REPORT OF DIAMOND DRILLING

on the

TROUT LAKE PROPERTY

Revelstoke Mining Division, B.C.

by

T.N. MACAULEY, P. ENG.

October 11, 1978

LOCATION: 4 km West of Trout Lake Village
Lat. 50° 38', Long. 117° 36'
N.T.S. 82 K/12 E

CLAIMS: Lucky Boy and Copper Chief property, including Lucky Jay, Rover, and TL groups

Owners of Claims: A.R. Marlow and B.M. Oakey

Operator: Newmont Exploration of Canada Limited

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M A P S

INTRODUCTION

Location and Access

The Trout Lake property is located in the Selkirk Mountains of southeastern British Columbia, 4 km west of Trout Lake village, at the north end of Trout Lake (See Index Map, page 2). The latitude is 50° 38' N, longitude is 117° 36' W, N.T.S. is 82 K/12 E.

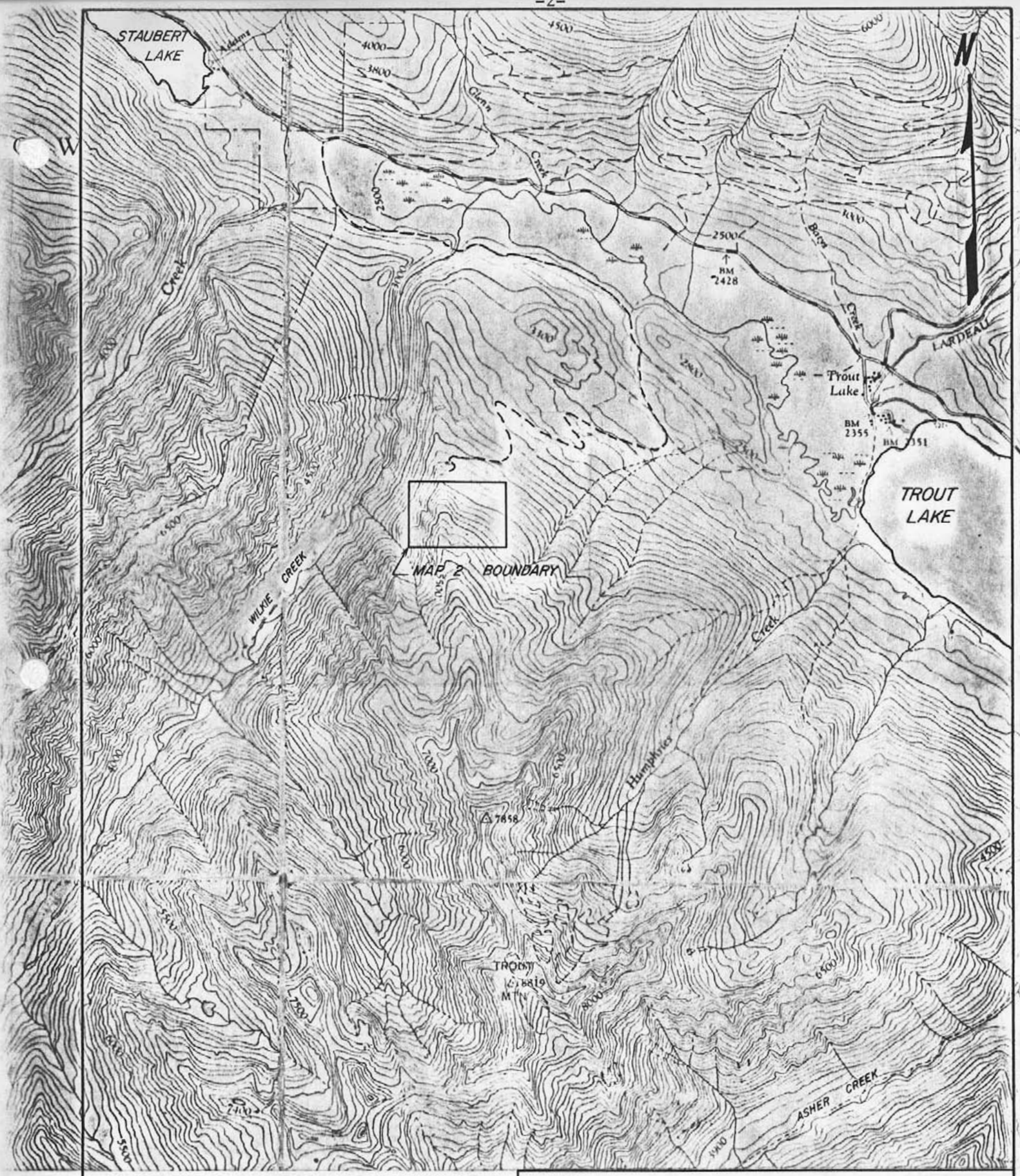
The property lies on the north flank of Trout Mountain, and is approximately bounded to the NW and NE by Wilkie Creek. The area in which the work was performed lies at the 4500' (1400 m) elevation, where the bedrock is covered by a thin mantle of glacial till and a mature forest of conifers.

