding @ 18° 124.50 = bedding @ 52° 124.80 = pyrite along fracture @ 13° 125.55 = quartz vein (chert band?) @ 40° (1cm) 127.00 = bedding @ 33° 128.60 = bedding @ 38°	GJ29507 GJ29508 GJ29509 GJ29510	108.00 111.00 138.00 141.00	111.00 114.00 141.00 144.00	3.00 3.00 3.00 3.00	37 23 51 35	32 15 22 9	70 50 82 65	1.2 0.5 0.7 0.4	13 1 40 1	40 18 53 1

DRILL HOLE LOG

HOLE NO. DDH-90-G07 | PAGE 4 OF 5

METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ASSAYS Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	As ppm
142.02	162.10	Interbedded altered siltstone and sandstone (average thickness of laminae = 0.5cm). Good bedding is exhibited throughout the interval. Carbonaceous siltstone occurs with clay altered sandstone as well as quartzite (silicified sandstone or primary chert?). Band black and light blue colour. Carbon and/or graphite is common on fractured surfaces. ≤0.5% dolomite veining occurs throughout. ≥50% carbonaceous siltstone occurs from 147.30m to 150.30m and 151.75m-157.25m. 1% pyrite occurs as disseminations and along bedding which appears to be more common in the carbonaceous siltstone. Abundant rubble, fracturing, minor clay occur from 154.00 - 157.00m = possible fault. Structural measurements are as follows (w.r.t. the Core Axis) (tops = uphole): 149.90 = dolomite veins (3 x 1mm) @ 20° 150.75 = bedding @ 52° (with 0.5mm pyrite bed) 151.50 = bedding with 104mm pyrite bed @ 34° (also graphite along fracture) 151.80 = bedding @ 38° 157.25 - pyrite along fracture @ 72° 158.10 = bedding @ 58°	GJ29511	144.00	147.00	3.00	47	13	60	0.5	1	11
			GJ29512	147.00	150.00	3.00	62	17	146	1.6	1	61
			GJ29513	150.00	153.00	3.00	58	14	95	0.7	1	63
			GJ25914	153.00	156.00	3.00	74	21	207	1.2	1	66
			GJ29515	156.00	159.00	3.00	45	16	115	0.8	1	1
			GJ29516	159.00	162.00	3.00	29	16	58	0.8	3	40
162.10	173.21	Brecciated and well fractured plag-augite porphyry andesite flow. Fragments are light brown with clay and sericite alteration as opposed to the black matrix which is carbonaceous material (≥5%). 2% dolomite veining occurs at the following angles (w.r.t. the Core Axis): 166.66 = dolomite vein (2mm) @ 35° 166.86 = dolomite vein (1mm) @ 55° 169.20 = dolomite vein (2mm) @ 36° 169.50 = dolomite vein (3mm) @ 14°	GJ29517	162.00	165.00	3.00	42	23	84	1.2	21	97
			GJ29518	165.00	168.00	3.00	117	13	54	1.4	3	29
			GJ29519	168.00	171.00	3.00	118	10	56	2.0	2	1
			GJ29520	171.00	174.00	3.00	108	19	80	1.6	3	14
173.21	179.31	Dark grey altered sediments (siltstone, sandstone, ±chert?); carbonaceous. 1% dolomite veining. Contorted and brecciated in places. Carbon and graphite are common along fractures as well as trace pyrite (≤0.3% pyrite).	GJ29521	174.00	177.00	3.00	52	16	74	0.9	9	17
			GJ29522	177.00	180.00	3.00	55	29	60	1.1	4	12

DRILL HOLE LOG

HOLE NO. DDH-90-G07

METREAGE FROM	METREAGE TO	DESCRIPTION	SAMPLE NO.	METREAGE FROM	METREAGE TO	LENGTH	ASSAYS Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	As ppm
179.31	184.40 E.O.H.	Light green-grey clay altered sediments (sandstone and siltstone). Green clay (mariposite? fuchsite?), chlorite, sericite, and other clay minerals are common. 180.94-184.40m ≤5% altered. ≥30% altered from 179.31-180.94m. No visible sulphide. One quartz/hem vein occurs (8mm) but at an irregular orientation. ≤0.5% dolomite veining is present. Massive chlorite bands (no slickensides) occur at 33° and 64° to the Core Axis (2cm wide each). NO SIGNIFICANT INTERVALS	GJ29523 GJ29524	180.00 182.00	182.00 184.40 E.O.H.	2.00 2.40	63 43	27 14	66 75	0.8 0.6	4 4	1 1

DRILL HOLE LOG

LOCATION: KLASTLINE PLATEAU 104G-9E
130°14'W, 57°39'N

HOLE NO. DDH-90-G-11

AZIM: 180°
DIP: -45°

ELEV:
LENGTH: 183.49m

CORE SIZE: BGM

DIP TEST

METREAGE	AZIMUTH	INCLINATION	CORR. INCLIN.
91.44	180		-44°
183.49	180		-42°

PROPERTY: ASCOT GJ (INTERNATIONAL CURATOR OPTION)

CLAIM NO: GJ
SECTION: L4E/

STARTED: October 8, 1990
COMPLETED: October 10, 1990
PURPOSE: Test Cu-Au soil geochem anomaly on west side of Groat Cr, N.W. of 81-7

CORE RECOVERY: 93%

LOGGED BY: Jason Miller
DATE LOGGED: October 9-October 11, 1990
DRILLING CO: FALCON DRILLING
ASSAYED BY: MIN-EN LABS

INTERVAL FROM	INTERVAL TO	DESCRIPTION	SAMPLE NO.	INTERVAL FROM	INTERVAL TO	LENGTH	ANALYSES Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	As ppm
0.00	4.57	Casing										
4.57	11.89	Hornblende porphyritic diorite intrusive. Hornblende have altered to chlorite. Fine grained plagioclase laths compose the ground mass (5% clay/calcite alteration). 5% mafics are present and the igneous texture is somewhat mottled by the clay/calcite alteration. Intense iron stained fractures occur from 4.57-6.50m. ~6-7% patchy K-feldspar occurs as well as ~2% epidote as calcite veinlet selvages (0.5% calcite veining). Some of the larger calcite veins (3-4mm) occur at 38°, 54°, 32°, 34°, and 15° to core axis 3% pyrite occurs finely disseminated and with calcite veinlets (≤0.5mm) at preferred orientations 28° and 58° to core axis.	GJ31248	4.57	6.00	1.43	193	20	94	1.5	85	282
			GJ31249	6.00	9.00	3.00	138	13	79	1.1	23	35
			GJ31250	9.00	12.00	3.00	140	20	68	1.0	13	4
11.89	43.55	Hornblende porphyritic diorite intrusive as above only no clay/calcite alteration. Equigranular except for smaller hornblende phenocrysts (≤1.0mm). 1-2% magnetite occurs locally (primary). The rock is composed of 20-25% mafics and 70% plagioclase. 5%-7% secondary K-feldspar occurs altering plagioclase grains. Mafics have altered to chlorite. 1% calcite veining occurs and ≤0.5% quartz veining, both of which contain pyrite. 5% pyrite occurs in these veins as well as dissemination. Structural measurements with relation to the core axis are as follows: 14.50m = calcite vein (3mm) @ 26° 16.20m = calcite/hematite vein (0.5mm) @ 38° 16.30m = calcite/pyrite veins (2x1mm) @ 14° 17.45m = calcite vein (2mm) @ 25° 17.90m = calcite/chlorite vein (3mm) @ 25° 20.25m = calcite/pyrite vein (2mm) @ 35° 20.85m = quartz/pyrite vein (8-10mm) @ 35°	GJ31251	12.00	15.00	3.00	95	14	27	1.2	4	1
			GJ31252	15.00	18.00	3.00	95	22	25	1.0	3	1
			GJ31253	18.00	21.00	3.00	728	21	232	3.3	180	302
			GJ31254	21.00	24.00	3.00	250	20	67	1.4	21	60
			GJ31255	24.00	27.00	3.00	427	9	36	1.8	28	1
			GJ31256	27.00	30.00	3.00	181	12	23	1.2	24	1
			GJ31257	30.00	33.00	3.00	162	11	32	0.8	28	15
			GJ31258	33.00	36.00	3.00	190	38	72	1.5	113	1
			GJ31259	36.00	39.00	3.00	204	11	43	1.6	36	13
			GJ31260	39.00	42.00	3.00	234	16	60	1.7	22	1

DRILL HOLE LOG

HOLE NO. DDH-90-G-11 | PAGE 2 OF 5

INTERVAL FROM	INTERVAL TO	DESCRIPTION	SAMPLE NO.	INTERVAL FROM	INTERVAL TO	LENGTH	ANALYSES Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	As ppm
11.89	43.55 Cont.	20.00m = quartz/pyrite veins (2x2mm) @ 33° 21.50m = calcite/pyrite vein (2mm) @ 28° 22.05m = calcite/pyrite veins (2x1mm) @ 35° 22.70m = calcite vein with chlorite (1mm) @ 53° 23.40m = pyrite vein (1mm) @ 44° 23.70m = pyrite/calcite vein (1mm) @ 25° cross-cut by calcite veinlet (0.5mm) @ 6° 24.30m = calcite veinlet (0.5mm) @ 33° 24.35m = pyrite/chlorite vein (1mm) @ 18° 25.20m = pyrite/chlorite/K-feldspar selvage vein (2mm) @ 22° 26.90m = calcite vein @ 25° (4mm) 28.00m = pyrite/calcite vein (2mm) @ 18° 28.15m = calcite vein (3-4mm) @ 26° 28.55m = calcite/pyrite vein (1mm) @ 14° 30.20m = calcite/pyrite/chlorite vein (5mm) @ 45° 36.85m = K-feldspar/pyrite vein (7mm) @ 40° is cross-cut by a calcite/hematite vein (2mm) @ 9° 38.00m = pyrite/calcite/K-feldspar vein @ 43° (1-2mm) 38.70m = calcite/hematite vein (1mm) @ 23° 40.00m = pyrite veinlets (2x0.5mm) @ 24° 40.70m = calcite vein (1mm) @ 30° 41.40m = pyrite/chlorite vein (1mm) @ 33° 41.70m = pyrite/chlorite vein (2mm) with K-feldspar @ 35°									
43.55	65.75	Hornblende porphyritic diorite intrusive as above, except texture is blurred and less distinct due to 5% K-feldspar as selvages and 5% pervasive silicification. Mafics have altered to chlorite again. Slightly magnetic (≤1.0% mgt). Quartz veining has increased to <2.0%, but vein contacts are not sharp due to silica flooding. Calcite veining amounts to 0.5-1.0% and cross-cuts quartz veins. 1-2% pyrite as fine dissemination and veins. Structural orientations with relation to the core axis are as follows: 45.90m = quartz vein with K-feldspar selvage (3mm) @ 28° 48.85m = quartz vein with K-feldspar selvage (4mm) @ 13° 49.55m = quartz vein with K-feldspar and pyrite (2mm) @ 18° 52.85m = calcite vein (2mm) @ 18° 53.20m = dolomite vein (8mm) @ 18°	GJ31261	42.00	45.00	3.00	428	17	79	1.9	57	23
			GJ31262	45.00	48.00	3.00	218	37	96	1.9	42	10
			GJ31263	48.00	51.00	3.00	296	22	84	1.9	40	1
			GJ31264	51.00	54.00	3.00	208	13	54	1.3	60	9
			GJ31265	54.00	57.00	3.00	227	11	32	1.2	236	76
			GJ31266	57.00	60.00	3.00	218	13	27	1.0	38	126
			GJ31267	60.00	63.00	3.00	143	16	25	0.8	27	41
			GJ31268	63.00	66.00	3.00	174	22	41	1.4	44	37

DRILL HOLE LOG

HOLE NO. DDH-90-G-11 | PAGE 3 OF 5

INTERVAL FROM	INTERVAL TO	DESCRIPTION	SAMPLE NO.	INTERVAL FROM	INTERVAL TO	LENGTH	ANALYSES Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	As ppm
43.55	65.75 Cont.d	53.40m = quartz veins (34mm) @ 20° 53.70m = quartz veins (6mm) A 15° 54.90m = calcite/pyrite/chlorite (1mm) @ 17° 55.30m = calcite vein (2mm) @ 50° 55.60m = calcite veins (1,2mm) @ 35° 57.75m = calcite/chlorite vein (2mm) @ 25° 59.30m = calcite/chrlotie vein (2mm) @ 37° 63.70m = calcite/chlorite vein (1mm) @ 30° 65.50m = calcite/chlorite vein (2mm) @ 18°									
65.75	76.30	Hornblende porphyritic diorite with intense clay alteration (≥20%). The rock contains ~10% patchy K-feldspar and ~10% chlorite altered mafics. 2% calcite fracture filling occurs throughout. Calcite veining crosscuts earlier dolomite veins (0.5%) with K-feldspar selvages. ~3-4% disseminated pyrite occurs as dissemination and vein selvages. Slightly magnetic.	GJ31269	66.00	69.00	3.00	82	21	42	1.3	6	28
			GJ31270	69.00	72.00	3.00	206	6	46	1.3	184	20
			GJ31271	72.00	75.00	3.00	379	23	127	2.4	61	62
76.30	82.97	Hornblende porphyritic diorite intrusive with much less intense clay alteration (5-10%). Slightly magnetic. 5% K-feldspar as alteration patches and calcite/pyrite vein selvages; 10% chlorite altered mafics. 2% calcite veining. 2-3% disseminated pyrite and with calcite/K-feldspar veins @ 28° to core axis. Other calcite vein orientations are 22°, 42°, and 52° to core axis.	GJ31272	75.00	78.00	3.00	212	15	128	2.1	26	33
			GJ31273	78.00	81.00	3.00	374	14	54	2.0	17	32
			GJ31274	81.00	84.00	3.00	133	17	19	1.3	4	41
82.97	89.58	As above (76.30-82.97m) except contains calcite and chlorite slickensides. Clay alteration increases downhole from 5% to ≥50% in the last meter. Calcite veining averages 5%. Slides are @ 10-18° to core axis. Clay gouge occurs from 88.00-89.58 = faulted contact. Pyrite as above.	GJ31275	84.00	87.00	3.00	269	16	24	2.5	36	48
			GJ31276	87.00	90.00	3.00	246	22	26	2.4	32	46
89.58	119.27	Quartzite = intensely silicified bedded sediments (black carbonaceous siltstone and grey, fine grained sandstone). Crackle breccia from 89.58-95.35m with a matrix composed of calcite (10%) and clay (5%). Bedding is mottled in this subinterval. 2% calcite veining occurs in the rest of the interval. These sediments pre-date the intrusive due to the hornblende-porphyritic diorite dykes occurring @ 102.20-102.42m, 105.50-106.27m, and 107.30-107.75m. Hornblendes are altered to chlorite. ≤1.0% veined and disseminated pyrite occurs throughout. Bedding and conformable dyke contacts (sills) range from 67° to 77° with relation to the core axis. A calcite vein ≥1cm occurs from 118.34 to 118.82m @ 0° to core axis.	GJ31277	90.00	93.00	3.00	190	14	39	2.1	34	98
			GJ31278	93.00	96.00	3.00	174	9	62	2.0	97	69
			GJ31279	96.00	99.00	3.00	95	12	75	1.3	2	76
			GJ31280	99.00	102.00	3.00	243	11	51	1.7	210	53
			GJ31281	102.00	105.00	3.00	154	10	71	1.6	24	53
			GJ31282	105.00	108.00	3.00	109	13	84	1.8	12	60
			GJ31283	108.00	111.00	3.00	126	10	70	1.3	1	46
			GJ31284	111.00	114.00	3.00	198	10	81	1.1	2	39
			GJ31285	114.00	117.00	3.00	175	17	105	1.5	3	85
			GJ31286	117.00	120.00	3.00	224	6	121	2.1	1	64

DRILL HOLE LOG

HOLE NO. DDH-90-G-11 | PAGE 4 OF 5

INTERVAL FROM	INTERVAL TO	DESCRIPTION	SAMPLE NO.	INTERVAL FROM	INTERVAL TO	LENGTH	ANALYSES Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	As ppm
119.27	123.10	Augite-plagioclase porphyritic andesite flow; coarse grained (grains are 2-4mm). 15% calcite pseudomorphs, phenocrysts. Non-magnetic. Mafics have altered to chlorite. 2% calcite veining occurs except from 122.60m-123.10m = calcite breccia (≥ 75% calcite). 3% pyrite occurs as dissemination and with early calcite veinlets (≤2mm). Calcite vein orientations range from 40° to 70° with relation to core axis. Moderate brown clay alteration occurs pervasively in the first meter.	GJ31287	120.00	123.00	3.00	252	7	76	3.2	12	44
123.10	154.97	Equigranular monzodiorite with grains of plagioclase, hornblende, and 25-30% K-feldspar (primary?). Slightly magnetic (≤1.0% magnetite) This could be a K-feldspar altered diorite. Mafics have altered to chlorite -5% K-feldspar as veins and envelopes to calcite veins. ≤1.0% calcite veining throughout. Trace epidote as envelopes to calcite/pyrite veins (≤0.1% epidote). Trace pyrite with calcite and K-feldspar veins (≤0.2%) - rarely disseminated locally, up to 2% pyrite with veins. Structural measurements are as follows (with relation to the core axis): 124.40m = K-feldspar/pyrite vein (4mm) @ 68° 125.00m = calcite vein (2mm) @ 16° 127.05m = calcite vein (1-5mm) @ 5° 127.65m = calcite vein (2mm) @ 50° 132.15m = calcite vein (5mm) @ 30° 133.50m = calcite/pyrite vein (2-3mm) @ 10° 134.30m = calcite/chlorite vein (4-5mm) @ 65° 135.25m = K-feldspar vein (4mm) @ 64° 140.20m = calcite/chlorite/pyrite vein (4mm) @ 16° 140.25m = calcite vein (2mm) @ 23° 143.85m = K-feldspar veins (2mm, 12mm) @ 60° and 75° 144.05m = 3mm K-feldspar/pyrite vein @ 62° crosscut by a calcite/chlorite vein @ 33° 145.50m = pink calcite and chlorite vein @ 46° 146.20m = calcite vein (2mm) @ 37° 146.45m = calcite/chlorite vein (2mm) @ 23° 146.60m = calcite/chlorite vein (5mm) @ 24° 147.25m = calcite/pyrite/chlorite vein (95mm) @ 62° 150.00m = calcite veins (2mmx2) @ 23°	GJ31288	123.00	126.00	3.00	163	14	33	1.5	12	2
			GJ31289	126.00	129.00	3.00	440	14	34	2.3	58	54
			GJ31290	129.00	132.00	3.00	84	15	69	1.5	2	13
			GJ31291	132.00	135.00	3.00	160	9	47	1.3	8	32
			GJ31292	135.00	138.00	3.00	174	17	47	1.5	32	24
			GJ31293	138.00	141.00	3.00	109	6	44	1.3	2	53
			GJ31294	141.00	144.00	3.00	73	13	55	1.1	16	26
			GJ31295	144.00	147.00	3.00	104	6	44	1.2	2	5
			GJ31296	147.00	150.00	3.00	180	17	87	1.6	62	53
			GJ31297	150.00	153.00	3.00	97	7	44	1.3	2	8

