DRILLING REPORT

ON THE

GJ & SPIKE 1 AND 2 CLAIMS
LIARD MINING DIVISION
BRITISH COLUMBIA
NTS 104 G/9E
57°38'40" N Long., 130°14' W Lat

for

OWNER:

DIMAC RESOURCE CORP.

701 - 744 West Hastings Street
Vancouver, British Columbia
V6C 1A5

by

9773

OPERATOR:

CANOREX MINERALS, LTD.

#510 - 840 - 6 Ave. S.W.
Calgary, Alberta
T2P 3E5

Submitted October 28,1981

M. D. McINNIS, P. GEOL

TABLE OF CONTENTS

Illustrations:

Fig. 1 Location Map

Fig. 2 Claim Map

Maps:

Map 1 Drill Hole Location Plan and Ground Magnetometer Survey

Map 2 Drill Hole Location Plan (Expanded Scale)

Section Maps:

Section 2 + 00E

Section 6 + 00E

Section 10 + 00E

Section 12 + 00E

Section 16 + 00E

Section 18 + 00E

Section 22 + 00E

Section 24 + 00E

Section 26 + 00E

Section 33 + 00E

1.0 SUMMARY OF ASSESSMENT REQUEST

During the period July 15, 1981 and September 30, 1981 a total of $268,000 was expended on the GJ and Spike 1 and 2 claims. The GJ claim consists of 10 units and the Spike 1 and 2 claims comprise 18 and 10 units respectively. It is requested that the GJ, Spike 1 and 2 claims be grouped as a 40 unit group and that the 1981 exploration expenditure be applied as assessment credit as follows:

CLAIM NAME	PRESENT DUE DATE	NO. OF UNITS	YEARS APPLIED PER UNIT	$ REQUIRED PER UNIT	ASSESSMENT APPLIED	NEW DUE DATE
GJ	Oct 29/84	12	7 Years	$200/unit/year	$16,800	Oct 29/91
SPIKE 1	Nov 25/82	18	9 Years	$200/unit/year	$32,600	Nov 25/91
SPIKE 2	Nov 25/82	10	9 Years	$200/unit/year	$18,000	Nov 25/91
		40			$67,400	

Total 1981 Exploration Expenditure - $268,000
Less Expenditures Applied for Assessment - $67,400
Remainder Transferred to PAC Account - $200,600

2.0 INTRODUCTION

2.1 LOCATION AND ACCESS

The GJ claim lies within the general Stikine region of northwestern British Columbia in the Liard Mining Division (see Fig. 1) The property is located on the western edge of the Kinaskan Lake map sheet (NTS 104 G9E) at 57°38'40" north latitude and 130°14' west longitude.

The nearest road is the Stewart-Cassiar highway which is routed along the eastern side of Kinaskan Lake. Watson Lake is about 250 miles to the north along the highway while tidewater at Stewart is approximately 65 miles to the south. The proposed B.C. Rail extension to Dease Lake is situated about 20 miles east of the GJ property.

The physiography of the area contained within the claims is essentially a gently undulating plateau surface between elevations of 5,000 and 5,500 feet. Most of the claims area is above treeline and typical alpine flora is abundant on the plateau surface. Groat Creek, which has its headwaters within the GJ claim, has deeply dissected the plateau and offers reasonably good rock exposure. Virtually no rock is exposed on the plateau surface.

Access to the property is normally by helicopter from Tatogga Lake, a distance of 12 miles to the northeast.

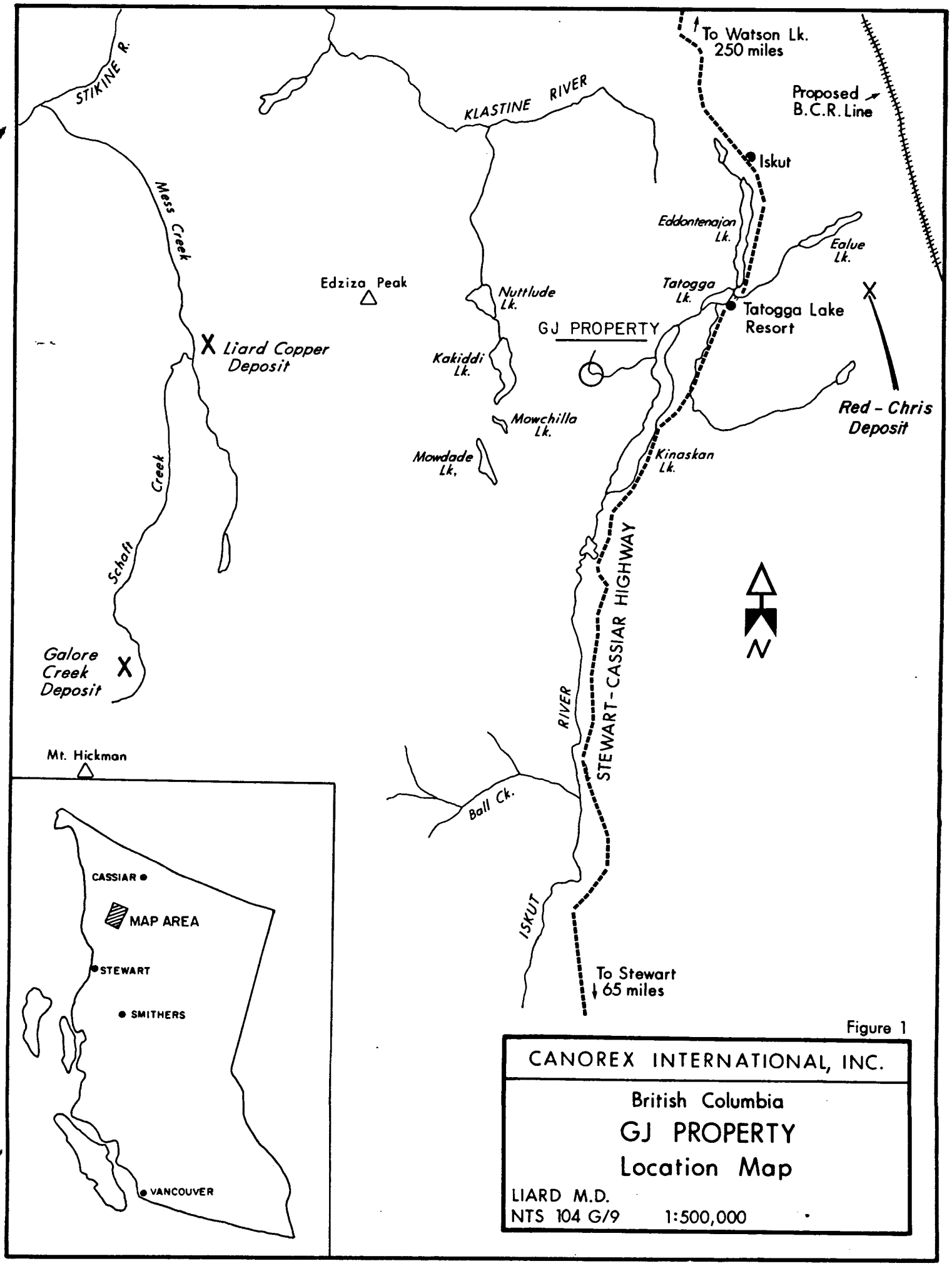

Figure 1

CANOREX INTERNATIONAL, INC.

British Columbia

GJ PROPERTY

Location Map

LIARD M.D.
NTS 104 G/9 1:500,000

2.2 PROPERTY DESCRIPTION

The GJ claim was staked on October 14, 1975 and consists of four unit lengths east-west and three unit lengths north-south for a total of twelve units (see Fig. 2). On November 11, 1976, the Spike 1 and Spike 2 claims were staked. The Spike 1 claim consists of eighteen units, three north-south and six east-west, and is contiguous with the southern GJ claim boundary. The Spike 2 claim consists of ten units, five north-south and two east-west, and is contiguous with the eastern GJ boundary.

The property is owned by Dimac Resource Corp. of Vancouver and is the subject of an agreement between Dimac and Canorex Minerals, Ltd. of Calgary whereby Canorex can earn an interest in the property by incurring certain exploration expenditures on the project. The 1981 drilling program was funded and operated by Canorex.

It is postulated that the GJ property has good potential to host copper-gold-silver stockwork mineralization of substantial size.

2.3 PREVIOUS EXPLORATION

The previous exploration carried out on the GJ Property is summarized below:

Year	Company	Exploration Work
1964	Conwest	1. Preliminary mapping of creek exposures 2. Random soil and silt sampling
1965	Conwest	1. Magnetometer Survey - 6,000' 2. I.P. Survey - 5,000'

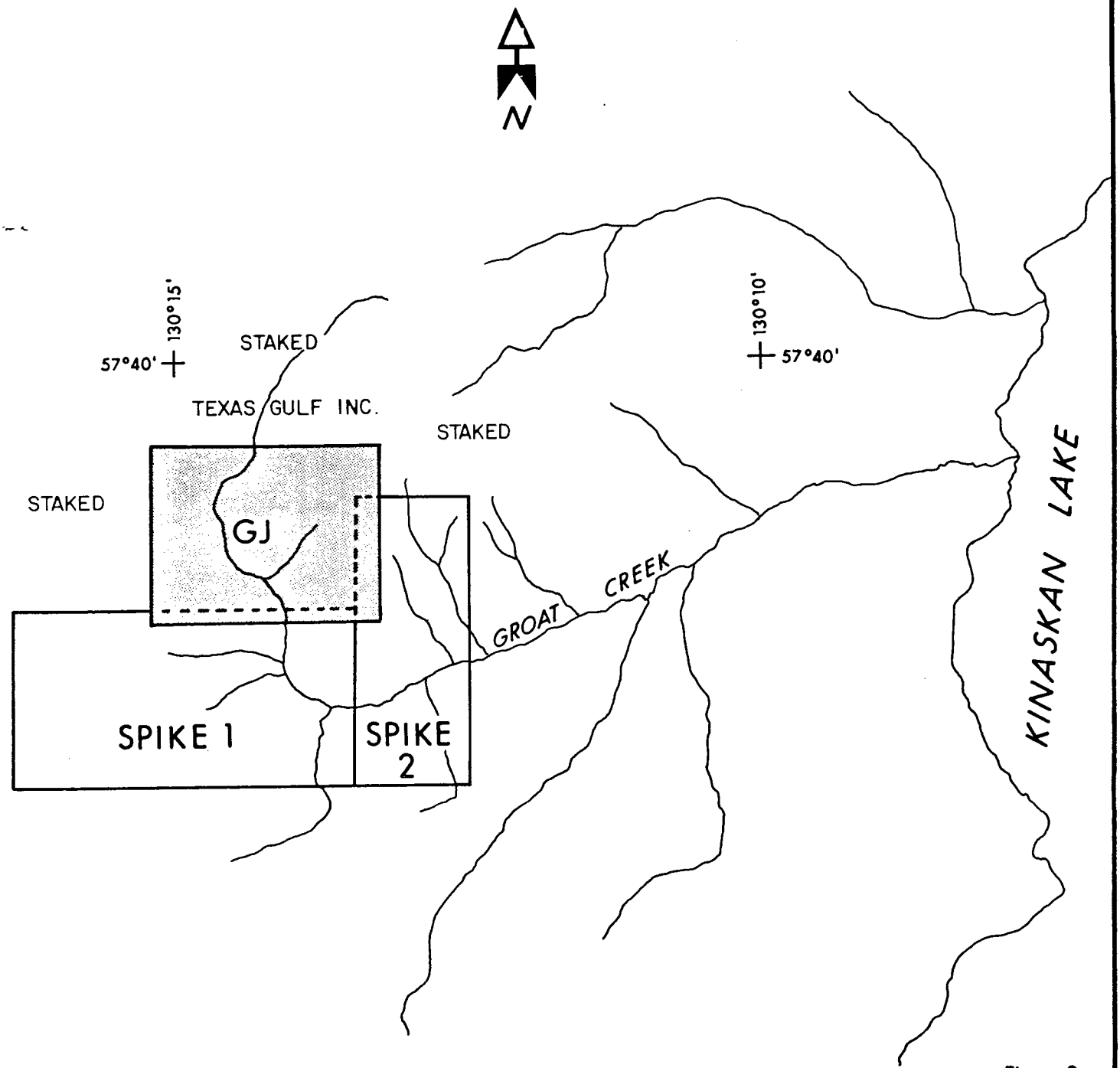

Figure 2

DIMAC RESOURCE CORP.

CLAIM LOCATION MAP

1:50,000

Year	Company	Exploration Work
1970	Amoco	1. Mapping 2. I.P. and Magnetometer surveys 3. Soil sampling around showing 4. Diamond drilling - 5 holes totalling 1,520m.
1971	Amoco	1. Mapping 2. Diamond drilling - 14 holes totalling 2,465m.
1976	Norcen Energy (formerly Great Plains Development Ltd.)	1. Grid establishment 2. Mapping, soil sampling and magnetometer surveying over entire grid 3. Relogging of Amoco core
1977	Norcen Energy	1. Deep overburden geochemical sampling 2. I.P. surveying over entire grid 3. Trenching

2.4 1981 Program Summary

The 1981 program was essentially a diamond drilling program designed to test for extensions of mineralization eastward from the known showings in Groat Creek. A total of 1779.4 meters (5838') was bored in seven holes.

3.0 GEOLOGY

3.1 Regional Geology

The GJ and Spike claims are situated on the southwest portion of the Klastline Plateau which lies on the northeast half of the Stikine Arch. As described by Souther (1971), the Arch is a northeasterly trending lobe of crystalline and metamorphic rocks that remained relatively positive throughout much of Mesozoic time. On the west and southwest the Arch is bounded by the Coast Crystalline geanticline; on the southeast by the Upper Jurassic Bowser Basin, a successor basin which continued to receive sediments while the surrounding area became emergent; and to the north and northeast by the Atlin Terrane, an allochthonous sheet which was thrust to the southwest.

The northern half of the Klastline Plateau has been mapped primarily as volcanics and derived volcaniclastics of Upper Triassic age by the G.S.C. (Souther, 1971). 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, the G.S.C. mapped the rocks as a downthrown sequence of Middle Jurassic pillow lavas, fragmentals and proximal volcaniclastic rocks. However, age determinations of the intrusive rocks of this area (Schmitt, 1977), gives an age of 185-195 million years (Upper Triassic-Lower Jurassic) suggesting that the age of the intruded volcanics and sediments must be older.

3.2 Local Geology

The local geological interpretation is based essentially on Amoco's drill holes, outcroppings in the creek bottom and sidewalls and on a few trenches on the plateau surface.

In a general sense, the property is underlain by a sequence of Mid to Upper Triassic andesitic volcanic and associated sedimentary rocks which have been intruded by a diorite intrusion. The oldest rocks on the property are a series of andesitic flows, waterlain tuffs and agglomerates. These are in turn overlain (or intercalated) with proximal volcanosedimentary arkoses, siltstones and minor shales. Overlying these rocks perhaps unconformably, is a buff to light grey chert of radiolarian origin (Schmitt, 1977). The entire volcanic-sedimentary package is interpreted to be characteristic of volcanism in an island arc setting.

Intruded into the volcanic-sedimentary sequence is an Upper Triassic to Lower Jurassic diorite pluton. The intrusive forms a narrow elongate body which outcrops along an east-southeast trend across the property. From field evidence it is unclear whether the intrusive is a stock or a sill. Associated with, but younger than, the diorite are a diorite porphyry which forms dykes and sills and a quartz monzonite which also forms dyke-like bodies.

Alteration and metasomatism associated with the intrusion have caused the formation of several mappable units which are not, strictly speaking, lithological units. A quartzite which outcrops as a band across the northern part of the property is considered to be a contact metamorphic expression of the chert near the intrusive contact which has been remobilized and recrystallized into a coarser-grained rock. Cherty volcanics and sediments along the southern intrusive-volcanic contact are felt to have been created by secondary silicification accompanying the intrusion. A siliceous fine-grained rock resembling a rhyolite is interpreted to be highly altered volcanics and sediments immediately adjacent to the intrusive contact.

The overall attitude of the volcanics, sediments and cherty rocks is considered to be striking northeasterly and dipping vertically to 45^{o} west. Locally considerable variation is noted, particularly near the intrusive. Well bedded units such as the chert, cherty volcanics and sediments often display extensive folding with fold axes plunging in a northwesterly direction. Considerable block faulting has effectively dissected the area and abundant dislocations are evident.

4.0 MINERALIZATION

4.1 Mineralogy

Mineralization is best developed in a series of five holes which Amoco drilled from the bottom of Groat Crrek. The holes, one vertical and one to each major point of the compass, are referred to as the starburst holes.

Within the starburst holes, chalcopyrite mineralization is concentrated in a zone of quartz stockwork veining associated with intense fracturing. Assays from the cored sections reveal a maximum grade of 2.16% copper over 10 feet; however, several other sections carry copper grades in excess of 1% over 10 foot intervals. More commonly though, copper grades range from .2 to .7 over intervals of 200 to 300 feet within the stockwork zone.

Gold and silver are present where copper grades are higher. Gold values range from .02 to .07 ounces per ton in the approximate ratio of 0.01 ounce per ton gold to 0.20% copper. Silver appears to range between .1 to .4 ounces per ton but several ten foot intervals assayed in excess of 1.0 ounce per ton and one ten foot section carried 2.5 ounces per ton.

Elsewhere on the property, several small occurrences of chalcopyrite and malachite have been noted. Interesting outcrops exhibiting stockworking and minor copper mineralization were found in trenches on the plateau. These two trenches are over 2,000 feet east of the starburst holes and returned assays of .13% copper over 12 feet and .17 % copper over 8 feet.

4.2 Alteration

Extensive alteration of variable intensities has accompanied the mineralizing and intrusive event. Potassic alteration has been observed in the starburst holes and in a trench 2,000 feet east of the holes. The alteration appears to consist of slight to moderate flooding of potassium feldspar and often the development of fine-grained secondary biotite. Occassionally the potassic alteration forms a thin envelope to the quartz veins.

Much of the starburst cores and the outcrops adjacent to the holes exhibits widespread sericitic alteration and silicification. Sericite, chlorite and calcite are the main alteration minerals with sericite and chlorite commonly occurring on fracture surfaces. Silicification of the country rock, due to the remobilization of silicate minerals by the heat of the intrusive, has formed cherty rocks.

Magnetite is common in the diorite porphyry and in the southern part of the diorite. It may represent a secondary enrichment associated with the pervasive potassic alteration near the showing.

4.3 Ore Controls

The copper-gold mineralization appears to be related to or controlled by several features:

1. It occurs in a zone of quartz-stockwork veining and where the frequency of veining is higher, the grade is correspondingly higher.

2. The most prominent trend of mineralized quartz veins is 070 degrees which approximates the general trend of the intrusive-country rock contact.

3. The stockwork occurs at the intrusive-country rock contact and is not lithologically selective. Good copper-gold mineralization occurs in altered volcanics, diorite, diorite porphyry, quartz monzonite and quartzite.

4. Mineralization is confined to the upper parts of the starburst holes. It appears that mineralization is cut off at depth by a number of east-west trending block faults.

5. Mineralization is associated with sericitic and potassic alteration and possibly with the development of magnetite.

5.0 1981 Drilling Program

To fulfill the terms of an agreement with the property owners, Canorex Minerals, Ltd. of Calgary, Alberta funded and operated the 1981 drilling program under the overall supervision of M.D. McInnis. R. Durfeld of Durfeld Geological Management of Williams Lake, B.C. was retained as the on-site management. The drilling contract was let to E. Caron Diamond Drilling of Whitehorse, Yukon Territory.

Between July 17, 1981 and September 10, 1981, Canorex drilled 1799.4 meters (5838 feet) of BQ diamond drill core in seven holes. A summary of the pertinent drill hole data is presented on Table 1.

The purpose of the 1981 drilling program was to test the plateau area to the east of the known showings in Groat Creek for an extension of the copper-gold-silver mineralization. Since magnetite appeared to be a secondary development accompanying mineralization, it was postulated that the magnetic anamaly on the plateau area may indicate an area of copper-gold-silver mineralization and consequently, the first five drill holes were located to test the magnetic feature along its length.

From the results of the first five holes it became apparent that the magnetic feature is not representing an extension of the Cu-Au-Ag mineralization but appears to reflect the general position of the diorite intrusive. However, marginal to good Cu-Au-Ag mineralization in quartz stockwork veining was intersected in the holes which suggested a 085^{o} strike and 30^{o} northerly dip to the mineralization. Holes 81-6 and 81-7 were drilled in an attempt to confirm that hypothesis. Although it is not conclusive, 81-7 appears to support a 085^{o} strike direction for the mineralization. However, Hole 81-6 did not support nor deny a 30^{o} northerly dip to the mineralization.

On the basis of the strike length and the tenor of the mineralization encountered to date, it is concluded that additional drilling is required to test the strike extension east of 81-2 and to fill-in the area between 70-1 to 5 and 81-2.

TABLE I

HOLE	LOCATION	ELEV.(M)	DEPTH	DIP	AZIM	BEGAN	COMPLETED	CORE RECOVERY	DEPTH(M)
81-1	0+10S,22+40E	1597m	Collar	-45^{o}	180^{o}	24/7/81	31/7/81	84%	262.4m
81-2	4+09S,26+27E	1608m	Collar	-45^{o}	180^{o}	2/8/81	7/8/81	84.7%	218.2m
81-3	5+00S,18+00E	1578m	Collar 241.4	-45^{o} -49^{o}	05^{o} 05^{o}	8/8/81	14/8/81	79.3%	241.4m
81-4	3+00S,33+00E	1614m	Collar 251.5	-45^{o} -49^{o}	180^{o} 180^{o}	15/8/81	19/8/81	94.2%	251.5m
81-5	8+00S,23+70E	1594m	Collar 256.6	-45^{o} -38^{o}	360^{o} 360^{o}	21/8/81	26/8/81	93.3%	256.6m
81-6	2+00N,21+80E	1595.8m	Collar 303.9m	-45^{o} -37^{o}	180^{o} 180^{o}	27/8/81	1/9/81	94.1%	303.9m
81-7	2+00S,18+40E	1587m	Collar 245.4	-60^{o} -59^{o}	180^{o} 180^{o}	3/9/81	6/9/81	85.1%	245.4m

6.0 CONCLUSIONS

6.1 The magnetic anomaly to the east of the known showings in Groat Creek does not appear to directly represent an extension of the mineralization but rather, appears to relect the general position of the diorite.

6.2 Stockwork copper-gold-silver mineralization was encountered in all seven holes. The stockwork ranges from poorly developed to well developed and the grade varies directly with the intensity of the stockwork development.

6.3 The stike trend of the mineralization appears to be approximately 085^{o} while the dip of the mineralization, although less certain, appears to be about 30^{o} to the north.

7.0 RECOMMENDATIONS

It is recommended that 1500 meters of diamond drilling be carried out to test the possible strike extensions of the mineralization to the east of 81-2 and to fill-in between Groat Creek and 81-2.

APPENDIX A

PROGRAM EXPENDITURES

GJ PROJECT

PROGRAM COSTS TO OCTOBER 27, 1981

Salaries: Temporary J. Tocher (Geological Assistant) July 9-August 21/81 42 days @ $45/day	$	1,890.00
Travelling Expenses - all employees		797.21
Commercial Air Transportation		1,795.50
Helicopter Expenses		41,079.75
Freight		2,042.74
Camp Costs 379 man days @ 29.65/day		11,238.39
Geological Materials and Supplies		2,514.63
Contract Geological R. Durfeld, Project Manager July 18-Sept. 10 & Sept. 22-24/81 58 days @ $250/day		14,500.00
B. Durfeld, Coresplitter July 18-Sept. 4/81 47 days @ $70/day		4,230.00
Expenses (incl. truck)		2,800.51
Fixed Wing Aviation		1,193.61
Geochemical Analyses 84 Mo @ $8.00/sample 580 Cu @ $5.25/sample 549 Au and Ag @ $10.75/sample		9,392.28
Bank Charges		25.00
Contract Drafting and Reproduction		667.62
Drilling Costs 5832 feet @ $29.84/foot, all inclusive		174,003.34
TOTAL	$	268,008.31

APPENDIX B

DRILL LOGS

DRILL HOLE RECORD

Collar	Inclination	Bearing

PROPERTY GJ
Location
Elevation
Coordinates N
E

Length
Hor. Comp. / Vert. Comp.
Bearing
Begun / Completed
Core size / Recovery %

HOLE No. LEGEND
Sheet of
Logged by
Sampled by

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS per FOOT	ALTERATION S	B	C	K	E	MINERALIZATION Mo	Py	Cp	Ca	Mag	F	GRAPHIC VEIN ANGLE	SAMPLES No.	From	To	ASSAYS Cu	MoS_2	Au	Ag
				LITHOLOGY →																					
				AND - Andesite, ARG - Argillite, BX - Breccia, CHT - Chert, CHL - Chlorite, DAC - Dacite, DIOR - Diorite, DIORP - Diorite Porphyry, FP - Feldspar Porphyry, MONZ - Monzonite, QTZITE - Quartzite, RHY - Rhyolite, S-QTZ - Sheated Quartzite, T-MONZ - Trachytic Monzonite.																				
				VEINS PER FOOT, TYPE →		→																				
				/// Sheated veins ## Stockwork veins. B - Biotite, C - Calcite, Ch - chlorite, Cpy - Chalcopyrite, E - Epidote, K - potassic feldspar, Py - Pyrite, Q - Quartz, S - Sericite.																					
				ALTERATION →			→																		
				TYPE: S - Sericite, B - biotite, C - chlorite, K - potassic feldspar, E - epidote. INTENSITY: 0 - Absent, 1 - Trace, 2 - Present 3 - Moderate, 4 - Strong, 5 - Intense.																				
				MINERALIZATION →								→													
				TYPE: Mo - molybdenum, Py - Pyrite, Cpy - Chalcopyrite, Ca - Calcite, Mag - Magnetite INTENSITY: 0 - Absent, 1 - Trace, 2 - Present 3 - Moderate, 4 - Pervasive, 5 - Intense.																				
				GRAPHIC FAULT INTENSITIES AND ANGLE → VEIN ANGLES → - when underlined mineralized with chalcopyrite or pyrite.													→	→							
				ASSAYS Cu - copper in % MoS_2 - molybdenite in % Au - gold in grams/ton Ag - silver in grams/ton.																→	→	→	→				

9773

DRILL HOLE RECORD

	Inclination	Bearing
Collar	-45°	150°
	BROKEN ACID TEST.	