Access is by 84 km of road from either Nakusp or Revelstoke. From Highway 31 at 7 km NW of Trout Lake, a system of logging roads leads to the property, where a 4 wheel drive vehicle is necessary to use the drill roads.

History

This property has been known for years as the Lucky Boy and Copper Chief, the names of two principal claims staked in 1901 and 1897. Early prospecting and development work was concentrated on small silver-bearing quartz veins, as evidenced by numerous open cuts, pits, and adits. In 1942-53 scheelite-bearing skarns were explored for tungsten. In 1969-70 Cascade Molybdenum Mines explored for molybdenite by mapping, bulldozer trenching, and diamond drilling.

In 1975 the central claims were optioned by Newmont Exploration of Canada Limited from A.E. Marlow and B.M. Oakey. In 1976 a joint venture between Newmont and Esso Minerals Canada was formed for further exploration of the property. Drilling during the last three years has indicated a significant zone of molybdenite mineralization. Further drilling is required to properly determine its economic importance.



NCI 241 – N.E.C.

0 1.0 2.0 3.0 km.
0 1.0 Mi.

NEWMONT EXPLORATION OF CANADA LTD.

INDEX MAP (82 K 12 E)

SCALE	LOCATION	DATE
1 : 50,000	TROUT LAKE, BC	OCT. 11, 1978
SURVEY BY	DRAWN BY	NO.
TNM	JN	1

Work Summary

Two diamond drill holes totalling 2267 metres (7437 feet) in length are being reported. Both holes were started at HQ size, subsequently reduced to NQ, and one was further reduced to BQ. Lengths of each size are stated on the first page of each log. Core diameter of HQ is 63.5 mm, NQ 47.6 mm, and BQ 36.5 mm. The core is stored on the property in the log building at the Lucky Boy mine, located on the main access road into the drill area.

Survey Control

The locations of drill hole collars were determined by transit survey. They are tied into Crown Grant claim corners that were found from the original bearing trees. Located claims were tied into the transit survey by tape and compass survey. The base elevation was carried by altimeter from the bench mark at Trout Lake to the origin point of the grid. Three types of down-the-hole surveys were carried out on the drill holes, the results of which are discussed later in the report. All bearings in this report are with respect to astronomic north.

Claims

The drilling reported here was done on the following claims: CH Crown Grant (L4741), Anex, Lucky Jay Nos. 1 and 6, Copper Chief Moly, and Copper Chief Moly No. 1. These claims form part of a large property, whose principal claim groups are the Lucky Jay, Rover, TL, Fog, and some Crown Grants.

TECHNICAL DATA

Purpose

The purpose of the drilling reported was to explore at depth a molybdenite deposit that is known at higher levels from previous drilling.