DRILL HOLE LOG

HOLE NO. DDH-90-G-11 | PAGE 5 OF 5

INTERVAL FROM	INTERVAL TO	DESCRIPTION	SAMPLE NO.	INTERVAL FROM	INTERVAL TO	LENGTH	ANALYSES Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	As ppm
154.97	180.45	Intensely K-feldspar altered, plagioclase porphyry andesite flow. Plagioclase are altered by clay (10% of rock) and calcite (5% of rock). K-feldspar alteration is pervasive and intense; also ≤0.5% K-feldspar veins occur with disseminated pyrite. Pyrite also occurs with calcite veins. 10% chlorite blebs occur throughout. Trace epidote patches occur (≤0.5%) with K-feldspar haloes. Total pyrite is ≤1.0% as dissemination and in veins. Total calcite veining is ≤1.0%. Structural measurements with relation to the core axis are as follows: 156.60m = quartz/calcite vein (3mm) @ 17° 159.25m = 2 K-feldspar/pyrite veins (2.5mm, 6mm) @ 75° 160.05m = calcite vein with pyrite selvages (4mm) @ 58° 162.60m = calcite vein (2mm) @ 47° 169.50m = calcite vein (2mm) @ 38° 172.00m = calcite vein (1.5mm) @ 50° 172.05m = K-feldspar/pyrite vein (3mm) @ 65° 173.00m = pyrite/calcite vein (≤2mm) @ 67° 175.25m = clay/chlorite foliation/shear @ 35° 177.25m = calcite vein (2.5mm) @ 48°	GJ31298	153.00	156.00	3.00	151	15	62	1.2	23	25
			GJ31299	156.00	159.00	3.00	93	15	41	1.1	29	6
			GJ31300	159.00	162.00	3.00	195	16	44	1.5	510	65
			GJ31301	162.00	165.00	3.00	111	17	48	1.3	35	7
			GJ31302	165.00	168.00	3.00	98	8	52	1.4	9	28
			GJ31303	168.00	171.00	3.00	122	16	30	1.4	19	26
			GJ31304	171.00	174.00	3.00	129	21	30	1.3	2	18
			GJ31305	174.00	177.00	3.00	102	16	29	1.3	21	40
			GJ31306	177.00	180.00	3.00	84	20	26	1.1	1	34
180.45	183.49	Intensely clay/chlorite altered version of the rock type described above. 2-3% calcite fracture-fill veining, and brecciation. Fault gouge from 180.79m-181.01m. Up to 5% dissemination and blebs of pyrite locally (≤1.0% overall). Fault contacts (180.79-181.01m) are 30-35° with relation to the core axis. E.O.H. @ 183.49m (602') NO SIGNIFICANT MINERALIZED INTERVALS	GJ31307	180.00	183.49	3.49	150	24	24	1.8	26	30

LOCATION: KLASTLINE PLATEAU 104G-9E
130° 14'W 57° 39'N

DRILL HOLE LOG

HOLE NO. DDH-90-G-12

AZIM: 220°
DIP: -45°

ELEV:
LENGTH:182.27m

CORE SIZE: BGM

DIP TEST

METREAGE	AZIMUTH	INCLINATION	CORR. INCLIN.
90.83	220°		-45.5°
182.58	220°		-43.0°

PROPERTY: ASCOT GJ (INTERNATIONAL CURATOR OPTION)

CLAIM NO: GJ
SECTION: L4E

STARTED: October 10, 1990
COMPLETED: October 12, 1990
PURPOSE: Test Cu-Au Soil geochem anomaly on west side of groat Cr. NW of 81-7

CORE RECOVERY: 95%

LOGGED BY: Jason Miller
DATE LOGGED: October 12-October 14, 1990
DRILLING CO: FALCON DRILLING
ASSAYED BY: MIN-EN LABS

INTERVAL FROM	INTERVAL TO	DESCRIPTION	SAMPLE NO.	INTERVAL FROM	INTERVAL TO	LENGTH	ANALYSES Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	As ppm
0.00	3.05	Casing										
3.05	28.45	Intensely altered sediments (siltstone and sandstone interbedded). Very colorful = pink, brown turquoise, black and white striped. 2-3% black carbonaceous siltstone occurs. Good bedding is exhibited throughout. Sandstone layers have been altered to a maroon clay (28%) and siltstone layers have been altered to sericite and a lighter colored clay (10% each). Pervasive limonite stain occurs from 3.05m-11.70m. Below 11.70m abundant limonite occurs on fractures with clay and calcite. 1.0% pyrite as fracture filling and veins (with calcite) 0.5% calcite veins. Structural measurements are as follows (with relation to the core axis): 6.50m = bedding @ 27° 8.20m = calcite vein (3mm) @ 22° 9.70m = bedding @ 30° 12.60m = bedding @ 34° 15.15m = bedding @ 32° 15.65m = bedding @ 33° 19.80m = bedding @ 17° 23.60m = bedding @ 26° 28.15m = bedding @ 28°	GJ31308 GJ31309 GJ31310 GJ31311 GJ31312 GJ31313 GJ31314 GJ31315	3.05 6.00 9.00 12.00 15.00 18.00 21.00 24.00	6.00 9.00 12.00 15.00 18.00 21.00 24.00 27.00	2.95 3.00 3.00 3.00 3.00 3.00 3.00 3.00	70 55 59 62 55 50 45 43	23 19 15 14 28 19 16 12	96 178 57 40 67 47 63 80	1.6 1.4 0.9 0.7 1.3 1.0 0.7 0.9	4 6 12 2 1 3 3 1	105 65 58 42 86 20 36 64
28.45	85.45	Black carbonaceous siltstone, grey chert, and grey silicified interbedded sandstone. The chert could be a quartzite (after sandstone) ≤1.0% calcite veining occurs oblique to bedding. 5% clay sericite alteration occurs after sandstone. Tops uphole, indicated by flame or ball and pillow structures. Non-magnetic. Abundant limonite on fractures. 2% pyrite occurs with carbonate veining as well as along fractures. The rock is ~40% black carbonaceous siltstone and ~60% grey silicified sandstone.	GJ31316 GJ31317 GJ31318 GJ31319 GJ31320 GJ31321 GJ31322 GJ31323	27.00 30.00 33.00 36.00 39.00 42.00 45.00 48.00	30.00 33.00 36.00 39.00 42.00 45.00 48.00 51.00	3.00 3.00 3.00 3.00 3.00 3.00 3.00 3.00	69 40 75 195 115 85 48 63	8 30 25 18 20 18 23 20	85 105 67 61 63 87 74 85	1.6 1.9 1.9 2.4 1.1 1.1 1.0 1.0	5 5 34 122 3 3 1 2	62 71 230 369 62 67 68 95

DRILL HOLE LOG

HOLE NO. DDH-90-G-12 | PAGE 2 OF 4

INTERVAL FROM	INTERVAL TO	DESCRIPTION	SAMPLE NO.	INTERVAL FROM	INTERVAL TO	LENGTH	ANALYSES Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	As ppm
28.45	85.45 Cont.	Structural measurements with relation to the core axis are as follows:	GJ31324	51.00	54.00	3.00	49	29	108	1.4	2	63
			GJ31325	54.00	57.00	3.00	61	29	86	1.6	2	54
		28.45m = bedding @ 27°	GJ31326	57.00	60.00	3.00	59	18	79	1.3	6	58
		28.65m = quartz vein with minor pyrite (10mm) @ 59°	GJ31327	60.00	63.00	3.00	51	20	60	1.5	2	72
		30.60m = bedding @ 14°	GJ31328	63.00	66.00	3.00	58	25	64	1.1	1	81
		36.40m = massive arseno and pyrite vein (3mm) @ 33°	GJ31329	66.00	69.00	3.00	52	18	85	0.7	12	35
		41.00m = bedding @ 17°	GJ31330	69.00	72.00	3.00	55	13	38	1.3	26	96
		45.20m = pyrite along bedding @ 19°	GJ31331	72.00	75.00	3.00	50	18	92	1.4	21	49
		48.25m = bedding @ 17°	GJ31332	75.00	78.00	3.00	54	26	58	1.6	1	84
		50.00m = bedding @ 18°	GJ31333	78.00	81.00	3.00	63	19	46	1.3	3	47
		56.15m = calcite vein (3mm) @ 14°	GJ31334	81.00	84.00	3.00	149	20	47	1.3	11	98
		56.35m = bedding @ 16°										
		58.40m = calcite vein (3-4mm) @ 40°										
		60.00m = calcite vein (2-3mm) @ 19°										
		60.10m = bedding @ 47°										
		61.80m = calcite vein (3mm) @ 55°										
		65.10m = bedding @ 41°										
		67.20m = calcite/pyrite vein @ 57° (2-5mm)										
		75.15m = bedding @ 24°										
		76.80m = bedding @ 24°										
		79.00m = calcite veins (6x12mm) @ 48°										
		80.90m = calcite vein (3mm) @ 54°										
		81.40m = bedding @ 32°										
		84.00m = bedding @ 28°										
85.45	86.67	Course plagioclase crystal tuff (2-3mm average). Intense alteration consisting of 5% sericite, 5% calcite, and 10% clay. This unit does not appear to be intrusive. 4-5% pyrite occurs as disseminated blebs. 3% calcite occurs as veins and fracture filling.	GJ31335	84.00	87.00	3.00	129	26	132	1.9	22	58
86.67	121.18	Black siltstone (70%) with grey quartzite (30%) (after siltstone and sandstone ? laminae). Good bedding is exhibited throughout the interval except where grey quartzite mottles it. 2% calcite veining occurs with pyrite in some cases (1% pyrite). Minor bedded pyrite (≤0.2%) structural measurements with relation to the core axis are as follows:	GJ31336	87.00	90.00	3.00	121	25	314	1.8	39	91
			GJ31337	90.00	93.00	3.00	126	25	261	2.1	82	92
			GJ31338	93.00	96.00	3.00	87	30	356	1.7	22	132
			GJ31339	96.00	99.00	3.00	94	30	331	1.8	31	65
			GJ31340	99.00	102.00	3.00	133	30	984	2.4	38	103
			GJ31341	102.00	105.00	3.00	111	32	943	2.2	32	92
		86.85m = bedding @ 23°	GJ31342	105.00	108.00	3.00	156	26	350	2.3	37	83
		88.65m = calcite vein (2-8mm) @ 26°	GJ31343	108.00	111.00	3.00	99	28	74	1.6	24	99
		91.90m = calcite vein (3mm) @ 48°	GJ31344	111.00	114.00	3.00	118	26	84	1.5	60	85
		93.70m = bedding @ 15°	GJ31345	114.00	117.00	3.00	67	20	27	1.2	38	88
		94.20m = calcite along bedding @ 24°	GJ31346	117.00	120.00	3.00	111	21	26	1.2	45	55
		99.30m = calcite veins (3x1.5mm) @ 48°										

DRILL HOLE LOG

HOLE NO. DDH-90-G-12 | PAGE 3 OF 4

INTERVAL FROM	INTERVAL TO	DESCRIPTION	SAMPLE NO.	INTERVAL FROM	INTERVAL TO	LENGTH	ANALYSES Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	As ppm
86.67	121.18 Cont.	105.00m = bedding @ 5° 112.60m = pyrite along bedding @ 27° 113.50m = calcite/pyrite veins parallel to bedding @ 32° 115.90m = bedding @ 5° 118.75m = bedding @ 29° Note limonite stain to 108.00mm = oxidation/reduction interface										
121.18	135.33	Medium grained, equigranular plagioclase biotite diorite intrusive dyke. Various types of alteration present locally. 121-18-124.80m = pervasive clay alteration (≤5%) and calcite after plagioclase (5%). 124.80m-128.76 = sericitic alteration after plagioclase (5%) and calcite (5%). 128.76-131.30m = fresh intrusive with clay alteration (pervasive) increasing downhole to ≥10%. 131.30m-135.33 = pervasive K-feldspar (≤5%) alteration, pervasive clay alteration (2%), and sericitic altered after plagioclase (2%). 2% calcite veining occurs throughout (sometimes with pyrite). Pyrite ranges from 5% (near the contacts) to 1% in the middle (3% average) and is mostly veined (some dissemination). A grey clay gouged fault zone occurs from 134.30-134.50m. Structural measurements with relation to the core axis are as follows: 121.30m = 50% pyrite/50% calcite vein (45mm) @ 64° 121.55m = calcite vein (2-3mm) @ 40° 122.70m = 20% pyrite/80% calcite vein (65mm) @ 76° 122.90m = pyrite vein (2-3mm) @ 59° 125.20m = calcite vein (3mm) @ 23° 129.50m = calcite veins (2, 4, and 4mm) @ 34° 130.00m = calcite vein (5mm) @ 45° 132.10m = 50% pyrite/50% calcite vein (5mm) @ 52° 133.80m = calcite vein (2-5mm) @ 48°	GJ31347	120.00	123.00	3.00	252	15	43	1.8	67	26
			GJ31348	123.00	126.00	3.00	125	21	67	1.7	40	1
			GJ31349	126.00	129.00	3.00	123	11	59	1.7	18	1
			GJ31350	129.00	132.00	3.00	232	19	54	2.2	44	11
			GJ31351	132.00	135.00	3.00	279	20	49	1.4	136	9
135.33	182.27	Grey quartzite (silicified siltstone). Bedding becomes less defined downhole. Plagioclase - biotite diorite dyke (as described above @ 131.30-135.33m) occurs from 137.12-138.64m. Upper contact is @ 30° with relation to the core axis ≤5% K-feldspar alteration occurs as bands along bedding from 135.33-141.50m. 2% calcite veining and minor brecciation occurs throughout. 2.0% fracture pyrite occurs. Structural measurements with relation to the core axis are as follows: 136.50m = bedding @ 56° 142.25m = calcite veins (3x5mm) @ 60° 151.60m = bedding @ 7°	GJ31352	135.00	138.00	3.00	151	14	35	1.5	17	45
			GJ31353	138.00	141.00	3.00	123	20	38	1.2	6	59
			GJ31354	141.00	144.00	3.00	72	22	31	1.3	1	40
			GJ31355	144.00	147.00	3.00	113	15	47	1.3	19	59
			GJ31356	147.00	150.00	3.00	148	10	66	1.1	537	75
			GJ31357	150.00	153.00	3.00	143	13	60	1.4	142	68
			GJ31358	153.00	156.00	3.00	143	22	32	0.8	41	57
			GJ31359	156.00	159.00	3.00	103	21	67	1.3	58	51
			GJ31360	159.00	162.00	3.00	102	14	63	1.2	33	65
			GJ31361	162.00	165.00	3.00	90	19	83	1.2	21	80
			GJ31362	165.00	168.00	3.00	171	23	80	1.3	6	45
			GJ31363	168.00	171.00	3.00	175	17	21	1.4	20	61

DRILL HOLE LOG

HOLE NO. DDH-90-G-12 | PAGE 4 OF 4

INTERVAL FROM	INTERVAL TO	DESCRIPTION	SAMPLE NO.	INTERVAL FROM	INTERVAL TO	LENGTH	ANALYSES Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb	As ppm
135.33	182.27 Cont.	152.65m = bedding @ 8° cross-cut by a calcite vein (8mm) @ 40°	GJ31364	171.00	174.00	3.00	80	20	26	1.5	4	76
			GJ31365	174.00	177.00	3.00	112	22	22	1.3	14	58
		154.44m = bedding @ 10°	GJ31366	177.00	180.00	3.00	128	10	22	2.1	22	61
		154.90m = bedding @ 6°	GJ31367	180.00	182.27	2.27	97	15	23	1.4	2	73
		156.65m = calcite vein (3-6mm) @ 70°		EOH								
		161.30m = calcite vein (4mm) @ 52°										
		173.20m = calcite veins (10x≤1mm) @ 52°										
		176.45m = bedding @ 34°										
		Local clay/sericite altered zones occur (≤2% of the interval).										
		E.O.H. @ 182.27m										
		NO SIGNIFICANT MINERALIZED INTERVALS										

APPENDIX XII

GJ Property Drill Core Geochemistry Results

COMP: KEEWATIN ENGINEERING
PROJ: GJ #151
ATTN: R.NICHOLS/D.MEHNER

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 0S-0444-RJ1
DATE: 90/09/11
* ROCK * (ACT:F31)

SAMPLE NUMBER	AU PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM	HG PPB
90M 151 11201	93	1.2	246	32	30	38	5	5	80
90M 151 11202	166	1.0	363	71	56	33	3	5	165
90M 151 11203	182	.3	882	60	218	17	4	6	95
90M 151 11204	451	1.4	1107	43	683	45	6	8	140
90M 151 11205	319	1.8	979	77	269	53	7	3	70
90M 151 11206	534	2.8	1481	44	519	37	8	23	145
90M 151 11207	92	2.0	415	31	138	29	5	47	195
90M 151 11208	119	3.1	641	61	302	69	4	60	160
90M 151 11209	107	3.6	451	67	2898	59	4	26	650
90M 151 11210	58	1.6	295	38	276	39	3	9	100
90M 151 11211	49	1.2	210	20	72	37	1	3	65
90M 151 11212	69	1.0	243	22	158	31	2	2	50
90M 151 11213	87	2.4	415	41	597	76	4	2	320
90AA-151C-001	23	.6	65	16	32	44	2	4	60
90AA-151C-002	15	.5	67	13	31	33	3	7	65
90AA-151C-003	17	.1	74	16	35	27	1	4	75

90-601

COMP: KEEWATIN ENGINEERING
PROJ: GJ 151
ATTN: R.NICHOLS/D.MEHNER

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 0S-0549-RJ3+4
DATE: 90/09/28
* ROCK * (ACT:F31)

SAMPLE NUMBER	AU PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM	HG PPB
90 151GJ R29132B	4	.8	78	20	18	1	1	1	65
90 151GJ R29133B	2	.7	67	12	21	29	1	1	50
90 151GJ R29134B	9	.8	54	23	16	38	1	1	45
90 151GJ R29135B	19	.8	107	15	12	1	1	1	80
90 151GJ R29136B	18	.9	88	18	21	33	1	1	65
90 151GJ R29137B	21	.6	93	12	22	1	1	1	35
90 151GJ R29138B	16	1.0	83	24	25	1	1	1	55
90 151GJ R29139B	3	.6	54	10	32	1	1	1	65
90 151GJ R29140B	5	.4	25	13	40	1	1	1	60
90 151GJ R29141B	9	.5	28	13	23	1	1	1	55
90 151GJ R29142B	2	.5	19	17	19	1	1	1	45
90 151GJ R29151B	6000	13.6	3977	84	214	115	22	4	70
90 151GJ R29152B	142	1.8	235	30	58	46	8	8	65
90 151GJ R29153B	27	1.7	119	21	69	1	4	36	125
90 151GJ R29154B	8	2.0	107	19	55	18	5	19	140
90 151GJ R29155B	4	1.5	104	17	84	16	1	2	115
90 151GJ R29156B	5	1.5	90	22	31	27	2	4	85
90 151GJ R29157B	4	1.2	88	20	39	45	2	1	125
90 151GJ R29158B	3	.3	41	33	35	27	1	2	150
90 151GJ R29159B	4	.4	26	32	38	30	1	1	65
90 151GJ R29160B	2	.5	73	18	46	71	1	3	70
90 151GJ R29161B	4	.6	37	27	34	70	1	1	125
90 151GJ R29162B	8	.2	40	21	55	5	1	1	110
90 151GJ R29163B	95	1.0	33	60	248	46	1	1	245
90 151GJ R29164B	818	2.9	72	94	743	252	5	21	545
90 151GJ R29165B	23	2.0	72	35	106	78	3	21	305
90 151GJ R29166B	14	1.5	48	31	156	66	1	37	410
90 151GJ R29167B	14	2.1	154	52	1943	30	1	37	1285
90 151GJ R29168B	18	1.2	64	40	78	4	1	13	210
90 151GJ R29169B	13	.8	67	26	145	1	1	4	400
90 151GJ R29170B	26	2.9	49	34	118	1	1	5	280
90 151GJ R29171B	24	4.5	73	40	175	43	1	12	385
90 151GJ R29172B	15	3.9	87	37	288	58	1	14	455
90 151GJ R29173B	29	.5	63	25	87	1	1	1	390