PROPERTY G.J. | Length 861' | HOLE No. BI-1
Location | Hor. Comp. / Vert. Comp. | Sheet 1 of 4
Elevation 5240 | Bearing | Logged by R.M. (DUPLICATED).
Coordinates 0+10 South N | Begun 24/7/81 / Completed 31/7/81 | Sampled by B. DURTELL.
22+40 EAST E | Core size BQ. / Recovery 84 % | J. TOSHER.

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS per FOOT	ALT S	ALT B	ALT C	ALT K	ALT E	MIN Mo	MIN Py	MIN Cp	MIN Cu	MIN Mag	MIN F	GRAPHIC VEIN SHEETS	SAMPLES No.	SAMPLES From	SAMPLES To	SAMPLES Ft	ASSAYS Cu	ASSAYS MoS_2	ASSAYS Au	ASSAYS Ag
				0-16 OVERBURDEN - only rounded cobbles. - casing left in hole.																						
				16-93 DIORITE PORPHYRY - generally irregular white to light green felsic crystals to 3mm mottled in a dark grey to black mafic matrix. - minor iron staining on cx sheaves. - minor sericite developed on shears and matrix - chlorite developed on mafics and shears - K-spar is developed as discontinious veins at 20° and 70° to core axis with minor calcite. - calcite as crystalline discontinious veins and on matrix. - pyrite generally fine disseminated throughout with minor chalcopyrite.	DIOR	cQ 1	0	0	2	0	0	0	1	1	2	0		30,80	7001	20	30	10	.02				
						cQ 3	1	0	2	1	0	0	1	0	2	0		0,60		30	40	10	.02			
						cKQ 2	1	0	2	2	0	0	2	1	1	0		30,60		40	50	10	.02			
						cK 2	1	1	2	0	0	0	2	0	2	0		30°		50	60	10	.03			
						cKQ	1	0	2	2	0	0	2	1	2	0		0°		60	70	10	.02			
						2cKQ	2	0	2	2	0	0	2	0	1	0		30°60°		70	80	10	.02			
						2c	2	0	2	0	0	0	2	0	2	0		30°45°		80	90	10	.02			
					DIOR/QTZ VEIN	2cK	2	0	1	0	0	0	1	1	1	0		0°45°		90	100	10	.03			
				CONTACT RELATION LOST IN SHEAR.																						
				93-183 QUARTZITE/BRECCIA - generally milk to clear fine crystalline silicious mineral mottled ore. - sericite developed on shears and matrix. - pyrite variably disseminated throughout. - trace chalcopyrite on veins. - minor fine secondary quartz veining. - sections of clear quartz angular fragments in a milky secondary silicious matrix.	QTZ/BX	C 2	1	0	0	0	1	0	2	1	1	0		30°		100	110	10	.04			
						Q	2	0	0	0	0	0	2	1	0	0				110	120	10	.02			
						Q	1	0	0	0	0	0	2	1	0	0		?		120	130	10	.03			
						Q	2	0	0	0	0	0	1	0	0	0				130	140	10	.02			
					QTZ/BX	QC	2	0	0	0	0	0	1	0	2	0				140	150	10	.04			
				183-147 Sheared altered contact.																						
				147-228 DIORITE - irregular milky to light green feldspar and sub-hedral phenocrysts to 2mm in a fine mottled biotite and feldspar matrix (Equigranular) - up to 1cm discontinious calcite veins at 10° and 45° to core axis. - only minor fine quartz veining. - sericite on shears and matrix - chlorite on matics and shears - minor epidote on feldspars - minor MoS_2 very fine disseminated - " Py dis and as veins. - " Cpy dis and with Py as veins. - Fine disseminated magnetite throughout. 226-230 Sheared altered contact.	Hematite DIOR Py, Cpy veins @ 30° Hem DIOR.	2CQ	2	0	2	1	0	0	1	1	1	2		45°,0°		150	160	10	.05			
						3CQK	2	0	2	0	0	0	1	0	2	2		70°10°		160	170	10	.07			
						2CQ	2	0	2	0	0	1	1	1	2	2		45°70°		170	180	10	.05			
						3CQ	2	1	2	0	1	0	2	2	2	2		30°80°		180	190	10	.10			
						2CQK	2	1	2	1	0	0	1	1	1	2		0°45°		190	200	10	.03			
						2QKC	2	0	1	0	0	1	1	1	2	2		70°10°		200	210	10	.04			
						2CQ	2	1	2	0	0	1	2	1	2	1		60°30°		210	220	10	.05			
					DIOR.	1QK	2	0	2	0	1	1	2	2	2	2		30°10°	7021	220	230	10	.05			

9773

DRILL HOLE RECORD

Collar	Inclination	Bearing

PROPERTY G.J.
Location
Elevation
Coordinates N / E

Length
Hor. Comp. / Vert. Comp.
Bearing
Begun / Completed
Core size / Recovery %

HOLE No. 81-1
Sheet 2 of 4
Logged by R.M. DUROCHER
Sampled by

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS per FOOT	ALTERATION S	ALTERATION B	ALTERATION C	ALTERATION K	ALTERATION E	MINERALIZATION Mo	MINERALIZATION Py	MINERALIZATION Cp	MINERALIZATION Ca	MINERALIZATION mag	MINERALIZATION F	GRAPHIC VEIN ANGLES	SAMPLES No.	SAMPLES From	SAMPLES To	SAMPLES FT	ASSAYS Cu	ASSAYS MoS_2	ASSAYS Au	ASSAYS Ag
				228-251 QUARTZITE/BRECCIA	QTZITE/BX	1 Q	2	0	1	0	0	0	2	1	1	0		10°70°	7022	230	240	10	.02			
				-same as 93' to 143'	QTZITE/BX	0 Q	2	0	1	0	0	2	1	1	0	0		10°70°		240	250	10	.02			
				251-264 DIORITE PORPHYRY	DIOR P	2 Cg	1	0	1	1	0	0	2	1	2	0		10°30°		250	260	10	.04			
				-gradational contacts.	DIOR P/QTZITE	1 Cu	1	0	1	1	0	0	2	1	2	0		30°60°		260	270	10	.05			
				-generally irregular shattered feldspar crystals to 3mm crowded in a fine mafic matrix																						
				-non magnetic.																						
				-calcite on barren discontinuous veins and on matrix.																						
				-only trace chalcopyrite noted.																						
				264-380 QUARTZITE/BRECCIA	QTZITE	2Q	1	0	0	0	0	0	2	1	0	0		10°60°		270	280	10	.03			
				-generally fine crystalline, milky to clear siliceous core - sections becoming light green and brown, sections with distinct quartz grains		2Q	2	0	2	0	0	0	1	1	0	0		0°		280	290	10	.03			
						3Q	1	0	0	0	0	0	2	0	0	0		0°60°		290	300	10	.05			
						3Qg	2	0	1	0	0	0	2	1	0	0		0°30°		300	310	10	.07			
				-sericite developed with quartz veins and as matrix		3Qg	1	1	1	0	0	0	1	1	0	0		60°30°		310	320	10	.03			
				-minor chlorite on sheared sections.		2Q	2	0	0	0	0	1	1	1	0	0		30°70°		320	330	10	.04			
				- " epidote developed in matrix near contact.		2QXX	2	0	1	0	0	1	1	1	0	0		40°10°		330	340	10	.04			
				- Tr. MoS_2 in matrix		2Q	2	0	1	0	0	0	2	1	0	0		0°30°		340	350	10	.07			
				- minor pyrite disseminated throughout.		2Q	1	0	1	0	0	0	1	1	0	0		0°30°		350	360	10	.06			
				- Tr. chalcopyrite throughout with increase toward lower contact.	↓ QTZITE/BX	1QXX	2	0	2	0	1	0	2	2	0	0		10°30°		360	370	10	.06			
					QTZITE/BX	1QXX	2	2	2	0	0	0	2	2	0	0		50°		370	380	10	.08			
				376-382 ALTERED SHEARED CONTACT @ 0°																						
				380-527 DIORITE/DIORITE PORPHYRY	DIOR	3Q	3	0	2	0	1	0	2	2	0	2		30°10°		380	390	10	.17			
				380-413 DIORITE - same as 147 to 228	↕	4QCg	2	0	2	0	2	0	2	2	1	2		30°60°		390	400	10	.27			
				-alteration and mineralization demonstrated graphically.	DIOR	5QCg	2	0	2	0	2	0	1	3	2	2		45°		400	410	10	.52			
				413-418 FAULT CONTACT (5' 7 core recovery)	DIOR P/DIOR	2QK	2	0	2	0	2	1	1	2	0	0		55° 30°		410	420	10	.38			
				418-527 DIORITE PORPHYRY	↑	5QCCg	2	0	2	0	2	1	1	2	2	1		45°80°30°		420	430	10	.23			
				-comprised of irregular shattered ? or zoned milky white to olive green irregular feldspar phenocrysts to 4mm in a dark brown and pink mottled felsic and mafic matrix.		2QK	2	0	2	1	2	1	1	2	0	0		70°20°		430	440	10	.25			
						3QCg	2	0	2	1	2	1	1	2	1	1		10°60°		440	450	10	.16			
						4QCg	1	0	2	1	2	0	1	2	2	2		30°80°70°		450	460	10	.12			
						4QCCg	1	0	2	1	2	0	1	1	0	2		45°60°		460	470	10	.22			
						3QCCg	1	0	2	1	1	0	1	2	1	1		30°60°		470	480	10	.11			
						2QCCg	1	0	1	1	1	0	1	2	2	2		30°60°		480	490	10	.22			
						3QCg	0	0	1	0	0	0	1	2	1	3		45°90°		490	500	10	.14			
				- Tr MoS_2 in quartz veins.		6QCg	1	0	1	0	0	0	1	2	1	2		30°70°		500	510	10	.24			
				- only minor (up to 1cm.) sheeted quartz veins developed.		4QCg	1	0	1	0	0	0	0	3	1	1		30°70°		510	520	10	.27			
					DIOR P/DIK	4QCg	2	0	2	0	2	0	0	2	0	0		30°60°		520	530	10	.10			
				ALTERED GRADATIONAL CONTACT.																						

9773

DRILL HOLE RECORD

	Inclination	Bearing
Collar		

PROPERTY G.J.
Location
Elevation
Coordinates N / E

Length
Hor. Comp. / Vert. Comp.
Bearing
Begun / Completed
Core size / Recovery %

HOLE No. 81-1
Sheet 3 of 4
Logged by R.M. Dewhirst
Sampled by

FOOTAGE From	To	RECOVY Run	Core	DESCRIPTION	LITHOLY	VEINS per Foot	ALT S	ALT B	ALT C	ALT K	ALT E	MIN Mo	MIN Py	MIN Cp	MIN Ca	MIN Mag	F	GRAPHIC VEIN ANGLE	SAMPLES No.	From	To	Ft	ASSAYS Cu	MoS2	Au	Ag
				527-610 DACITE																						
				-generally fine mottled light to medium green and beige weakly banded felsic section.	DAC	QCCp 5'	2	0	1	1	1	0	0	3	0	0		60°10°	7052	530	540	10	.07			
				-short sections silicious.	DIOR P	QCp 5'	1	0	3	1	1	0	2	3	0	0		70°30°		540	550	10	.18			
				549-553 - DIORITE PORPHYRY	DIOR P	QC 5'	1	0	2	0	2	0	2	2	0	0		45°60°		550	560	10	.19			
				-short sections of good sheeted quartz veins.		QCp 5'///	1	0	2	0	1	0	2	3	1	0		30°80°		560	570	10	.27			
				-sections of good sheeted qtz stockwork		QCp 6///	1	0	2	1	0	0	2	3	2	1		90°30°		570	580	10	.12			
				with main trend 80° to core axis.		QCpC 4///	1	0	2	0	1	0	2	3	2	2		80°10°		580	590	10	.17			
				- minor sericite on matrix and veins.		QCpC 5'	1	0	2	0	0	0	1	3	3	1		70°10°		590	600	10	.23			
				- " chlorite on shears.	DAC	QCpC 4	2	0	2	1	0	0	2	3	3	1		90°10°		600	610	10	.18			
				- epidote on more altered matrix.																						
				- pyrite and chalcopyrite disseminated and on quartz veins.																						
				- hematite with chalcopyrite on isolated quartz veins.																						
				610-637 DIORITE (matic gradation in part)	DIOR	QCpC 3	0	0	2	0	0	0	2	2	3	2		80°10°		610	620	10	.20			
				-sub-rounded black matic fragments to 5mm in a light grey to black felsic matrix.		QCpC 3	0	0	3	0	0	0	2	3	3	3		80°10°		620	630	10	.17			
				- chilled contacts	DIOR	QCpC 2	0	0	4	1	0	0	1	2	3	3		80°45°		630	640	10	.18			
				- coarse chlorite on matrix																						
				- calcite on veins and matrix																						
				- quartz and calcite veins at 80°, 30° to core axis																						
				Sheared altered lower contact.																						
				637-660 DACITE (Same as 527-610)	DAC TUFF	QC 3	1	2	1	0	1	0	2	1	3	0		70°45°		640	650	10	.20			
					DAC TUFF	QC 2	1	0	1	0	1	0	2	1	1	2		20°10°		650	660	10	.26			
				660-662 Fault Gouge as contact.																						
				660-861 MONZONITE/DIORITE	MONZ	QCp 3	2	0	1	3	1	1	2	3	0	0		90°45°		660	670	10	.37			
				-sub-bedded milky white to light green feldspar crystals with fine chloritic matic masses in a fine pink felsic matrix. -short trachytic sections at 20°		QCp 3//	2	0	1	3	2	1	2	3	1	1		80°45°		670	680	10	.23			
						XXQ 3	2	0	1	3	1	1	1	1	0	2		90°30°		680	690	10	.13			
						QC 1	2	0	2	3	2	0	1	3	1	2		70°30°		690	700	10	.14			
				- variable sericite and epidote on feldspars and matrix	DIOR	CQ 2	1	0	2	1	2	0	1	2	0	2		20°30°		700	710	10	.06			
						QCp 1	2	0	3	2	2	1	2	3	1	2		50°70°		710	720	10	.07			
				- pink matrix through due to K-spar.		C 1	2	0	3	3	1	0	2	3	0	2		30°		720	730	10	.07			
				- trace MoS2 noted on quartz veins.		QC 2	2	0	3	3	0	0	2	2	0	3		45°20°		730	740	10	.07			
				- chalcopyrite well developed on fine quartz veins and as disseminations.		CQ 2	2	0	3	2	0	0	2	3	2	3		60°45°		740	750	10	.10			
						C 2	1	0	3	2	1	0	2	2	2	3		45°20°		750	760	10	.08			
				- variable fine disseminated pyrite throughout.		C 1	2	0	3	2	1	0	1	3	2	3		45°20°		760	770	10	.07			
						CQ 2	1	0	3	2	2	0	1	2	1	2		30°45°		770	780	10	.09			
				- minor calcite developed as veins and on matrix.		CQ 4	2	0	3	2	3	0	1	2	1	3		30°45°		780	790	10	.07			
						CQ 4	3	0	4	2	2	0	1	3	0	3		30°45°		790	800	10	.07			
				- variable magnetite disseminated throughout.		C 2	2	0	3	2	2	0	2	2	1	3		45°		800	810	10	.07			
					MONZ	QC 3	2	0	3	2	1	0	1	3	1	3		30°60°	7080	810	820	10	.10			

9773

DRILL HOLE RECORD

Collar	Inclination	Bearing

PROPERTY (G.J.)
Location
Elevation
Coordinates N / E

Length
Hor. Comp. / Vert. Comp.
Bearing
Begun / Completed
Core size / Recovery %

HOLE NO. DI-1
Sheet 4 of 4
Logged by R.M. DURRELL
Sampled by

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS per FOOT	ALTERATION S	B	C	K	E	MINERALIZATION Mo	Py	Cp	Cn	Mg	F	GRAPHIC VEIN ANGLES	SAMPLES No.	From	To	Ft	ASSAYS Cu	MoS2	Au	Ag
				660 - 861 (continued.)	MONZ	2 QC	2	0	2	1	1	0	2	3	2	3		80 45	7081	820	830	10	.06			
				- fresh rocks generally dark grey to black biotite with variable superimposed chloritic.		2 C	1	0	1	0	1	0	2	2	2	3		30°		830	840	10	.06			
						1 C	2	0	3	0	1	0	1	2	2	3		30°		840	850	10	.07			
					MONZ	3 QC	3	0	3	1	1	0	1	3	2	3		60°	7084	850	861	10	.12			
				- sections with irregular light green chloritic masses to 1cm.																						
				- 710-750 good disseminated chalcopyrite.																						
				- milky white to rare qtz veins discontinuous are generally post sulphide mineralization.																						
				861' FAULT (THIS DIDN'T LOCK)																						
				861' END OF HOLE.																						

9773

DRILL HOLE RECORD

	Inclination	Bearing
Collar	-45°	180°

PROPERTY G.J.
Location
Elevation 5276 FEET
Coordinates 4409 South N
26+27 EAST E

Length 716 FEET
Hor. Comp. /Vert Comp.
Bearing
Begun 2/8/81 /Completed 7/8/81
Core size BQ /Recovery 84.7 %

HOLE No. 81-2
Sheet 1 of 3
Logged by R.M. DURFELD
Sampled by B. DURFELD
J. TURNER

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS per FOOT	ALTERATION S	B	C	K	E	MINERALIZATION Mo	Py	Cp	Cn	Mag	F	GRAPHIC	SAMPLES No	From	To	Ft	ASSAYS Cu	MoS2	Au	Ag
				0-12 OVERBURDEN																						
				12-97 DACITE + ALTERED DACITE.	DAC	2	1	0	2	0	0	0	1	1	0	2			7085	12	20	8				
				12-40 - oxidized core.	↑	3	2	0	1	0	0	0	2	0	1	1				20	30	10				
				12-60 - extremely broken core - poor recovery. MoS2 → on shear		2	1	0	1	0	0	2	2	0	1	1				30	40	10				
				- generally beige to light green faint banded		3	2	0	1	0	0	0	2	1	2	2				40	50	10				
				felsic 70-97 more pink due to k-spar.		1	1	0	2	0	0	0	2	1	1	1				50	60	10				
				- matrix generally weak to moderately calcareous	Bx	3 XX qtz ca	2	0	2	0	0	0	2	2	2	2				60	70	10				
				with good calcite veining.		4 XX qtz ca	2	0	1	1	0	0	2	2	2	2				70	80	10				
				- sections of good quartz carbonate healed	↓	4 XX "	2	0	1	3	0	0	3	2	1	1				80	90	10				
				breccia as 2 foot sections throughout.	DAC	3	2	0	3	3	0	0	2	2	1	2				90	100	10				
				- variable chlorite on fragments and slews.																						
				- k-spar as strong pinking on feldspars.																						
				- isolated molybdenum was noted on a slew.																						
				- minor pyrite is disseminated throughout.																						
				- generally less than .2% to trace grade.																						
				- magnetite fine disseminated throughout.																						
				- in part banded - possibly bedding ∠60°.																						
				CHILLED CONTACT AT 45°.																						
				97-140 DIORITE FELDSPAR PORPHYRY.	DioR	2	3	0	3	0	2	0	1	2	2	3				100	110	10				
				- generally irregular white to light green	↕ /DAC	2	2	0	3	1	2	0	1	1	1	3				110	120	10				
				feldspars to 3mm in a dark green grey		2	2	0	3	1	2	0	1	1	2	3				120	130	10				
				mottled chloritic matrix.	DioR	2	2	0	3	1	2	0	1	1	2	3				130	140	10				
				- qtz veins at 30° + 60° to core axis.																						
				- strong fine grained altered volcanic sections.																						
				- strong fault 117' to 130'.																						
				- hematite on fine veins and matrix																						
				- weak to moderate sericite on feldspars and matrix.																						
				- moderate chlorite on mafics																						
				- minor pinking of feldspars thought to be k-spar.																						
				- only minor sulphide mineralization was noted.																						
				140-383 DACITE/FELDSPAR PORPHYRY/RHYOLITE	Dac/DioR.	3	3	0	3	2	1	0	2	2	3	3				140	150	10				
				- generally green grey to pink fine	↑	3	2	0	2	1	0	0	2	2	3	3				150	160	10				
				banded mottled to fine crystalline.		2	1	0	2	1	0	0	2	1	3	2				160	170	10				
				- quartz - carbonate - pyrite veining generally	Bx	2	1	0	2	0	0	0	2	1	3	2				170	180	10				
				at 70° to 90° to core axis.		2	2	0	2	1	0	0	3	2	2	2				180	190	10				
				- sections with 2mm felsic fragments.		2	1	0	2	1	1	0	2	1	3	3				190	200	10				
				generally heterogeneous but where more		1	1	0	2	0	1	0	2	1	3	3				200	210	10				
				homogeneous milky white represent more a	↓ FP	2	2	0	3	0	1	0	2	1	3	3				210	220	10				
				feldspar porphyry.	Dac. Rhy	4 XX core	2	0	2	1	1	0	2	1	3				7106	220	230	10				

9773

DRILL HOLE RECORD

Collar	Inclination	Bearing

PROPERTY G.J.
Location
Elevation
Coordinates N E

Length
Hor. Comp. /Vert Comp.
Bearing
Begun /Completed
Core size /Recovery %

HOLE No. 81-2
Sheet 2 of 3
Logged by R.M. Durfeld.
Sampled by

DESCRIPTION	LITHOL'Y	VEINS per Foot	S	B	C	K	E	Mo	Py	Cp	Ca	Mg	F	Sample No.	From	To	Ft	Cu	MoS2	Au	Ag
140-383 DACITE/FELDSPAR PORPHYRY/RHYOLITE (continued).	DAC/RHY.	6 XX Qtz	2	0	2	0	0	0	2	1	3	1		7107	230	240	10				
- parts of this section are more silicious	↑	4 XX	2	0	1	0	0	0	2	0	3	0			240	250	10				
and therefore called rhyolite.		2 Ca.	2	0	2	0	0	1	2	1	3	1			250	260	10				
- the texture is rather homogeneous Hem veins →		2	2	0	3	0	0	0	3	1	3	2			260	270	10				
fine grained weakly banded with Epi on →		1	2	0	2	1	2	0	2	1	3	2			270	280	10				
longer a zoned concentric zoned fragments. veins with →	/RHY	1	2	0	2	1	2	0	2	0	3	1			280	290	10				
- this unit is thought to represent k-spar. Bdg 70° →	/RHY	2	2	0	2	0	0	0	2	0	3	2			290	300	10				
a fine clastic rock of variable	/RHY	2	2	0	2	0	1	0	1	0	0	0			300	310	10				
composition.		3	2	0	2	0	0	0	2	1	1	0			310	320	10				
- sericite is developed as a milking on matrix Hem. →		4	3	0	3	2	1	0	2	0	0	0			320	330	10				
and shears.	/RHY	5 XX Qtz Bx	3	0	2	2	0	0	2	1	0	0			330	340	10				
- one isolated occurrence o secondary biotite	↑	3	3	1	2	3	1	0	1	2	0	1			340	350	10				
was not noted on a k-spar vein.	↓	2	2	0	2	2	1	0	2	1	0	1			350	360	10				
- chlorite is developed as splotches throughout	/RHY	3	3	0	3	2	1	0	1	2	0	0			360	370	10				
and as veinlets. - disseminated pyrite is	↓ MONZ	2	2	0	2	3	1	0	2	0	1	0			370	380	10				
often noted with the chlorite.	DAC/DIOR	2	2	0	3	1	1	0	2	2	2	1			380	390	10				
- secondary k-spar is noted as vein and shear																					
envelopes.																					
- minor epidote was noted as isolated blotches																					
and veins.																					
- no significant sulphide mineralization was																					
noted in this unit outside of disseminated																					
pyrite.																					
383-386 Contact zone is represented by																					
interbanded altered intrusive and dacite.																					
383-462 DIORITE/MONZONITE.	DIOR	2	1	0	2	0	0	0	1	2	1	2			390	400	10				
- generally irregular biotite crystals to	MONZ	2	2	0	2	3	2	0	1	1	1	2			400	410	10				
2mm in a fine light grey to pink	DIOR	3	2	0	2	2	1	0	1	1	2	2			410	420	10				
felsic fine crystalline matrix.	DIOR	2	1	0	2	1	0	0	1	1	2	3			420	430	10				
- this unit is divided into diorite	MONZ/Qtzite	4 XX Qtz	3	0	1	4	0	0	1	2	0	3			430	440	10				
and monzonite by mafic content and	MONZ/Qtzite	3 X Qtz	3	0	2	0	0	0	1	1	0	0			440	450	10				
amount of k-spar. 6" massive →	DIOR/DAC	2	3	0	3	0	2	0	2	2	0	0			450	460	10				
- short sections of included altered Py+Cp veins. ↘	DIOR/MONZ	2	2	0	3	3	0	0	2	2	2	0			460	470	10				
quartzite and dacite.	MONZ	2	2	0	2	3	1	0	1	1	0	2			470	480	10				
- quartz veins 45°, 80°, 0° generally milky	↑	3	2	1	2	3	1	1	2	1	0	2			480	490	10				
and 2mm thick.		2	2	0	2	4	2	0	1	1	0	1			490	500	10				
- sections of good k-spar developed in		3	2	0	2	4	1	0	1	1	0	0			500	510	10				
matrix and as halos on quartz veins.		3	2	0	2	3	1	0	1	1	0	0			510	520	10				
- sericite mottled on mafics & matrix		2	4	0	2	2	0	0	1	1	0	2			520	530	10				
throughout.		1	3	0	2	3	0	0	1	1	0	2			530	540	10				
- variable chlorite developed on mafics	↓	3	2	0	3	3	0	0	1	1	0	1			540	550	10				
and shears.	MONZ/DIOR	2	3	0	3	2	0	0	1	1	1	2			550	560	10				
- minor epidote on matrix and as veins.	DIOR	2	1	0	2	0	0	0	1	1	1	2			560	570	10				
- trace chalcopyrite disseminated throughout	↕	2	1	0	3	0	0	0	0	1	2	3			570	580	10				
and on quartz veins.	DIOR.	2	2	0	2	1	0	0	1	1	2	3		7142	580	590	10				