Work Done

The results of the drilling are presented in the following logs for the two holes. As well as the usual descriptive notes they include graphic

logs drawn to scale for lithology and structure, quantitative estimates of alteration minerals and sulphides presented in bar graph form, and a fracture intensity count for each 10 foot length. These fractures are usually filled with quartz veinlets and may have associated molybdenite mineralization. Due to the limited space available on a log done to scale, it was necessary to use small printing and abbreviations--a legend for which immediately precedes the drill logs. The drill hole coordinates and other pertinent information is found on the first page of each log. Their locations with respect to claim boundaries and topography are shown on Map 2. The wages shown for the geologist and an assistant in the Statement of Costs represent time entirely spent on core logging, surface and down-the-hole surveys, splitting core samples and drill supervision. Samples were assayed at Chemex Labs Ltd. in North Vancouver, B.C. The drilling was done under contract by Canadian Longyear Ltd.

As the drilling contractor used a 10 foot core barrel and the hole length on wooden blocks in the core boxes was shown in feet, logging was done in feet, not metres. Furthermore, due to the large volume of previous data on this prospect, all of which is in Imperial units, it is necessary to continue using Imperial units for the remainder of the exploration stage.

It should be noted that although the length of the first drill hole is shown as 4000 feet (1219.2 m), 4508 feet (1374 m) were actually drilled in this hole. The reason is that two wedging operations were carried out at some distance off the bottom of the hole. After each one the number of the hole was changed from 78-1 to 78-1A and then to 78-1B.

Drill Hole Surveys

The long inclined holes were drilled to test specific target areas under other drilling, and hence measuring and controlling their direction were important aspects of the project. Three types of down-the-hole surveys were done.

The hydrofluoric acid bottle technique, giving only the dip of the hole, was used at certain intervals.

The Sperry Sun Single Shot Magnetic device was used routinely at intervals of 100 to 300 feet in the hole. It measures bearing as well as dip. As it is a compass-type instrument it is affected by magnetic minerals in the rock. However, readings were fairly consistent and only a few were disregarded as erratic.

The Sperry Sun Gyrocompass survey gives results that are entirely independent of surface surveying or magnetic attraction. The instrument and its operators had to come from Edmonton, Alberta, prior to completion of each hole. Readings were taken at 100 foot intervals and then processed by computer to give a table of coordinates for each reading and a plot of the horizontal projection of the hole. The table follows the log of each hole and the plot has been used on Map 2. Despite several attempts, it was impossible to survey 78-1B below 3000 feet, because the BQ rods allowed only a fine tolerance for the survey probe. The gyro lost its spin by the time the instrument probed this gently-dipping portion of the hole.

In summary, it was found that the holes stayed fairly straight in bearing and shallowed in dip. However, there is a consistent discrepancy between the Single Shot and Gyro surveys, so plots of both methods are shown on Map 2.

ABBREVIATIONS USED IN CORE LOGGING AT TROUT LAKE

abund	abundant
accomp	accompanies, accompanied
act	actinolite
adj	adjacent
aft	after
agglom	agglomeration
alb	albite
alt'd	altered
alt'n	alteration
amt	amount
ang	angular
anh	anhedral
ank	ankerite
aph	aphanitic
app	appearance
arg	argillite
ass	associated
avg	average
bdly	badly
bio	biotite
bkn	broken
btm	bottom
BXCR	broken core
bxx	brecciated, brecciation
Ca	calcium
carb	carbonate
C/A	core axis
c.g.	coarse grained
chlor	chlorite
compo	composition
conc, concen	concentrated, concentration
conf, conform	conformable
consid	considerable
consist	consistent
corrod	corroded
cp	chalcopyrite
cren'd	crenulated
crys	crystals
def	definite
deform	deformation
desc	described
dev	developed
diff	difficult
disrupt	disrupted
diss	disseminated, disseminations
dist	distinct
dk	dark
dolo	dolomite
dom	dominantly
env	envelope
esp	especially
ess	essentially
est	estimate
euh	euhedral
exp	explanation
ext	extensive
feld	feldspar
f.g.	fine grained
fol	foliated, foliation
fra	fracture
freq	frequent
ga	galena
garn	garnet
G.D.	granodiorite
gdms	groundmass
gen	general, generally
gen'tn	generation
gra	graphite
grad	gradual, gradational
gran	granular
hbld	hornblend
imm	immediately
incip	incipient
inclu	inclusion
indist	indistinct
indiv	individual
infreq	infrequent
inject	injections
irr, irreg	irregular
lam	laminated, lamination
lg	large
lmst	limestone
lt	light
mass	massive
med	medium
m.g.	medium grained
minl	mineral
minl'zd	mineralized
minl'zn	mineralization