COMP: KEEWATIN ENGINEERING
PROJ: GJ 151
ATTN: D.MEHNER/R.NICHOLS

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: OS-0467-RJ1+2
DATE: 90/09/14
* ROCK * (ACT:F31)

SAMPLE NUMBER	AU PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM	HG PPB
90 GJ 151 R11214	44	.9	336	5439	63	43	7	3	150
90 GJ 151 R11215	53	.3	322	4534	38	31	4	6	120
90 GJ 151 R11216	75	.1	337	24	22	1	1	1	130
90 GJ 151 R11217	46	.3	202	10	24	15	1	2	135
90 GJ 151 R11218	268	.9	411	31	52	85	1	3	170
90 GJ 151 R11219	71	.4	318	15	13	14	1	19	160
90 GJ 151 R11220	98	.7	681	15	16	47	1	9	125
90 GJ 151 R11221	79	.9	488	20	17	33	1	3	155
90 GJ 151 R11222	56	1.3	390	18	22	32	1	2	125
90 GJ 151 R11223	64	1.1	484	16	21	13	1	18	100
90 GJ 151 R11224	77	.7	537	20	39	31	2	36	175
90 GJ 151 R11225	73	1.0	518	21	29	9	4	79	120
90 GJ 151 R11226	18	1.0	398	19	9	9	2	8	85
90 GJ 151 R11227	352	1.3	1535	22	16	14	3	7	150
90 GJ 151 R11228	288	1.3	1276	19	22	1	2	6	140
90 GJ 151 R11229	590	2.0	2456	12	27	6	1	12	120
90 GJ 151 R11230	190	1.2	1049	27	37	29	1	15	150
90 GJ 151 R11231	136	1.3	834	29	93	58	4	26	125
90 GJ 151 R11232	204	1.4	965	24	45	75	5	336	135
90 GJ 151 R11233	133	1.5	807	17	33	30	3	109	120
90 GJ 151 R11234	865	3.4	3957	21	25	26	7	4	95
90 GJ 151 R11235	958	3.6	3409	20	38	15	7	2	140
90 GJ 151 R11236	95	1.1	751	15	36	35	3	3	75
90 GJ 151 R11237	30	1.1	528	13	19	67	2	6	115
90 GJ 151 R11238	43	.7	636	17	48	64	1	6	130
90 GJ 151 R11239	38	1.8	684	22	93	41	5	14	185
90 GJ 151 R11240	67	3.0	1029	29	55	66	6	12	155
90 GJ 151 R11241	71	1.5	1024	19	26	49	3	5	115
90 GJ 151 R11242	26	1.0	731	22	37	59	1	5	60
90 GJ 151 R11243	92	1.6	907	24	28	131	4	3	95
90 GJ 151 R11244	72	1.6	509	52	39	63	3	3	135
90 GJ 151 R11245	65	1.5	681	19	37	29	3	6	120
90 GJ 151 R11246	79	2.8	1388	22	38	38	4	3	115
90 GJ 151 R11247	37	1.5	792	18	33	39	3	2	115
90 GJ 151 R11248	68	.8	986	15	44	22	5	8	110
90 GJ 151 R11249	60	.8	1014	18	24	10	4	4	140
90 GJ 151 R11250	37	1.0	823	21	87	15	1	3	90
90 GJ 151 R11251	107	1.2	889	18	43	28	1	2	95
90 GJ 151 R11252	32	.5	354	18	28	21	1	1	90
90 GJ 151 R11253	85	1.1	482	16	24	31	1	1	120
90 GJ 151 R11254	73	1.1	537	15	30	44	1	1	105
90 GJ 151 R11255	101	1.1	697	19	27	37	1	1	75
90 GJ 151 R11256	39	.7	379	17	30	29	1	1	125
90 GJ 151 R11257	77	1.1	541	11	36	25	1	1	115
90 GJ 151 R11258	36	.8	255	14	38	30	1	1	120
90 GJ 151 R11259	18	.4	165	11	48	1	1	1	105
90 GJ 151 R11260	70	.5	306	21	33	1	1	3	135
90 GJ 151 R11261	45	.2	259	18	22	1	1	3	110
90 GJ 151 R11262	89	.8	467	22	34	23	1	4	215
90 GJ 151 R11263	2	.8	173	15	46	1	1	1	195
90 GJ 151 R11264	38	1.1	208	23	47	3	1	1	115
90 GJ 151 R11265	306	1.2	339	22	30	1	1	3	165
90 GJ 151 R11266	1500	1.4	273	19	28	6	1	1	140
90 GJ 151 R11267	104	.9	333	19	27	1	1	1	105
90 GJ 151 R11268	121	.8	345	19	30	10	1	2	130
90 GJ 151 R11269	135	.7	386	19	38	1	1	9	150
90 GJ 151 R11270	76	.6	235	20	26	29	1	1	85
90 GJ 151 R11271	47	.7	228	25	24	1	1	2	145
90 GJ 151 R11272	84	1.1	328	20	26	4	1	1	200
90 GJ 151 R11273	52	1.4	539	20	29	1	1	1	210

COMP: KEEWATIN ENGINEERING
PROJ: GJ 151
ATTN: D.MEHNER/R.NICHOLS

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: OS-0467-RJ3+4
DATE: 90/09/14
* ROCK * (ACT:F31)

SAMPLE NUMBER	AU PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM	HG PPB
90 GJ 151 R11274	54	1.0	519	18	34	1	1	1	195
90 GJ 151 R11275	498	4.4	704	24	40	43	3	1	145
90 GJ 151 R11276	426	.9	1925	17	27	1	1	1	160
90 GJ 151 R11277	295	.8	1043	14	29	1	1	1	100
90 GJ 151 R11278	202	.7	831	18	26	1	1	14	155
90 GJ 151 R11279	173	.7	572	13	32	1	1	1	110
90 GJ 151 R11280	121	1.7	786	21	38	1	1	1	130
90 GJ 151 R11281	118	2.0	903	14	44	1	1	1	110
90 GJ 151 R11282	74	1.7	478	22	45	1	1	1	125
90 GJ 151 R11283	16	1.1	452	22	33	1	1	2	120
90 GJ 151 R11284	118	.8	654	19	38	1	1	3	70
90 GJ 151 R11285	103	.6	529	14	42	27	1	2	75
90 GJ 151 R11286	225	1.3	760	26	66	89	1	1	145
90 GJ 151 R11287	135	.8	550	25	41	1	1	1	85
90 GJ 151 R11288	2300	3.8	4764	23	75	1	3	1	125
90 GJ 151 R11289	1300	7.0	3332	17	238	5	5	2	250
90 GJ 151 R11290	217	1.6	721	22	38	9	1	1	230
90 GJ 151 R11291	41	1.1	570	21	35	9	1	1	135
90 GJ 151 R11292	37	1.2	266	15	45	1	1	1	150
90 GJ 151 R11293	29	1.2	237	17	45	1	1	1	95
90 GJ 151 R11294	62	1.7	260	22	80	21	1	1	275
90 GJ 151 R11295	31	.9	281	17	48	1	1	2	155
90 GJ 151 R11296	90	1.7	734	26	249	53	7	1	305
90 GJ 151 R11297	72	1.7	519	24	279	1	6	2	280
90 GJ 151 R11298	245	.7	719	15	61	1	1	1	155
90 GJ 151 R11299	76	1.2	809	22	95	20	180	6	215
90 GJ 151 R11300	2	.7	193	21	47	75	28	77	230
90 GJ 151 R11301	6	1.0	226	25	89	55	24	40	225
90 GJ 151 R11302	4	1.2	211	16	59	78	12	37	170
90 GJ 151 R11303	3	1.1	173	20	55	69	10	33	120
90 GJ 151 R11304	36	2.0	919	24	104	33	27	22	36
90 GJ 151 R11305	4	1.3	121	14	51	32	5	7	4

90-G02

COMP: KEEWATIN ENGINEERING
PROJ: GJ #151
ATTN: R.NICHOLS/D.MEHNER

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: OS-0499-RJ1+2
DATE: 90/09/21
* ROCK * (ACT:F31)

SAMPLE NUMBER	AU PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM	HG PPB
90 GJ151 R11306	2	1.2	165	10	67	1	13	1	125
90 GJ151 R11307	1	.4	229	21	60	46	40	36	175
90 GJ151 R11308	94	1.3	205	10	106	1	7	3	110
90 GJ151 R11309	1	.7	154	11	47	43	21	45	160
90 GJ151 R11310	1	.6	171	11	61	1	5	4	85
90 GJ151 R11311	3	.7	147	15	38	28	19	4	125
90 GJ151 R11312	2	.3	178	11	43	18	8	2	65
90 GJ151 R11313	2	.5	154	12	31	20	7	3	70
90 GJ151 R11314	8	.3	211	19	20	27	5	4	65
90 GJ151 R11315	2	.9	276	17	32	42	11	5	90
90 GJ151 R11316	1	1.5	505	17	36	49	7	3	55
90 GJ151 R11317	4	1.2	350	16	34	29	5	1	70
90 GJ151 R11318	488	2.0	733	19	62	42	6	2	75
90 GJ151 R11319	16	1.1	339	15	48	47	5	2	80
90 GJ151 R11320	2	.7	271	16	47	20	4	1	110
90 GJ151 R11321	1	.9	252	12	44	2	5	7	80
90 GJ151 R11322	2	1.8	299	24	37	108	12	4	95
90 GJ151 R11323	2	1.3	538	18	79	26	28	2	95
90 GJ151 R11324	10	1.4	439	19	31	21	53	2	100
90 GJ151 R11325	2	1.1	369	14	18	45	18	4	70
90 GJ151 R11326	43	.7	124	14	55	31	2	7	65
90 GJ151 R11327	67	.8	100	17	35	36	3	4	40
90 GJ151 R11328	45	1.1	111	19	49	38	1	4	50
90 GJ151 R11329	38	.9	152	17	64	43	3	6	35
90 GJ151 R11330	49	1.0	187	15	40	38	1	6	45
90 GJ151 R11331	182	1.1	176	11	65	24	2	7	40
90 GJ151 R11332	164	1.5	96	14	135	15	3	18	65
90 GJ151 R11333	96	1.0	44	17	62	9	2	18	75
90 GJ151 R11334	117	1.2	82	8	128	1	4	11	45
90 GJ151 R11335	141	1.3	83	23	119	24	3	7	50
90 GJ151 R11336	60	1.0	98	13	74	19	3	6	110
90 GJ151 R11337	39	1.0	69	18	29	81	6	9	80
90 GJ151 R11338	120	.9	129	14	49	23	4	7	135
90 GJ151 R11339	235	.9	97	15	21	1	1	1	65
90 GJ151 R11340	218	.8	107	11	21	17	1	1	100
90 GJ151 R11341	246	.8	149	13	21	1	1	6	65
90 GJ151 R11342	164	.8	171	13	22	1	1	1	70
90 GJ151 R11343	98	.8	147	11	17	8	1	1	50
90 GJ151 R11344	71	.7	140	18	50	1	1	1	65
90 GJ151 R11345	70	1.1	151	19	317	1	1	1	135
90 GJ151 R11346	73	1.2	149	23	149	2	1	1	95
90 GJ151 R11347	80	.9	158	10	22	1	1	1	50
90 GJ151 R11348	58	1.1	115	8	24	1	1	1	40
90 GJ151 R11349	59	1.2	184	10	19	1	1	1	85
90 GJ151 R11350	63	1.1	198	16	16	1	2	1	65
90 GJ151 R11351	118	1.1	219	13	26	4	1	1	100
90 GJ151 R11352	64	.7	237	11	30	1	1	1	90
90 GJ151 R11353	62	1.0	222	8	19	1	2	1	70
90 GJ151 R11354	109	.8	236	19	16	1	1	1	80
90 GJ151 R11355	97	.8	152	16	21	1	1	1	65
90 GJ151 R11356	558	1.0	573	13	24	1	1	1	85
90 GJ151 R11357	398	1.3	424	10	26	1	1	5	60
90 GJ151 R11358	585	1.4	830	9	10	1	2	24	70
90 GJ151 R11359	183	1.6	344	10	10	1	2	5	80
90 GJ151 R11360	113	1.6	292	12	18	9	1	1	50
90 GJ151 R11361	109	1.1	272	11	19	1	1	1	70
90 GJ151 R11362	104	1.2	311	10	22	21	1	1	65
90 GJ151 R11363	58	1.1	255	16	24	1	1	1	75
90 GJ151 R11364	108	.8	333	12	26	6	1	3	110
90 GJ151 R11365	94	.8	255	9	33	1	1	7	50

90-G02

90-G03

COMP: KEEWATIN ENGINEERING
PROJ: GJ #151
ATTN: R.NICHOLS/D.MEHNER

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: OS-0499-RJ3+4
DATE: 90/09/21
* ROCK * (ACT:F31)

SAMPLE NUMBER	AU PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM	HG PPB
90 GJ151 R11366	64	.8	325	22	25	2	1	6	100
90 GJ151 R11367	75	1.0	403	13	22	4	1	9	120
90 GJ151 R11368	103	1.5	431	17	22	1	1	5	115
90 GJ151 R11369	230	1.3	894	19	20	14	1	10	110
90 GJ151 R11370	167	1.2	859	21	19	1	1	7	70
90 GJ151 R11371	146	1.1	559	12	21	12	1	5	80
90 GJ151 R11372	139	.9	385	13	23	3	1	4	65
90 GJ151 R11373	192	1.3	507	15	25	9	1	6	105
90 GJ151 R11374	140	.5	444	19	25	1	1	6	75
90 GJ151 R11375	85	.9	387	18	28	19	1	25	80
90 GJ151 R11376	52	1.2	350	8	26	1	1	72	100
90 GJ151 R11377	44	1.0	259	9	29	1	1	6	65
90 GJ151 R11378	23	1.1	282	16	26	1	1	8	40
90 GJ151 R11379	20	1.3	156	18	41	6	1	11	85
90 GJ151 R11380	59	1.5	550	16	61	1	1	8	105
90 GJ151 R11381	108	1.6	346	25	182	70	1	6	120
90 GJ151 R11382	130	1.4	500	20	83	8	1	2	65
90 GJ151 R11383	102	2.3	388	33	445	81	5	2	195
90 GJ151 R11384	182	3.1	333	25	548	32	12	1	264
90 GJ151 R11385	63	1.3	257	16	29	1	1	3	85
90 GJ151 R11386	40	.9	248	19	40	2	1	1	80
90 GJ151 R11387	2	1.0	80	25	153	52	5	46	90
90 GJ151 R11388	5	.8	144	14	26	7	1	17	65
90 GJ151 R11389	3	.5	119	13	22	18	1	15	35
90 GJ151 R11390	2	1.3	86	8	56	1	1	4	100
90 GJ151 R11391	1	1.4	73	11	17	1	1	4	45
90 GJ151 R11392	2	1.2	63	23	44	24	1	2	80
90 GJ151 R11393	2	1.3	52	15	39	24	2	3	60
90 GJ151 R11394	24	1.0	120	15	43	24	1	4	75
90 GJ151 R11395	18	1.3	198	8	122	1	3	10	80
90 GJ151 R11396	28	1.2	103	10	72	1	4	1	115

90-G03

90-G04

COMP: KEEWATIN ENGINEERING
PROJ: GJ 151
ATTN: R.NICHOLS/D.MEHNER

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 0S-0549-RJ1+2
DATE: 90/09/28
* ROCK * (ACT:F31)

SAMPLE NUMBER	AU PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM	HG PPB
90 151GJ R29022B	12	.5	87	21	31	1	1	8	45
90 151GJ R29023B	30	.8	237	17	43	1	1	37	50
90 151GJ R29024B	24	.5	192	21	36	1	1	2	65
90 151GJ R29025B	8	.9	113	14	49	1	1	1	95
90 151GJ R29026B	106	.9	561	18	34	1	1	1	195
90 151GJ R29027B	180	.8	825	18	38	1	1	6	90
90 151GJ R29028B	45	.6	332	14	40	1	1	1	130
90 151GJ R29029B	22	.8	226	14	38	1	1	1	240
90 151GJ R29030B	17	.4	247	13	40	1	1	2	125
90 151GJ R29031B	34	.7	310	12	49	1	1	3	160
90 151GJ R29032B	1020	1.7	262	27	67	34	7	1	140
90 151GJ R29033B	35	1.0	120	23	22	1	2	2	45
90 151GJ R29034B	42	.7	110	18	30	1	1	3	75
90 151GJ R29035B	20	.8	101	23	45	1	1	1	120
90 151GJ R29036B	34	1.1	110	16	68	1	1	3	165
90 151GJ R29037B	18	1.4	123	24	96	6	3	5	215
90 151GJ R29038B	9	2.0	217	20	99	1	1	5	180
90 151GJ R29039B	33	2.4	193	34	161	26	3	7	265
90 151GJ R29040B	51	2.9	124	31	183	76	9	9	240
90 151GJ R29041B	20	2.5	128	30	117	45	6	4	210
90 151GJ R29042B	11	2.6	71	29	121	14	6	10	225
90 151GJ R29043B	17	2.1	89	26	141	21	6	17	180
90 151GJ R29044B	28	2.6	163	20	139	1	7	5	240
90 151GJ R29045B	278	2.8	155	36	58	399	11	6	125
90 151GJ R29046B	16	2.1	102	25	59	27	5	6	160
90 151GJ R29047B	2	2.1	97	27	56	24	5	12	245
90 151GJ R29048B	8	2.4	83	21	57	1	4	6	185
90 151GJ R29049B	43	2.4	195	25	43	7	9	4	120
90 151GJ R29050B	28	2.1	218	32	42	15	4	4	125
90 151GJ R29101B	6	1.0	44	22	19	57	2	2	105
90 GJ151 R29102B	4	.4	21	32	52	1	1	1	70
90 GJ151 R29103B	2	.2	39	23	60	20	1	4	80
90 GJ151 R29104B	5	.1	53	26	40	1	1	9	110
90 GJ151 R29105B	6	.3	41	17	39	1	1	1	65
90 GJ151 R29106B	25	1.1	64	21	64	7	1	3	95
90 GJ151 R29107B	18	1.2	61	24	35	54	5	1	80
90 GJ151 R29108B	67	2.0	139	54	127	52	3	1	85
90 GJ151 R29109B	330	8.5	731	180	500	72	5	16	65
90 GJ151 R29110B	6	.6	63	17	25	1	1	1	45
90 GJ151 R29111B	31	.8	52	29	31	25	1	1	70
90 GJ151 R29112B	72	1.2	62	72	115	164	3	4	185
90 GJ151 R29113B	16	1.0	77	25	34	36	4	10	125
90 GJ151 R29114B	315	2.1	147	22	55	62	10	7	140
90 GJ151 R29115B	193	1.9	82	25	29	140	12	6	150
90 GJ151 R29116B	3500	13.4	706	43	27	2350	95	1	65
90 GJ151 R29117B	273	.8	71	30	34	293	10	3	130
90 GJ151 R29118B	2600	1.8	106	27	32	762	17	5	75
90 GJ151 R29119B	655	2.0	111	130	914	1673	12	3	135
90 GJ151 R29120B	206	1.3	50	28	30	645	7	6	170
90 GJ151 R29121B	98	1.4	62	25	31	146	8	7	190
90 GJ151 R29122B	12	1.2	86	26	43	51	9	17	145
90 GJ151 R29123B	29	1.1	86	27	55	46	5	10	150
90 GJ151 R29124B	2	1.3	81	21	28	9	5	19	125
90 GJ151 R29125B	17	1.3	58	20	31	39	6	9	116
90 GJ151 R29126B	28	.7	38	17	19	1	1	6	75
90 GJ151 R29127B	3	.7	86	18	20	8	2	6	60
90 GJ151 R29128B	60	1.1	94	18	26	1	4	3	145
90 GJ151 R29129B	37	1.0	92	13	19	12	2	7	120
90 GJ151 R29130B	124	.6	114	20	23	1	1	4	110
90 GJ151 R29131B	80	.5	106	19	16	4	1	34	70