9773

DRILL HOLE RECORD

	Inclination	Bearing
Collar		

PROPERTY B.S
Location
Elevation
Coordinates N / E

Length
Hor. Comp. / Vert. Comp.
Bearing
Begun / Completed
Core size / Recovery %

HOLE No. B1-2
Sheet 3 of 3
Logged by R.M. DURFELD
Sampled by

FOOTAGE From	To	RECOV'Y Run	Core	DESCRIPTION	LITHOL'Y	VEINS per FOOT	ALTERATION S	B	C	K	E	MINERALIZATION Mo	Py	Cp	Ca	Mg	F	GRAPHIC
				383-662 DIORITE (continued)	DIOR	3	1	0	2	0	0	0	1	0	1	1		
				- qtz veins at 80° to core axis. Epi, Py →		3	1	0	2	1	1	0	1	1	2	2		S
				- minor pyrite disseminated and on veins throughout. Kspar vein		2	1	0	2	0	0	0	1	1	1	2		
						3	1	0	2	0	0	0	1	1	2	3		
				- Variable calcite disseminated and as veins with quartz.		3	2	0	4	0	0	0	1	1	2	2		S10
						3	3	0	3	0	0	0	1	1	2	2		
				- magnetite disseminated throughout.	DIOR.	2	3	1	2	1	0	0	1	1	3	2		
				662-716 RHYOLITE / QUARTZITE	DIOR/QTZITE	6 ✕ Qtz	2	0	2	0	0	0	1	1	0	1		S
				- light grey to beige brown fine matted to crystalline siliceous section. Qtz healed →	QTZITE	6 ✕	3	0	1	0	0	0	1	1	0	0		
				- local qtz healed breccia sections. Breccia	RHY.	4 ✕	2	0	2	0	0	0	2	1	0	0		
				- contact to diorite gradational weak altered.	RHY/QTZITE	6 ✕	3	0	1	0	0	0	1	1	1	0		
						4	3	0	1	0	0	0	1	1	0	0		S
				- clear more pure siliceous sections recognized as quartzite where the more dirty sections are recognized as rhyolite even though both are probably the same.	RHY/QTZITE	3	2	0	1	0	0	0	1	1	0	0		
				- minor sericite as silkin. of matrix														
				- minor chlorite on fine shears.														
				- only trace amounts of chalcopyrite and pyrite were noted disseminated throughout.														
				TD (END) OF HOLE.														

SAMPLES No.	From	To	Ft	ASSAYS Cu	MoS2	Au	Ag
7143	590	600	10				
	600	610	10				
	610	620	10				
	620	630	10				
	630	640	10				
	640	650	10				
	650	660	10				
	660	670	10				
	670	680	10				
	680	690	10				
	690	700	10				
	700	710	10				
7155	710	716	6				

9773

DRILL HOLE RECORD

	Inclination	Bearing
Collar	-45°	05°
792'	-49°	

PROPERTY: G.d.
Location:
Elevation: 5177 FEET
Coordinates: 5+00 SOUTH N / 19+00 EAST E

Length 792
Hor. Comp. / Vert. Comp.
Bearing
Begun 8/8/81 / Completed 14/8/81
Core size BQ / Recovery 79.3 %

HOLE NO. 81-3
Sheet 1 of 3
Logged by RM. DURFELD
Sampled by R. DURFELD / T. TOCHER

FOOTAGE From	To	RECOV'Y Run	Core	DESCRIPTION	LITHOL'Y	VEINS per Foot	ALT S	ALT B	ALT C	ALT K	ALT E	MIN Mo	MIN Py	MIN Cp	MIN Sph	MIN Mag	MIN F	GRAPHIC VEIN ANGLE	SAMPLES No.	From	To	Ft	ASSAYS Cu	MoS2	Au	Ag
				0-15' OVERBURDEN - rounded core rubble.																						
				15'-222' QUARTZITE - generally light grey to milky white, fine crystalline to glassy generally very siliceous core. - sections demonstrate conchoidal fracturing. - sections fine crystalline homogeneous containing distinct rounded zoned quartz crystals to 2mm. - some sections demonstrate distinct banding thought to represent bedding at 30° to core axis - stronger fractured sections generally rust stained with some carbonate 15'-40', 16'-110', 140', 160'. - sooty black coating on some oxidized shears thought to be chalcocite. (135'). - shears slightly more fine felsic sections would possibly be more correctly called rhyolite. - 150-162 Brecciated quartzite that is healed by massive crystalline pyrite. - Quartz veining hard to estimate as the veins are quite indistinct in the quartzite. - sulphide mineralization variable as disseminate and in quartz veins. - alteration variable on matrix and shears. 220-230 Gradational Faulted Contact.	Qtzite	2 Q,c	1	0	0	0	0	0	2	1	1	0		7156	15'	20'	5'				
						2	1	0	0	0	0	0	2	1	2	0		S		20	30	10				
						3	1	0	0	0	0	0	2	1	1	0				30	40	10				
					Banded	3 Q	1	0	0	0	0	0	2	1	2	0		S		40	50	10				
					Bx	2 Q	1	0	0	0	0	0	2	0	1	0				50	60	10				
						4 Q,c	1	0	0	0	0	0	2	1	2	0		SS		60	70	10				
						3 Q,c	1	0	0	0	0	0	2	0	2	0		S		70	80	10				
						3 Q,c	1	0	0	0	0	0	2	1	2	0				80	90	10				
						4 Q,c	1	0	0	0	0	0	2	0	1	0				90	100	10				
					Bx	4 Q,c	1	0	0	0	0	0	2	0	3	0				100	110	10				
						2 Q	2	0	0	0	0	0	2	1	0	0				110	120	10				
						2 Q,c	1	0	0	0	0	0	2	1	2	0				120	130	10				
						2 Q	2	0	0	0	0	0	2	1	1	0		S		130	140	10				
					Bx	3 Qc	2	0	0	0	0	0	2	0	2	0				140	150	10				
						2 Qc	2	0	1	0	0	0	4	1	2	0		SS		150	160	10				
					Bx	4 Qc	3	0	1	0	0	0	3	2	3	0		SS		160	170	10				
					Rhy	4 Q	3	0	1	0	0	0	2	2	1	0				170	180	10				
						4 Q ✕✕	3	0	2	0	2	0	2	1	0	0		SS		180	190	10				
						4 Q ✕✕	3	0	2	0	1	0	2	2	0	0		SS	30°	190	200	10				
					Rhy	3 Q	3	0	2	0	2	0	3	3	2	0		SS		200	210	10				
					Qtzite	Bx 3 Q ✕	4	0	2	0	1	0	2	3	1	0		SS		210	220	10				
				222-291 DACITE/BRECCIA/DIORITE DYKE - generally light green to dark green fine crystalline in part banded felsic core. - more siliceous sections quartzite. 228-236 Altered Dacite? Dyke. - generally irregular beige to brown feldspar crystals to 3mm in a chloritic mottled mafic matrix. - contact relation as quartz healed breccia recalled to contact at 80° to core axis. 235'-stacked quartz veins.	DAC/DIORITE	2 Q	3	0	3	0	2	0	2	3	0	0			220	230	10				
					Dior	3 Q ✕	3	0	3	2	2	0	2	3	1	2		SS	60°	230	240	10				
						1 Q	1	0	2	0	0	0	2	0	2	0		S		240	250	10				
					Bx	3 Q ✕	1	0	2	0	2	0	2	1	2	0				250	260	10				
						3 Q	1	0	2	0	2	0	2	1	1	1		SS		260	270	10				
						2 Qc	2	0	2	1	2	0	1	2	2	1		SS		270	280	10				
					DAC.	3 Qx.	1	0	2	0	2	0	3	1	3	2				7183	280	290	10				

To contact → Bedding @ 50° to core axis

9773

DRILL HOLE RECORD

Collar	Inclination	Bearing

PROPERTY (2): Length — HOLE NO. 81-2
Location — Hor. Comp. / Vert. Comp. — Sheet 2 of 3
Elevation — Bearing — Logged by R.M. DURFELD
Coordinates N — Begun / Completed — Sampled by
E — Core size / Recovery %

FOOTAGE From	To	RECOV'Y Run	Core	DESCRIPTION	LITHOL'Y	VEINS per FOOT	ALTERATION S	B	C	K	E	MINERALIZATION Mo	Py	Cp	Ca	Mag	F	GRAPHIC
				291-792 DIORITE/MONZONITE/QUARTZ MONZONITE/CHLORITE.	MONZ	4 q,c	3	0	2	2	1	0	2	3	2	0		
				-quartz carbonate veining at 10°, 30°, 80° to core axis often with hematite.	DIOR /DAC	4 q,c	3	0	2	2	2	0	3	2	4	0		
				-generally dark brown to black biotite to dark green chloritic crystals to 1 mm and/or milky feldspar crystals subhedral to 1 mm crowded in a fine felsic matrix.		/DAC 3 c	2	0	2	1	0	0	2	2	4	2		
						3 c	1	0	2	2	0	0	0	1	4	3		
					Hematite on shear.	3 c	1	0	2	1	0	0	1	1	4	2		SS
						3 c	3	0	2	2	1	0	1	1	3	3		
						2 c	3	0	3	1	2	0	1	1	3	3		
				-less mafic sections recognized as monzonite. is the upper contact area, and lower altered sections.		2c	2	0	3	3	2	0	1	1	3	3		
						2c	2	0	3	3	1	0	1	1	3	3		50°
				-near the contact have included sections of dacite.		2c	3	0	3	2	2	0	2	2	3	2		
						2c	2	0	3	2	2	0	1	1	3	2		
				-541-543 Fine felsic dyke, sheared contacts at 80°		2c	1	0	2	0	1	0	1	1	3	3		
				-upper part of section generally equigranular and weakly altered.		2c	2	0	3	0	2	0	1	1	3	3		
						2c	2	0	3	1	2	0	1	1	2	3		
				- variable magnetite disseminated throughout. Hem → on shear.		3c	2	0	3	0	2	0	1	2	2	3		
				- calcite as disseminated in matrix and veins.		3c	2	0	2	0	2	0	1	1	3	2		
						3c	2	0	3	0	2	0	1	2	3	1		50°
				-only minor chalcopyrite was noted as disseminations and blotches on veins	Hem → vein @ 30°	3c	3	0	2	0	2	0	1	1	3	2		
						4c	1	0	2	1	2	0	1	1	3	2		
				-epidote is recognized as fine irregular blotches and graining of matrix.	2cm Py, Cp →	3c	2	0	2	0	2	0	1	0	3	3		
						2c	2	0	2	1	1	0	1	0	3	2		
				- chlorite is recognized as fine fibrous light to dark green alteration on mafics.	Hem vein @ 80°	3c	3	0	2	0	1	0	1	0	3	3		
						4c	3	0	3	0	2	0	1	1	3	2		SS
				to locally intense in the sheared chlorite sections.		3c,Q	2	0	3	2	1	0	1	1	3	3		
						4c,Q	2	0	2	3	2	0	0	0	3	3		
				- sericite is recognized as the fine milky white fibrous alteration on feldspars and matrix.	K-spar vein → @ 70°	4c	2	0	4	3	2	0	1	1	3	2		
						2c	2	0	3	3	2	0	0	1	3	3		
					K-spar vein →	3c,Q	2	0	3	2	1	0	0	1	4	3		
				- both clear and milky quartz veins were noted and the milky veins generally postdate the clear ones and are recrystallized.	@ 30° →	3Q,c	2	0	4	3	2	0	0	1	2	3		
					Similar veins @ 80° →	DIOR. 2Q	4	0	4	3	2	0	0	1	2	3		
					Chloritic gouge	/CHL 2Q,K	4	0	3	2	2	0	1	1	1	3		SS
				590-792		/CHL 2Q	3	0	5	0	1	0	1	1	0	0		S
				- section of variable lithologies thought to represent a contact zone of differentiated altered intrusives and included altered sedimentary units represented by the chlorite and quartzite lithologies.		DIOR /BRECC 3Q	3	0	5	2	2	0	1	1	1	0		SS
					Magnetite → very rare vein @ 80°.	MONZ 3Q	3	0	2	3	2	0	1	1	0	2		
						/CHL 3Q,K	4	2	4	3	3	0	1	2	1	2		50°
						4Q,K	3	0	4	3	3	0	1	2	0	1		
						MONZ 3Q,K	3	0	3	3	2	1	2	0	0	1		
						DIOR 3QC	4	2	3	3	2	0	2	1	1	2		
						DIOR/CHL 3Q	3	0	3	3	2	0	1	1	0	2		
						MONZ /CHL 2Q	4	0	4	2	3	0	2	2	0	1		
						4Q	4	0	2	3	2	0	1	2	0	3		
						2Q	4	0	3	3	2	0	1	2	1	2		
						4Q,c	4	0	3	1	2	0	1	1	2	2		
					3cm mafic → inclusions.	3Q,c	5	0	3	0	2	0	1	0	3	1		
						/Calcite 3Q	5	0	3	0	3	0	1	0	1	1		
						MONZ 3Q ✱	5	0	3	0	3	0	1	1	2	1		

SAMPLES No.	From	To	Ft.	ASSAYS Cu	MoS_2	Au	Ag
7184	290	300	10				
	300	310	10				
	310	320	10				
	320	330	10				
	330	340	10				
	340	350	10				
	350	360	10				
	360	370	10				
	370	380	10				
	380	390	10				
	390	400	10				
	400	410	10				
	410	420	10				
	420	430	10				
	430	440	10				
	440	450	10				
	450	460	10				
	460	470	10				
	470	480	10				
	480	490	10				
	490	500	10				
	500	510	10				
	510	520	10				
	520	530	10				
	530	540	10				
	540	550	10				
	550	560	10				
	560	570	10				
	570	580	10				
	580	590	10				
	590	600	10				
	600	610	10				
	610	620	10				
	620	630	10				
	630	640	10				
	640	650	10				
	650	660	10				
	660	670	10				
	670	680	10				
	680	690	10				
	690	700	10				
	700	710	10				
	710	720	10				
	720	730	10				
	730	740	10				
7229	740	750	10				

9773

DRILL HOLE RECORD

	Inclination	Bearing
Collar		

PROPERTY G.S.
Location
Elevation
Coordinates N / E
Length
Hor. Comp. / Vert. Comp.
Bearing
Begun / Completed
Core size / Recovery %
Hole No. DH-3
Sheet 3 of 3
Logged by R.M. DUFFIELD.
Sampled by

FOOTAGE From	To	RECOVERY Run	Core	DESCRIPTION	LITHOLOGY	VEINS per Foot	ALTERATION S	B	C	K	E	MINERALIZATION Mo	Py	Cp	Ga	Mag	F	GRAPHIC	SAMPLES No.	From	To	Ft	ASSAYS Cu	MoS_2	Au	Ag
				291-792. DIORITE/MONZONITE/QUARTZITE/CHLORITE (continued)	QTZITE	70 *	3	0	0	0	0	0	1	2	1	0			7229	750	760	10				
					DIOR/QTZITE	90 *	3	0	2	0	1	0	1	1	1	2				760	770	10				
					DIOR.	30,k	2	0	2	3	2	0	1	1	2	2				770	780	10				
					DIOR/QTZITE	90,k	3	0	3	3	2	0	1	1	1	1			7233	780	792	12				
				792 END OF HOLE.																						

9773

DRILL HOLE RECORD

	Inclination	Bearing
Collar	-45°	180°
825'	-49°	S180°

PROPERTY GS
Location
Elevation 5296 FEET
Coordinates 3+05 N
33+00 E

Length 825
Hor. Comp. /Vert Comp.
Bearing 180°
Begun 15/8/81 /Completed 19/8/81
Core size BQ /Recovery 94.2 %

HOLE NO.

Logged by R.M. DURFELD
Sampled by B. DURFELD.
J. TOCHER

Footage From	Footage To	Recov'y Run	Recov'y Core	DESCRIPTION	LITHOL'Y	VEINS per Foot	S	B	C	K	E	Mo	Py	Cp	Ca	Mag	F	GRAPHIC	VEIN ANGLE	No.	From	To	Ft	Cu	MoS2	Au	Ag
				0-22 OVERBURDEN																							
				22-178 QUARTZITE	QTZITE	4Q,S	1	0	0	0	0	0	1	2	0	0			30° 60° 45°	7235	22	30	8				
				-22-64 orange iron oxide staining on	↑	5Q,S ※	1	0	0	0	0	0	1	2	0	0		SS			30	40	10				
				fracture surfaces; trace bournite is		4Q,S ※	3	0	0	0	0	0	1	1	1	0					40	50	10				
				developed here and the sooty black		5Q,S ※	3	0	0	0	0	0	1	2	2	0		SSS			50	60	10				
				non-magnetic mineral is thought to	RHY	2Q	3	0	1	0	0	0	1	1	0	0					60	70	10				
				be chalcocite.	RHY	4Q	3	0	1	0	0	0	1	2	0	0		SS			70	80	10				
				- light grey to green generally milky		3Q,S	2	0	0	0	0	0	1	1	0	0					80	90	10				
				fine to medium crystalline with		4Q,S,C	3	0	2	0	0	0	3	1	0	0					90	100	10				
				sections with 1mm crowded rounded		3Q,S	3	0	1	0	0	0	2	1	0	0					100	110	10				
				quartz grains.		4Q,C,S	3	0	2	0	0	0	1	2	0	0		S			110	120	10				
				-short pyrite and graphite healed (Py, Cp healed vein Bx)	BX	5Q,C,S	3	0	2	0	0	0	3	2	0	0					120	130	10				
				breccia 105'-120' if sedimentary		4Q,C,S	3	0	3	0	2	0	2	2	0	0		S			130	140	10				
				note would give bedding angle		3Q,C,S	3	0	2	0	2	0	1	1	0	0					140	150	10				
				of 60° to core axis.		5Q,S	2	0	2	0	1	0	1	1	0	0					150	160	10				
				- varies from a homogeneous clear quartzite	↓	5Q,S.	2	0	1	0	0	0	1	2	0	0					160	170	10				
				to green banded milky in more impure	Qtzite/Dior	4Q,S	2	0	1	0	1	0	2	3	0	1		SSS			170	180	10				
				sections.																							
				- quartz veining is quite indistinct																							
				in part but generally noted at 30°,60°,45°																							
				to core axis, minor stockwork is developed.																							
				- the milking of the matrix and/or quartz																							
				veins is thought to be due to sericite.																							
				- minor epidote and chlorite are recognized																							
				on shears and in the more dirty quartzites.																							
				- variable chalcopyrite is developed on																							
				quartz veins and disseminated.																							
				- minor pyrite disseminated and on																							
				veins throughout.																							
				177-178 FAULT GOUGE AS CONTACT.																							
				178-651 DIORITE/CHLORITE/MONZONITE	DIOR	2Q,C	3	0	4	1	0	0	1	1	1	1			0°,30°,45°		180	190	10				
				- generally irregular mafic clots to 2mm	↑	2Q,C	2	0	2	1	0	0	1	1	2	2					190	200	10				
				black to dark green and subhedral (cont K-spar vein @ 45°)		3Q,C,K.	2	0	3	2	0	0	2	2	2	2					200	210	10				
				feldspar crystals to 1mm in a fine		2Q,C,K.	2	0	3	2	0	0	2	2	3	3					210	220	10				
				milky white to beige matrix.	/CHL	2Q,C,K	2	0	3	2	1	0	0	1	2	3		SS			220	230	10				
				- mafic content variable 30% to 50%.		2Q,C.	2	0	2	1	0	0	0	2	3	3					230	240	10				
				generally chloritic with some primary		2Q,C	2	0	3	3	0	0	1	1	2	2		SS	30,70		240	250	10				
				biotite. (Cp on → K-spar veins)		2Q,K,C	3	0	3	3	0	0	2	2	2	2			0,90		250	260	10				
				- variable sericite as milking on matrix.		3Q,K	3	0	3	3	2	0	3	2	2	2			80,30		260	270	10				
				- " chlorite on mafics and shears,		3Q,K.	2	0	2	3	1	0	2	2	2	2			60,45,0		270	280	10				
				pervasive in chloritic sections.	↓	3Q,K	2	0	3	2	0	0	2	2	3	3			60,0		280	270	10				
				- K-spar is developed as veins and/or matrix near veins.	DIOR/CHL	1C,K.	3	0	4	1	0	0	1	1	3	2		SS	30,70	7262	290	300	10				

con't →

9773

DRILL HOLE RECORD

	Inclination	Bearing
Collar		

PROPERTY
Location
Elevation
Coordinates N E

Length
Hor. Comp. / Vert. Comp.
Bearing
Begun / Completed
Core size / Recovery %

HOLE No. 81-4
Sheet 2 of 3
Logged by R.M. Dunfield.
Sampled by

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS per Foot	ALTERATION S	B	C	K	E	MINERALIZATION Mo	Py	Cp	Cv	Mg	F	GRAPHIC	SAMPLES No.	From	To	Ft	ASSAYS Cu	MoS2	Au	Ag
				178 - 651 DIORITE/CHLORITE/MONZONITE	DIOR/CHL	3Q,C	3	0	4	3	0	0	2	2	2	2			7263	300	310	10				
				- trace epidote noted as staining of feldspars	/CHL	5Q,C	3	0	4	3	1	0	1	2	2	2				310	320	10				
				- minor pyrite and chalcopyrite as veins and disseminated.		5Q,K,C	2	0	3	3	1	0	1	2	3	2				320	330	10				
				- variable magnetite disseminated in matrix and as veins.		5Q,K.	2	0	3	2	0	0	1	3	3	3				330	340	10				
				- minor calcite as veins and in matrix.		5Q,K,C	2	0	3	2	0	0	1	3	3	3				340	350	10				
				339-341 - Banded quartzite vein at 30° to core axis. - chilled and sheared contacts ≈ 30° bounds Horse of well disseminated chalcopyrite.		4Q,K.	2	0	3	2	0	0	1	3	2	3				350	360	10				
				- minor hematite on shears throughout.		3Q,C	3	0	3	0	0	0	1	2	2	3				360	370	10				
				560-570 Fine grained monzonite dyke with upper contact chilled at 80°; interlayered with chloritic diorite section		3Q,K	2	0	2	0	0	0	1	2	3	2				370	380	10				
						3C,Q	2	0	2	0	0	0	1	1	3	3				380	390	10				
						2Q,C,K	2	0	2	0	0	0	1	2	3	3				390	400	10				
						2C,Q	1	0	2	1	0	0	1	1	3	3				400	410	10				
						4C,Q,K	1	0	2	2	0	0	1	2	2	3				410	420	10				
						3Q,C.	1	0	3	0	0	0	1	2	3	3				420	430	10				
						3C,Q	1	0	2	1	1	0	1	1	3	3				430	440	10				
						3Q,C	1	0	2	1	0	0	1	2	3	2				440	450	10				
						4Q,C.	2	0	3	1	2	0	1	1	3	2				450	460	10				
						3,Q,C,K	2	0	3	1	0	0	1	2	3	3				460	470	10				
						4C,Q	2	0	3	0	0	0	1	1	3	3				470	480	10				
						3Q,C	2	0	2	0	2	0	1	1	3	3				480	490	10				
						2Q,C	2	2	3	1	3	0	1	2	3	3				490	500	10				
						2Q,C	1	1	2	0	1	0	1	1	3	3				500	510	10				
						2Q,C,K.	2	1	2	1	1	0	1	1	3	3				510	520	10				
						2Q,C,K	1	0	3	1	1	0	0	1	3	3				520	530	10				
						2Q,C,K	1	0	3	2	2	0	1	1	3	3				530	540	10				
						3Q,C,K.	1	0	3	2	2	0	1	1	3	3				540	550	10				
						4C,Q,K.	2	0	3	2	2	0	1	1	3	3				550	560	10				
					MONZ	5CQ	3	0	3	4	3	0	1	1	3	3				560	570	10				
						3Q,C.	3	0	3	2	1	0	1	0	3	3				570	580	10				
					/CHL	2C,Q	2	0	4	0	1	0	1	1	3	3				580	590	10				
						2Q,C	3	0	3	1	0	0	0	1	3	3				590	600	10				
						3Q,C	2	0	3	0	0	0	0	0	2	2				600	610	10				
						3Q	2	0	3	0	0	0	1	0	1	3				610	620	10				
						1Q	3	0	3	1	1	0	1	0	0	2				620	630	10				
				CONTACT RELATION LOST IN MILKY QUARTZ VEINS.	Quartz	3Q	3	0	3	1	2	0	1	0	0	2				630	640	10				
					DIOR	2Q	2	0	3	0	1	0	1	0	0	1				640	650	10				
				651-825 CHERT/QUARTZITE/ARGILLITE (Bedding → 80°)	CHERT/ARG	1Q	0	0	1	0	0	0	1	0	0	0				650	660	10				
				- Section generally fine crystalline banded siliceous with white light grey to beige to black bands	"	2Q	0	0	1	0	0	0	1	0	0	0				660	670	10				
				- bands thought to represent bedding.		4Q	0	0	1	0	0	0	2	1	0	0				670	680	10				
				- milky white medium crystalline,		3Q	0	0	2	0	0	0	2	1	0	0				680	690	10				
				cross cutting quartz recognized as vein quartz if less than 1 foot and quartzite if greater than 1 foot.	Quartz	4Q **	1	0	2	0	0	0	2	1	0	0				690	700	10				
					"	5Q **	2	0	1	0	0	0	2	2	0	0				700	710	10				
					"	5Q	1	0	2	0	0	0	2	0	0	0				710	720	10				
				- interbanded with more argillaceous or foliated sections.	Quartz	3Q,B	2	1	2	0	0	0	3	1	0	0				720	730	10				
						2Q,B	2	2	1	0	0	0	3	1	0	0				730	740	10				
					CHERT	2Q,B	2	2	1	0	0	0	3	1	0	0			7307	740	750	10				