(Continued)

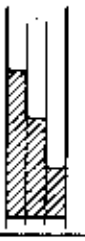
mod	moderate
mo, moly	molybdenite
mus, musc	muscovite
num	numerous
oblit	obliterate
occ	occasionally
orig	original, originally
ortho	orthoclase
part	particularly
pcs	pieces
perv	pervasive
pheno	phenocrysts
plag	plagioclase
po	pyrrhotite
porp	porphyry, porphyritic
poss	possible, possibly
pref	preferentially
prob	probably, probable
prom	prominent
py	pyrite
pyx	proxene
qtz	quartz
qtzite	quartzite
Qtz Dior, QD, Q Dior	quartz diorite
reg	regular
rel	relative
replac	replacement
sauss	saussurite, saussuritization
sec	section
sed	sediment
ser	sericite
serp	serpentine
sch	schist
schl	scheelite
sil	silica, siliceous, silicified
sim	similar
skn	skarn
slt	slight
sm	small
smtm	sometimes
sph	sphalerite
stru	structure
stwk	stockwork
sub-hed	subhedral
sugg	suggests
sul	sulphides
surf	surface
surr	surrounding
suscept	susceptible
text	texture
v	very
w	with
w/o	without
wk	weak

~	approximately
X-cut	crosscutting, crosscuts
//	parallel
⊥	perpendicular

DRILL LOG

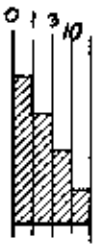
PROJECT: TROUT LAKE	GROUND ELEV.: 4456.0 Ft. (1358 m)
HOLE NO.: 78-1, -1A, -1B	BEARING: 245° or S 65° W
LOCATION: 9580.1 N, 818.8 E	DIP: -75°
	TOTAL LENGTH: 4000 FT (1219.2 m)
LOGGED BY: H. C. BOYLE	HORIZONTAL PROJECT: 2741 FT (622.1 m)
DATE: MAY 24, - JULY 20, 1978	VERTICAL PROJECT: 3356 FT (1022.9 m)
CONTRACTOR: CANADIAN LONGYEAR, VANCOUVER B.C.	
CORE SIZE: 0-52' CASED; 52'-1071' HQ; 1071-3080 NQ; 3080-4000 BQ	
DATE STARTED: MAY 6 1978	
DATE COMPLETED: JULY 16 1978	
DIP TESTS: SEE PAGE 26	

ALTERATION SCALE



absent
slight
moderate
intense

TOTAL SULPHIDE SCALE



traces only
< 1%
1% – 3%
3% – 10%
> 10%

COMMENTS

TOTAL RECOVERY INCLUDING REPEATED FOOTAGE AND EXCLUDING CASED AND TRIGNED FOOTAGE = 87.4%

RECOVERY GIVEN IN FEET SHORT PER RUN LENGTH

MATERIALS LEFT IN HOLE (STUCK)

38 NG RODS FROM 2700 - 3080 (CUT AT 2700)
108 HQ RODS FROM 0 - 1086 (CUT 3 TIMES WITHOUT SUCCESS)

LEGEND

Abreviations - see seperate legend.