COMP: KEEWATIN ENGINEERING
PROJ: 151
ATTN: R.NICHOLS/D.MEHNER

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 0S-0526-RJ1
DATE: 90/09/22
* ROCK * (ACT:F31)

SAMPLE NUMBER	AU PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM	HG PPB
90 151 R11397	12	1.8	72	24	34	35	5	1	155
90 151 R11398	2	2.1	108	19	31	1	5	1	140
90 151 R11399	6	2.2	79	12	39	1	4	5	130
90 151 R11400	4	1.8	107	17	50	1	4	4	110
90 151 R29001	30	1.8	217	39	89	33	8	6	125
90 151 R29002	4	1.9	142	26	102	26	6	1	175
90 151 R29003	42	1.7	97	13	47	1	5	1	125
90 151 R29004	16	1.8	63	16	29	7	4	1	145
90 151 R29005	51	1.5	321	19	41	15	4	3	170
90 151 R29006	2	1.4	223	29	98	12	4	2	165
90 151 R29007	10	1.9	312	24	327	9	2	1	175
90 151 R29008	17	2.1	181	8	45	1	6	1	105
90 151 R29009	4	1.5	121	8	18	1	1	1	135
90 151 R29010	5	2.1	77	8	21	1	1	1	65
90 151 R29011	9	1.9	93	8	32	1	1	1	110
90 151 R29012	3	1.8	156	18	22	13	1	1	135
90 151 R29013	14	2.3	124	8	23	1	1	1	100
90 151 R29014	2	1.7	97	16	21	1	3	1	60
90 151 R29015	3	1.3	152	26	43	14	2	1	115
90 151 R29016	4	1.0	111	23	52	1	2	1	175
90 151 R29017	2	1.0	267	16	82	1	1	1	135
90 151 R29018	1	.7	129	12	35	14	1	1	70
90 151 R29019	1	.7	55	12	30	45	1	1	85
90 151 R29020	4	.8	69	16	34	20	1	1	90
90 151 R29021	2	.9	94	11	45	1	1	1	160

90-607

COMP: KEEWATIN ENGRG.
PROJ: GJ 151
ATTN: R.NICHOLS/D.MEHNER

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 0S-0636-RJ1
DATE: 90/10/09
* ROCK * (ACT:F31)

SAMPLE NUMBER	AU PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM	HG PPB
90 GJ 151 R29051	190	2.5	73	25	56	68	3	20	90
90 GJ 151 R29052	23	1.9	61	23	52	69	2	15	105
90 GJ 151 R29143	15	.9	62	22	53	30	1	1	65
90 GJ 151 R29144	52	1.4	150	36	82	51	1	9	100
90 GJ 151 R29145	31	1.2	104	43	189	59	2	11	115
90 GJ 151 R29146	9	1.1	106	29	34	60	3	24	110
90 GJ 151 R29147	27	2.0	86	31	81	105	9	12	120
90 GJ 151 R29148	41	2.0	61	18	42	47	7	3	95
90 GJ 151 R29149	9	1.4	57	22	47	85	4	2	80
90 GJ 151 R29150	25	1.5	66	17	51	72	4	10	85
90 GJ 151 R29516	3	.8	29	16	58	40	1	1	100
90 GJ 151 R29517	21	1.2	42	23	84	97	1	3	165
90 GJ 151 R29518	3	1.4	117	13	54	29	1	1	120
90 GJ 151 R29519	2	2.0	118	10	56	1	1	1	65
90 GJ 151 R29520	3	1.6	108	19	80	14	1	1	40
90 GJ 151 R29521	9	.9	52	16	74	17	1	1	45
90 GJ 151 R29522	4	1.1	55	29	60	12	1	1	30
90 GJ 151 R29523	4	.8	63	27	66	1	1	1	30
90 GJ 151 R29524	4	.6	43	14	75	1	1	3	25

COMP: KEEWATIN ENGRG.
PROJ: GJ 151
ATTN: R.NICHOLS/D.MEHNER

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: OS-0572-RJ1+2
DATE: 90/10/02
* ROCK * (ACT:F31)

SAMPLE NUMBER	AU PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM	HG PPB
90 GJ151 R29174 B	1	.9	53	23	69	1	1	1	265
90 GJ151 R29175 B	151	2.8	148	119	261	24	1	1	230
90 GJ151 R29176 B	81	2.8	120	114	699	294	1	1	430
90 GJ151 R29177 B	101	4.5	355	120	239	13	1	1	250
90 GJ151 R29178 B	1	.8	79	31	164	1	1	1	175
90 GJ151 R29179 B	18	.5	129	16	66	1	1	1	75
90 GJ151 R29180 B	31	1.5	124	24	1416	1	1	1	585
90 GJ151 R29181 B	1	1.1	66	28	61	1	1	1	105
90 GJ151 R29182 B	3	.8	68	36	92	1	1	1	95
90 GJ151 R29183 B	25	1.0	104	28	133	1	1	1	140
90 GJ151 R29184 B	108	2.5	813	26	76	1212	1	1	120
90 GJ151 R29185 B	141	1.9	154	39	230	362	1	1	170
90 GJ151 R29186 B	3	.8	87	14	85	1	1	1	100
90 GJ151 R29187 B	1	.9	68	36	45	1	1	1	185
90 GJ151 R29188 B	1	1.0	50	20	31	1	1	3	65
90 GJ151 R29189 B	1	.1	49	25	66	12	1	1	105
90 GJ151 R29190 B	1	.2	55	26	53	12	1	1	65
90 GJ151 R29191 B	1	.7	52	23	39	6	1	1	70
90 GJ151 R29192 B	1	.6	46	23	47	12	1	1	195
90 GJ151 R29193 B	1	.4	58	18	41	17	1	1	75
90 GJ151 R29194 B	1	.5	94	22	40	1	1	1	65
90 GJ151 R29195 B	1	.9	33	20	41	1	1	1	210
90 GJ151 R29196 B	1	1.1	68	6	42	1	1	1	105
90 GJ151 R29197 B	1	1.2	153	6	71	1	1	1	85
90 GJ151 R29198 B	2	1.2	154	8	74	1	1	1	115
90 GJ151 R29199 B	3	1.4	143	6	53	1	1	1	70
90 GJ151 R29200 B	1	1.1	155	4	77	1	1	1	80
90 GJ151 R29501 B	1	1.3	110	3	55	1	1	1	60
90 GJ151 R29502 B	1	.7	65	11	49	1	1	1	75
90 GJ151 R29503 B	1	.8	42	16	44	1	1	1	50
90 GJ151 R29504 B	1	.6	39	16	61	1	1	1	45
90 GJ151 R29505 B	1	.8	46	14	62	1	1	1	65
90 GJ151 R29506 B	1	.7	30	16	38	20	1	1	60
90 GJ151 R29507 B	13	1.2	37	32	70	40	2	18	180
90 GJ151 R29508 B	1	.5	23	15	50	18	1	1	95
90 GJ151 R29509 B	40	.7	51	22	82	53	1	4	70
90 GJ151 R29510 B	1	.4	35	9	65	1	1	1	40
90 GJ151 R29511 B	1	.5	47	13	60	11	1	1	20
90 GJ151 R29512 B	1	1.6	62	17	146	61	1	9	105
90 GJ151 R29513 B	1	.7	58	14	95	63	1	7	80
90 GJ151 R29514 B	1	1.2	74	21	207	66	2	27	165
90 GJ151 R29515 B	1	.8	45	16	115	92	1	9	105

90-606

90-607

COMP: KEEWATIN ENGINEERING
PROJ: 151
ATTN: R. NICHOLS/ D. MEHNER

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 0S-0703-RJ1+2
DATE: 90/10/26
* ROCK * (ACT:F31)

SAMPLE NUMBER	AU PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM	HG PPB
90GJ 151 R29053	26	2.4	84	23	205	29	5	7	455
90GJ 151 R29054	455	4.9	108	18	2825	52	14	12	235
90GJ 151 R29055	164	4.1	99	18	1914	107	13	37	365
90GJ 151 R29056	1050	4.7	112	16	7993	53	14	79	535
90GJ 151 R29057	41	3.2	73	30	400	112	7	11	240
90GJ 151 R29058	54	2.3	105	16	144	35	2	16	150
90GJ 151 R29059	37	1.5	106	20	928	59	2	18	255
90GJ 151 R29060	12	1.0	55	16	62	71	1	4	125
90GJ 151 R29061	22	1.0	45	21	77	33	1	7	200
90GJ 151 R31248	85	1.5	193	20	94	282	1	4	150
90GJ 151 R31249	23	1.1	138	13	79	35	1	2	160
90GJ 151 R31250	13	1.0	140	20	68	4	1	5	125
90GJ 151 R31251	4	1.2	95	14	27	1	1	5	115
90GJ 151 R31252	3	1.0	95	22	25	1	1	3	125
90GJ 151 R31253	180	3.3	728	21	232	302	1	5	95
90GJ 151 R31254	21	1.4	250	20	67	60	1	1	155
90GJ 151 R31255	28	1.8	427	9	36	1	1	4	110
90GJ 151 R31256	24	1.2	181	12	23	1	1	2	160
90GJ 151 R31257	28	.8	162	11	32	15	1	3	175
90GJ 151 R31258	113	1.5	190	38	72	1	1	3	165
90GJ 151 R31259	36	1.6	204	11	43	13	1	1	135
90GJ 151 R31260	22	1.7	234	16	60	1	1	2	125
90GJ 151 R31261	57	1.9	428	17	79	23	1	2	115
90GJ 151 R31262	42	1.9	218	37	96	10	1	4	135
90GJ 151 R31263	40	1.9	296	22	84	1	1	13	195
90GJ 151 R31264	60	1.3	208	13	54	9	1	6	205
90GJ 151 R31265	236	1.2	227	11	32	76	1	10	160
90GJ 151 R31266	38	1.0	218	13	27	126	1	1	185
90GJ 151 R31267	27	.8	143	16	25	41	1	4	160
90GJ 151 R31268	44	1.4	174	22	41	37	1	3	185
90GJ 151 R31269	6	1.3	82	21	42	28	1	4	120
90GJ 151 R31270	184	1.3	206	6	46	20	1	12	155
90GJ 151 R31271	61	2.4	379	23	127	62	1	7	405
90GJ 151 R31272	26	2.1	212	15	128	33	1	1	325
90GJ 151 R31273	17	2.0	374	14	54	32	1	2	190
90GJ 151 R31274	4	1.3	133	17	19	41	1	2	120
90GJ 151 R31275	36	2.5	269	16	24	48	1	6	85
90GJ 151 R31276	32	2.4	246	22	26	46	1	6	230
90GJ 151 R31277	34	2.1	190	14	39	98	1	2	135
90GJ 151 R31278	97	2.0	174	9	62	69	4	4	165
90GJ 151 R31279	2	1.3	95	12	75	76	1	4	135
90GJ 151 R31280	210	1.7	243	11	51	53	1	8	140
90GJ 151 R31281	24	1.6	154	10	71	53	3	13	125
90GJ 151 R31282	12	1.8	109	13	84	60	1	15	200
90GJ 151 R31283	1	1.3	126	10	70	46	1	22	175
90GJ 151 R31284	2	1.1	198	10	81	39	1	52	165
90GJ 151 R31285	3	1.5	175	17	105	85	2	37	130
90GJ 151 R31286	1	2.1	224	6	121	64	1	25	225
90GJ 151 R31287	12	3.2	252	7	76	44	1	1	195
90GJ 151 R31288	12	1.5	163	14	33	2	1	3	150
90GJ 151 R31289	58	2.3	440	14	34	54	1	3	100
90GJ 151 R31290	2	1.5	84	15	69	13	1	3	165
90GJ 151 R31291	8	1.3	160	9	47	32	1	5	125
90GJ 151 R31292	32	1.5	174	17	47	24	1	2	150
90GJ 151 R31293	2	1.3	109	6	44	53	1	2	120
90GJ 151 R31294	16	1.1	73	13	55	26	1	1	145
90GJ 151 R31295	2	1.2	104	6	44	5	1	3	135
90GJ 151 R31296	62	1.6	180	17	87	53	1	1	160
90GJ 151 R31297	2	1.3	97	7	44	8	1	3	200
90GJ 151 R31298	23	1.2	151	15	62	25	1	1	185

COMP: KEEWATIN ENGINEERING
PROJ: 151
ATTN: R. NICHOLS/ D. MEHNER

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 0S-0703-RJ5
DATE: 90/10/26
* ROCK * (ACT:F31)

SAMPLE NUMBER	AU PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM	HG PPB
90GJ 151 R31359	58	1.3	103	21	67	51	3	33	1840
90GJ 151 R31360	33	1.2	102	14	63	65	2	5	2450
90GJ 151 R31361	21	1.2	90	19	83	80	4	18	2270
90GJ 151 R31362	6	1.3	171	23	80	45	5	7	1785
90GJ 151 R31363	20	1.4	175	17	21	61	1	6	1730
90GJ 151 R31364	4	1.5	80	20	26	76	4	12	1985
90GJ 151 R31365	14	1.3	112	22	22	58	2	18	1330
90GJ 151 R31366	22	2.1	128	10	22	61	3	15	1790
90GJ 151 R31367	2	1.4	97	15	23	73	1	10	1635

COMP: KEEWATIN ENGINEERING
PROJ: 151
ATTN: R. NICHOLS/ D. MEHNER

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 0S-0703-RJ3+4
DATE: 90/10/26
* ROCK * (ACT:F31)

SAMPLE NUMBER	AU PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM	HG PPB
90GJ 151 R31299	29	1.1	93	15	41	6	1	4	255
90GJ 151 R31300	510	1.5	195	16	44	65	1	2	145
90GJ 151 R31301	35	1.3	111	17	48	7	1	2	155
90GJ 151 R31302	9	1.4	98	8	52	28	1	6	145
90GJ 151 R31303	19	1.4	122	16	30	26	1	4	150
90GJ 151 R31304	2	1.3	129	21	30	18	1	4	175
90GJ 151 R31305	21	1.3	102	16	29	40	1	3	130
90GJ 151 R31306	1	1.1	84	20	26	34	1	4	110
90GJ 151 R31307	26	1.8	150	24	24	30	1	2	145
90GJ 151 R31308	4	1.6	70	23	96	105	7	5	170
90GJ 151 R31309	6	1.4	55	19	178	65	3	5	135
90GJ 151 R31310	12	.9	59	15	57	58	1	3	245
90GJ 151 R31311	2	.7	62	14	40	42	2	5	195
90GJ 151 R31312	1	1.3	55	28	67	86	2	10	275
90GJ 151 R31313	3	1.0	50	19	47	20	1	4	200
90GJ 151 R31314	3	.7	45	16	63	36	1	1	240
90GJ 151 R31315	1	.9	43	12	80	64	1	3	245
90GJ 151 R31316	5	1.6	69	8	85	62	1	5	215
90GJ 151 R31317	5	1.9	40	30	105	71	2	3	155
90GJ 151 R31318	34	1.9	75	25	67	230	4	4	220
90GJ 151 R31319	122	2.4	195	18	61	369	6	4	245
90GJ 151 R31320	3	1.1	115	20	63	62	2	8	235
90GJ 151 R31321	3	1.1	85	18	87	67	1	7	215
90GJ 151 R31322	1	1.0	48	23	74	68	4	9	275
90GJ 151 R31323	2	1.0	63	20	85	95	5	12	265
90GJ 151 R31324	2	1.4	49	29	108	63	6	12	305
90GJ 151 R31325	2	1.6	61	29	86	54	7	12	285
90GJ 151 R31326	6	1.3	59	18	79	58	2	14	295
90GJ 151 R31327	2	1.5	51	20	60	72	3	15	265
90GJ 151 R31328	1	1.1	58	25	64	81	1	12	305
90GJ 151 R31329	12	.7	52	18	85	35	5	11	155
90GJ 151 R31330	26	1.3	55	13	38	96	4	5	145
90GJ 151 R31331	21	1.4	50	18	92	49	4	5	185
90GJ 151 R31332	1	1.6	54	26	58	84	3	8	145
90GJ 151 R31333	3	1.3	63	19	46	47	3	22	120
90GJ 151 R31334	11	1.3	149	20	47	98	3	36	195
90GJ 151 R31335	22	1.9	129	26	132	58	2	16	225
90GJ 151 R31336	39	1.8	121	25	314	91	2	49	200
90GJ 151 R31337	82	2.1	126	25	261	92	8	101	395
90GJ 151 R31338	22	1.7	87	30	356	132	3	109	410
90GJ 151 R31339	31	1.8	94	30	331	65	5	159	405
90GJ 151 R31340	38	2.4	133	30	984	103	7	107	635
90GJ 151 R31341	32	2.2	111	32	943	92	9	92	695
90GJ 151 R31342	37	2.3	156	26	350	83	7	104	495
90GJ 151 R31343	24	1.6	99	28	74	99	5	99	365
90GJ 151 R31344	60	1.5	118	26	84	85	7	112	305
90GJ 151 R31345	38	1.2	67	20	27	88	4	44	230
90GJ 151 R31346	45	1.2	111	21	26	55	2	33	160
90GJ 151 R31347	67	1.8	252	15	43	26	1	48	155
90GJ 151 R31348	40	1.7	125	21	67	1	1	1	165
90GJ 151 R31349	18	1.7	123	11	59	1	1	1	150
90GJ 151 R31350	44	2.2	232	19	54	11	1	3	135
90GJ 151 R31351	136	1.4	279	20	49	9	1	1	140
90GJ 151 R31352	17	1.5	151	14	35	45	1	10	205
90GJ 151 R31353	6	1.2	123	20	38	59	1	3	185
90GJ 151 R31354	1	1.3	72	22	31	40	1	17	180
90GJ 151 R31355	19	1.3	113	15	47	59	3	18	195
90GJ 151 R31356	537	1.1	148	10	66	75	2	1	300
90GJ 151 R31357	142	1.4	143	13	60	68	6	61	400
90GJ 151 R31358	41	.8	143	22	32	57	2	23	225

COMP: KEEWATIN ENGINEERING
PROJ: 151
ATTN: R. NICHOLS/ D. MEHNER

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

FILE NO: 0S-0703-RJ5
DATE: 90/10/26
* ROCK * (ACT:F31)

SAMPLE NUMBER	AU PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM	HG PPB
90GJ 151 R31359	58	1.3	103	21	67	51	3	33	1840
90GJ 151 R31360	33	1.2	102	14	63	65	2	5	2450
90GJ 151 R31361	21	1.2	90	19	83	80	4	18	2270
90GJ 151 R31362	6	1.3	171	23	80	45	5	7	1785
90GJ 151 R31363	20	1.4	175	17	21	61	1	6	1730
90GJ 151 R31364	4	1.5	80	20	26	76	4	12	1985
90GJ 151 R31365	14	1.3	112	22	22	58	2	18	1330
90GJ 151 R31366	22	2.1	128	10	22	61	3	15	1790
90GJ 151 R31367	2	1.4	97	15	23	73	1	10	1635

MIN
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LABORATORIES
(DIVISION OF ASSAYERS CORP.)

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS •ANALYSTS •GEOCHEMISTS

VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
FAX (604) 980-9621

THUNDER BAY LAB.:
TELEPHONE (807) 622-8958
FAX (807) 623-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Assay Certificate

OS-0549-RA1

Company: KEEWATIN ENGINEERING
Project: GJ 151
Attn: R.NICHOLS/D.MEHNER

Date: SEP-28-90
Copy 1. KEEWATIN ENGINEERING, VANCOUVER, B.C.
2. KEEWATIN ENGINEERING, C/O JAYCOX

We hereby certify the following Assay of 4 ROCK samples submitted SEP-20-90 by D.MEHNER.