9773

DRILL HOLE RECORD

Collar	Inclination	Bearing

PROPERTY
Location
Elevation
Coordinates N / E

Length
Hor. Comp. / Vert. Comp.
Bearing
Begun / Completed
Core size / Recovery %

HOLE No. 81-4
Sheet 3 of 3
Logged by R.M. Burfield
Sampled by

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS per FOOT	ALTERATION S	B	C	K	E	MINERALIZATION Mo	Py	Cp	Ca	Mag	F	GRAPHIC	SAMPLES No.	From	To	Ft	ASSAYS Cu	MoS2	Au	Ag
				651-825 CHERT/QUARTZITE/ARGILLITE.														§								
				820-821 Altered aphitic equigranular intrusive dyke.	CHERT	2Q, Py	1	2	1	0	0	0	3	1	0	0		0° 90°	7308	750	760	10				
				-some of the aphite in this section is probably diagenetic especially in the argillite and chert.	↑	2Q, Py	1	2	1	0	0	0	2	0	0	0		45°		760	770	10				
						2Q, Py	1	2	1	0	0	0	2	0	0	0		§ 0°		770	780	10				
					Aphite	2Q, Py	1	1	1	0	0	0	2	0	0	0		0°		780	790	10				
					ARG.	2Q	1	0	1	0	0	0	2	1	0	0		10°		790	800	10				
					↓ QZITE	4Q	1	0	1	0	0	0	2	0	0	0		45°		800	810	10				
				Bedding 60° →	CHERT/ARG.	4Q	1	0	1	0	0	0	2	0	0	0		10°; 45°		810	820	10				
					QZITE/DYKE	3Q	2	0	3	1	2	0	2	0	0	0		10°; 7°	7315	820	825	5				
	825			END OF HOLE																						

9773

DRILL HOLE RECORD

Collar	-45°	360°
842'	-38°	≈360°

Location
Elevation 5230E
Coordinates 8400 S
23170 E

N
E

Hor. Comp. / Vert. Comp.
Bearing 360°
Begun 21/8/81 / Completed 26/8/81
Core size BQ / Recovery 93.3 %

Sheet 1 of 3
Logged by R.M. DURFIELD.
Sampled by B. DURFIELD.

FOOTAGE From	To	RECOV'Y Run	Core	DESCRIPTION	LITHOLOGY	VEINS per FOOT	ALTERAT S	B	C	K	E	MINERALIZATION Mo	Py	Cp	Ca	Mag	F	GRAPHIC VEIN ANGLE	SAMPLES No.	From	To	Ft	ASSAYS Cu	MoS_2	Au	Ag
				0-19 OVERBURDEN																						
				-casing left in hole.																						
				19-288 DACITE/CHERT	DAC	2C,Bx	1	0	1	0	0	0	2	0	2	2		30°60°	7316	20	30	10				
				-generally light grey to beige, to dark green and grey generally fine grained homogeneous felsic.		3Bx,C	1	1	2	0	0	0	2	0	2	2		0°45°		30	40	10				
						2Bx C	1	1	1	0	0	0	2	1	2	2		0°30°		40	50	10				
						2Bx C	2	1	2	0	1	0	2	0	2	2		0°30°		50	60	10				
				-hematitic sections more red.		2Bx C	2	1	2	0	1	0	2	0	2	2		30°45°		60	70	10				
				-sericite developed on matrix and shears. Hem on veins.		3C Bx	1	0	2	0	1	0	2	1	2	2		0°45°		70	80	10				
				-isolated secondary biotite as Grownmass on matrix.		3C	1	0	2	0	1	0	2	0	3	3		10°45°		80	90	10				
						2C	1	0	2	0	1	0	2	1	3	3		30°45°		90	100	10				
				-chlorite well developed in some shears		4C Bx	1	0	2	0	1	0	2	2	2	3		0°30°		100	110	10				
				- minor epidote on veins and matrix		2C BxQ	1	0	2	0	1	0	2	2	2	3		10°60°		110	120	10				
				-pyrite and minor chalcopyrite developed as disseminations on the matrix and well on shears. Hem on		2CQ Bx	1	0	2	0	0	0	1	2	3	3		30°70°		120	130	10				
						3QC Bx	2	0	3	0	1	0	2	2	3	2		30°45°		130	140	10				
						2QC	1	0	3	0	1	0	1	2	2	2		20°80°		140	150	10				
				- variable calcite developed disseminated fracturing on matrix and as veins.		1QC	1	0	2	0	2	0	1	2	2	1		0°		150	160	10				
						2Q Bx	1	0	2	0	2	0	2	2	0	2		30°80°		160	170	10				
				- variable magnetite disseminated throughout.		2Q	1	0	3	0	2	0	2	1	1	2		30°45°		170	180	10				
				- more siliceous sections in the dacite recognized as above.	/CHT	2QC	1	1	3	0	2	0	2	1	2	2		30°70°		180	190	10				
						2CQ	1	0	3	0	1	0	2	1	0	2		0°30°		190	200	10				
						2C	2	1	3	2	1	0	2	1	2	1		20°60°		200	210	10				
				280-288 Unit becomes more leucocratic altered with well developed quartz veining and vein breccia. 2' Qtz → heated Bx.		3QC	1	0	2	1	1	0	2	1	2	2		70°10°		210	220	10				
						3CQB	1	1	2	0	0	0	2	1	2	2		70°30°		220	230	10				
						4QC	1	1	2	1	1	0	2	2	1	1		60°30°60		230	240	10				
				3cm Qtz → vein.		3QC	1	1	2	0	1	0	2	0	1	2		0°30°		240	250	10				
						2Q	1	1	2	0	1	0	2	2	0	1		60°0°		250	260	10				
						3Q	1	1	2	0	1	0	2	0	0	1		45°70°		260	270	10				
						3Q	1	1	3	0	2	0	2	1	0	1		30°45°		270	280	10				
				2' Qtz → vein Bx.	Dac/Diorite	4Q **	2	1	3	2	1	0	2	1	0	0		70°20°		280	290	10				
				288' CONTACT RELATIONSHIP LOST IN QUARTZ VEIN BRECCIA AND SHEAR																						
				288-516 DIORITE PORPHYRY	Diorite	5Q **	3	0	2	2	3	0	2	4	0	1		0°70°		290	300	10				
				- irregular light grey to green sub-hedral to rounded feldspar grains in a pink beige to black felsic and mafic matrix.		5Q *	4	0	4	2	2	0	2	3	1	1		10°60°		300	310	10				
						4Q **	4	0	3	2	2	0	2	3	0	1		20°45°		310	320	10				
				- the green to milky zoning on the feldspars is thought to be due to variable alteration and shearing on the feldspars.		4QC	3	0	3	2	3	0	2	3	1	1		20°45°60		320	330	10				
						3CQ	2	0	3	0	2	0	2	2	1	0		0°45°		330	340	10				
						3QC	2	0	2	0	2	0	2	3	2	0		0°70°		340	350	10				
						4QCK	3	0	3	0	2	0	2	2	1	0		50°60°30°		350	360	10				
				- the feldspars are generally crowded in the fine matrix but there are sections of fine matrix where the porphyritic feldspars are absent.		4QC	3	0	3	0	1	0	1	3	2	2		10°30°		360	370	10				
						2Q	2	0	2	1	0	0	1	2	2	2		0°30°		370	380	10				
						4Q	2	0	2	1	0	0	2	2	2	2		0,30,60		380	390	10				
						5QC	3	0	3	1	2	0	2	3	2	2		20°0°70		390	400	10				
				- Hematite developed on veins and shears throughout. K-spar veins		5QCa	3	1	2	2	2	0	0	3	0	0		60°80°		400	410	10				
					Diorite	4Q	3	1	3	2	2	0	1	3	1	2		60°80°	7355	410	420	10				

9773

DRILL HOLE RECORD

Collar	Inclination	Bearing	PROPERTY
			Location
			Elevation
			Coordinates N / E

Length
Hor. Comp. / Vert. Comp.
Bearing
Begun / Completed
Core size / Recovery %

Hole No. DF-3
Sheet 2 of 3
Logged by R.M. DUMFIELD.
Sampled by

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS per FOOT	ALTERATION S	B	C	K	E	MINERALIZATION Mo	Py	Cp	Ka	Mg	F	GRAPHIC VEIN ANGLE
				288 - 516 DIORITE PORPHYRY (CONT)	DIOR	2QC	2	0	2	1	0	0	2	2	0	2		30, 20
				- 440 - 516.5' to 3 cm quartz veins forming	↓	2Q	1	0	2	1	0	0	1	2	0	2		0° 60°
				closer quartz and chalcopyrite disseminated		4Q	1	0	2	2	0	0	1	3	1	2		0° 45° 60°
				stockworks.		5Q	2	0	2	2	0	0	1	4	0	2		60° 30°
				467-470 Sheeted quartz vein fine Ba will →		6Q ///	2	0	3	2	1	0	1	4	0	2		45° 30°
				clear crystalline with disseminated		5Q	2	0	3	2	1	0	0	3	1	2		60° 10°
				pyrite at 90°.		4Q	2	0	3	1	0	0	0	3	2	1		10° 60°
				- variable sericite is developed as wisps		3Q	2	0	2	2	0	0	1	2	0	3		10° 45°
				in feldspars and matrix.		3Q	1	0	2	2	0	0	1	3	1	2		45°
				- variable chlorite is developed in matrix and	DIOR/TMONZ	6Q ///	4	2	3	4	2	0	1	4	0	1		30° 45°
				shears.														
				- K-spar is developed as veins up to 4cm and														
				in felsic matrix														
				- greening of feldspars is thought due to														
				epidote with kaolinite.														
				- chalcopyrite well developed in quartz veins														
				throughout with minor disseminated.														
				- trace bornite was noted in quartz vein.														
				516 CONTACT RELATIONSHIP MASKED BY														
				ALTERATION AND QUARTZ VEINS.														
				516 - 626 TRACHY - MONZONITE / SHEARED QUARTZITE	TMONZ	?Q ///	3	0	0	3	0	0	0	5	0	0		80° 30°
				/ CHLORITE	SCHT/TMONZ	?Q //	3	0	1	2	0	0	0	6	0	0		60°
				- generally milky aligned feldspar crystals	↓	?Q //	3	0	0	0	0	0	0	6	1	0		45°
				to 3mm in a fine beige to pink felsic	S-QTZ/TMONZ	?Q //	3	0	3	4	0	0	0	4	0	0		45°
				matrix, in part contains irregular mafic	TMONZ	2Q	3	0	3	3	0	0	0	2	0	1		30°
				to light green inclusions and matrix.	↑	2Q	2	0	3	4	0	0	1	2	0	1		30°
				531-554 Generally fine crystalline sheeted	CHL	1Q	4	0	4	2	0	0	1	1	0	1		20°
				quartz at 50° with minor included trachy-		1Q	4	0	4	2	0	0	1	1	1	2		45°
				monzonite that is sheared altered.		1Q	4	0	4	1	0	0	1	1	2	1		40°
				- good disseminated chalcopyrite throughout		1Q	4	0	4	2	0	0	1	2	2	2		30°
				this section which could run up to 1% Cu.	TMONZ/CHL	2Q	4	0	4	3	0	0	2	2	2	2		30° 10°
				- crossed by barren later milky quartz														
				veins.														
				- contact to monzonite lost in altered shear.														
				CHLORITE SECTIONS: are of included														
				altered sheared strongly chloritic core.														
				To one having similar texture to														
				underlying diorite. - and may just be														
				altered diorite.														
				- quartz veins in chloritic sections cut														
				by faults.														
				- alteration and mineralization intensities														
				numerically demonstrated to the right.														

SAMPLES No.	From	To	Ft	ASSAYS Cu	MoS2	Au	Ag
7356	420	430	10				
	430	440	10				
	440	450	10				
	450	460	10				
	460	470	10				
	470	480	10				
	480	490	10				
	490	500	10				
	500	510	10				
	510	520	10				
	520	530	10				
	530	540	10				
	540	550	10				
	550	560	10				
	560	570	10				
	570	580	10				
	580	590	10				
	590	600	10				
	600	610	10				
	610	620	10				
7376	620	630	10				

9773

DRILL HOLE RECORD

Collar	Inclination	Bearing

PROPERTY GJ
Location
Elevation
Coordinates N / E

Length
Hor. Comp. / Vert. Comp.
Bearing
Begun / Completed
Core size / Recovery %

HOLE No. 81-5
Sheet 3 of 3
Logged by R. M. DURFELD.
Sampled by

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS per Foot	ALTERATION S	B	C	K	E	MINERALIZATION Mo	Py	Cp	Ca	My	F	GRAPHIC	SAMPLES No.	From	To	Ft	ASSAYS Cu	MoS_2	Au	Ag
				626-842 DIORITE (SHEARED) QUARTZITIC and CHLORITIC	DIOR	3Q	1	0	1	1	1	0	1	1	1	1		10-30°	7371	630	640	10				
				- section generally comprised of up to 2mm anhedral (bistite) and fields, or irregular MONZ. part → grains in a fine equigranular felsic matrix. biotite porphyry contact @ 10°		4QCK	1	0	1	1	1	0	1	3	2	3		30°-45°		640	650	10				
						4QCK	1	0	2	3	3	0	2	3	2	3		30°-45°		650	660	10				
					MONZ	4QKC	1	0	1	4	1	0	1	3	2	3		0°-30°		660	670	10				
					DIOR	4QC	1	0	2	1	1	0	1	1	1	3		0°-30°		670	680	10				
				- generally variably altered by sericite, chlorite, epidote and k-spar as envelopes to veins and disseminated in matrix.	S-QTZ	QM	3	0	1	0	0	0	1	1	2	0		30°		680	690	10				
					DIOR	4QC	1	0	1	2	2	0	1	1	2	1		30°-60°		690	700	10				
						4QKC	1	0	2	1	1	0	1	1	1	2		60°-30°		700	710	10				
				818-842 CHLORITIC SECTION corresponds to strongly sheared and altered core. Wherein recognizable the primary texture is of the overlying diorite.	S-QTZ	QM	3	0	3	0	0	0	2	3	3	0				710	720	10				
						4QC	1	0	2	2	2	0	1	2	2	2		30-45°		720	730	10				
				- several sections of sheared quartzite were noted but with no significant copper mineralization.		SQC	1	0	1	1	2	0	1	1	2	2		75°-45°		730	740	10				
						4QCK	1	0	1	3	2	0	1	1	2	2		60°-30°		740	750	10				
						4QE	1	0	1	1	2	0	1	1	1	1		0°-60°		750	760	10				
						3QK	1	0	2	2	1	0	1	1	1	1		0°-30°		760	770	10			-	-
						3Q	1	0	2	2	1	0	1	1	1	1		30°-60°		770	780	10				
				- pyrite and chalcopyrite generally developed as veins and lesser disseminated.		4Q	1	0	2	2	2	0	2	1	1	0		10°-60°		780	790	10				
						3QKE	1	0	1	2	2	0	0	1	1	2		45°-70°		790	800	10				
						3QKE	1	0	1	2	2	0	1	1	1	1		10°-30°		800	810	10				
						SQ III	2	0	2	1	1	0	1	2	2	2		70°-30°		810	820	10				
					CHL	4QCH	3	0	3	1	1	0	1	2	2	1		30°-60°		820	830	10				
					DIOR. CHL	4Q	4	0	4	0	1	0	3	1	2	2			7397	830	842	12				
							4	0	5	0	1	0	1	1	2	2										
				842 - END OF HOLE.																						

9773

DRILL HOLE RECORD

	Inclination	Bearing
Collar	-45°	180°
997	-37°	≈180°

PROPERTY G.J.
Location
Elevation 5236 FEET
Coordinates 2100 NORTH N / 2480 EAST E

Length 997 FEET.
Hor. Comp. / Vert. Comp.
Bearing 180°
Begun 27/8/81 / Completed 1/9/81.
Core size BQ / Recovery 94.1 %

HOLE No. 81-6
Sheet 1 of 3
Logged by R.M. DURFELD
Sampled by R. DURFELD.

FOOTAGE From	To	RECOV'Y Run	Core	DESCRIPTION	LITHOL'Y	VEINS per FOOT	ALTERATION S	B	C	K	E	MINERALIZATION Mo	Py	Cp	Ga	Mag	F	GRAPHIC VEIN ANGLES	SAMPLES No.	From	To	FT.	ASSAYS Cu	MoS_2	Au	Ag
				0-37 OVERBURDEN.																						
				30 feet casing left in hole.																						
				37-177 DIORITE	DIOR	3C	2	0	2	0	0	0	1	1	2	1		30°,70°	7398	40	50	10				
				-iron oxide staining on fractures to 90 feet. Felsic →		3CQ	2	0	2	2	0	0	1	1	2	1		30°		50	60	10				
				-generally equigranular light green to vein Bx		3CQP	2	0	2	2	0	0	2	1	2	0		45°		60	70	10				
				brown to black mottled mafics and Felsic →		3C	2	0	2	2	0	0	1	1	2	0		30°		70	80	10				
				milky white to apple green feldspars vein Bx		2C	2	0	2	2	0	0	1	1	2	1		0°,30°		80	90	10				
				both fine grained to 2mm in a fine		2C	2	0	3	3	2	0	1	0	2	1		30°,45°		90	100	10				
				mottled equigranular felsic matrix.		2C	3	0	2	3	2	0	1	1	2	0		60°,30°		100	110	10				
				-primary mafics where recognizable seem		2C	2	1	2	3	2	0	1	0	2	0		60°,20°		110	120	10				
				to be biotite.		3C	2	1	2	2	1	0	1	0	2	0		60°,20°		120	130	10				
				-possibly some secondary brown biotite		2C	2	1	3	2	1	0	1	0	2	0		30°		130	140	10				
				noted.		1C	2	1	3	2	1	0	0	1	2	1		45°,90°		140	150	10			-	-
				-variable sericite noted as milky throughout		2C	3	1	3	2	1	0	1	1	2	2		30°,60°		150	160	10				
				-chloritic on shears and mafics	↓	3CK	2	1	3	3	1	0	1	0	2	1		30°,60°		160	170	10				
				-K-spars developed at veins and matrix	DIOR/QZITE	3QC	4	2	3	0	3	0	1	0	1	0		45°,30°		170	180	10				
				-epidote recognized as apple greening on																						
				feldspars - kaolinite?																						
				-apatite and chalcopyrite only in trace																						
				amounts as disseminated and on veins.																						
				-calcite developed on veins + matrix																						
				throughout.																						
				-minor magnetite throughout as disseminated.																						
				177' SHEARED CONTACT AT 45°																						
				177-345 QUARTZITE/BRECCIA	QZITE/DIOR	?Q	4	3	2	0	0	0	0	0	1	0		30°,20°		180	190	10				
				-generally sugar textured medium		Q	1	3	1	0	0	0	0	1	0	0		0°,30°		190	200	10				
				crystalline quartz that in part		Q	4	3	2	0	0	0	2	2	0	0		30°,45°		200	210	10				
				has a fine milky felsic ? or sericitic	DAC	Q	4	2	3	0	0	0	2	1	0	0		45°		210	220	10				
				matrix.	DAC	Q	6	3	5	0	0	0	1	0	0	0		30°,60°		220	230	10				
				- has included sections of altered diorite	DIOR	Q	5	2	2	0	0	0	1	1	0	0		60°,30°		230	240	10				
				and fine grained felsic. bonded volcanic	BX	QB	5	3	4	0	0	0	1	1	0	0		30°		240	250	10				
				generally the alteration as biotite-sericite	BX	Q	5	5	3	0	0	0	1	2	0	0		30°		250	260	10				
				and quartz is so strong that all primary		QB	5	4	3	0	0	0	1	1	0	0		45°,0°		260	270	10				
				textures are often erased.		Q	5	2	3	0	0	0	1	0	0	0		30°,70°		270	280	10				
				BRECCIA sections comprised of angular	BX	QC	5	3	4	0	0	0	1	1	1	0		45°		280	290	10				
				quartzite and altered fragments in a	BX	Q	5	2	3	0	0	0	1	1	0	0		45°,30°		290	300	10				
				milky quartz matrix - in part a	QBX/DIOR	3QK	4	1	4	3	3	0	1	0	0	0		30°,45°		300	310	10				
				vein breccia.	DIOR	4QK	4	3	5	2	3	0	1	0	0	1		0°,30°		310	320	10				
				305-345 MIXED ZONE OF ALTERED	DAC	4QB	4	4	4	0	3	0	1	1	0	0		80°,45°		320	330	10				
				VOLCANIC, DIORITE and QUARTZITE. Bdg 40° →	DIOR	6QB	4	3	5	0	3	0	1	1	0	0		30°,60°	7428	330	340	10				
				Graphitic →	DIOR/QZITE	2Q	4	3	5	0	3	0	1	1	0	1				340	350	10				
				Shears @ 45°																						

9773

DRILL HOLE RECORD

	Inclination	Bearing
Collar		

PROPER GJ
Location
Elevation
Coordinates N
E

Length
Hor. Comp. / Vert. Comp.
Bearing
Begun / Completed
Core size / Recovery %

HOLE No. 81-6
Sheet 2 of 3
Logged by R.M. DURFELD.
Sampled by R. DURFELD.