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DEPTH (FEET)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION Chlor A	Ser B	Sil C	Sio D	E	FRACT INTENSITY
0				0 - 52 CASED						
20										
40										
60				52 - 121 SILICIOUS ARGILLITE Well foliated black to light grey argillite with abundant knots and						FR
	2.0		Black rusty tight content w/ much qtzite veinlets	streaks of mg. qtzite w chlor and limonite (oxid py?) Fol is occ highly contort. sugg. ext. deform and sil is diff and prev in some sec. Core is very rusty						FR
80	1.5 2.4			and badly broken to 93' Fol C/A 35°						
	0.6		Light grey colour qtzite leaves	Rare qtz veins						FR
100	1.0 1.0									a
	0.5 2.0 2.5			Core has glassy - high sil content						FR 6
120	1.5 3.0 1.6 2.0			121 - 147 FAULT ZONE Consists of pcs of surrounding rock in a muddy gouge. Pcs are ang and randomly orient. Gouge is tan (rusty) to grey and pcs range from sound size up to 14" lengths of core						D 6
140	2.5			- 12 ft of core 14' long almost all chlor, qtz vn. Pcs have a chlor sch ~ 144						D
	2.5 1.6			147 - 164 CHLORITE SCHIST Dark Green chlo sch w some minor streaks of blu or whit flecks of plag. Hg. w Fol C/A of 15°						D
160	1.4 1.3			164 - SILICIOUS ARGILLITE As described above. Fol turned 11 to C/A Fault zone 174-177 and at 169-170						D
180										

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS
		0								
		20								
		40								
Limonite in pyrite stringers as well as is probably after py.		60								
		80								
		100								
		120								
		140								
		160								
		180								

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DEPTH (FEET)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACT INTENSITY
180	0.4			164-200 SILICIOUS ARGILLITE						
	0.6			Some narrow qtz veins (few narrow (1/8") chlor env						1
	1.7			badly broken and rusty ground 180-87						6
	0.8			Rusty 2" qtz vein broken at 195						
200	2.5			200-234 FAULT ZONE						
	2.6			Extensive section of badly broken and						5
	3.2			faulted rock w numerous zones of rusty						BR
	3.4			muddy gouge and broken rock. Nature						CR
220	1.7			of clastic and gouge material changes to						
	4.8			carbonaceous from 214-225'						CBR
				LIMESTONE						CR
	3.5			Dark to light grey banded limst						5
240	2.2			fg to mg with some lenses of creamy						
	1.5			qtz. Banding varies from 20° to 11 c/a						11
	1.7			Frequent badly broken muddy						6
	1.3			zones suggest faulting. Some						
260				zones approach c.g.						
	0.7									
	4.9			266-284 FAULT ZONE						4
				Consists of pcs of limst above up to 8" in						BK
	4.5			length in a dk grey muddy carbonaceous						CR
280	4.7			gouge Rusty weathering						
	0.5			284-328 LIMESTONE - ARGILLITE						1
	1.2			The limestone is similar to the						
	0.7			above except that it contains streaks						2
	4.6			of dark grey rusty weathering arg.						
300	0.5									
	1.7			poss fit abv about 305-7 There is also some dev of chlor giving						2
	0.14			rock green cast Qtz flood is intense in						
	0.0			some areas w some bleaching. Rock						17
320				badly broken and very rusty fol 11420's						
	0.2			-319-20 Qtz-gtz carb veining w 1/4" wide						
	0.5			abv env carrying fg-mg euh disp						2
	10.0			328-387 FAULT ZONE						BK
340				Marked by extremely broken and						CR
	2.0			muddy core Pcs range from sand						
	1.3			through pebble & pcs exist in matrix loam						
	0.3			of dark grey phyllitic most chlor gr sch,						BK
	1.3			to a fine chlor sch w, fg to chlo lenses						CR
	1.0			poss. Some S.ER. Fol when seen is very low						
	3.5			angle to C/A Some zones of high						
360										

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS
Minor py in streaks (chl?)		180								
		200								
		220								
		240								
		260								
		280								
		300								
- fine euh py dis in alt envl		320								
		340								
		360								