Sample Number	*AU g/tonne	*AU oz/ton
90 151GJ R29032B	1.04	.030
90 151GJ R29116B	3.20	.093
90 151GJ R29118B	2.82	.082
90 151GJ R29151B	5.02	.146

*AU - 1 ASSAY TON

Certified by _____

MIN-EN LABORATORIES

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(DIVISION OF ASSAYERS CORP.)

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CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
FAX (604) 980-9621

THUNDER BAY LAB.:
TELEPHONE (807) 622-8958
FAX (807) 623-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Assay Certificate

OS-0467-RA1

Company: KEEWATIN ENGINEERING
Project: GJ 151
Attn: D.MEHNER/R.NICHOLS

Date: SEP-14-90
Copy 1. KEEWATIN ENGINEERING, VANCOUVER, B.C.
2. KEEWATIN ENGINEERING, C/O MIN-EN LABS

He hereby certify the following Assay of 3 ROCK samples submitted SEP-08-90 by D.MEHNER.

Sample Number	*AU g/tonne	*AU oz/ton
90 GJ 151 R11266	1.54	.045
90 GJ 151 R11288	2.20	.064
90 GJ 151 R11289	1.26	.037

*AU - 1 ASSAY TON

Certified by _____

MIN-EN LABORATORIES

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(DIVISION OF ASSAYERS CORP.)

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS •ASSAYERS •ANALYSTS •GEOCHEMISTS

VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
FAX (604) 980-9621

THUNDER BAY LAB.:
TELEPHONE (807) 622-8958
FAX (807) 623-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Assay Certificate

OS-0703-RA1

Company: KEEWATIN ENGINEERING
Project: 151
Attn: R. NICHOLS/ D. MEHNER

Date: OCT-26-90
Copy 1. KEEWATIN ENGINEERING, VANCOUVER, B.C.
2. KEEWATIN ENGINEERING, VERNON, B.C.

We hereby certify the following Assay of 1 ROCK samples submitted OCT-18-90 by BOB RYZIUK.

Sample Number	*AU g/tonne	*AU oz/ton	AG g/tonne	AG oz/ton
90GJ 151 R29056	1.02	.030	4.6	.13

*AU = 1 ASSAY TON

Certified by _____

MIN-EN LABORATORIES

APPENDIX XIII

Statement of Qualifications

STATEMENT OF QUALIFICATIONS

I, DAVID T. MEHNER, of 333 Scenic Drive, in the Municipality of Coldstream, in the Province of British Columbia, do hereby certify that:

1. I am a Consulting Geologist with Keewatin Engineering Inc., with offices at 800 - 900 West Hastings Street, Vancouver, B.C. V6C 1E5.

2. I am a graduate of the University of Manitoba, B.Sc. Honours, 1976, M.Sc. Geology, 1982.

3. I have practised my profession continuously since 1979.

4. I am a Fellow of the Geological Association of Canada.

5. During the period of July to October, 1990, I managed and carried out the exploration program on the GJ Property claims near Kinaskan Lake on behalf of Ascot Resources Ltd.

6. I do not own or expect to receive any interest (direct, indirect or contingent) in the properties described herein, nor in the securities of Ascot Resources Ltd. in respect of services rendered in the preparation of this report.

Dated at Vancouver, British Columbia, this 29th day of January, A.D. 1991.

Respectfully submitted,

GEOLOGICAL ASSOCIATION OF CANADA
D. T. MEHNER
FELLOW

David T. Mehner, M.Sc., FGAC

FALCONBRIDGE PROPERTY

GJ

SPIKE 1

SPIKE 2

GROAT CREEK

130°14'

57°38'

LEGEND

V-66 — SOIL SAMPLE 90-V-15IS-066
Cu (ppm) / Au (ppb)

DP-01 — SILT SAMPLE 90-DP-15IL-01
Results as above

90-2 — DIAMOND DRILL HOLE

Base map is blow-up of 1:50,000 government topo map
Ground control by topo-chain, compass and altimeter

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,933

GEOLOGICAL ASSOCIATION OF CANADA · D. T. MEHNER · FELLOW

ASCOT RESOURCES LTD.

GJ PROPERTY
1990 SILT & SOIL GEOCHEMISTRY
Cu / Au

DATE: DEC. 5, 1990 (Jan 29/91) | NTS: 104 G/9
PROJECT: GJ CLAIMS | DRAWN BY: D. MEHNER
SCALE: 1:5000 | 0 50 100 150 200 250 METRES
KEEWATIN ENGINEERING INC. | MAP No. 1

FALCONBRIDGE PROPERTY

GJ

SPIKE 1

SPIKE 2

GROAT CREEK

BASELINE

57° 38'

130° 14'

LEGEND

V-66 — SOIL SAMPLE 90-V-15IS-066
Pb (ppm) / Zn (ppm)

DP-01 △ — SILT SAMPLE 90-DP-15IL-01
Results as above

90-2 ◉ — DIAMOND DRILL HOLE

- Base map is blow up of 1:50,000 government topo map.
Ground control by grid, topo chain, compass, and altimeter. Pre-1990 drill holes were surveyed relative to GJ LCP, 1990 drill holes located by compass and topochain.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,933

GEOLOGICAL ASSOCIATION OF CANADA
D. T. MEHNER
FELLOW

ASCOT RESOURCES LTD.

GJ PROPERTY
1990 SILT & SOIL GEOCHEMISTRY
Pb / Zn

DATE: Dec. 1990 / Jan 29/91 | NTS: 104G/9
PROJECT: GJ CLAIMS | DRAWN BY: D.T. MEHNER
SCALE: 1:5000 | 50 100 150 200 250 METRES
KEEWATIN ENGINEERING INC. | MAP No. 2

FALCONBRIDGE PROPERTY

GJ

SPIKE 1

SPIKE 2

GROAT CREEK

8W 6W 2W 2E 6E 10E 14E 18E 22E 26E 30E 34E 38E 42E 46E 50E 54E

14 N 12 N 10 N 8 N 6 N 4 N 2 N BASELINE 2 S 4 S 6 S 8 S 10 S 12 S 14 S 16 S 18 S 20 S 22 S 24 S 26 S 28 S 30 S 32 S 34 S 36 S 38 S 40 S

57° 38'

130° 14'

LEGEND

V-66 — SOIL SAMPLE 90-V-15IS-066
Ag (ppm) / Mo (ppm)

DP-01 — SILT SAMPLE 90-DP-15IL-01
Results as above

90-2 — DIAMOND DRILL HOLE

- Base map is blow up of 1:50,000 government topo map. Ground control by grid, topo chain, compass, and altimeter. Pre-1990 drill holes were surveyed relative to GJ LCP, 1990 drill holes located by compass and topochain.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,933

GEOLOGICAL ASSOCIATION OF CANADA
D. T. MEHNER
FELLOW

ASCOT RESOURCES LTD.

GJ PROPERTY
1990 SILT & SOIL GEOCHEMISTRY
Ag / Mo

DATE: January 29, 1991	NTS: 104 G/9
PROJECT: GJ CLAIMS	DRAWN BY: D.T. MEHNAR
SCALE: 1:5000	0 50 100 150 200 250 METRES
KEEWATIN ENGINEERING INC.	MAP No. 3

FALCONBRIDGE PROPERTY

SPIKE 1

SPIKE 2

GROAT CREEK

GJ

57°38'

130°14'

LEGEND

SOIL SAMPLE 90-V-15IS-066
As (ppm) / Hg (ppb) / Sb (ppm)

SILT SAMPLE 90-DP-15IL-01
Results as above

DIAMOND DRILL HOLE

- Base map is blow up of 1:50,000 government topo map.
Grossed control by grid, topo chain, compass, and altimeter. Pre-1990 drill holes were surveyed relative to GJ LCP, 1990 drill holes located by compass and topochain.

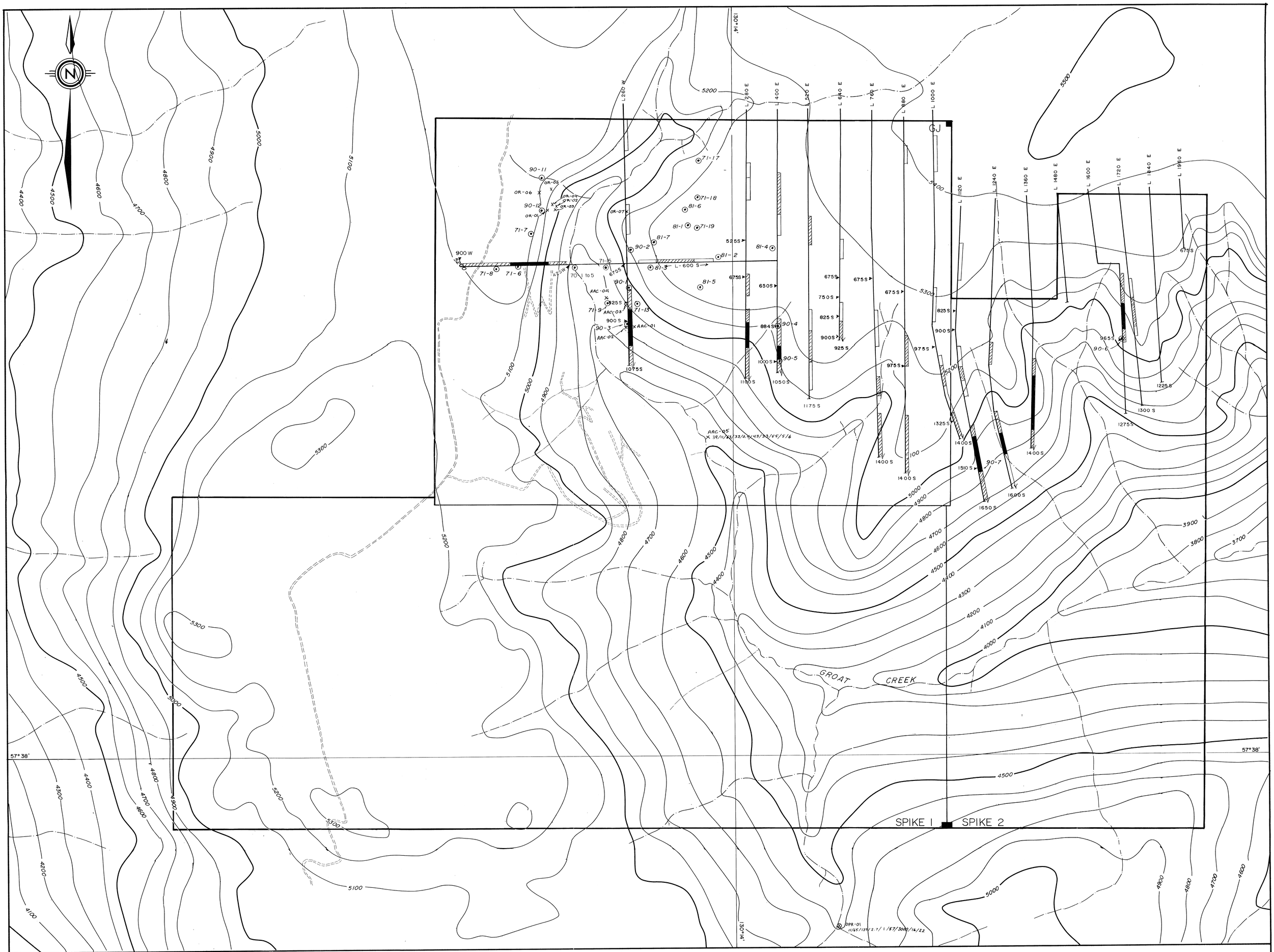
GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,933

ASCOT RESOURCES LTD.

GJ PROPERTY
1990 SILT & SOIL GEOCHEMISTRY
As / Hg / Sb

DATE: January 29, 1991	NTS: 104 G/9
PROJECT: GJ CLAIMS	DRAWN BY: D.T. MEHNAR
SCALE: 1:5000	0 50 100 150 200 250 METRES
KEEWATIN ENGINEERING INC.	MAP No. 4



ROCK GEOCHEMISTRY

Sample	ppm Cu	ppm Pb	ppm Zn	ppm Ag	ppb Au	ppm As	ppb Hg	ppm Sb	ppm Mo
OR-01	153	37	170	0.9	96	39	75	9	12
OR-02	127	19	58	0.5	38	1	135	1	1
OR-03	64	13	112	1.8	7	1	80	1	1
OR-04	75	17	79	0.1	25	1	165	4	44
OR-05	329	19	33	0.7	43	1	165	1	1
OR-06	655	44	34	5.2	52	65	90	5	1
OR-07	168	32	44	1.5	1	7	35	2	2
AAC-01	65	16	32	0.6	23	44	60	2	4
AAC-02	67	13	31	0.5	15	33	65	3	7
AAC-03	74	16	35	0.1	17	27	75	1	4
AAC-04	372	15	35	1.2	191	38	405	6	10

LEGEND

- RECCE I.P. LINE
- WEAK CHARGEABILITY HIGH
- MODERATE CHARGEABILITY HIGH
- STRONG CHARGEABILITY HIGH
- I.P. LINE CO-ORDINATE (shows relationship with soil survey grid) — 1325S / 1400S
- AAR-01 — ROCK SAMPLE 90-AA-151R-01
- 1293/41/212/3.1/400/20/100/5/1 — ppm Cu/ppm Pb/ppm Zn/ppm Ag/ppb Au/ppm As/ppb Hg/ppm Sb/ppm Mo
- AAR-02 — ROCK FLOAT SAMPLE
- 90-2 — DIAMOND DRILL HOLE

GEOLOGICAL BRANCH
ASSESSMENT REPORT

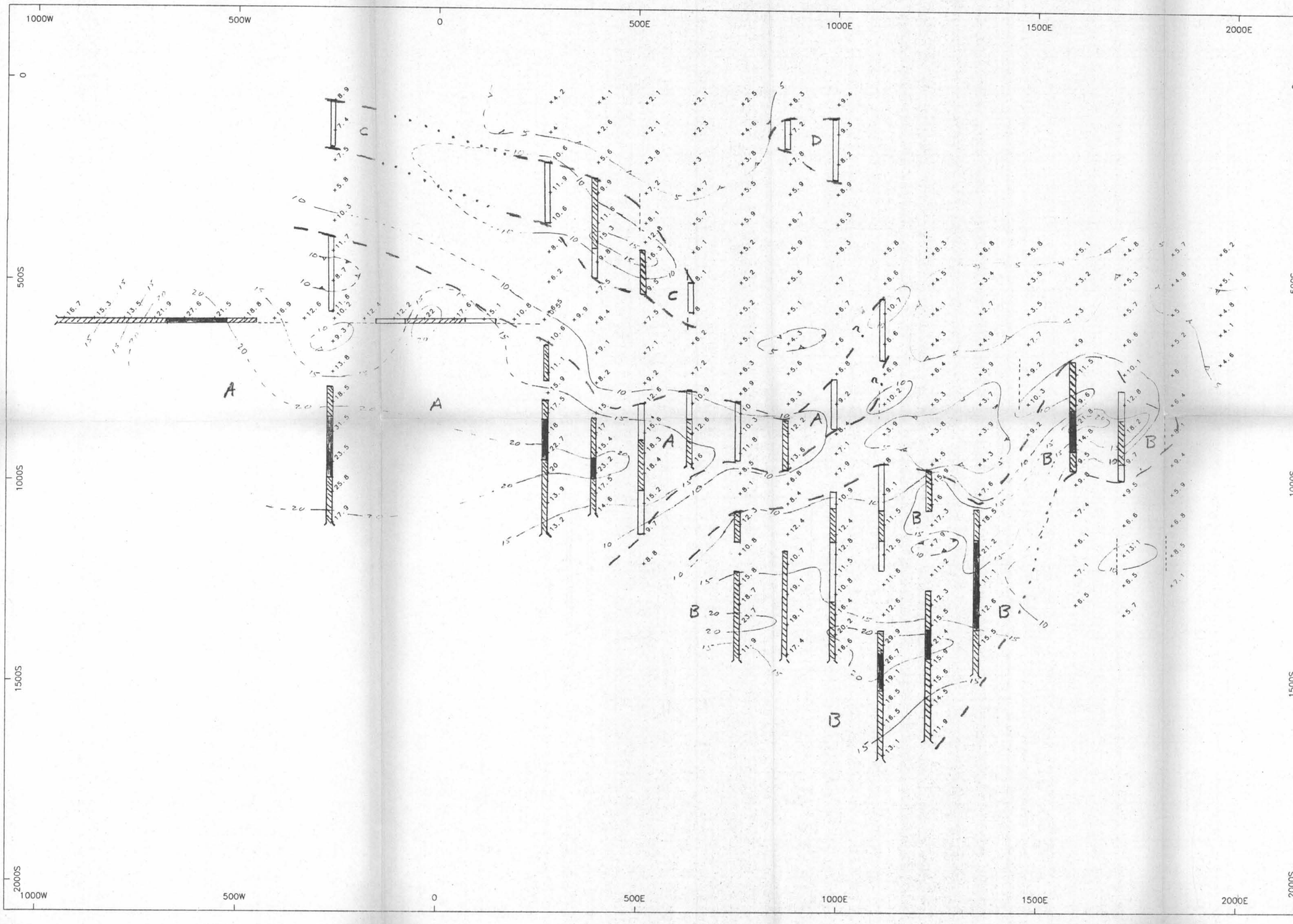
20,933

GEOLOGICAL ASSOCIATION OF CANADA
D. T. MEHNER
FELLOW

ASCOT RESOURCES LTD.

GJ PROPERTY
GEOPHYSICS
& ROCK GEOCHEMISTRY

DATE: January 29, 1991 | NTS: 104G/9
PROJECT: GJ CLAIMS
SCALE: 1:5000 (0 50 100 150 200 250 METRES)
KEEWATIN ENGINEERING INC. | MAP No. 5



SURVEY SPECIFICATIONS

array	pole dipole
a spacing	25, 25, 75, 75
n separations	1, 2, 1, 2
current electrode	north (N/S lines)
.	east (E/W line)
traverse direction	south (N/S lines)
.	west (E/W line)
receiver	Scintrex IPR11
transmitter	Scintrex IPC7
pulse time	2 seconds
M7 receive window	690-1050 msecs
mid point	870 msecs

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,933

N

0 100 200 300 400
METERS

KEEWATIN ENGINEERING INC.

GJ PROPERTY, B.C.

DEASE LAKE AREA, B.C.
CHARGEABILITY PLAN
M7 (millivolts/volt)
a=75 meters/n=1

DRAWN BY: ars	DATE: Dec. 15/90
SCOTT GEOPHYSICS LTD.	MAP 6

1000W 500W 0 500E 1000E 1500E 2000E

0 500S 1000S 1500S 2000S

SURVEY SPECIFICATIONS

array	pole dipole
a spacing	25, 25, 75, 75
n separations	1, 2, 1, 2
current electrode	north (N/S lines)
.	east (E/W line)
traverse direction	south (N/S lines)
.	west (E/W line)
receiver	Scintrex IPR11
transmitter	Scintrex IPC7
puise time	2 seconds
M7 receive window	690–1050 msecs
mid point	870 msecs

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,933

N

0 100 200 300 400
METERS

KEEWATIN ENGINEERING INC.