FOOTAGE From	To	RECOV'Y Run	Core	DESCRIPTION	LITHOL'Y	VEINS per FOOT	ALTERATION S	B	C	K	E	MINERALIZATION Mo	Py	Cp	Ca	Mg	F	GRAPHIC VEIN ANGLE	SAMPLES No.	From	To	Ft	ASSAYS Cu	MoS_2	Au	Ag
				345'-817' DIORITE / DACITE / QUARTZITE:	DIOR	5QK	3	4	5	4	3	0	1	1	0	2		55	7429	350	360	10				
				- interbanded contact at 60°		5QK	3	3	5	4	3	0	0	1	0	2		45° 30°		360	370	10				
				345'-430' STRONGLY ALTERED DIORITE		4Q	5	2	5	3	3	0	1	1	0	2		45°		370	380	10				
				WITH DACITE & QUARTZITE SECTIONS.	/ DAC	4QK	5	3	5	3	3	0	1	0	1	0		30° 45°		380	390	10				
				- generally equigranular light green, tan brown to black mottled matrix and	DIOR / DAC	5QK XX	5	3	5	4	3	0	2	2	1	0		60° 30°		390	400	10				
				milky white to apple green feldspars	Vein → DAC / DIOR	6QB	5	4	5	0	3	0	1	1	1	0		60° 30°		400	410	10				
				both fine grained to 2mm in a fine	Bx. Shear → DIOR / DAC	3Q	5	3	5	4	3	0	1	0	1	1				410	420	10				
				mottled equigranular felsic matrix.	Contact. ↑ / QTZ	2QK	5	3	5	3	3	0	1	0	1	1		25° 45°		420	430	10				
				- matrix generally chloritic - where less	Qtz matrix →	3QKC	2	2	3	3	2	0	2	0	3	2		30°		430	440	10				
				altered seem to be biotite.		4QK	2	1	3	3	3	0	2	1	3	2		45° 90°		440	450	10				
				- Secondary Sericite recognized		3QKG	2	1	3	3	3	0	1	1	3	2		10° 70°		450	460	10				
				as matrix and veins.	Aphanitic veins	3QKC	2	0	3	3	3	0	1	1	3	2		45°		460	470	10				
				- vuggy silica noted as veining and		3KQC	2	0	2	3	2	0	1	1	3	2		45° 80°		470	480	10				
				closing of matrix.		2KQ	1	2	2	2	2	0	1	2	3	2		30° 45°		480	490	10			-	-
				- K-spar noted as veins and in matrix		2KQK	2	2	2	2	1	0	1	1	3	3		30° 80°		490	500	10				
				- pyrite and chalcopyrite mainly in clear		3QKC	2	1	2	2	0	0	1	1	3	2		30° 45°		500	510	10				
				quartz veins and lesser disseminated.		3KQ	1	1	2	2	0	0	1	1	3	3		30° 60°		510	520	10				
				- hematite on shear veins and matrix		3KQ	2	2	3	2	2	0	0	1	3	2		60°		520	530	10				
				throughout.		3QC	2	1	3	2	2	0	1	1	3	2		30° 60°		530	540	10				
				654'-658' CALCITE / BRECCIA HEALED TECTONIC		3KQ	2	2	3	3	2	0	1	2	3	3		30° 45°		540	550	10				
				BRECCIA		3QK	2	2	3	2	2	0	2	1	3	2		30° 60°		550	560	10				
				- also quartz and pyrite fragments	/ CHL	3KQ	4	1	5	1	3	0	2	1	3	2		30° 60°		560	570	10				
				with dacitic and diabitic fragments	/ CHL	4QC	3	2	4	0	2	0	1	1	3	3		30° 0°		570	580	10				
						4QC	1	1	2	3	2	0	1	2	3	3		60° 30°		580	590	10				
						4QC	3	1	3	2	2	0	1	1	3	3		70° 30°		590	600	10				
						3QKC	3	3	3	3	2	0	1	3	3	3		45° 30°		600	610	10				
						5QK	3	2	3	3	2	0	1	3	3	3		70° 30°		610	620	10				
						4QK	2	2	4	3	3	0	2	1	3	3		70° 30°		620	630	10				
					Calcite healed breccia	4KQ	2	0	2	3	2	0	2	1	3	2		60° 30°		630	640	10				
					Bx	2QQK	3	0	4	2	3	0	3	3	3	0		70° 30°		640	650	10				
						2QQ	3	2	3	2	3	0	3	3	2	1		60° 50°		650	660	10				
						3QQ	2	3	3	0	3	0	2	2	2	2		70°		660	670	10				
						3QQ	2	3	3	0	4	0	3	2	3	3		30° 80°		670	680	10				
						3QK	1	3	3	2	3	0	2	2	3	3		80° 45° 30°		680	690	10				
						4KQC	2	2	3	3	3	0	2	2	0	3		90° 30°		690	700	10				
						4KQ	2	2	2	3	3	0	2	2	1	3		30° 80°		700	710	10				
						5QKC	2	3	2	3	2	0	1	3	1	3		60° 30° 80°		710	720	10				
				CONTACT CURVED ON QUARTZ		4QK	2	3	3	2	3	0	2	2	1	3		80° 30°		720	730	10				
				VEIN AT 60°.		4KQ	1	3	2	2	3	0	2	2	1	3		45° 80°		730	740	10				
						4QC	1	2	2	2	2	0	1	2	1	2		60° 45°		740	750	10				
					3' MONZ → / MONZ	3Q	2	2	3	4	3	0	1	2	2	2		30° 70°		750	760	10				
					DYKE @ 40°	2QC	1	2	2	2	3	0	1	1	1	3		30° 70°		760	770	10				
						3QC	1	2	2	2	2	0	0	1	2	3		30° 60°		770	780	10				
					3" MONZ → VEIN.	4QK	1	3	2	3	3	0	0	2	2	3		60° 75°		780	790	10				
						5QKC	1	2	2	2	2	0	1	2	1	3		50° 30°		790	800	10				
					/ DIOR / MONZ	6QK	1	3	3	4	3	0	1	3	3	3		45° 30°		800	810	10				
																		40° 60°	7475	810	820	10				

9773

DRILL HOLE RECORD

	Inclination	Bearing
Collar		

PROPERTY GJ
Location
Elevation
Coordinates N / E

Length
Hor. Comp. / Vert. Comp.
Bearing
Begun / Completed
Core size / Recovery %

HOLE No. 81-6
Sheet 3 of 3
Logged by R.M. DUREAU
Sampled by

FOOTAGE From	To	RECOV'Y Run	Core	DESCRIPTION	LITHOL'Y	VEINS per FOOT	ALTERATION S	B	C	K	E	MINERALIZATION Mo	Py	Cp	Ca	Mag	F	GRAPHIC	JOINT ANGLE	SAMPLES No.	From	To	FT.	ASSAYS Cu	MoS_2	Au	Ag
				817-914 TRACHYTIC MONZONITE/ANDESITE	TMONZ/AND	2QK	5	0	4	4	3	0	1	2	3	2			30°60°	9478	820	830	10				
				825-834 Fine grained green to dark purple andesite dyke with lower contact 3cm. @ 30°		2QK	3	0	3	3	2	0	1	1	2	3			60°30°		830	840	10				
						3QC	3	0	3	3	3	0	1	2	2	3			60°30°		840	850	10				
				Cox @ 10° and 50°		3QC	3	0	4	5	3	0	1	2	2	3			70°45°		850	860	10				
				875-881 Fractured section of diorite		2QC	3	0	4	5	3	0	1	2	3	3			30°70°		860	870	10				
				-generally milky white to olive green sub-lathoral part aligned feldspars to 2mm and irregular dark green matic clots to 5mm in a fine grained mottled pinkish felsic matrix.	DIOR	3CQ	3	0	5	3	3	0	2	1	2	3			60°30°		870	880	10				
						3QC	3	0	4	4	3	0	1	2	3	3			60°30°		880	890	10				
						4CQ	3	0	4	4	3	0	1	2	3	3			60°45°		890	900	10				
						4QKC	3	0	4	4	2	0	1	2	3	3			60°30°		900	910	10				
					TMONZ/DIOR	5QC	3	2	4	4	3	0	1	2	3	3			30°60°		910	920	10				
				-sericite as milky or feldspars and matrix.																							
				-chlorite in matrix and stems.																							
				-potassic feldspar as flooding in matrix and veins in part may be primary.																							
				-epidote as greening in feldspars may be kaolinite?																							
				-calcite in matrix and veins.																							
				-magnetite fine disseminated throughout.																							
				-minor chalcopyrite and trace pyrite in quartz veins and disseminated throughout.																							
				LOWER CONTACT SHEARED AT 30°.																							
				914-997 DIORITE	DIOR	4QK	1	2	3	2	0	0	2	2	3	3			30°70°		920	930	10				
				-irregular brown to black biotite grains in a light grey to green fine grained felsic matrix.	15cm Qtz → calcite vein with cpy @ 45°	4QK	1	2	3	2	0	0	2	3	3	3			50°80°		930	940	10				
						4QK	1	2	3	2	0	0	1	2	3	3			30°70°		940	950	10				
				-pink k-spar selections generally as envelopes on quartz veins.	Bx with dis Cpy →	4QK	1	2	5	3	0	0	1	3	3	3			70°30°		950	960	10				
				-950-960- Qtz veins generally seem to be aligned chloritic sheared section at 70°.		5QK	1	2	3	3	3	0	0	3	3	3			60°30°		960	970	10				
						4QKC	1	2	3	2	2	0	0	3	3	4			70°40°		970	980	10				
						5QK	1	2	2	2	1	0	1	2	3	3			60°30°		980	990	10				
				-sericite as minor milking of matrix.	DIOR	4QC	0	2	2	0	0	0	1	2	3	3			60°30°	7493	990	997	7				
				-brown biotite in matrix.																							
				-chlorite in stems and matrix																							
				-pyrite and chalcopyrite in quartz veins and lesser disseminated.																							
				-isolated bornite was noted.																							
				-hematite in stems and matrix.																							
				997 END OF HOLE.																							

9773

DRILL HOLE RECORD

	Inclination	Bearing
Collar		

PROPERTY G.J.
Location
Elevation
Coordinates N / E

Length
Hor. Comp. / Vert. Comp.
Bearing
Begun / Completed
Core size / Recovery %

HOLE No. 81-7
Sheet 2 of 3
Logged by R.M. DURFELD
Sampled by B DURFELD.

FOOTAGE From	To	RECOV'Y Run	Core	DESCRIPTION	LITHOL'Y	VEINS per FOOT	ALTERATION S	B	C	K	E	MINERALIZATION Mo	Py	Cp	Ga	Mag	F	GRAPHIC VEIN ANGLE	SAMPLES No.	From	To	Ft	ASSAYS Cu	MoS_2	Au	Ag
				197-502 DACITE (continued).	DAC	4QC.	3	3	3	2	2	0	2	4	2	2		50 0°-60°	1526	340	350	10				
				357-360 - Breccia with fine light green clay matrix with 45° contacts.		3QS	4	3	4	2	2	0	2	2	1	1		55 60°-45°		350	360	10				
				-360 - Thought to possibly represent a bistile hornfels zone.	Quartz.	3QS.	2	3	2	2	2	0	2	2	0	0		55 60°-70°		360	370	10				
						4QS	3	3	3	2	2	0	1	1	1	0		55 70°-45°		370	380	10				
						4QS	3	3	3	2	2	0	2	2	0	0		5 80°-30°		380	370	10				
						6QS XX	3	4	2	2	2	0	3	3	1	0		5 45°-0°		370	400	10				
				430-500 DACITE CUT BY SECTIONS OF MONZONITE/ALTERED MONZONITE /QUARTZITE.	Massive Cpy vein	5QS	3	4	2	2	2	0	2	3	0	0		45°-10°		400	410	10				
						5QS XX	3	4	3	2	2	0	2	3	0	0		45°-20°		410	420	10				
					Turquoise green on fractures.	DAC 6Q XXX	2	4	3	2	4	0	2	3	0	0		45°-90°-20°		420	430	10				
				quartz veining is well developed in this section with some good stockworks and sheeted veining. - well mineralized in chalcopyrite.		MONZ/DAC 6Q	3	3	3	4	2	0	2	3	0	0		30°-60°-80°		430	440	10				
						MONZ/DAC 7Q ///	3	2	3	4	2	0	1	3	0	0		5 60°-30°		440	450	10				
						DAC/MONZ 5Q	4	2	4	3	3	0	1	4	0	0		30°-60°		450	460	10				
						MONZ 7QS XX	5	2	4	2	3	0	2	4	0	0		5 60°-45°		460	470	10				
				436-446 Monzonite dyke - contact relation lost in quartz veins.		QTZITE/MONZ 6QS XX	5	2	4	2	1	0	2	3	0	0		55 20°-0°		470	480	10				
						/MONZ 4QS ///	4	0	4	2	0	0	2	5	0	0		80°-45°		480	490	10				
				456-472 Altered Monzonite. - Extremely altered and sheared section.	Pink black fine crystall ine qtz.	QTZITE 10Q ///	2	0	2	2	0	0	1	4	0	0		80°		490	500	10				
				502-528 SECTION OF LIGHT OLIVE GREEN TO BEIGE CLAY AND GOUGE WITH AXIS APPROXIMATELY PARALLEL TO THE CORE AXIS. - Section mineralized in chalcopyrite and pyrite. - parts of this section are mylonitic	CHL.	Bx.	5	0	5	2	5	0	2?	2?	0	0		50°		500	510	10				
						Bx	5	0	5	2	5	0	2?	3?	0	0				510	520	10				
					CHL/MONZ Bx	8?QXX	5	0	5	2	5	0	2?	2?	0	0		35°		520	530	10				
				528-805 MONZONITE/DIORITE/DACITE/CHLORITE. - upper contact relationship lost in shears. - forward upper contact with a fine grained beige to light green felsic breccia which at 534' grades into an equigranular intrusive. CHLORITE. 550-558 Generally strongly altered sheared section of core with veins by monzonite with contact at 45°. CHLORITE - sections same as 502-528 generally altered healed fault gouge and breccia.	DAC/DIOR	4QXX	3	2	3	2	3	0	2	2	0	0		70° 45°		530	540	10				
					DAC/DIOR	3QS	4	2	4	3	3	0	1	2	0	0		5 35°-30°		540	550	10				
					CHL/MONZ	2Q ///	4	2	4	3	3	0	1	2	0	0		45 40°-80°		550	560	10				
					MONZ/Bx	4QX	3	0	3	4	2	0	0	2	0	0		60°-30°		560	570	10				
					Bx	5QXS //	4	0	2	4	2	0	1	3	0	0		60°-30°		570	580	10				
						4QS	4	0	2	3	2	0	2	3	0	0		5 60°		580	590	10				
					Bx/QTZITE	5QSXX	4	0	3	4	2	0	1	2	0	0		70°-30°		590	600	10				
						7QS //	3	0	3	4	2	0	0	2	0	0		75°-70°		600	610	10				
						4Q	2	0	3	4	2	0	1	1	0	0		60°		610	620	10				
						5QS XX	4	0	2	4	1	0	1	2	1	0		60°-20°		620	630	10				
					MONZ	4QX	3	0	3	4	2	0	2	2	1	0		60°-30°		630	640	10				
					CHL/Bx	?	5	0	5	0	2	0	2	2?	0	0				640	650	10				
					CHL/MONZ	?	5	0	5	2	3	0	2	3?	0	0		5		650	660	10				
				672-700 MONZONITE BRECCIA - healed with fine grained felsic orthoclase syenite. Shear plane 20°	MONZ/CHL		5	0	5	2	3	0	2	3?	0	0		60°-30°		660	670	10				
					MONZ/CHL	3QS	5	0	5	2	3	0	2	2	0	0		30°-10°		670	680	10				
					CHL/MONZ		5	0	5	3	2	0	3	2	0	0		55		680	690	10				
				MONZONITE - the monzonite is generally composed of milky	MONZ/CHL	2SQ	4	0	3	3	0	0	2	2	0	0		30°-45°		690	700	10				
					MONZ/CHL	S	4	0	3	4	0	0	2?	2?	0	0				700	710	10				
					MONZ/CHL	S	4	0	4	3	0	0	2	2	0	0		55	7363	710	720	10				

9773

DRILL HOLE RECORD

	Inclination	Bearing
Collar	-60°	180°
805'	-59°	≈180°

PROPERTY G.J.
Location
Elevation 5207 FEET.
Coordinates 2+00 SOUTH N
18+40 EAST. E

Length 805 FEET.
Hor. Comp. / Vert. Comp.
Bearing 180°
Begun 3/9/81 / Completed 6/9/81
Core size BQ / Recovery 85.1 %

HOLE No. 81-7
Sheet 1 of 3
Logged by R.M. DURFELD
Sampled by R. DURFELD.

FOOTAGE From	To	RECOV'Y Run	Core	DESCRIPTION	LITHOL'Y	VEINS per FOOT	ALTERATION S	B	C	K	E	MINERALIZATION Mo	Py	Cp	Ca	Chy	F	GRAPHIC VEIN ANGLE	SAMPLES No.	From	To	Ft	ASSAYS Cu	MoS2	Au	Ag
				0-20 OVERBURDEN																						
				20' casing left in hole.																						
				20-198 MONZONITE/DIORITE/BRECCIA/CHLORITIC	MONZ	4QS	3	0	1	3	2	0	1	1	0	0		45°70°	7494	20	30	10				
				-generally sub-trachoid to rounded clear to	↑	5SKQ	3	0	1	3	2	0	1	1	0	0		30°60°		30	40	10				
				light green feldspar grains to 1mm in a		5QSCa	3	0	1	3	2	0	1	2	0	0		70°		40	50	10				
				beige pink to light gray equigranular		4S	5	0	3	3	2	0	1	1	0	0		30°		50	60	10				
				felsic mottled matrix.		4SQ	5	1	4	3	2	0	1	2	0	0		30°45°		60	70	10				
				-sooty black fine disseminated mineral		3SQ	3	1	3	3	2	0	2	2	0	0		45°60°		70	80	10				
				possibly chalcocite, developed throughout.	DIOR	4SQCh	5	0	4	3	2	0	2	1	0	0		30°45°		80	90	10				
				-Sub-trachoid mottled light to dark green		2QS	3	1	2	3	2	0	2	0	1	1		70°30°		90	100	10				
				inclusions to 5mm randomly distributed	Bx	4SQ	3	1	3	2	2	0	2	1	1	0		0°45°		100	110	10				
				throughout. Generally fine grained.		3QS	2	1	3	2	2	0	2	1	1	0		60°30°		110	120	10				
				138-147 GROUND CORE ONLY 10% RECOVERY.		4SQ	2	1	2	3	1	0	1	1	0	0		30°70°		120	130	10				
				-variable alteration throughout. Kaolinite → on shear.		4SQ	2	0	3	2	2	0	2	2	0	0		45°60°		130	140	10				
				-hematite on veins and shears.		2S	2	1	2	2	2	0	1	0	0	1		0°45°		140	150	10				
				-chalcopyrite on quartz veins and minor	Bx	2SQ	2	2	2	2	2	0	1	0	0	0		45°60°		150	160	10				
				disseminated. Vein Bx →		3QS	3	0	3	3	2	0	2	2	0	0		30°60°		160	170	10				
				-Epidote commonly used for greening of feldspars	↓	4QS	3	0	2	3	2	0	2	1	0	0		45°60°		170	180	10				
				and matrix.	MONZ/CHL	3SQ XX	3	0	4	3	2	0	1	1	0	0		30°0°		180	190	10				
				-Ch- symbol on vein type is chloride																						
				- S- symbol on vein type is sericite - more																						
				milky softer non calcareous vein type,																						
				probably felsic or quartz sericite.																						
				-whole section generally well sheared with																						
				sericite and chlorite healed.																						
				190-197 ENTOMBED CONTACT ZONE,																						
				IN PART CHLORITIC HEALED BRECCIA.																						
				197-502 DACITE	DAC/CHL	4ChS	4	0	4	3	2	0	1	1	2	0		40°								
				-generally fine grained homogeneous	↑	CHL 2QC	2	1	3	2	2	0	2	1	3	0		45°		190	200	10				
				light beige to dark green section of		2CQ	3	2	4	1	3	0	2	1	3	0		45°		200	210	10				
				core. Vein massive py →		2QC.	3	1	4	1	3	0	3	1	3	0		30°		210	220	10				
				-where fragments recognizable generally Healed →		3QC.	3	1	4	0	2	0	2	2	3	0		40°		220	230	10				
				rounded and bedded. fault gouge		CHL ?Q	3	2	4	0	3	0	2	2	2	1		45°0°		230	240	10				
				-section generally strongly sheared and		2QC	2	2	4	0	2	0	2	2	2	0		45°		240	250	10				
				faulted.		1CQ	3	1	4	2	0	0	1	2	3	0		45°0°		250	260	10				
				-variable alteration generally strongest Cpy dis →		5QK	2	1	2	1	0	0	1	3	3	0		70°0°		260	270	10				
				near shears. and/or Qtz vein		4QC	1	1	3	1	2	0	1	2	3	1		30°60°		270	280	10				
				-minor pyrite disseminated throughout Bdg 20° →		4QC	1	2	2	2	2	0	2	3	3	2		0°45°		280	290	10				
				with lesser chalcopyrite on quartz veins		4QC	2	2	3	3	2	0	1	2	1	1		30°0°		290	300	10				
				and disseminated		3QC	2	2	3	2	2	0	2	2	2	0		60°0°		300	310	10				
						3CQ	2	3	3	3	2	0	3	2	1	1		30°60°		310	320	10				
					↓													60°0°		320	330	10				
					DAC	3CQ.	2	3	3	2	2	0	3	2	2	2		30°60°	7525	330	340	10				

9773

DRILL HOLE RECORD

Collar	Inclination	Bearing

PROPERTY GJ
Location
Elevation
Coordinates N / E

Length
Hor. Comp. / Vert. Comp.
Bearing
Begun / Completed
Core size / Recovery %

HOLE No. 81-7
Sheet 3 of 3
Logged by R.M. DUREAU.
Sampled by

FOOTAGE From	FOOTAGE To	RECOV'Y Run	RECOV'Y Core	DESCRIPTION	LITHOL'Y	VEINS per METRE	ALTERATION S	B	C	K	E	MINERALIZATION Mo	Py	Cp	Ga	Mg	F	GRAPHIC	SAMPLES No.	From	To	M	ASSAYS Cu	MoS_2	Au	Ag
				528-805 (continued)..	MONZ	30Q	4	0	3	3	2	0	1	1	0	0		60°-90°	7564	720	730	10				
				crystals to 3mm thick are sometimes	MONZ	35Q	3	0	2	3	0	0	2	2	0	0		30°-60°		730	740	10				
				brecciated in zones to 1 cm wide. Felsic matrix 741-748 GREEN →		45Q	4	0	3	3	3	0	2	1	0	0		60°-30°		740	750	10				
				- scatt. black mineral disseminated throughout. ALTERED.		25Q	3	0	3	3	2	0	1	1	0	0		70°-30°		750	760	10				
				- chalcopyrite associated with quartz veins.	MONZ	35Q	3	0	3	3	2	0	2	1	0	0		90°-70°		760	770	10				
				776 805' CHLORITE-SERICITE healed fault gouge - and altered.	MONZ/CHL	QS	4	0	4	3	2	0	2	1	1	0		45°-30°		770	780	10				
				Grey on → qtz fragments	CHL	QS	5	0	5	2	3	0	1	1	1	0				780	790	10				
					CHL	QS	5	0	5	2	3	0	1	1	1	0			7571	790	805	15				
				805' END OF HOLE.																						

9773

APPENDIX C

ASSAY CERTIFICATES

To: CANOREX INTERNATIONAL,
510, 840 - 6th Avenue S.W.,
Calgary, Alberta

ATTN: Mike McInnis

File No. 22206
Date September 16, 1981
Samples Core

Certificate of ASSAY

LORING LABORATORIES LTD.

RECEIVED
SEP 16 1981

Page # 1

SAMPLE No.	OZ./TON GOLD	OZ./TON SILVER	% Cu	% MoS2
"Core Samples" GJ-81-1				
7001-B	.005	.36	.02	.006
7002-B	.010	.18	.02	.004
7003-B	Trace	.26	.02	.004
7004-B	Trace	.08	.03	.003
7005-B	.020	.14	.02	.003
7006-B	Trace	.68	.02	.003
7007-B	Trace	.18	.02	.003
7008-B	.010	.08	.03	.005
7009-B	Trace	.06	.04	.007
7010-B	Trace	.08	.02	.007
7011-B	.020	.38	.03	.005
7012-B	Trace	.04	.02	.007
7013-B	Trace	.02	.04	.004
7014-B	.020	.02	.05	.005
7015-B	.020	.12	.07	.004
7016-B	.080	.10	.05	.004
7017-B	Trace	.50	.10	.003
7018-B	Trace	.12	.03	.003
7019-B	Trace	.02	.04	.003

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

Assayer

To: CANOREX INTERNATIONAL,
510, 840 - 6th Avenue S.W.,
Calgary, Alberta

ATTN: Mike McInnis

File No. 22206
Date September 16, 1981
Samples Core

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	OZ./TON GOLD	OZ./TON SILVER	% Cu	% MoS2
7020-B	.010	.16	.05	.003
7021-B	Trace	.10	.05	.003
7022-B	Trace	.04	.02	.011
7023-B	Trace	.04	.02	.008
7024-B	Trace	.06	.04	.004
7025-B	Trace	.08	.05	.004
7026-B	Trace	.56	.03	.010
7027-B	.020	.54	.03	.015
7028-B	Trace	.06	.05	.022
7029-B	.020	.10	.07	.021
7030-B	Trace	.08	.03	.003
7031-B	Trace	.06	.04	.005
7032-B	Trace	.08	.04	.005
7033-B	.010	.28	.07	.009
7034-B	.010	.10	.06	.004
7035-B	.010	.46	.06	.006
7036-B	.010	.12	.08	.007
7037-B	.020	.50	.17	.004
7038-B	.020	.20	.27	.003
7039-B	.020	.58	.52	.004
7040-B	.020	.50	.38	.003

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510, 840 - 6th Avenue S.W.,
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ATTN: Mike McInnis

File No. 22206
Date September 16, 1981
Samples Core

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LORING LABORATORIES LTD.