R D PENHALL LTD MADE IN B.C.
DUKSBAK WATERPROOF

WP-6275B

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DEPTH (FEET)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	ALTERATION B	ALTERATION C	ALTERATION D	ALTERATION E	FRACT INTENSITY		
360	1.8			326-387 FAULT ZONE						BK CR		
	2.4			quartz content was seen. Qtz. poly								
	1.5			g/L vein w/ chlor. seen. Xcept Lst								
380	1.1											
	5.4											
	3.6									BK CR		
	1.7											
				387-516 No Core - Triconed								
400										BK CR		
420										BK CR		
440										BK CR		
460										BK CR		
480										BK CR		
500										BK CR		
	27											
520	1.5			516- QUARTZITE						BK CR		
	3.2			Lt gray fg tonal w/ milkiness, stark								
	2.5			well fol. at 30° GM calcareous cement								
	2.0			Qtz is dirty gray & well deformed								
	0.3			pentagonal crystals. Core is mostly in								
	1.4			cable size angular pcs						BK CR		
540	0.5											

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS
		360								
		380								
		400								
		420								
		440								
		460								
		480								
		500								
		520								
		540								

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DEPTH (FEET)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	ALTERATION B	ALTERATION C	ALTERATION D	ALTERATION E	FRACT INTENSITY
540	3.5			516-578 QUARTZITE						
	2.6			Schistose bio-chlor zones at 530-34, 52.6'						
	0.8			Cut by qtz-chlor veins						
	0.1			Rock core much better (Tyler) from 518 and						
	0.0			becomes cleaner and lt grey under chlor lens						FBR 2
560	10.2									
	1.8									
	0.4			562 to 572' From 572' to 578 the						
			Chunky lt grey qtzite	core is a bio-chlor schistose qtzite, poss sil chl?						10
	2.0			574.2' Qtz carb chlor w wk chl po and moly						
			Mostly all type in Gtz rock into vein 578-623.3	lt to fol at 35° CA						6
580	1.6			FAULT ZONE						
	2.7			Consists mostly of pebble to cobble						FBR
	1.3			size pcs of grey qtzite and bio-chlor qtzite						
	2.6			with pcs of qtz carb vein carrying						
	2.5			po and minor Sp, gn. Very ltly						FBR
	3.8			mod. Slicks and fol sub-lt to						
600				CA at start of fault zone						
	4.6									CBR
	6.7									
	6.9									
	2.3									CBR
620	0.8									
	6.7			623-647 QUARTZITE						
	1.4			Dk grey dirty qtzite desc. above w some						C
	1.2			bio-chlor clev. zones. Fol at 30° CA						
	1.2			Cut by glassy grey and white qtz-chlor						F
	0.0			vein w/ some poss bio vein. Reddy						
640	1.5									
	1.1			brown core						FBR
	1.2			Last 8ft just ground chips						
	0.9									
	5.9			655-760 No Core = Trenched						CBR
660										
	9.9									FBR
680										
										FBR
	37									
700										
										D
720										FBR

WP-6275C

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS
		540								
		560								
Bo in vein, dis along fol and rights other veins occ w wk moly along walls		580								
		600								
		620								
		640								
		660								
		680								
		700								
		720								

VP-6275B

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DEPTH (FEET)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACT INTENSITY
720										
740	583									
760	1.4			760-811 LIMESTONE Massive white fg. to mg limestone w/ a somewhat cream or blue grey mottled effect in some zones. The limestone itself is virtually featureless but the rock is shattered by numerous rusty weathered fractures. Rock initially blky to ~778.						
780	1.1		40°	- Skny breccia 780-84 of dk green pyx and chlor-bio in a cream dolo matrix ~80% lost						
800	2.0									
	0.4			809 - muddy seam - pass fault						
	2.9			811-829 SKARN dk to lt green & lt milk brown skarn of pyx, bio dolo lost sil aggn chlor act. py-po						
820	2.1		rusty fract.	fol to cross w vein & breccia text some intervean muddy lost as above						
	2.4			829-898 LIMESTONE as described above very uniformly wh & massive						
840	3.4			- wk malachite						
	0.2			853 shattered rusty fractures 6" wide						
860	0.9			862-64 shatter rusty fractures zone						
	0.2			877 rusty shatter fractures						
880	0.8									
	1.4									
				898-913 SKARN						
900										