GJ PROPERTY

DEASE LAKE AREA, B.C.
RESISTIVITY PLAN
(ohm meters)
a=75 meters/n=1

DRAWN BY: ars	DATE: Dec. 15/90
SCOTT GEOPHYSICS LTD.	MAP 7

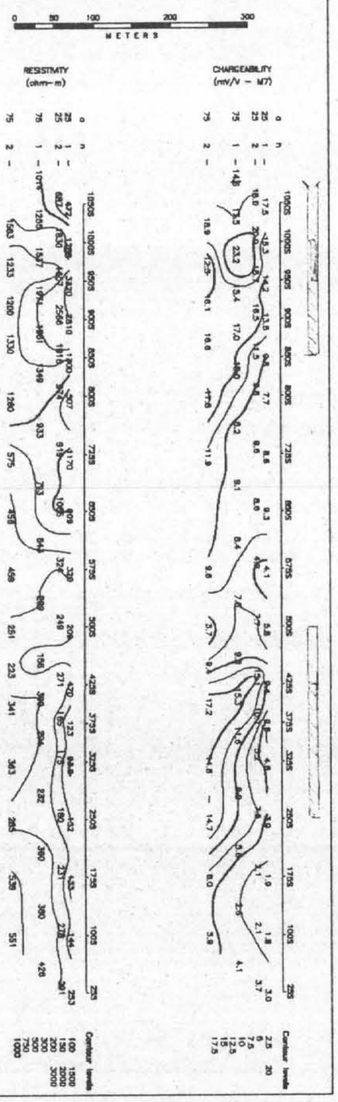
KEEWATIN ENGINEERING INC.

GJ PROPERTY, DEASE LAKE AREA, B.C.

LINE: 400E

INDUCED POLARIZATION SURVEY
SCOTT GEOPHYSICS LTD.
90/07/28
current electrode north of potential electrodes

Pole-Dipole Array
Scintrex IPR-11
Pulse Rate: 2 sec



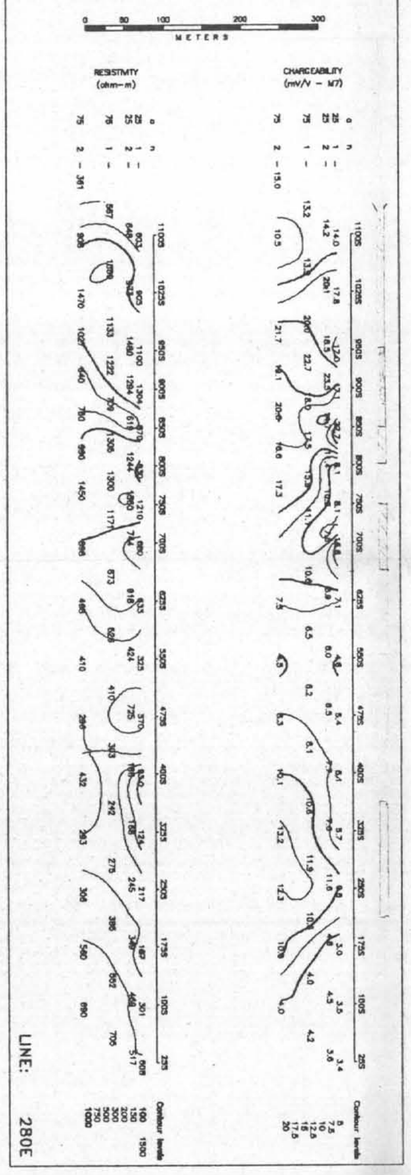
KEEWATIN ENGINEERING INC.

GJ PROPERTY, DEASE LAKE AREA, B.C.

LINE: 280E

INDUCED POLARIZATION SURVEY
SCOTT GEOPHYSICS LTD.
90/07/28
current electrode north of potential electrodes

Pole-Dipole Array
Scintrex IPR-11
Pulse Rate: 2 sec



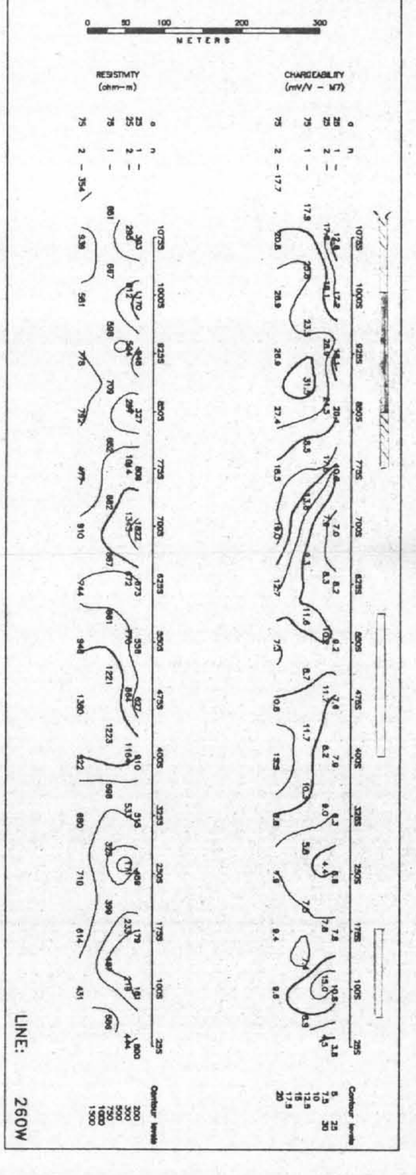
KEEWATIN ENGINEERING INC.

GJ PROPERTY, DEASE LAKE AREA, B.C.

LINE: 260W

INDUCED POLARIZATION SURVEY
SCOTT GEOPHYSICS LTD.
90/08/18
current electrode north of potential electrodes

Pole-Dipole Array
Scintrex IPR-11
Pulse Rate: 2 sec



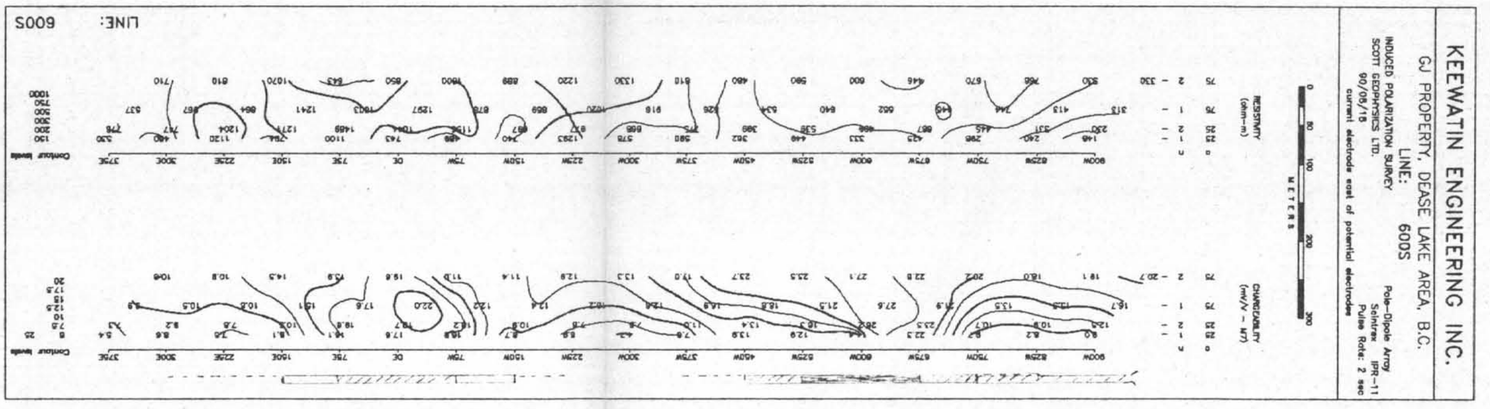
KEEWATIN ENGINEERING INC.

GJ PROPERTY, DEASE LAKE AREA, B.C.

LINE: 600S

INDUCED POLARIZATION SURVEY
SCOTT GEOPHYSICS LTD.
90/08/18
current electrode west of potential electrodes

Pole-Dipole Array
Scintrex IPR-11
Pulse Rate: 2 sec



GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,933

MAP 8

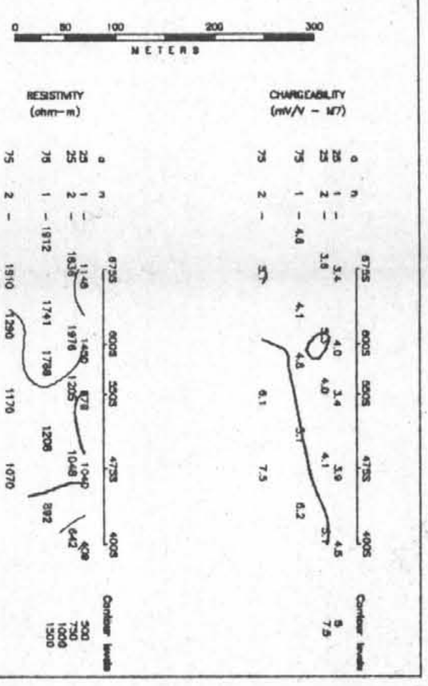
KEEWATIN ENGINEERING INC.

GJ PROPERTY, DEASE LAKE AREA, B.C.

LINE: 1960E

INDUCED POLARIZATION SURVEY
SCOTT GEOPHYSICS LTD.
90/07/25
current electrode north of potential electrodes

Pole–Dipole Array
Scintrex IPR–11
Pulse Rate: 2 sec



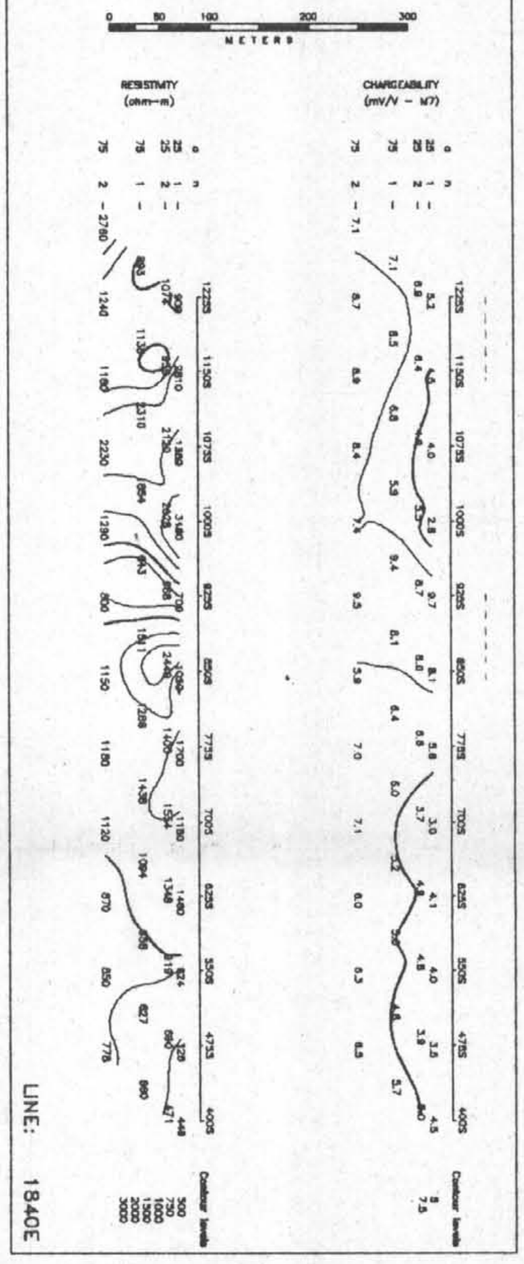
KEEWATIN ENGINEERING INC.

GJ PROPERTY, DEASE LAKE AREA, B.C.

LINE: 1840E

INDUCED POLARIZATION SURVEY
SCOTT GEOPHYSICS LTD.
90/07/25
current electrode north of potential electrodes

Pole–Dipole Array
Scintrex IPR–11
Pulse Rate: 2 sec



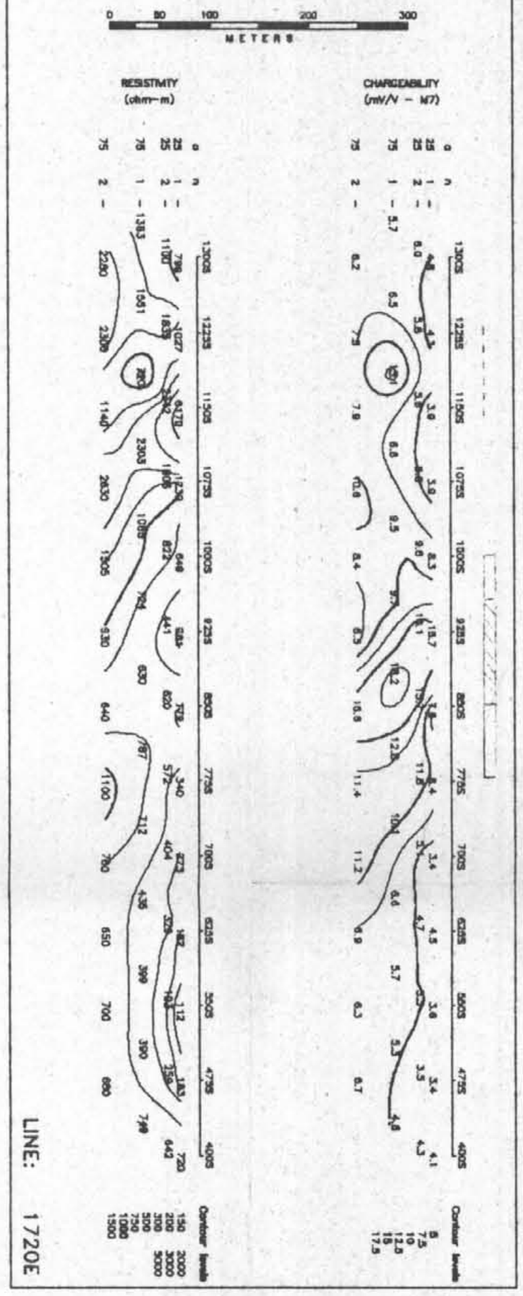
KEEWATIN ENGINEERING INC.

GJ PROPERTY, DEASE LAKE AREA, B.C.

LINE: 1720E

INDUCED POLARIZATION SURVEY
SCOTT GEOPHYSICS LTD.
90/07/27
current electrode north of potential electrodes

Pole–Dipole Array
Scintrex IPR–11
Pulse Rate: 2 sec



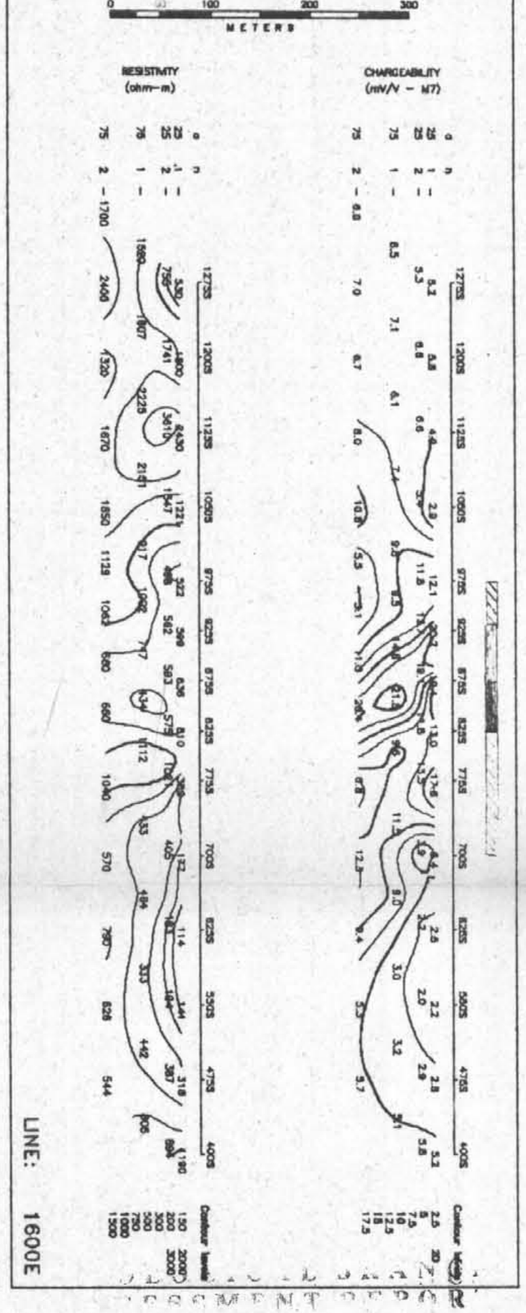
KEEWATIN ENGINEERING INC.

GJ PROPERTY, DEASE LAKE AREA, B.C.

LINE: 1600E

INDUCED POLARIZATION SURVEY
SCOTT GEOPHYSICS LTD.
90/07/25
current electrode north of potential electrodes

Pole–Dipole Array
Scintrex IPR–11
Pulse Rate: 2 sec



20,93

20,933

KEEWATIN ENGINEERING INC.

GJ PROPERTY, DEASE LAKE AREA, B.C.

LINE: 1000E

INDUCED POLARIZATION SURVEY
SCOTT GEOPHYSICS LTD.
90/07/22
current electrode north of potential electrodes

Pole-Dipole Array
Scintrex IPR-11
Pulse Rate: 2 sec

LINE: 1000E

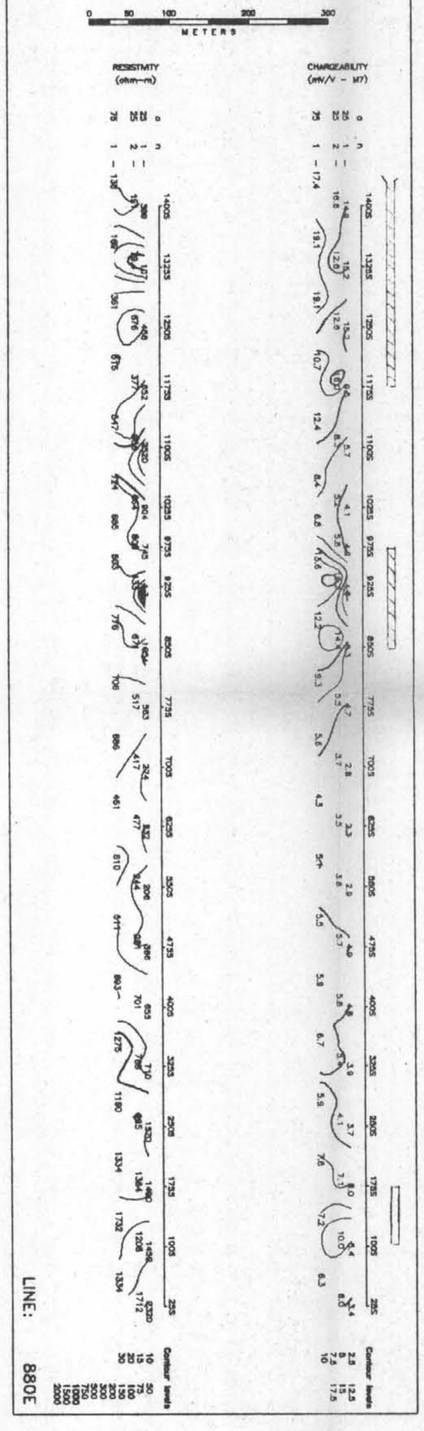
KEEWATIN ENGINEERING INC.

GJ PROPERTY, DEASE LAKE AREA, B.C.