SAMPLE No.	OZ./TON GOLD	OZ./TON SILVER	% Cu	% MoS2
7041-B	.010	.04	.23	.003
7042-B	.010	.08	.25	.007
7043-B	.020	.42	.16	.005
7044-B	Trace	.12	.15	.005
7045-B	.010	.14	.22	.003
7046-B	.005	.04	.11	.003
7047-B	.005	.02	.22	.003
7048-B	.005	.04	.14	Trace
7049-B	.020	.14	.24	.005
7050-B	.020	.06	.27	.005
7051-B	.010	.02	.10	.004
7052-B	.010	.06	.17	.004
7053-B	.005	.14	.18	.005
7054-B	.010	.10	.19	.003
7055-B	.030	.48	.27	.004
7056-B	.010	.52	.12	.004
7057-B	.010	.10	.17	.004
7058-B	.020	.34	.23	.004
7059-B	.010	.04	.18	.006
7060-B	.020	.58	.20	.006
7061-B	.020	.76	.17	.006

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Assayer

To: CANOREX INTERNATIONAL,
510, 840 - 6th Avenue S.W.,
Calgary, Alberta

ATTN: Mike McInnis

File No. 22206
Date September 16, 1981
Samples Core

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	OZ./TON GOLD	OZ./TON SILVER	% Cu	% MoS2
7062-B	.020	.14	.18	.005
7063-B	.020	.50	.20	.005
7064-B	.010	.54	.26	.005
7065-B	.005	.50	.37	.007
7066-B	Trace	.56	.23	.005
7067-B	.010	.56	.13	.005
7068-B	.030	.66	.14	.006
7069-B	.005	.04	.06	.004
7070-B	.020	.48	.07	.006
7071-B	.010	.10	.07	.004
7072-B	.020	.06	.07	.004
7073-B	.030	.42	.10	.005
7074-B	.020	.08	.08	.005
7075-B	.010	.40	.07	.004
7076-B	.010	.06	.09	.006
7077-B	.020	.04	.07	.004
7078-B	.010	.06	.07	.004
7079-B	.010	.04	.07	.003
7080-B	.030	.10	.10	.003
7081-B	.020	.04	.06	.003
7082-B	.010	.06	.06	.004

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Assayer

To: CANOREX INTERNATIONAL,
510, 840 - 6th Avenue S.W.,
Calgary, Alberta

ATTN: Mike McInnis

File No. 22206
Date September 16, 1981
Samples Core

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	OZ./TON GOLD	OZ./TON SILVER	% Cu	% MoS2
7083-B	.030	.38	.07	.004
7084-B	.020	.04	.12	.004

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Pulps Retained one month unless specific arrangements made in advance.

Assayer

To: CANOREX INTERNATIONAL,
510, 840 - 6th Avenue S.W.,
Calgary, Alberta

ATTN: Mike McInnis

File No. 22258
Date October 1, 1981
Samples Core
Project: GJ

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	OZ./TON GOLD	OZ./TON SILVER	% Cu
"Core Samples" GJ 81-2			
7085	Trace	.06	.05
7086	Trace	.24	.05
7087	Trace	.22	.06
7088	.004	.02	.06
7089	.020	.12	.07
7090	.028	.06	.16
7091	Trace	.04	.10
7092	Trace	.02	.10
7093	Trace	.08	.12
7094	Trace	.06	.12
7095	Trace	.08	.03
7096	Trace	.40	.06
7097	Trace	.10	.12
7098	Trace	.06	.12
7099	.030	.26	.15
7100	Trace	.12	.04
7101	Trace	.22	.15
7102	Trace	.18	.09

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

A. J. McLeod

Assayer

To: CANCREX INTERNATIONAL,
510, 840 - 6th Avenue S.W.,
Calgary, Alberta

ATTN: Mike McInnis

File No. 22258
Date October 1, 1981
Samples Core
Project: GJ

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	OZ./TON GOLD	OZ./TON SILVER	% Cu
7103	.012	.24	.13
7104	Trace	.10	.11
7105	.014	.16	.18
7106	Trace	.04	.08
7107	Trace	.08	.06
7108	Trace	.02	.09
7109	Trace	.06	.06
7110	Trace	.02	.05
7111	Trace	.20	.08
7112	Trace	.04	.08
7113	Trace	.14	.09
7114	Trace	.06	.06
7115	Trace	.04	.05
7116	Trace	.02	.06
7117	Trace	.02	.07
7118	Trace	.02	.18
7119	Trace	.06	.11
7120	.004	.04	.17
7121	Trace	.02	.08
7122	Trace	.06	.07
7123	Trace	.02	.14

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Pulps Retained one month unless specific arrangements made in advance.

Assayer

To: CANOREX INTERNATIONAL,
510, 840 - 6th Avenue S.W.,
Calgary, Alberta

ATTN: Mike McInnis

File No. 22258
Date October 1, 1981
Samples Core
Project: GJ

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	OZ./TON GOLD	OZ./TON SILVER	% Cu
7124	Trace	.02	.08
7125	.002	.02	.08
7126	Trace	.06	.08
7127	Trace	.02	.11
7128	Trace	.10	.06
7129	Trace	.14	.25
7130	Trace	.16	.07
7131	Trace	.28	.05
7132	.004	.58	.17
7133	Trace	.32	.05
7134	Trace	.12	.05
7135	Trace	.40	.07
7136	Trace	.02	.05
7137	Trace	.02	.06
7138	.020	.42	.05
7139	.018	.06	.04
7140	.020	.02	.04
7141	Trace	.14	.03
7142	Trace	.04	.03
7143	Trace	.34	.05
7144	.028	.06	.06

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

A. J. McIsaac
Assayer

To: CANOREX INTERNATIONAL,
510, 840 - 6th Avenue S.W.,
Calgary, Alberta

ATTN: Mike McInnis

File No. 22258
Date October 1, 1981
Samples Core

Project: GJ

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	OZ./TON GOLD	OZ./TON SILVER	% Cu
7145	Trace	.02	.05
7146	Trace	.02	.03
7147	Trace	.04	.08
7148	Trace	.04	.06
7149	Trace	.64	.07
7150	Trace	.02	.06
7151	Trace	.10	.03
7152	Trace	.02	.04
7153	Trace	.08	.03
7154	Trace	.06	.03
7155	Trace	.16	.02

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Rejects Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

E. X. McInnis

Assayer

To: CANOREX INTERNATIONAL,
510, 840 - 6th Avenue S.W.,
Calgary, Alberta

ATTN: Mike McInnis

File No. 22276
Date September 14, 1981
Samples Core

Certificate of ASSAY

LORING LABORATORIES LTD.

81-3 Page # 1 Hole 3

SAMPLE No.	% Cu
"Core Samples"	
7156	.03
7157	.02
7158	.02
7159	.06
7160	.01
7161	.06
7162	.01
7163	.01
7164	.02
7165	.02
7166	.05
7167	.07
7168	.10
7169	.05
7170	.03
7171	.05
7172	.11
7173	.13
7174	.14
7175	.15

15-20
20-30

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.

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D. Eades

Assayer

To: CANOREX INTERNATIONAL,
510, 840 - 6th Avenue S.W.,
Calgary, Alberta

ATTN: Mike McInnis

File No. 22276
Date September 14, 1981
Samples Core

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	% Cu
7176	.15
7177	.12
7178	.20
7179	.05
7180	.03
7181	.13
7182	.09
7183	.08
7184	.06
7185	.27
7186	.08
7187	.03
7188	.04
7189	.07
7190	.08
7191	.07
7192	.05
7193	.05
7194	.07
7195	.08
7196	.05

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Assayer

To: CANOREX INTERNATIONAL,
510, 840 - 6th Avenue S.W.,
Calgary, Alberta

ATTN: Mike McInnis

File No. 22276
Date September 14, 1981
Samples Core

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	% Cu
7197	.04
7198	.06
7199	.03
7200	.02
7201	.04
7202	.04
7203	.03
7204	.04
7205	.03
7206	.02
7207	.01
7208	.02
7209	.03
7210	.01
7211	.01
7212	.01
7213	.01
7214	.02
7215	.02
7216	.01
7217	.15

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D. Eades

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Calgary, Alberta

ATTN: Mike McInnis

File No. 22276
Date September 14, 1981
Samples Core

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	% Cu
7218	.02
7219	.02
7220	.03
7221	.03
7222	.02
7223	.03
7224	.04
7225	.02
7226	Trace
7227	Trace
7228	.01
7229	.07
7230	Trace
7231	.01
7232	.01
7233	.02

Gold & Silver to Follow.

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

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D. Eades

Assayer

To: CANOREX INTERNATIONAL,
510, 840 - 6th Avenue S.W.,
Calgary, Alberta

ATTN: Mike McInnis

File No. 22276-1
Date October 12, 1981
Samples Core

Certificate of ASSAY

LORING LABORATORIES LTD.

GJ-81-3

SAMPLE No.	OZ./TON GOLD	OZ./TON SILVER
"Core Samples"		
7156	Trace	.42
7157	.010	.32
7158	Trace	.04
7159	.020	.38
7160	Trace	.06
7161	Trace	.04
7162	Trace	.08
7163	Trace	.08
7164	Trace	.04
7165	Trace	.14
7166	.002	Trace
7167	Trace	.14
7168	Trace	.22
7169	Trace	.02
7170	Trace	.06
7171	.026	.14
7172	Trace	.10
7173	Trace	.06
7174	Trace	.08
7175	.004	.06

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Assayer

To: CANOREX INTERNATIONAL,
510, 840 - 6th Avenue SW.,
Calgary, Alberta

ATTN: Mike McInnis

File No. 22276-1
Date October 12, 1981
Samples Core

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	OZ./TON GOLD	OZ./TON SILVER
7176	.036	.10
7177	.028	.04
7178	.028	.20
7179	Trace	.02
7180	Trace	.12
7181	Trace	.46
7182	Trace	.14
7183	Trace	.16
7184	Trace	.34
7185	Trace	.32
7186	.004	.08
7187	Trace	.14
7188	Trace	.02
7189	Trace	.36
7190	Trace	.28
7191	Trace	.04
7192	Trace	.02
7193	Trace	.02
7194	Trace	.24
7195	Trace	.02
7196	Trace	.02

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Assayer

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510, 840 - 6th Avenue S.W.,
Calgary, Alberta

ATTN: Mike McInnis

File No. 22276-1
Date October 12, 1981
Samples Core

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	OZ./TON GOLD	OZ./TON SILVER
7197	.020	.56
7198	Trace	.60
7199	Trace	.40
7200	Trace	.02
7201	Trace	.38
7202	Trace	.04
7203	Trace	.30
7204	Trace	.12
7205	Trace	Trace
7206	Trace	.02
7207	Trace	.10
7208	Trace	.34
7209	Trace	.04
7210	Trace	Trace
7211	Trace	.36
7212	Trace	.50
7213	Trace	.02
7214	Trace	.42
7215	Trace	.64
7216	Trace	.06
7217	Trace	.04

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Calgary, Alberta

ATTN: Mike McInnis

File No. 22276-1
Date October 12, 1981
Samples Core

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	OZ./TON GOLD	OZ./TON SILVER
7218	Trace	.08
7219	Trace	.44
7220	.006	.28
7221	.010	.08
7222	Trace	.10
7223	Trace	.02
7224	Trace	.32
7225	Trace	.34
7226	Trace	.36
7227	Trace	.34
7228	Trace	.04
7229	.026	.10
7230	Trace	.34
7231	Trace	.28
7232	.022	.44
7233	Trace	.36

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Assayer

To: CANOREX INTERNATIONAL,
510, 840 - 6th Avenue S.W.,
Calgary, Alberta

ATTN: Mike McInnis

File No. 22374
Date October 16, 1981
Samples Core

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	OZ./TON GOLD	OZ./TON SILVER	% Cu
"Core Samples" GJ-81-4			
7235	Trace	.22	.04
7236	Trace	.18	.04
7237	Trace	.14	.02
7238	Trace	.10	.04
7239	Trace	.12	.02
7240	Trace	.22	.03
7241	Trace	.04	.04
7242	Trace	.16	.05
7243	Trace	.16	.02
7244	Trace	.50	.05
7245	Trace	.06	.05
7246	Trace	.24	.11
7247	Trace	.58	.05
7248	Trace	.14	.06
7249	.002	.20	.11
7250	.004	.12	.10
7251	.002	.38	.05
7252	Trace	.20	.04
7253	Trace	.16	.03

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

D. Fell

Assayer

To: CANOREX INTERNATIONAL,
510, 840 - 6th Avenue S.W.,
Calgary, Alberta

ATTN: Mike McInnis

File No. 22374
Date October 16, 1981
Samples Core

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	OZ./TON GOLD	OZ./TON SILVER	% Cu
7254	Trace	.30	.03
7255	Trace	.08	.04
7256	Trace	.18	.05
7257	Trace	.10	.09
7258	Trace	.12	.14
7259	Trace	.06	.13
7260	Trace	.10	.09
7261	Trace	.04	.07
7262	Trace	.16	.07
7263	Trace	.08	.07
7264	Trace	.10	.08
7265	.002	.04	.10
7266	Trace	.24	.09
7267	Trace	.06	.15
7268	Trace	.02	.15
7269	Trace	.02	.13
7270	Trace	.04	.15
7271	.004	.14	.07
7272	Trace	.02	.09
7273	Trace	.18	.07
7274	Trace	.12	.10

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

D. Enclos

Assayer

To: CANOREX INTERNATIONAL,
510, 840 - 6th Avenue S.W.,
Calgary, Alberta

ATTN: Mike McInnis

File No. 22374
Date October 16, 1981
Samples Core

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	OZ./TON GOLD	OZ./TON SILVER	% Cu
7275	.002	.10	.06
7276	Trace	.08	.04
7277	Trace	.02	.03
7278	Trace	.04	.06
7279	Trace	.12	.07
7280	.006	.24	.08
7281	Trace	.12	.08
7282	.020	.40	.07
7283	Trace	.08	.05
7284	Trace	.02	.05
7285	.002	.24	.05
7286	Trace	.02	.05
7287	Trace	.30	.03
7288	Trace	.16	.04
7289	Trace	.24	.04
7290	Trace	.48	.03
7291	Trace	.26	.03
7292	Trace	.18	.02
7293	Trace	.12	.02
7294	Trace	.20	.02
7295	Trace	.02	.02

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

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Pulps Retained one month unless specific arrangements made in advance.

Assayer

To: CANOREX INTERNATIONAL,
510, 840 - 6th Avenue S.W.,
Calgary, Alberta

ATTN: Mike McInnis

File No. 22374
Date October 16, 1981
Samples Core

Certificate of ASSAY

LORING LABORATORIES LTD.

Page # 4

SAMPLE No.	OZ./TON GOLD	OZ./TON SILVER	% Cu
7296	.004	.04	.02
7297	Trace	.18	.03
7298	.018	.06	.07
7299	Trace	.02	.02
7300	Trace	.18	.01
7301	Trace	.02	.02
7302	Trace	.08	.05
7303	Trace	.10	.02
7304	.038	.02	.02
7305	Trace	.02	.04
7306	Trace	.40	.01
7307	Trace	.16	.01
7308	Trace	.10	.01
7309	Trace	.04	.01
7310	Trace	.08	.02
7311	Trace	.34	.02
7312	Trace	.12	.02
7313	Trace	.10	.01
7314	Trace	.14	.01
7315	Trace	.10	.01

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

D. Eades

Assayer

To: CANOREX INTERNATIONAL,
510, 840 - 6th Avenue S.W.,
Calgary, Alberta

ATTN: Mike McInnis

File No. 22421
Date October 15, 1981
Samples Core

Certificate of ASSAY of
LORING LABORATORIES LTD.

GJ-81-5

SAMPLE No.	OZ./TON GOLD	OZ./TON SILVER	% Cu
"Core Samples"			
7316	Trace	.38	.02
7317	Trace	Trace	.03
7318	Trace	Trace	.02
7319	Trace	Trace	.02
7320	Trace	.02	.03
7321	Trace	Trace	.02
7322	Trace	Trace	.01
7323	Trace	Trace	.02
7324	.016	Trace	.06
7325	Trace	Trace	.03
7326	Trace	Trace	.02
7327	Trace	Trace	.02
7328	Trace	.24	.03
7329	Trace	Trace	.02
7330	Trace	Trace	.03
7331	Trace	Trace	.07
7332	Trace	.40	.04
7333	Trace	Trace	.02
7334	Trace	.24	.05
7335	Trace	Trace	.06

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

Assayer

To: CANOREX INTERNATIONAL,
510, 840 - 6th Avenue S.W.,
Calgary, Alberta

ATTN: Mike McInnis

File No. 22421
Date October 15, 1981
Samples Core

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	OZ./TON GOLD	OZ./TON SILVER	% Cu
7336	Trace	Trace	.03
7337	.010	.10	.11
7338	.010	.10	.05
7339	.004	.20	.08
7340	.020	.54	.08
7341	.008	.66	.08
7342	Trace	.92	.25
7343	.026	.32	.17
7344	Trace	.88	.10
7345	.016	.42	.17
7346	.012	.70	.32
7347	Trace	.10	.11
7348	Trace	.18	.10
7349	.022	.46	.10
7350	.012	.38	.21
7351	.012	.06	.12
7352	.016	.26	.10
7353	Trace	.22	.19
7354	.014	.64	.24
7355	.014	.20	.11
7356	.020	.16	.15

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

Assayer

To: CANOREX INTERNATIONAL,
510, 840 - 6th Avenue S.W.,
Calgary, Alberta

ATTN: Mike McInnis

File No. 22421
Date October 15, 1981
Samples Core

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	OZ./TON GOLD	OZ./TON SILVER	% Cu
7357	.014	.08	.10
7358	.028	.26	.39
7359	.032	.38	.54
7360	.046	.22	.80
7361	.012	.42	.20
7362	.014	Trace	.34
7363	.010	Trace	.27
7364	.016	Trace	.20
7365	.028	.48	.61
7366	.034	.26	.73
7367	.032	.92	1.35
7368	.078	.60	1.45
7369	.032	.46	.56
7370	.018	.42	.19
7371	.008	.46	.17
7372	.010	.32	.14
7373	.014	.28	.17
7374	Trace	Trace	.11
7375	Trace	Trace	.22
7376	.010	Trace	.08
7377	.004	.12	.08

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

Assayer

To: CANOREX INTERNATIONAL,
510, 840 - 6th Avenue S.W.,
Calgary, Alberta

ATTN: Mike McInnis

File No. 22421
Date October 15, 1981
Samples Core

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	OZ./TON GOLD	OZ./TON SILVER	% Cu
7378	Trace	Trace	.09
7379	Trace	Trace	.06
7380	Trace	Trace	.08
7381	.004	Trace	.15
7382	.006	Trace	.09
7383	.008	.18	.11
7384	Trace	Trace	.10
7385	Trace	.28	.17
7386	.020	.86	.16
7387	Trace	.72	.09
7388	Trace	.70	.06
7389	Trace	.16	.05
7390	Trace	.34	.08
7391	Trace	.80	.05
7392	Trace	.10	.03
7393	.008	.14	.04
7394	Trace	.50	.02
7395	.004	.64	.13
7396	Trace	.62	.02
7397	Trace	.06	Trace

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

Assayer

To: CANOREX INTERNATIONAL,
510, 840 - 6th Avenue S.W.,
Calgary, Alberta

ATTN: Mike McInnis

File No. 22442
Date October 15, 1981
Samples Core

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	% Cu
"Core Samples" GJ-81-6	
7398	.02
7399	.02
7400	.03
7401	.01
7402	.03
7403	.03
7404	.02
7405	.01
7406	.01
7407	.02
7408	.02
7409	.02
7410	.02
7411	.02
7412	.01
7413	.02
7414	.03
7415	.08
7416	.06

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

Assayer

To: CANOREX INTERNATIONAL,
510, 840 - 6th Avenue S.W.,
Calgary, Alberta

ATTN: Mike McInnis

File No. 22442
Date October 15, 1981
Samples Core

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	% Cu
7417	.03
7418	.03
7419	.02
7420	.03
7421	.02
7422	.02
7423	.03
7424	.02
7425	.03
7426	.02
7427	.03
7428	.02
7429	.04
7430	.04
7431	.03
7432	.06
7433	.06
7434	.05
7435	.04
7436	.03
7437	.04

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

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Pulps Retained one month unless specific arrangements made in advance.

Assayer

To: CANOREX INTERNATIONAL,
510, 840 - 6th Avenue S.W.,
Calgary, Alberta

ATTN: Mike McInnis

File No. 22442
Date October 15, 1981
Samples Core

Certificate of ASSAY of
LORING LABORATORIES LTD.

SAMPLE No.	% Cu
7438	.03
7439	.04
7440	.03
7441	.04
7442	.04
7443	.04
7444	.04
7445	.03
7446	.03
7447	.06
7448	.04
7449	.05
7450	.11
7451	.08
7452	.06
7453	.08
7454	.09
7455	.12
7456	.06
7457	.05
7458	.05

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Assayer

To: CANOREX INTERNATIONAL,
510, 840 - 6th Avenue S.W.,
Calgary, Alberta

ATTN: Mike McInnis

File No. 22442
Date October 15, 1981
Samples Core

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	% Cu
7459	.11
7460	.12
7461	.10
7462	.11
7463	.07
7464	.08
7465	.06
7466	.08
7467	.10
7468	.11
7469	.09
7470	.08
7471	.09
7472	.05
7473	.12
7474	.07
7475	.12
7476	.05
7477	.04
7478	.11
7479	.07

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

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Assayer

To: CANOREX INTERNATIONAL,
510, 840 - 6th Avenue S.W.,
Calgary, Alberta

ATTN: Mike McInnis

File No. 22442
Date October 15, 1981
Samples Core

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	% Cu
7480	.06
7481	.08
7482	.07
7483	.09
7484	.09
7485	.10
7486	.11
7487	.37
7488	.12
7489	.10
7490	.08
7491	.07
7492	.10
7493	.11

Gold & Silver To Follow.

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

Assayer

To: CANOREX INTERNATIONAL,
510, 840 - 6th Avenue S.W.,
Calgary, Alberta

ATTN: Mike McInnis

File No. 22442-1
Date November 17, 1981
Samples Core

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	OZ./TON GOLD	OZ./TON SILVER
"Core Samples" GJ-81-6		
7398	Trace	.16
7399	Trace	.16
7400	Trace	.10
7401	Trace	.42
7402	.008	.20
7403	Trace	.06
7404	Trace	.14
7405	Trace	.06
7406	Trace	.08
7407	Trace	.04
7408	Trace	.04
7409	Trace	.10
7410	Trace	.02
7411	Trace	.04
7412	Trace	.02
7413	Trace	Trace
7414	Trace	.12
7415	Trace	.02
7416	.008	.44

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

Assayer

To: CANOREX INTERNATIONAL,
510, 840 - 6th Avenue S.W.,
Calgary, Alberta

ATTN: Mike McInnis

File No. 22442-1
Date November 17, 1981
Samples Core

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	OZ./TON GOLD	OZ./TON SILVER
7417	.016	.06
7418	Trace	.16
7419	Trace	.40
7420	.004	.02
7421	Trace	.08
7422	Trace	.12
7423	Trace	.10
7424	Trace	.06
7425	Trace	.08
7426	Trace	.06
7427	Trace	.02
7428	Trace	.02
7429	Trace	.06
7430	.004	.02
7431	Trace	.08
7432	Trace	.16
7433	Trace	.18
7434	Trace	.08
7435	Trace	.24
7436	Trace	.64
7437	.018	.28

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.