LINE: 880E

INDUCED POLARIZATION SURVEY
SCOTT GEOPHYSICS LTD.
90/07/22
current electrode north of potential electrodes

Pole-Dipole Array
Scintrex IPR-11
Pulse Rate: 2 sec



LINE: 880E

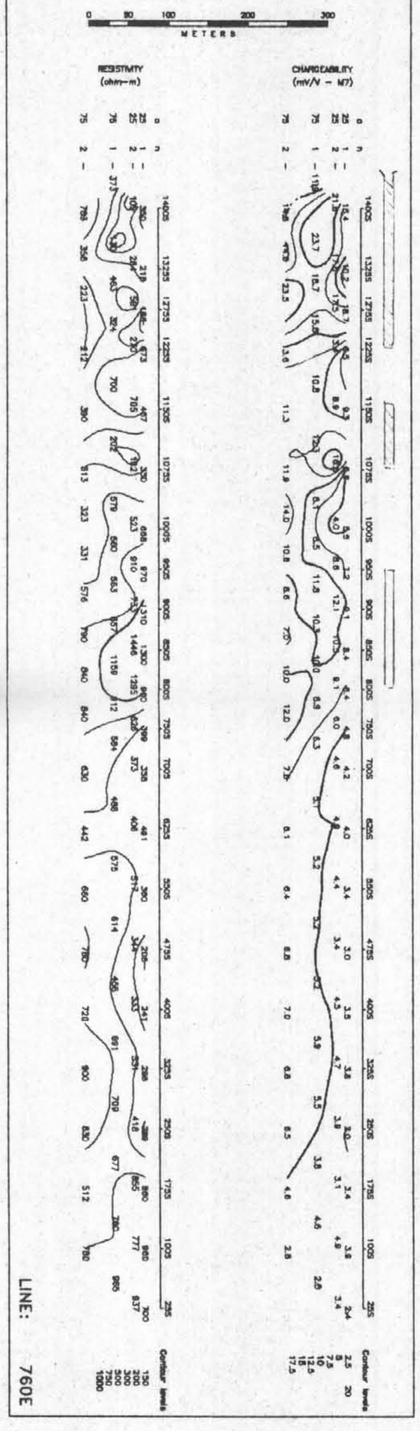
KEEWATIN ENGINEERING INC.

GJ PROPERTY, DEASE LAKE AREA, B.C.

LINE: 760E

INDUCED POLARIZATION SURVEY
SCOTT GEOPHYSICS LTD.
90/07/23
current electrode north of potential electrodes

Pole-Dipole Array
Scintrex IPR-11
Pulse Rate: 2 sec



LINE: 760E

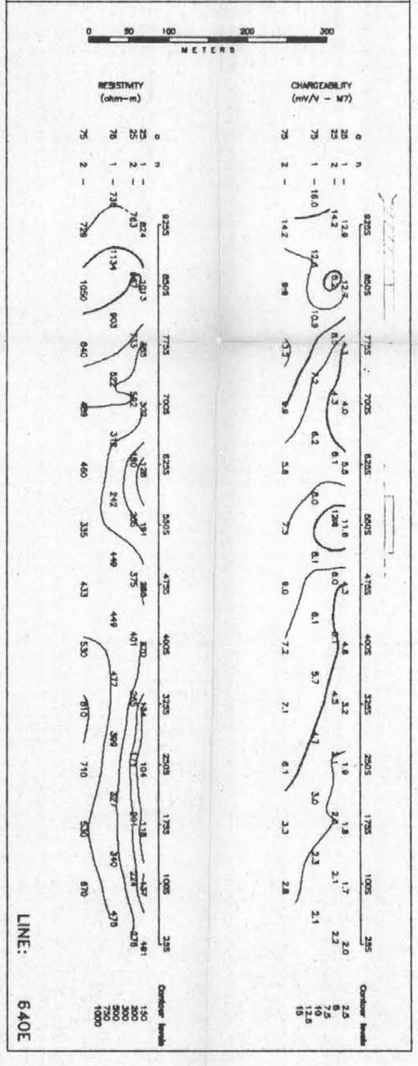
KEEWATIN ENGINEERING INC.

GJ PROPERTY, DEASE LAKE AREA, B.C.

LINE: 640E

INDUCED POLARIZATION SURVEY
SCOTT GEOPHYSICS LTD.
90/07/23
current electrode north of potential electrodes

Pole-Dipole Array
Scintrex IPR-11
Pulse Rate: 2 sec



LINE: 640E

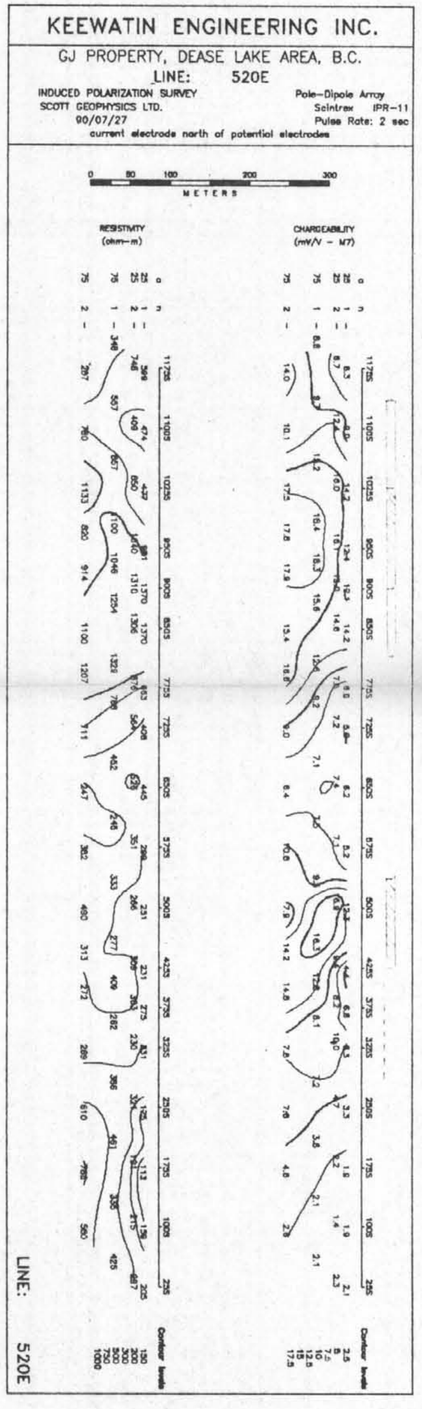
KEEWATIN ENGINEERING INC.

GJ PROPERTY, DEASE LAKE AREA, B.C.

LINE: 520E

INDUCED POLARIZATION SURVEY
SCOTT GEOPHYSICS LTD.
90/07/27
current electrode north of potential electrodes

Pole-Dipole Array
Scintrex IPR-11
Pulse Rate: 2 sec



LINE: 520E

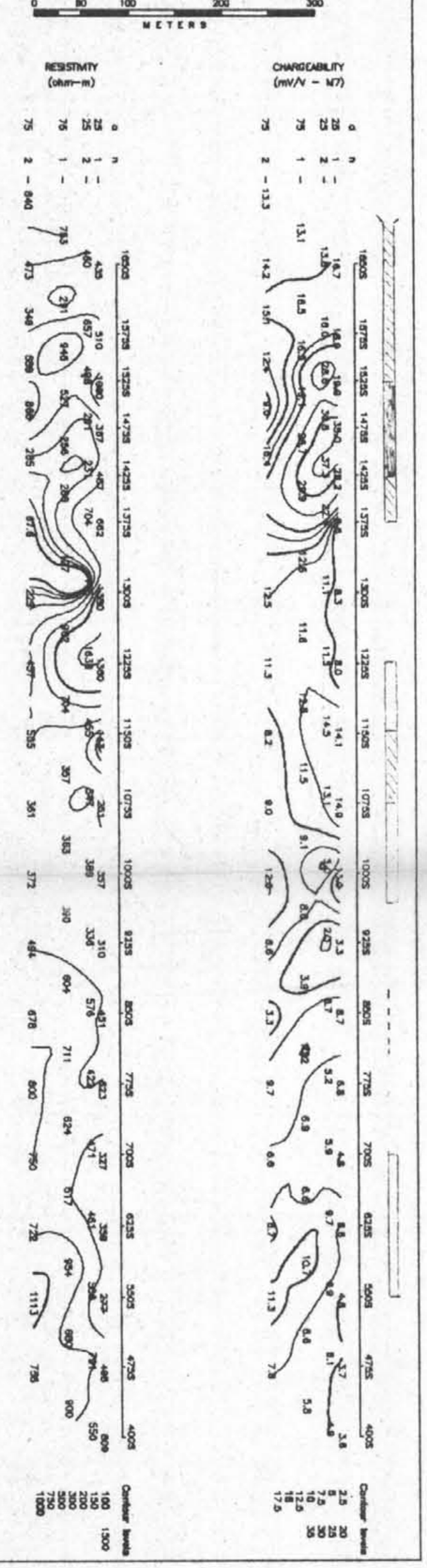
20,933

KEEWATIN ENGINEERING INC.

GJ PROPERTY, DEASE LAKE AREA, B.C.

LINE: 1120E

INDUCED POLARIZATION SURVEY
SCOTT GEOPHYSICS LTD.
90/07/24
Pole-Dipole Array
Scintrex IPR-11
Pulse Rate: 2 sec
current electrode north of potential electrodes



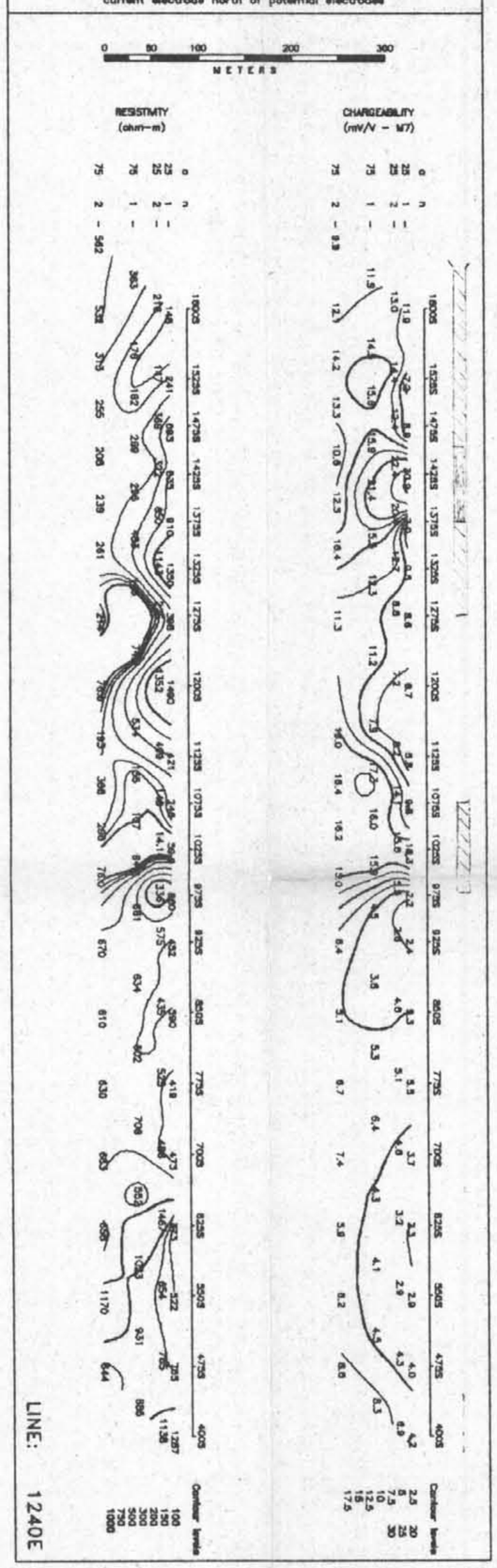
LINE: 1120E

KEEWATIN ENGINEERING INC.

GJ PROPERTY, DEASE LAKE AREA, B.C.

LINE: 1240E

INDUCED POLARIZATION SURVEY
SCOTT GEOPHYSICS LTD.
90/07/26
Pole-Dipole Array
Scintrex IPR-11
Pulse Rate: 2 sec
current electrode north of potential electrodes



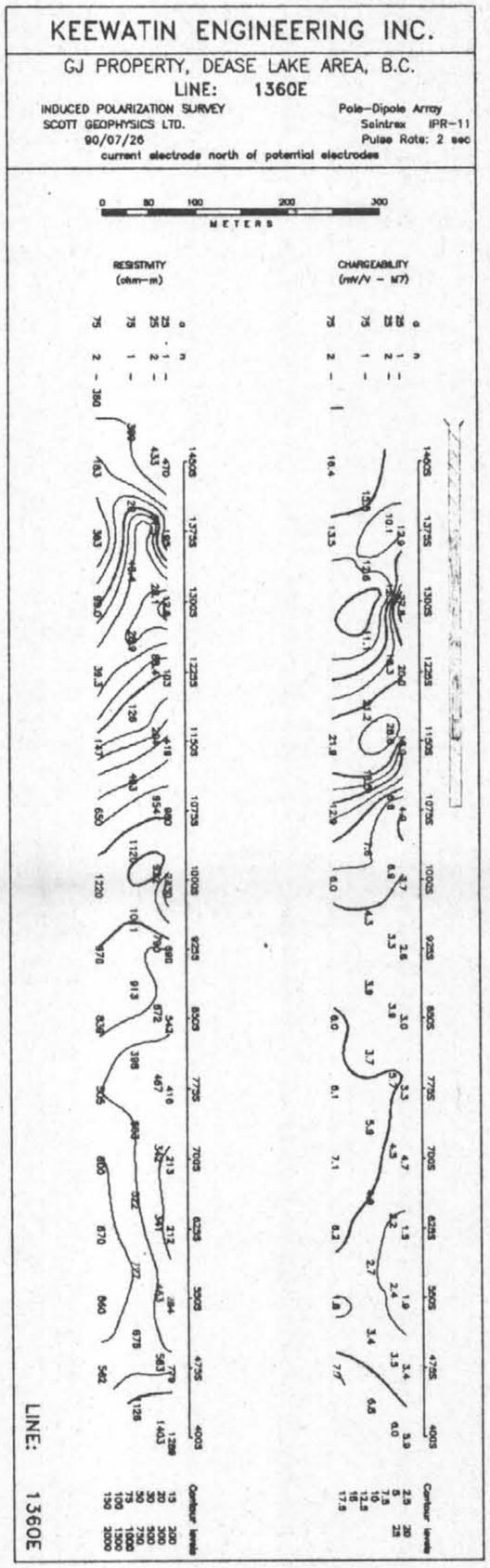
LINE: 1240E

KEEWATIN ENGINEERING INC.

GJ PROPERTY, DEASE LAKE AREA, B.C.

LINE: 1360E

INDUCED POLARIZATION SURVEY
SCOTT GEOPHYSICS LTD.
90/07/26
Pole-Dipole Array
Scintrex IPR-11
Pulse Rate: 2 sec
current electrode north of potential electrodes



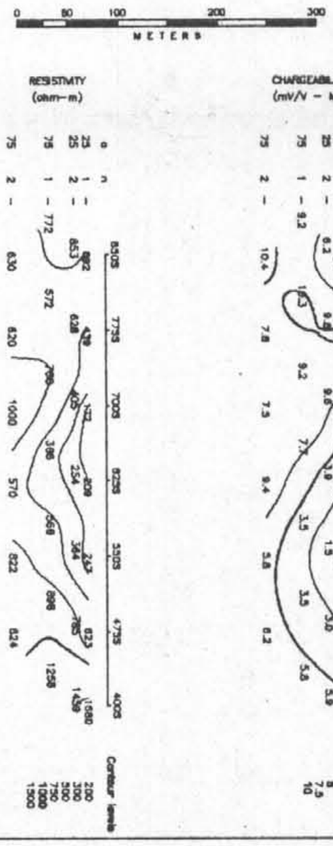
LINE: 1360E

KEEWATIN ENGINEERING INC.

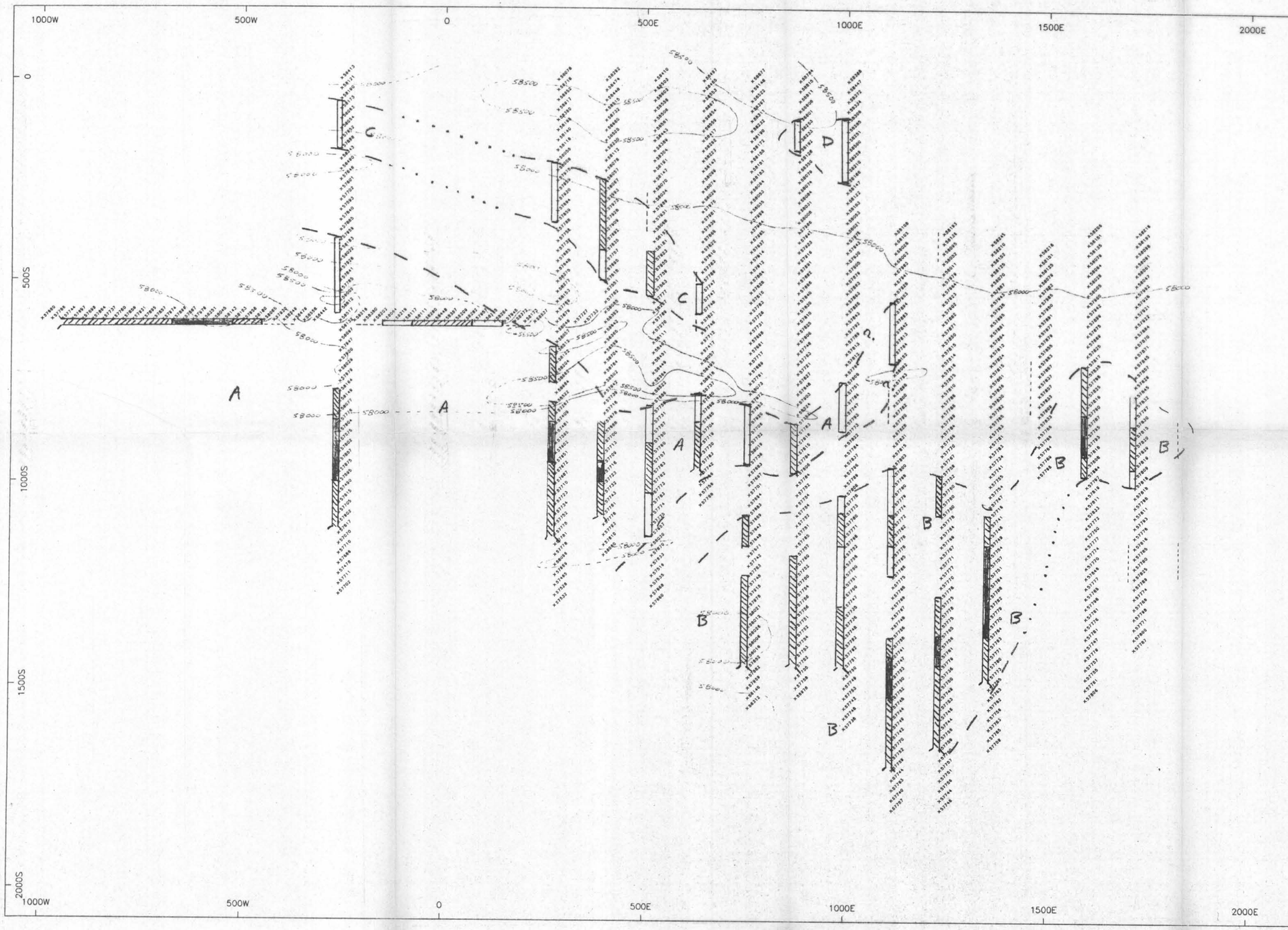
GJ PROPERTY, DEASE LAKE AREA, B.C.

LINE: 1480E

INDUCED POLARIZATION SURVEY
SCOTT GEOPHYSICS LTD.
90/07/27
Pole-Dipole Array
Scintrex IPR-11
Pulse Rate: 2 sec
current electrode north of potential electrodes



LINE: 1480E



SURVEY SPECIFICATIONS

survey	magnetometer	EDA OMNI
base	magnetometer	EDA OMNI
type		proton
posted	value	total field
units		gammas

GEOLOGICAL BRANCH

ASSESSMENT REPORT

20,933

0 100 200 300 400

METERS

KEEWATIN ENGINEERING INC.

GJ PROPERTY

DEASE LAKE AREA, B.C.

MAGNETOMETER PLAN

(gammas)

DRAWN BY: ars	DATE: Dec. 16/90
SCOTT GEOPHYSICS LTD.	MAP 12

PLAN VIEW

1400 N | 1200 N | 1000 N | 800 N | DDH-90-G11 | 600 N | 400 N | 200 N | DDH-90-G12 | 00 BASELINE | 200 S | 400 S | 600 S | 800 S | 1000 S | 1200 S | 1400 S | 1600 S | 1800 S

71-7

APPARENT CHARGEABILITY
I.P. SURVEY

CROSS SECTION VIEW

ELEVATION
(feet above sea level)

5300 | 5200 | 5100 | 5000 | 4900 | 4800 | 4700 | 4600 | 4500 | 4400 | 4300 | 4200 | 4100 | 4000 | 3900 | 3800 | 3700 | 3600

DDH-90-G11

EOH 90-11
183.49m (602 ft)

DDH-90-G12
See True Section for Geochemistry

EOH90-12
182.27m (598 ft)

True Section
DDH-90-G12

EOH 90-12
182.27m (598 ft)

71-7

1-3% Py
2% Py
1-2% Py
3% Py
5% Mag, Kf, weak QV tr Cpy, MoS_2
QV
0.27 / 0.009 / ft
0.12 / 0.010 / ft
0.10 / tr / ft
0.16 % Cu
0.007 oz / ton Au
tr Ag
0.03 % Cu
tr Au
tr Ag
0.06 % Cu
tr Au
tr Ag
5-10% Mag

EOH 71-7
245.4 m (805 ft)

71-6

3% Py
0.02 % Cu
tr Au
tr Ag
QV
QV x-cut by Q-Carb
20% QV
30% QV
50% QV
0.18 / tr / ft
0.15 / tr / ft
0.28 / tr / tr
0.25 / tr / tr
0.23 / 0.010 / tr
0.44 / 0.020 / tr
0.40 / 0.020 / tr
0.44 / 0.020 / tr
0.13 / 0.010 / tr
0.14 / 0.030 / tr
0.14 / tr / tr
0.15 / 0.010 / tr
0.54 / 0.020 / tr
0.50 / 0.020 / tr
0.34 / 0.020 / tr
0.29 / 0.010 / tr
0.28 / 0.010 / tr
0.19 / 0.010 / tr
0.16 / tr / tr
0.29 / tr / tr
0.20 / tr / tr
0.15 / 0.010 / tr
0.11 / 0.010 / tr
0.19 / 0.010 / tr
0.15 / tr / tr
0.22 / 0.010 / tr
0.22 / 0.010 / tr
0.42 / 0.020 / tr
0.19 / 0.030 / tr
0.15 / 0.010 / tr
0.20 / tr / tr
0.14 / 0.010 / 0.10
0.31 / 0.020 / tr
0.26 / 0.020 / 0.30
0.13 / tr / 0.10
0.09 / tr / tr
0.17 / tr / tr
0.23 / tr / tr
0.15 / tr / tr
0.17 / tr / tr
0.10 / tr / tr
0.10 / 0.040 / tr
0.10 / 0.020 / tr
0.10 / tr / tr
0.09 / tr / tr
0.09 / tr / tr
0.13 / 0.020 / tr
0.25 / 0.010 / tr
0.20 / 0.010 / tr
0.25 / 0.010 / tr
0.11 / 0.020 / tr
0.21 % Cu
0.009 oz / ton Au
tr Ag
(0.39 % Cu EQUIVALENT
over 154.8 metres or 508 ft)
0.25 % Cu
0.010 oz / ton Au
tr Ag
(0.45 % Cu EQUIVALENT
over 97.5 m or 320 ft)
QV
QV
Kf
QV
Kf
3% Py
15 % Mag
Kf
5% Py
0.10 % Cu
0.005 oz / ton Au
tr Ag

EOH 71-6
292.9 m (961 ft)

1000 N | 500 N | 00 | 500 S | 1000 S | 1500 S

0 50 100 m
0 100 200 300 ft

GEOLOGICAL BRANCH
ASSESSMENT REPORT
20,933

GEOLOGY LEGEND

UPPER TRIASSIC

- Fine grained quartz latite
- Porphyritic monzonite to latite: pink-brown
- Porphyritic monzonite: 15-20% altered plagioclase phenocrysts
- Quartz diorite
- Diorite: medium to fine grained

UPPER PALEOZOIC TO UPPER TRIASSIC

- Quartzite
- Chert
- Sandstone
- Siliceous wacke to pebble conglomerate
- Siltstone: variably siliceous, light green to grey green

- fault/shear zone
- bedding
- quartz vein
- xxx brecciation
- assumed geological contact

Py	= pyrite	QV	= quartz vein
Cpy	= chalcopyrite	Kf	= K-feldpsar
Mag	= magnetite	Ca	= carbonate
MoS_2	= molybdenite	tr	= trace
Au	= gold	C	= carbonaceous
Ag	= silver		
Cu	= copper		

Note: Geology interpreted by DTM from existing drill logs by AMOCO (1970-71) and CANOREX MINERALS LTD (1981).

Note: Topographic profile taken from blow-up of 1:50,000 government topographic map.
Drill hole locations from old reports and maps.

LEGEND

GEOCHEMISTRY: 0.42 0.020 0.10
(Pre 1990) % Cu oz/ton Au oz/ton Ag
(1990) ppm Cu/ppb Au/ppm Ag

GEOPHYSICS (IP SURVEY): APPARENT CHARGEABILITY
plotted n=2 , a=100 ft
- ——— < 20 milliseconds
- ——— > 20 milliseconds
- ——— > 30 milliseconds

DRILL HOLES: mineralized section in plan view projected vertically

MINERALIZED ZONE: —···—

ASCOT RESOURCES LTD.

GJ PROPERTY
KINASKAN LAKE

CROSS SECTION 4E

DATE: January 29, 1991	NTS: 104G/9
PROJECT: GJ	DRAWN BY: D. Mehner
SCALE: 1:1000	
Keewatin Engineering Inc.	MAP No. 13

PLAN VIEW

1400 N | 1200 N | 1000 N | 800 N | 600 N | 400 N | 200 N | 00 BASELINE | 200 S | 400 S | 600 S | 800 S | 71-13 | 1000 S | 1200 S | 1400 S | 1600 S | 1800 S

DDH-90-G02

DDH-90-G01

DDH-90-G03

APPARENT CHARGEABILITY
I.P. SURVEY

CROSS SECTION VIEW

ELEVATION
(feet above sea level)

5300 | 5200 | 5100 | 5000 | 4900 | 4800 | 4700 | 4600 | 4500 | 4400 | 4300 | 4200 | 4100 | 4000 | 3900 | 3800 | 3700 | 3600

Groat Creek

DDH-90-G02

EOH 181.05m
(594 ft)

DDH-90-G01

EOH 178.92m
(587 ft)

71-13

DDH-90-G03

EOH 188.67m
(619 ft)

EOH 211.2 m
(693 ft)

1000 N | 500 N | 00 | 500 S | 1000 S | 1500 S

0 50 100 m
0 100 200 300 ft

GEOLOGY LEGEND

UPPER TRIASSIC

- Fine grained quartz latite
- Porphyritic monzonite to latite; pink-brown
- Porphyritic monzodiorite; 15 - 20 % altered plagioclase phenocrysts
- Quartz diorite
- Diorite; medium to fine grained

UPPER PALEOZOIC TO UPPER TRIASSIC

- Quartzite
- Chert
- Siliceous wacke to pebble conglomerate
- Siliceous siltstone; light green to grey green

- fault / shear zone
- bedding
- quartz vein
- xxxx brecciation
- assumed geological contact

Py = pyrite
Cpy = chalcopyrite
Mag = magnetite
MoS_2 = molybdenite
Au = gold
Ag = silver
Cu = copper

QV = quartz vein
Kf = K-feldspar
Ca = carbonate
tr = trace

NOTE: Geology interpreted by DTM from existing drill logs by AMOCO 1970-71 and CANOREX MINERALS LTD 1988

Note: Topographic profile taken from blow-up of 1:50,000 government topographic map.
Drill hole locations from old reports and maps.

LEGEND

GEOCHEMISTRY: 0.42 % Cu | 0.020 oz/ton Au | 0.10 oz/ton Ag

GEOPHYSICS: (IP SURVEY) — APPARENT CHARGEABILITY plotted n = 2 , a = 100 ft
- ——— < 20 milliseconds
- ——— > 20 milliseconds
- ——— > 30 milliseconds

DRILL HOLES: mineralized section in plan view projected vertically

MINERALIZED ZONE: —·—·—

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,933

ASCOT RESOURCES LTD.

GJ PROPERTY
KINASKAN LAKE

CROSS SECTION 16E

DATE: January 29, 1991	NTS: 104G/9
PROJECT: GJ	DRAWN BY: D. Mehner
SCALE: 1:1000	
Keewatin Engineering Inc.	MAP No. 14

PLAN VIEW

1400 N | 1200 N | 1000 N | 800 N | 600 N | 400 N | 200 N | 00 BASELINE | 200 S | 400 S | 600 S | 800 S | 1000 S | 1200 S | 1400 S | 1600 S | 1800 S

DDH-90-G05

DDH-90-G04

66 ppm Cu 6 ppb Au	53 ppm Cu 4 ppb Au	46 ppm Cu 8 ppb Au	58 ppm Cu 8 ppb Au	43 ppm Cu 6 ppb Au	128 ppm Cu 16 ppb Au	61 ppm Cu 6 ppb Au	138 ppm Cu 90 ppb Au	183 ppm Cu 45 ppb Au	836 ppm Cu > 1000 ppb Au	538 ppm Cu 205 ppb Au	344 ppm Cu 70 ppb Au	⟸ WACKER DRILLING RESULTS

81-4

APPARENT CHARGEABILITY
I.P. SURVEY

CROSS SECTION VIEW

ELEVATION
(feet above sea level)

5300 | 5200 | 5100 | 5000 | 4900 | 4800 | 4700 | 4600 | 4500 | 4400 | 4300 | 4200 | 4100 | 4000 | 3900 | 3800 | 3700 | 3600

81-4

tr diss Py

tr Py
wk Mag

(0.07 % Cu
tr Au
tr Ag

DDH-90-G04

DDH-90-G05

EOH 251.5 m
(825 ft)

EOH 195.99 m
(643 ft)

EOH 182.58m
(599 ft)

1000 N | 500 N | 00 | 500 S | 1000 S | 1500 S

0 50 100 m
0 100 200 300 ft

GEOLOGY LEGEND

UPPER TRIASSIC
- Fine grained quartz latite
- Porphyritic monzonite to latite: pink-brown
- Porphyritic monzodiorite; 15 - 20 % altered plagioclase phenocrysts
- Quartz diorite
- Diorite: medium to fine grained

UPPER PALEOZOIC TO UPPER TRIASSIC
- Quartzite
- Chert
- Siliceous wacke to pebble conglomerate
- Siliceous siltstone; light green to grey green

- fault / shear zone
- bedding
- quartz vein
- xxxx brecciation
- assumed geological contact

Py = pyrite
Cpy = chalcopyrite
Mag = magnetite
MoS_2 = molybdenite
Au = gold
Ag = silver
Cu = copper

QV = quartz vein
Kf = K-feldspar
Ca = carbonate
tr = trace
C = carbonaceous

NOTE: Geology interpreted by DTM from existing drill logs by AMOCO 1970-71 and CANOREX MINERALS LTD 1988

Note: Topographic profile taken from blow-up of 1:50,000 government topographic map.
Drill hole locations from old reports and maps.

LEGEND

GEOCHEMISTRY: 0.42 % Cu | 0.020 oz/ton Au | 0.10 oz/ton Ag

GEOPHYSICS: (IP SURVEY) — APPARENT CHARGEABILITY plotted n=2, a=100 ft
- (20 milliseconds
-) 20 milliseconds
-) 30 milliseconds

DRILL HOLES: mineralized section in plan view projected vertically

MINERALIZED ZONE:

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,933

ASCOT RESOURCES LTD.

GJ PROPERTY
KINASKAN LAKE

CROSS SECTION 34 E

DATE: January 29, 1991	NTS: 104G/9
PROJECT: GJ	DRAWN BY: D. Mehner
SCALE: 1:1000	
Keewatin Engineering Inc.	MAP No. 15

PLAN VIEW

1400 N | 1200 N | 1000 N | 800 N | 600 N | 400 N | 200 N | 00 BASELINE | 200 S | 400 S | 600 S | 800 S | 1000 S | 1200 S | 1400 S | 1600 S | 1800 S

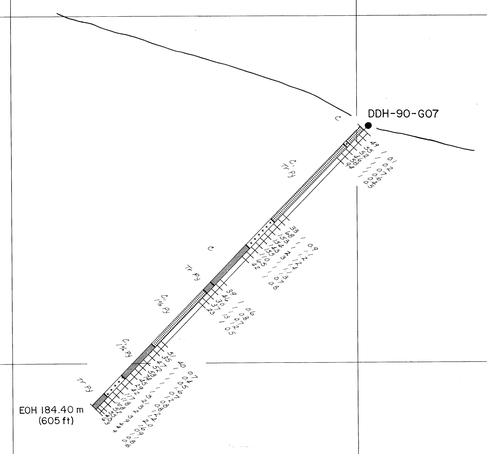
DDH-90-G07

APPARENT CHARGEABILITY
I.P. SURVEY

CROSS SECTION VIEW

ELEVATION
(feet above sea level)

5300 | 5200 | 5100 | 5000 | 4900 | 4800 | 4700 | 4600 | 4500 | 4400 | 4300 | 4200 | 4100 | 4000 | 3900 | 3800 | 3700 | 3600



1000 S | 500 S

0 50 100 m
0 100 200 300 ft

GEOLOGICAL BRANCH
ASSESSMENT REPORT
20,933

1000 N | 500 N | 00 | 500 S

GEOLOGY LEGEND

UPPER TRIASSIC

- Fine grained quartz latite
- Porphyritic monzonite to latite: pink-brown
- Porphyritic monzonite: 15-20% altered plagioclase phenocrysts
- Quartz diorite
- Diorite: medium to fine grained

UPPER PALEOZOIC TO UPPER TRIASSIC

- Quartzite
- Chert
- Sandstone
- Siliceous wacke to pebble conglomerate
- Siltstone: variably siliceous, light green to grey green

- fault/shear zone
- bedding
- quartz vein
- xxx brecciation
- assumed geological contact

Py	=	pyrite	QV	=	quartz vein
Cpy	=	chalcopyrite	Kf	=	K-feldpsar
Mag	=	magnetite	Ca	=	carbonate
MoS_2	=	molybdenite	tr	=	trace
Au	=	gold	C	=	carbonaceous
Ag	=	silver			
Cu	=	copper			

Note: Geology interpreted by DTM from existing drill logs by AMOCO (1970-71) and CANOREX MINERALS LTD (1981).

Note: Topographic profile taken from blow-up of 1:50,000 government topographic map.
Drill hole locations from old reports and maps.

LEGEND

GEOCHEMISTRY: 0.42 0.020 0.10
(Pre 1990) % Cu oz/ton Au oz/ton Ag
(1990) ppm Cu/ppb Au/ppm Ag

GEOPHYSICS: APPARENT CHARGEABILITY
(IP SURVEY) plotted n = 2 , a = 100 ft

- < 20 milliseconds
- ≥ 20 milliseconds
- ≥ 30 milliseconds

DRILL HOLES: mineralized section in plan view projected vertically

MINERALIZED ZONE:

ASCOT RESOURCES LTD.	
GJ PROPERTY KINASKAN LAKE	
CROSS SECTION 1120E I.P. GRID	
DATE: January 29, 1991	NTS: 104G/9
PROJECT: GJ	DRAWN BY: D. Mehner
SCALE: 1:1000	
Keewatin Engineering Inc.	MAP No. 16

PLAN VIEW

1400 N | 1200 N | 1000 N | 800 N | 600 N | 400 N | 200 N | 00 BASELINE | 200 S | 400 S | 600 S | 800 S | 1000 S | 1200 S | 1400 S | 1600 S | 1800 S

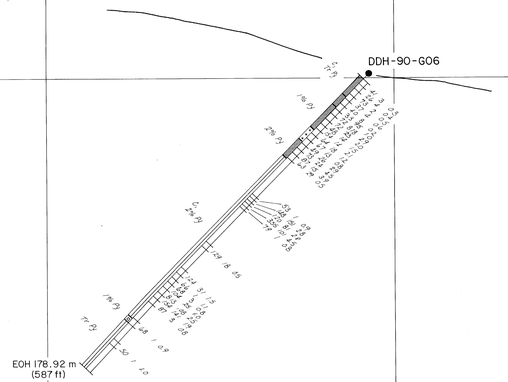
DDH-90-G06

APPARENT CHARGEABILITY
I.P. SURVEY

CROSS SECTION VIEW

ELEVATION
(feet above sea level)

5300 | 5200 | 5100 | 5000 | 4900 | 4800 | 4700 | 4600 | 4500 | 4400 | 4300 | 4200 | 4100 | 4000 | 3900 | 3800 | 3700 | 3600



1000 N | 500 N | 00 | 500 S | 1000 S | 1500 S

GEOLOGY LEGEND

UPPER TRIASSIC

- Fine grained quartz latite
- Porphyritic monzonite to latite: pink-brown
- Porphyritic monzonite: 15-20% altered plagioclase phenocrysts
- Quartz diorite
- Diorite: medium to fine grained

UPPER PALEOZOIC TO UPPER TRIASSIC

- Quartzite
- Chert
- Sandstone
- Siliceous wacke to pebble conglomerate
- Siltstone: variably siliceous, light green to grey green

- fault/shear zone
- bedding
- quartz vein
- xxx brecciation
- assumed geological contact

Py	=	pyrite	QV	=	quartz vein
Cpy	=	chalcopyrite	Kf	=	K-feldpsar
Mag	=	magnetite	Ca	=	carbonate
MoS_2	=	molybdenite	tr	=	trace
Au	=	gold	C	=	carbonaceous
Ag	=	silver			
Cu	=	copper			

Note: Geology interpreted by DTM from existing drill logs by AMOCO (1970-71) and CANOREX MINERALS LTD (1981).

Note: Topographic profile taken from blow-up of 1:50,000 government topographic map.
Drill hole locations from old reports and maps.

LEGEND

GEOCHEMISTRY: 0.42 / 0.020 / 0.10
(Pre 1990) % Cu / oz/ton Au / oz/ton Ag
(1990) ppm Cu/ppb Au / ppm Ag

GEOPHYSICS: (IP SURVEY) APPARENT CHARGEABILITY
plotted n = 2 , a = 100 ft
- ——— < 20 milliseconds
- ——— > 20 milliseconds
- ——— > 30 milliseconds

DRILL HOLES: mineralized section in plan view projected vertically

MINERALIZED ZONE: —···—

ELEVATION
(feet above sea level)

5300 | 5200 | 5100 | 5000 | 4900 | 4800 | 4700 | 4600 | 4500 | 4400 | 4300 | 4200 | 4100 | 4000

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,933

0 50 100 m

0 100 200 300 ft

ASCOT RESOURCES LTD.

GJ PROPERTY
KINASKAN LAKE

CROSS SECTION 1160E
I.P. GRID

DATE: January 29, 1991	NTS: 104G/9
PROJECT: GJ	DRAWN BY: D. Mehner
SCALE: 1:1000	
Keewatin Engineering Inc.	MAP No. 17