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Assayer

To: CANOREX INTERNATIONAL,
510, 840 - 6th Avenue S.W.,
Calgary, Alberta

ATTN: Mike McInnis

File No. 22442-1
Date November 17, 1981
Samples Core

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	OZ./TON GOLD	OZ./TON SILVER
7438	.032	.22
7439	Trace	.48
7440	Trace	.60
7441	Trace	.52
7442	Trace	.14
7443	.026	.10
7444	Trace	.18
7445	Trace	.02
7446	Trace	.28
7447	Trace	Trace
7448	Trace	.40
7449	Trace	.12
7450	Trace	.24
7451	.032	.06
7452	Trace	Trace
7453	Trace	.10
7454	Trace	Trace
7455	.004	.02
7456	Trace	.28
7457	Trace	.04
7458	Trace	.12

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

D. Enclos

Assayer

To: CANOREX INTERNATIONAL,
510, 840 - 6th Avenue S.W.,
Calgary, Alberta

ATTN: Mike McInnis

File No. 22442-1
Date November 17, 1981
Samples Core

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	OZ./TON GOLD	OZ./TON SILVER
7459	Trace	.14
7460	Trace	.22
7461	Trace	.18
7462	Trace	.18
7463	Trace	.48
7465	Trace	.20
7465	Trace	.20
7466	Trace	.12
7467	.008	1.12
7468	.024	.18
7469	Trace	.26
7470	Trace	.76
7471	Trace	.78
7472	Trace	.56
7473	Trace	Trace
7474	Trace	.14
7475	.002	.04
7476	.004	.02
7477	Trace	Trace
7478	Trace	Trace
7479	.044	.40

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

Assayer

To: CANOREX INTERNATIONAL,
510, 840 - 6th Avenue S.W.,
Calgary, Alberta

ATTN: Mike McInnis

File No. 22442-1
Date November 17, 1981
Samples Core

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	OZ./TON GOLD	OZ./TON SILVER
7480	Trace	.42
7481	.026	.12
7482	Trace	.56
7483	Trace	Trace
7484	Trace	.22
7485	Trace	.20
7486	Trace	.02
7487	Trace	.30
7488	Trace	Trace
7489	Trace	Trace
7490	Trace	Trace
7491	Trace	.02
7492	Trace	Trace
7493	Trace	Trace

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

D Eagles

Assayer

To: CANOREX INTERNATIONAL,
510, 840 - 6th Avenue S.W.,
Calgary, Alberta

ATTN: Mike McInnis

File No. 22503
Date October 15, 1981
Samples Core

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	% Cu
"Core Samples" GJ-81-7	
7494	.04
7495	.05
7496	.05
7497	.04
7498	.03
7499	.05
7500	.03
7501	.03
7502	.03
7503	.04
7504	.04
7505	.04
7506	.03
7507	.04
7508	.04
7509	.04
7510	.03
7511	.08
7512	.06

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

Assayer

To: CANOREX INTERNATIONAL,
510, 840 - 6th Avenue S.W.,
Calgary, Alberta

ATTN: Mike McInnis

File No. 22503
Date October 15, 1981
Samples Core

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	% Cu
7513	.11
7514	.11
7515	.16
7516	.09
7517	.10
7518	.09
7519	.17
7520	.21
7521	.16
7522	.13
7523	.13
7524	.13
7525	.15
7526	.23
7527	.08
7528	.13
7529	.15
7530	.20
7531	.31
7532	.22
7533	.22

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

Assayer

To: CANOREX INTERNATIONAL,
510, 840 - 6th Avenue S.W.,
Calgary, Alberta

ATTN: Mike McInnis

File No. 22503
Date October 15, 1981
Samples Core

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	% Cu
7534	.56
7535	.34
7536	.58
7537	.53
7538	.75
7539	.76
7540	.99
7541	.42
7542	.17
7543	.21
7544	.18
7545	.17
7546	.10
7547	.24
7548	.56
7549	.47
7550	.26
7551	.26
7552	.21
7553	.17
7554	.22

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

jects Retained one month.
lps Retained one month
less specific arrangements
ade in advance.

Assayer

To: CANOREX INTERNATIONAL,
510, 840 - 6th Avenue S.W.,
Calgary, Alberta

ATTN: Mike McInnis

File No. 22503
Date October 15, 1981
Samples Core

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	% Cu
7555	.17
7556	.18
7557	.17
7558	.08
7559	.10
7560	.16
7561	.14
7562	.10
7563	.14
7564	.04
7565	.05
7566	.08
7567	.09
7568	.07
7569	.10
7570	.14
7571	.11

Gold & Silver To Follow.

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

Assayer

To: CANOREX INTERNATIONAL,
510, 840 - 6th Avenue S.W.,
Calgary, Alberta

ATTN: Mike McInnis

File No. 22503-1
Date November 17, 1981
Samples Core

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	OZ./TON GOLD	OZ./TON SILVER
"Core Samples" GJ-81-7		
7494	Trace	.22
7495	Trace	.18
7496	Trace	.18
7497	Trace	.02
7498	Trace	Trace
7499	Trace	.18
7500	Trace	Trace
7501	Trace	Trace
7502	Trace	Trace
7503	Trace	.26
7504	Trace	.18
7505	Trace	.18
7506	Trace	.48
7507	Trace	.16
7508	Trace	.66
7509	Trace	.96
7510	Trace	.72
7511	Trace	1.32
7512	Trace	.16

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

D. Eales

Assayer

To: CANOREX INTERNATIONAL,
510, 840 - 6th Avenue S.W.,
Calgary, Alberta

ATTN: Mike McInnis

File No. 22503-1
Date November 17, 1981
Samples Core

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	OZ./TON GOLD	OZ./TON SILVER
7513	.018	.22
7514	.072	.43
7515	.024	.12
7516	.006	.22
7517	Trace	.16
7518	Trace	.30
7519	Trace	.02
7520	Trace	.08
7521	.004	.12
7522	Trace	.12
7523	.006	.10
7524	Trace	.12
7525	Trace	.12
7526	Trace	.38
7527	Trace	.12
7528	Trace	.06
7529	Trace	.02
7530	.036	.04
7531	.072	.02
7532	.042	Trace
7533	.052	.03

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

Assayer

To: CANOREX INTERNATIONAL,
510, 840 - 6th Avenue S.W.,
Calgary, Alberta

ATTN: Mike McInnis

File No. 22503-1
Date November 17, 1981
Samples Core

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	OZ./TON GOLD	OZ./TON SILVER
7534	Trace	.04
7535	.076	.06
7536	.090	.02
7537	.082	.14
7538	.042	.80
7539	.060	.68
7540	.084	.76
7541	.062	.02
7542	Trace	Trace
7543	Trace	.06
7544	.038	.02
7545	.006	.14
7546	.036	.18
7547	.024	.10
7548	.076	.48
7549	.018	.38
7550	.038	Trace
7551	.034	.02
7552	.042	.58
7553	Trace	.54
7554	Trace	.60

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

D. Eades

Assayer

To: CANOREX INTERNATIONAL,
510, 840 - 6th Avenue S.W.,
Calgary, Alberta

ATTN: Mike McInnis

File No. 22503-1
Date November 17, 1981
Samples Core

Certificate of ASSAY

LORING LABORATORIES LTD.

SAMPLE No.	OZ./TON GOLD	OZ./TON SILVER
7555	.038	.08
7556	.026	.50
7557	Trace	.12
7558	Trace	.06
7559	.007	.40
7560	.014	.06
7561	Trace	.04
7562	.026	.12
7563	.028	.04
7564	Trace	.14
7565	.022	.24
7566	.030	.04
7567	.024	.14
7568	.038	.12
7569	.016	.10
7570	.024	.06
7571	.034	.12

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . . .

Rejects Retained one month.

Pulps Retained one month unless specific arrangements made in advance.

D Enclos

Assayer

APPENDIX D

STATEMENTS OF QUALIFICATIONS

CERTIFICATE

I, Michael D. McInnis of 320 Silver Valley Rise, N.W., Calgary, Alberta, hereby certify that:

1. I am a 1969 graduate of the University of British Columbia with an Honours B.SC. degree in Geology.

2. I have been practicing my profession for twelve years and have conducted exploration in most parts of Canada, the western United States, Ireland and the Dominican Republic.

3. I have sucessfully completed all examinations and other requirements for registration as a Professional Engineer in the Province of British Columbia and have held a Non-Resident Licence from the Professional Engineers Society.

4. I am a registered Professional Geologist with the Association of Professional Engineers, Geologists and Geophysicists of Alberta.

October, 1981

M. D. McINNIS, P. GEOL.

STATEMENT OF QUALIFICATIONS

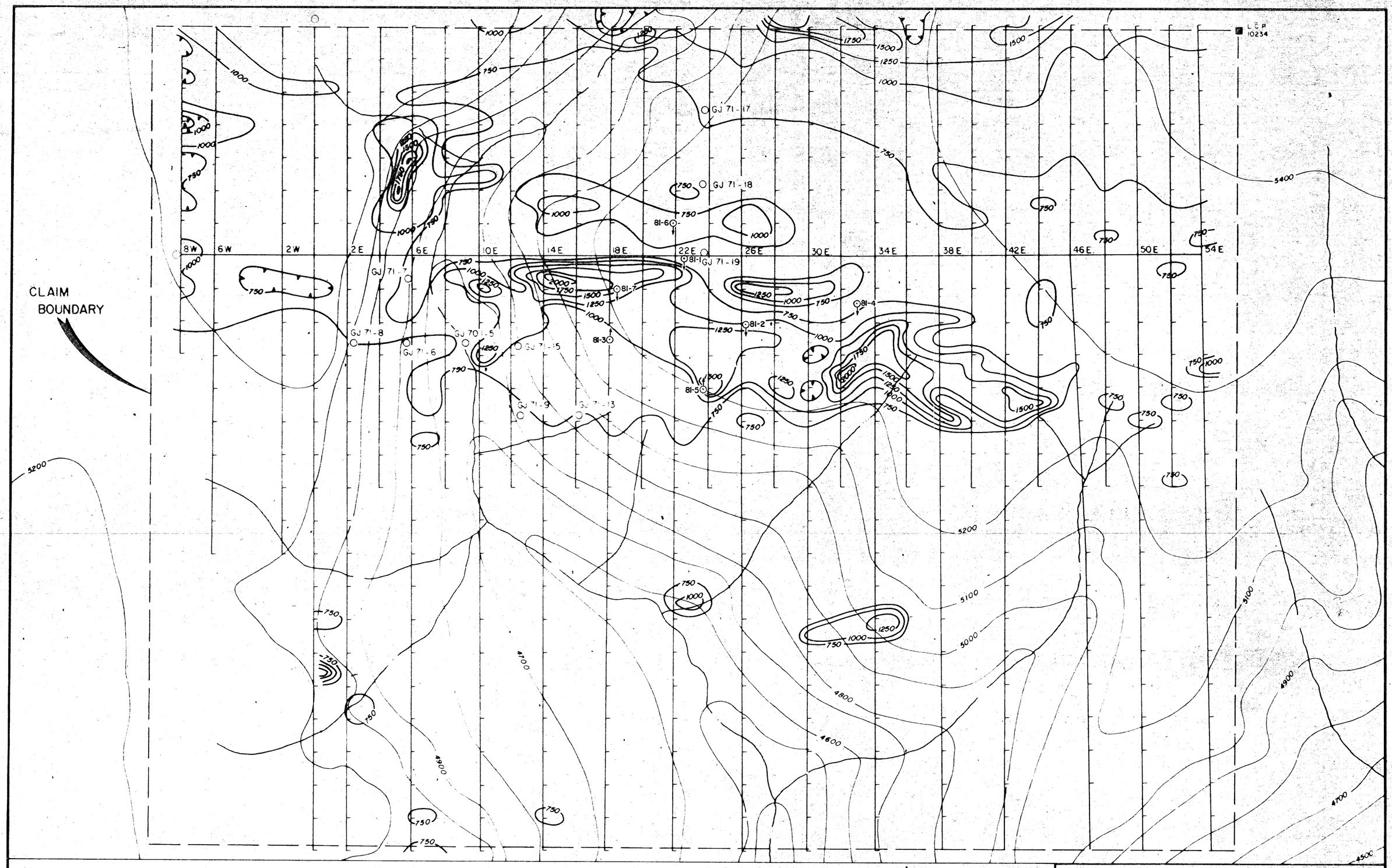
I Rudolf M. Durfeld on Williams Lake, British Columbia, hereby certify that:

1) I am a graduate of the University of British Columbia, Bachelor of Science (Geology Major) in 1972 and have practiced by profession as geologist since that time.

2) I am a Fellow of the Geological Association of Canada.

3) I am the author of this report which is based on work conducted on September 23-26, 1979.

R.M. Durfeld, B.Sc.
Geologist.



LEGEND

- Legal Corner Post
- Grid Line
- GJ 1970, 71 Diamond Drill Hole
- 1500 — Magnetometer Contour (contour interval 250 gammas)
- Magnetometer Low

NTS 104-G-9

Contour Interval 100 Feet

9773

400 200 0 400 800 1200 Feet

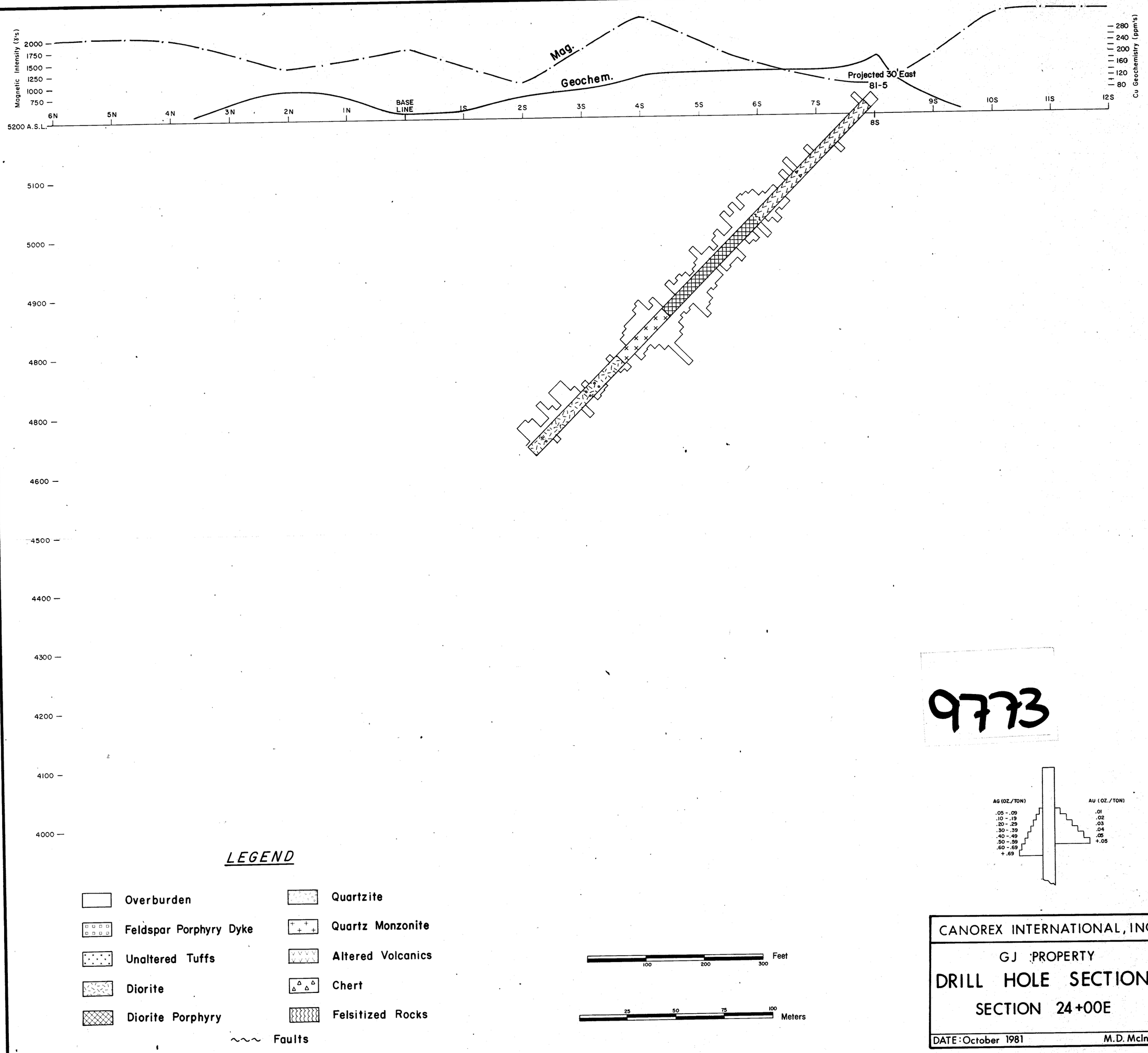
100 50 0 100 200 300 400 Metres

CANOREX INTERNATIONAL, INC.

GJ PROPERTY

GROUND MAGNETOMETER SURVEY

SCALE	DATE	DWG NUMBER
		3



LEGEND

- Overburden
- Feldspar Porphyry Dyke
- Unaltered Tuffs
- Diorite
- Diorite Porphyry
- Quartzite
- Quartz Monzonite
- Altered Volcanics
- Chert
- Felsitized Rocks
- ~~~ Faults

Feet: 100, 200, 300

Meters: 25, 50, 75, 100

9773

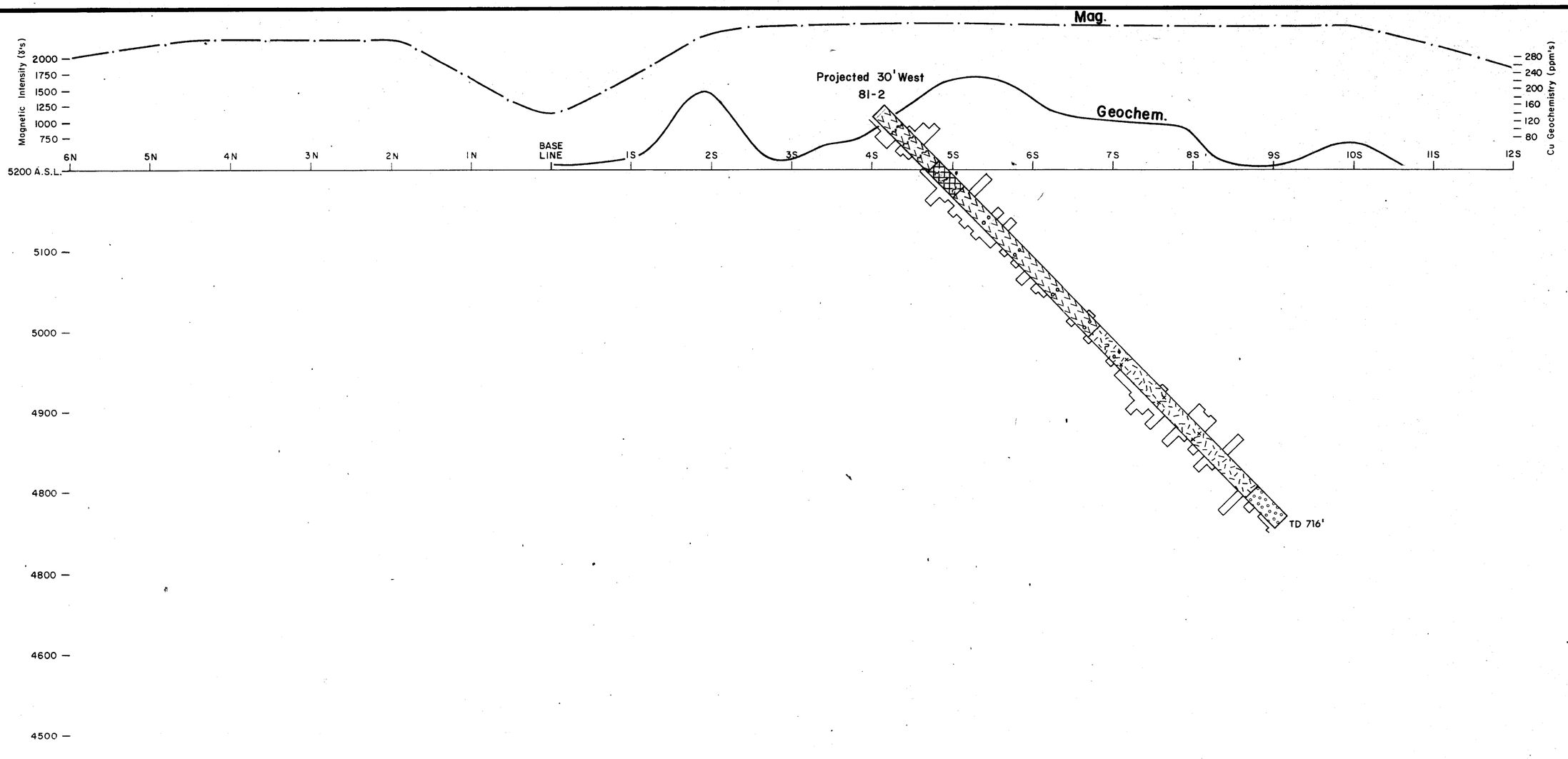
CANOREX INTERNATIONAL, INC.

GJ PROPERTY

DRILL HOLE SECTIONS

SECTION 24+00E

DATE: October 1981 M.D. McInnis



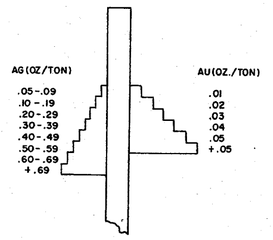
LEGEND

- Overburden
- Feldspar Porphyry Dyke
- Unaltered Tuffs
- Diorite
- Diorite Porphyry
- Quartzite
- Quartz Monzonite
- Altered Volcanics
- Chert
- Felsitized Rocks
- ~~~ Faults

Feet: 100, 200, 300

Meters: 25, 50, 75, 100

9773



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GJ PROPERTY

DRILL HOLE SECTIONS

SECTION 26+00E

DATE: October 1981 M.D. McInnis

Mag.

Geochem.

Magnetic Intensity (γ's)

2000
1750
1500
1250
1000
750

Cu Geochemistry (ppm's)

280
240
200
160
120
80

Projected 20' East
81-6

Projected 40' West
81-1

6N 5N 4N 3N 2N 1N BASE LINE 1S 2S 3S 4S 5S 6S 7S 8S 9S 10S 11S 12S

5200 A.S.L.

5100
5000
4900
4800
4800
4600
4500
4400
4300
4200
4100
4000

TD 997'

9773

AG (OZ./TON)
.05 - .09
.10 - .19
.20 - .29
.30 - .39
.40 - .49
.50 - .59
.60 - .69
+.69

AU (OZ./TON)
.01
.02
.03
.04
.05
+.05

LEGEND

- Overburden
- Feldspar Porphyry Dyke
- Unaltered Tuffs
- Diorite
- Diorite Porphyry
- Quartzite
- Quartz Monzonite
- Altered Volcanics
- Chert
- Felsitized Rocks
- ~~~ Faults

100 200 300 Feet

25 50 75 100 Meters

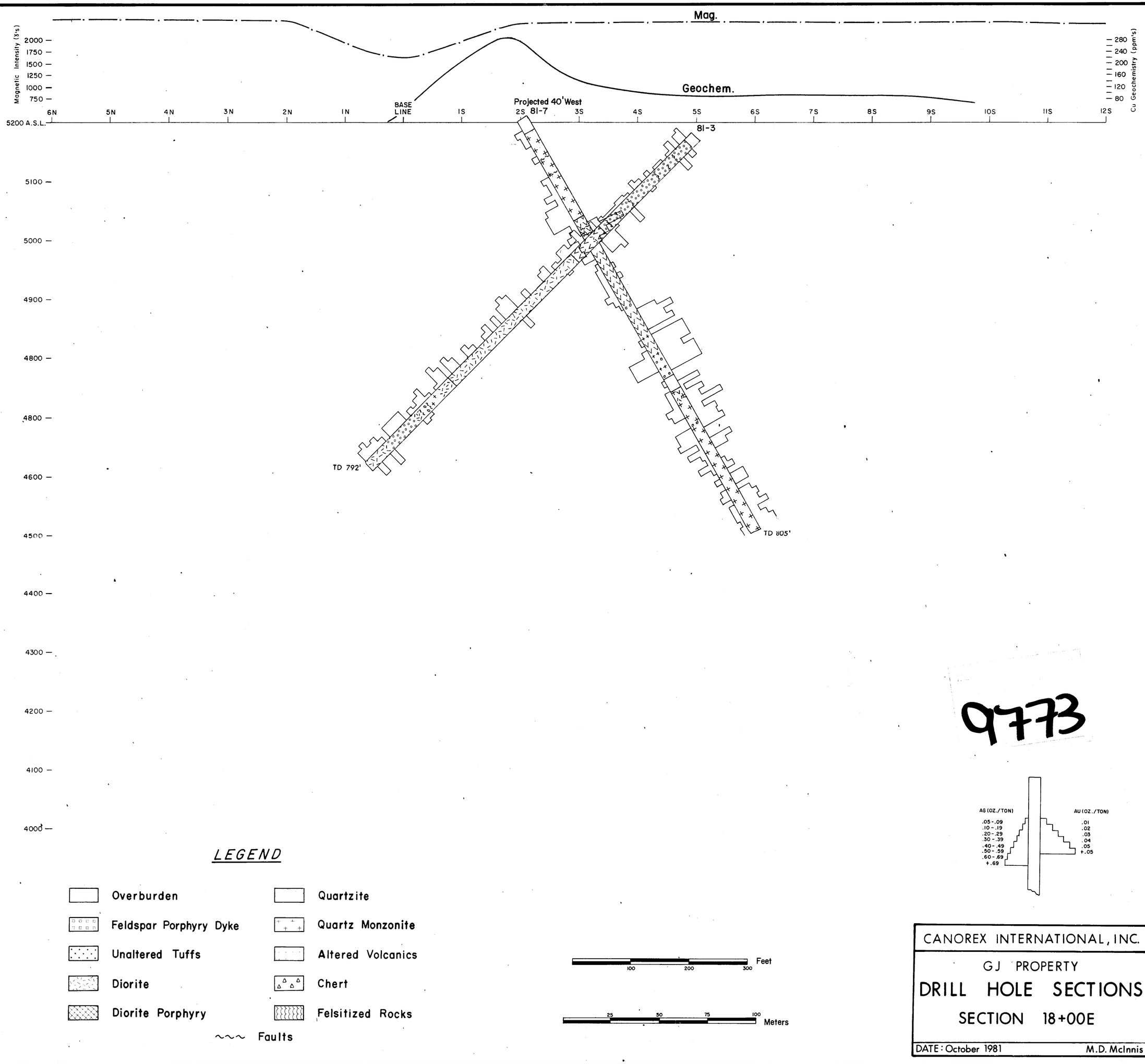
CANOREX INTERNATIONAL, INC.

GJ PROPERTY

DRILL HOLE SECTIONS

SECTION 22+00E

DATE: October 1981 M.D. McInnis



LEGEND

- Overburden
- Feldspar Porphyry Dyke
- Unaltered Tuffs
- Diorite
- Diorite Porphyry
- Quartzite
- Quartz Monzonite
- Altered Volcanics
- Chert
- Felsitized Rocks
- ~~~ Faults

Feet: 100, 200, 300

Meters: 25, 50, 75, 100

9773

AG (OZ./TON)	AU (OZ./TON)
.05-.09	.01
.10-.19	.02
.20-.29	.03
.30-.39	.04
.40-.49	.05
.50-.59	+.05
.60-.69	
+.69	

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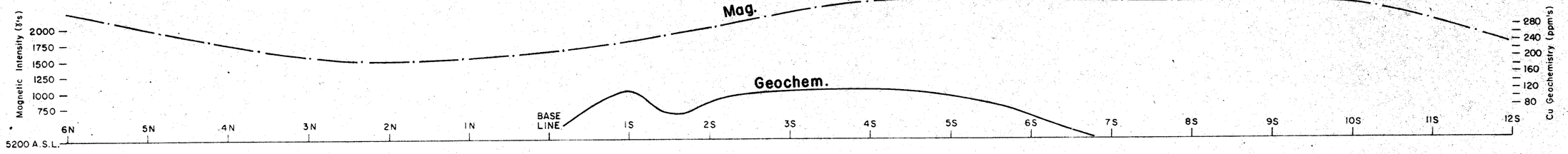
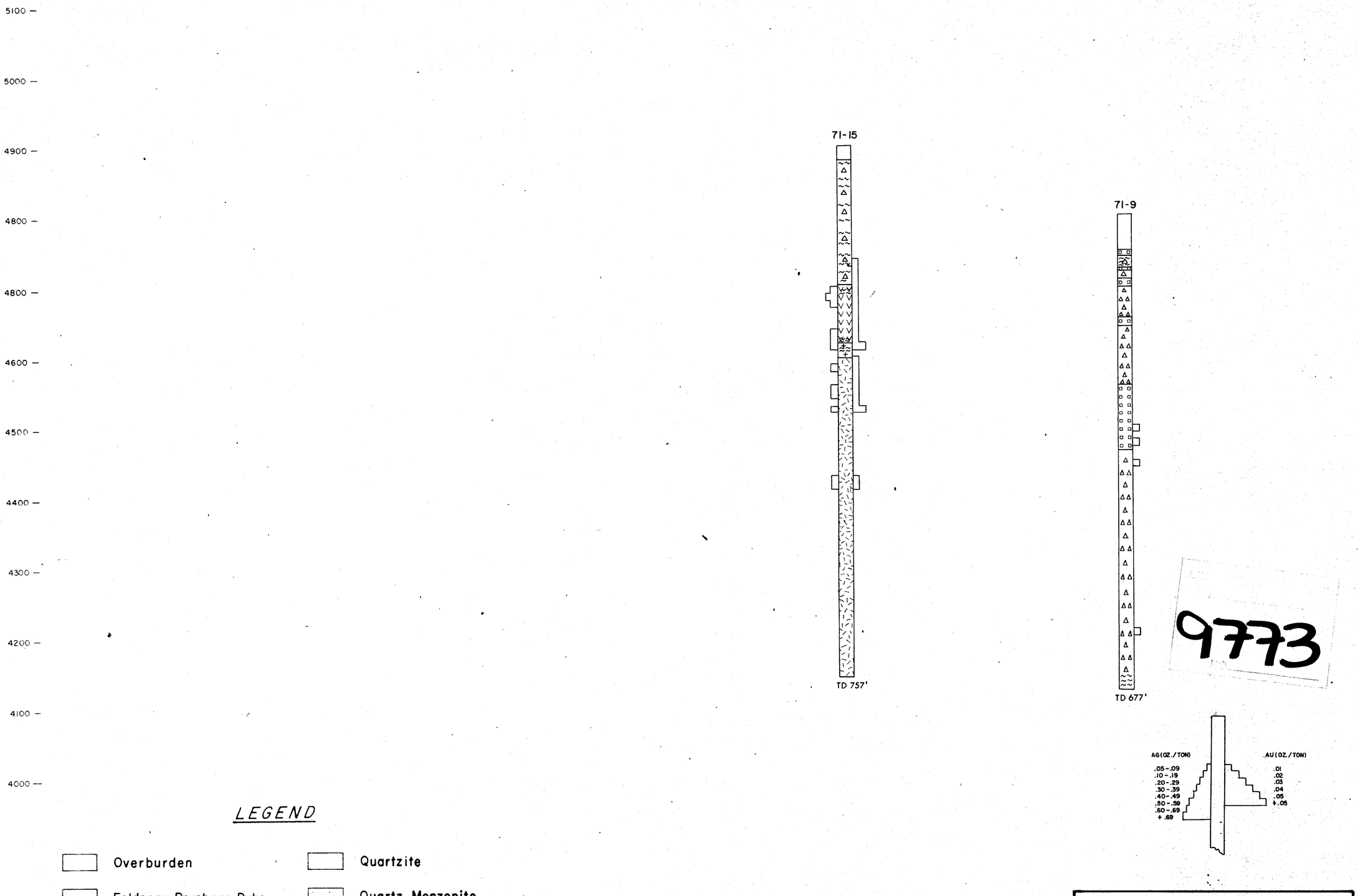
DRILL HOLE SECTIONS

SECTION 18+00E

DATE: October 1981 M.D. McInnis





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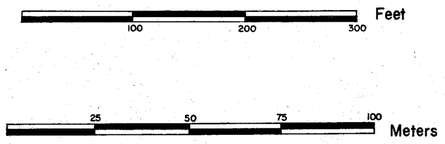
LEGEND

- Overburden
- Feldspar Porphyry Dyke
- Unaltered Tuffs
- Diorite
- Diorite Porphyry
- Quartzite
- Quartz Monzonite
- Altered Volcanics
- Chert
- Felsitized Rocks
- ~~~ Faults



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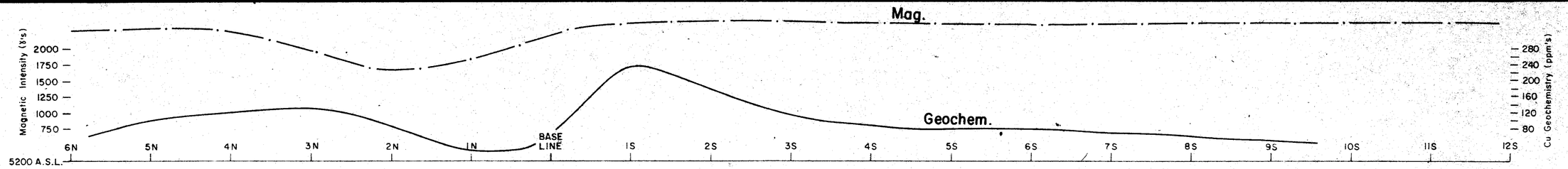
GJ PROPERTY

DRILL HOLE SECTIONS

SECTION 12+00E

DATE : October 1981 M.D. McInnis



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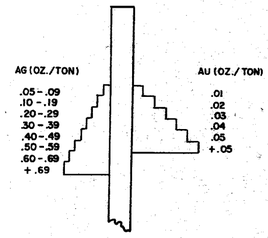
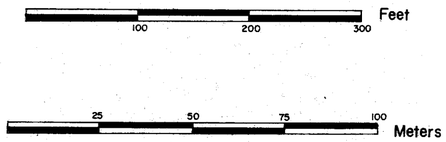


LEGEND

- Overburden
- Feldspar Porphyry Dyke
- Unaltered Tuffs
- Diorite
- Diorite Porphyry
- Quartzite
- Quartz Monzonite
- Altered Volcanics
- Chert
- Felsitized Rocks
- ~~~ Faults



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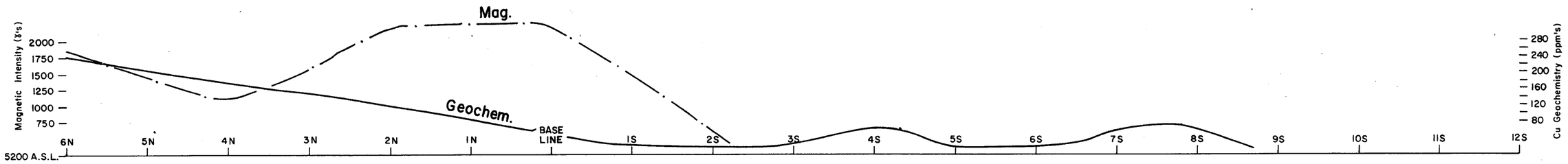
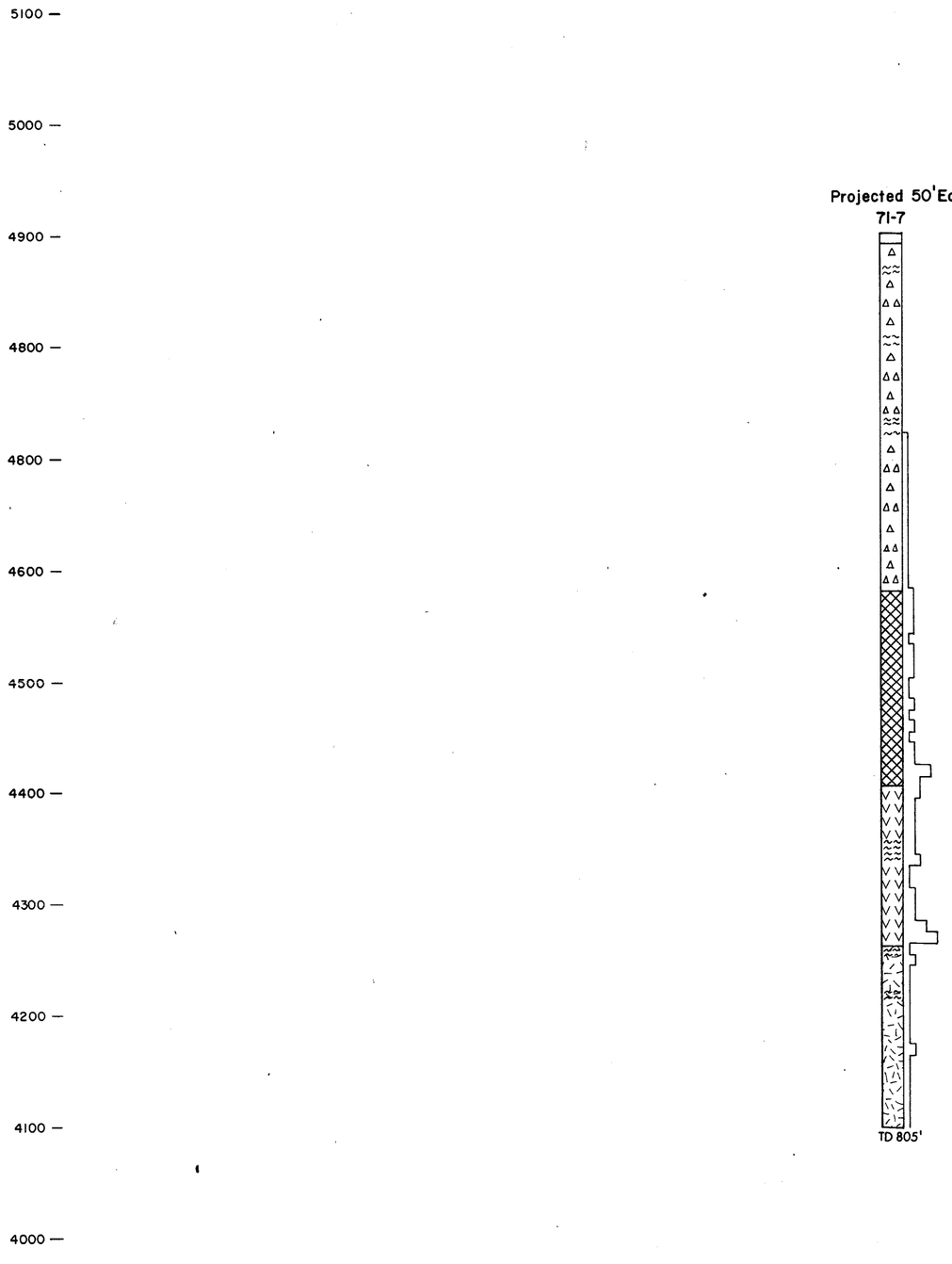
GJ PROPERTY

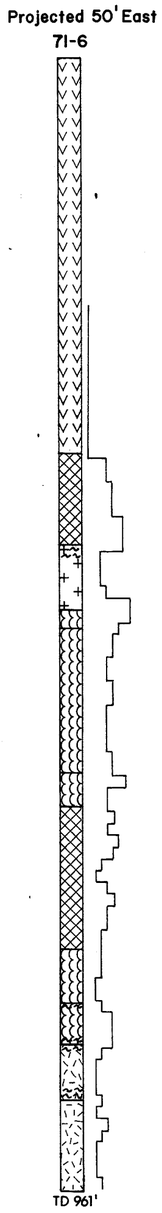
DRILL HOLE SECTIONS

SECTION 16+00E

DATE: October 1981 M.D. McInnis

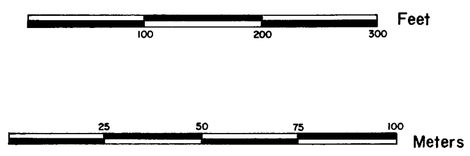






LEGEND

- Overburden
- Feldspar Porphyry Dyke
- Unaltered Tuffs
- Diorite
- Diorite Porphyry
- Quartzite
- Quartz Monzonite
- Altered Volcanics
- Chert
- Felsitized Rocks
- ~~~ Faults



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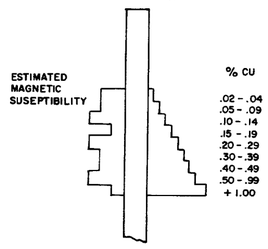

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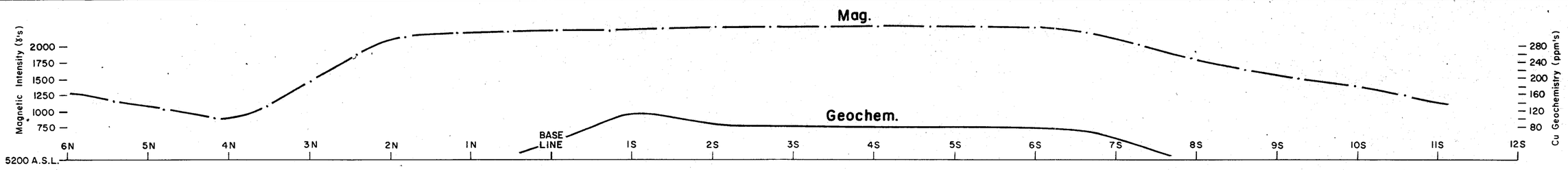
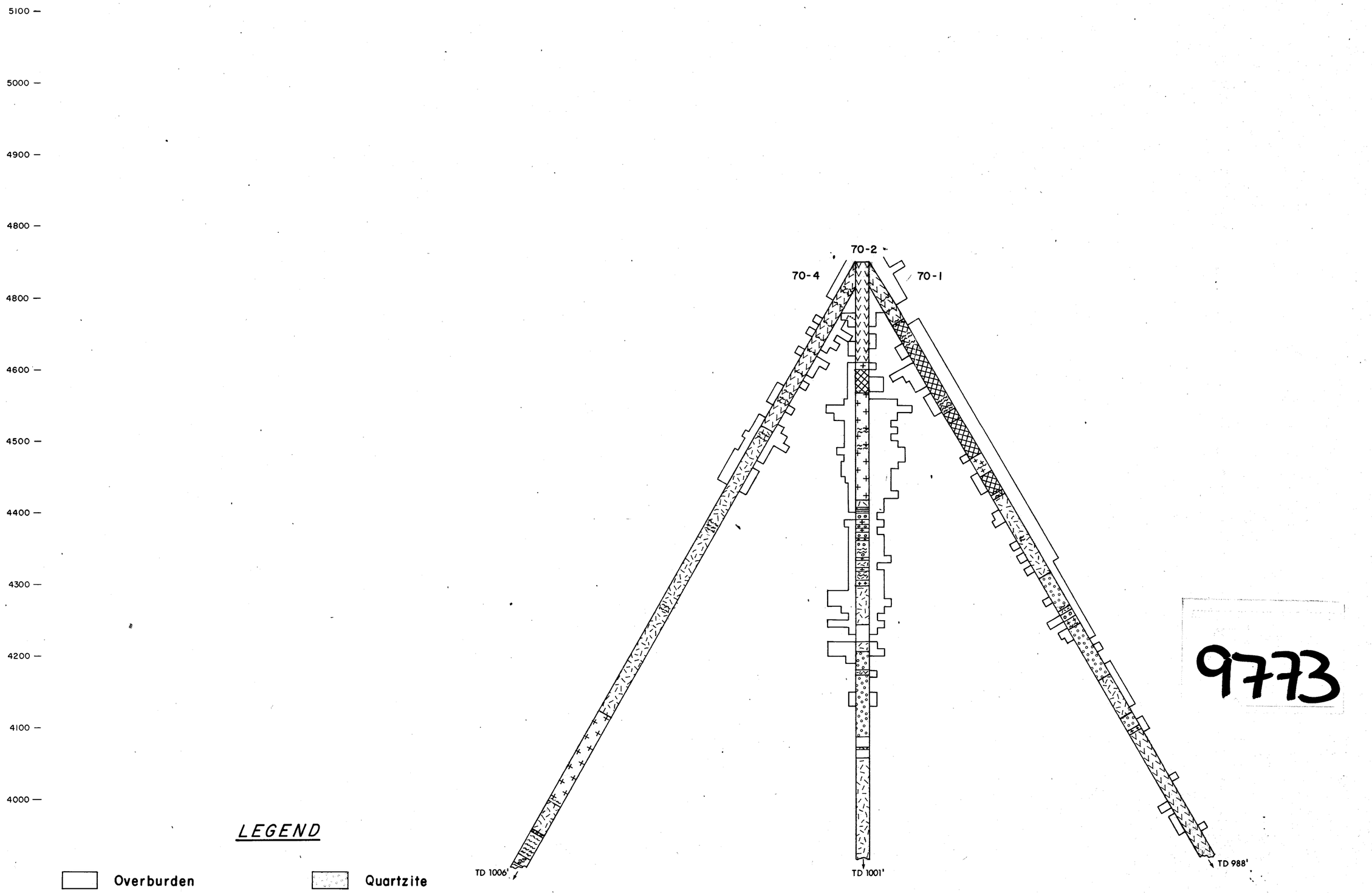
DRILL HOLE SECTIONS

SECTION 6+00E

DATE: October 1981 M.D. McInnis





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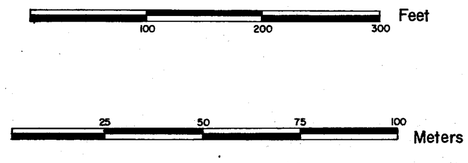
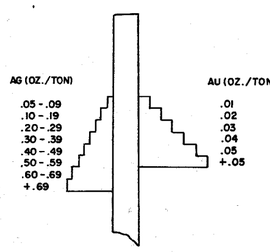
LEGEND

- Overburden
- Feldspar Porphyry Dyke
- Unaltered Tuffs
- Diorite
- Diorite Porphyry
- Quartzite
- Quartz Monzonite
- Altered Volcanics
- Chert
- Felsitized Rocks
- ~~~ Faults





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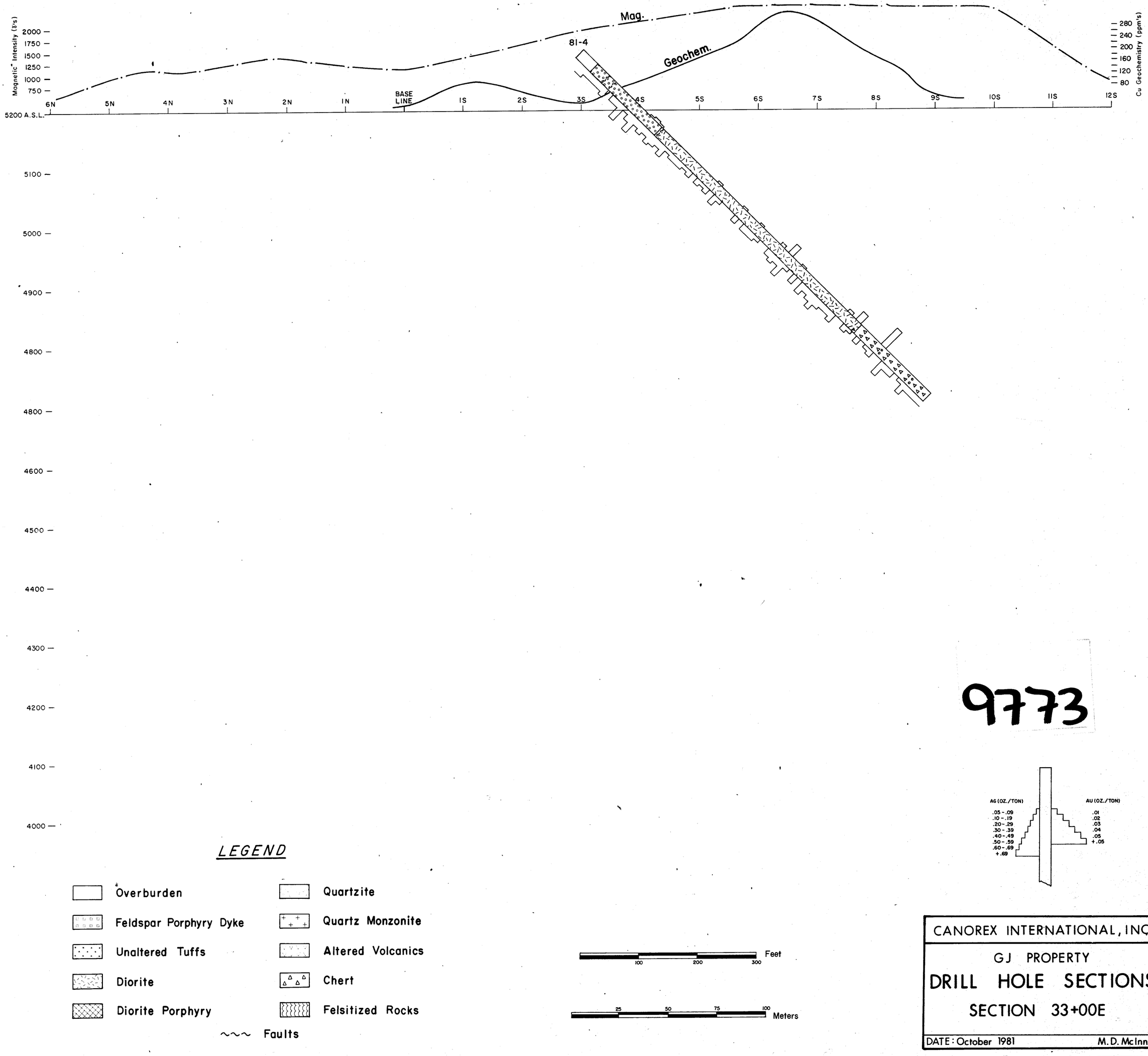
GJ PROPERTY

DRILL HOLE SECTIONS

SECTION 10+00E

DATE: October 1981 M. D. McInnis



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GJ PROPERTY

DRILL HOLE SECTIONS

SECTION 33+00E

DATE: October 1981 M. D. McInnis

Magnetic Intensity (γ's)

2000
1750
1500
1250
1000
750

6N 5N 4N 3N 2N 1N BASE LINE 1S 2S 3S 4S 5S 6S 7S 8S 9S 10S 11S 12S

Cu Geochemistry (ppm's)

280
240
200
160
120
80

5200 A.S.L.

5100
5000
4900
4800
4800
4600
4500
4400
4300
4200
4100
4000

71-8

TD 397'

9773

AG (OZ./TON)
.05 - .09
.10 - .19
.20 - .29
.30 - .39
.40 - .49
.50 - .59
.60 - .69
+ .69

AU (OZ./TON)
.01
.02
.03
.04
.05
+.05

LEGEND

- Overburden
- Feldspar Porphyry Dyke
- Unaltered Tuffs
- Diorite
- Diorite Porphyry
- Quartzite
- Quartz Monzonite
- Altered Volcanics
- Chert
- Felsitized Rocks
- ~~~ Faults

100 200 300 Feet

25 50 75 100 Meters

CANOREX INTERNATIONAL, INC.

GJ PROPERTY

DRILL HOLE SECTIONS

SECTION 2+00E

DATE: October 1981 M.D. McInnis