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS
		720'								
		740								
		760								
		780								
		800								
		820								
		840								
		860								
		880								
		900								

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DEPTH (FEET)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	ALTERATION B	ALTERATION C	ALTERATION D	ALTERATION E	FRACT INTENSITY
900	5.5			898-913 SKARN						1
	0.3			as described above can be veg to aph						
				includes sec. of white sil marble						
				913-979 ARGILLITE						1
920				Dense black sil py arg w knots						
	0.4			of light grey and pass semi bio						4
	1.3			high graphitic partings grn gph						
	1.3			fol is highly contorted and variable						4
				grn dk colour but green and/or brownish						
940				cast suggest chlor / bio respectively						
	1.1		channel base	occ qtz carb lenses and veins and						2
	1.3			qtz chlor lenses						
	0.8			- 949-959 qtz/ch w schistose texture in						2
	3.2			bio and chlor, fol variable						
			pink felt	- 959-960 sharp contact con shear and mostly						
960	0.8			- 960 dk black py graphitic shaly arg						3
	1.4			sim to above numerous knots of						
	2.8			qtz chlor and fine hill qtz carb veins						15
980	2.1			979-1142 SILICIFIED SCHIST						
	1.2			Dark grey to green and brown with						7
				some lt grey sections Vfg to veg but						11
1000	1.4			gen bio grained. Occ qtz breccias						
				cg and granular. Foggy qtz/ch Contrib						
				of bio, chlor and qtz w about 30% bio						
				20% chlor and 50% qtz and poss some						4
	1.7			plag. lt grey sec ser sericite						6
1020	0.0			Numerous lenses and knots of qtz-chlor						
				po py and qtz chlor veins. K cut fol						
				fol variable but around 45°-50° c/a						
	0.1									4
	1.8									
	1.8			- badly broken rock with an annealed						4
1040	1.5		1032-1063	breccia looking texture, seaming and dolomite						
			- possible fault	slightly rusty, poss fault zone						
	1.0									1
	0.3			high ser w blebs of white qtz in a sheared						
	2.8			breccia text at above core broken						2
1060				Crude fol at ~40° c/a						
	2.5			- broken ground poss some seep in here						BK
	1.7			and slippage						
	0.8			1072 very uniform bio ser sil/sch						2
1080				to occ veins of quartz						

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DEPTH (FEET)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	ALTERATION B	ALTERATION C	ALTERATION D	ALTERATION E	FRACT INTENSITY
1100	0.6			1139-1142 SILICIFIED SCHIST gtz w. some chlor. The bio and ser are in the banded and appear to increase by depth each ser. - complex gtz clay chlor vein at 1109-1110						4
	0.8									3
	0.0									
1120	0.3			fg along bio in vein and ass. w. chlor - post some bio env. alt'n around vein						9
	0.2									1
				occ. bio sch w. some minor chlor in gtz vein and some sm. fol gen at 40° c/h but shows disrupt and folding						
1140	1.1									8
	0.4									2
	0.1									
	2.6			1142-1156 FAULT ZONE actually two narrow zones at 1145-44 and 1151-1156 w. intervening bio and vein qtz of some bio sil sch, muddy gouge w. pebbles						2
	0.3									1
	1.4									
	0.6									
1160	0.0			1156-1249 SILICIFIED SCHIST						
	0.4			as described above - more ser alt'n, and more pervasive where present - ser occ. controls dis. py in fine-sch gouge as ass w bio and w gtz veins						1
	1.6									7
	1.9									
1180	0.0									2
	1.6									0
	1.7			- 1198-99 sheared blk ground, minor mud, poss fault						
1200	0.3									1
	0.2			1215-18 heavy dis py						1
1220				- 2" musc with gtz vein, sand w. green ser, open space						
	0.1									6
	0.6			- 1230 dark, dispersed ser content each - showing much darker more bio-chlor ser, well sil fol (ser disrupt with						1
	0.1									
1240	0.1									
	0.3			and altered appearance of whole qtz. sl. chlor ps veins & host, quartz mineralized						2
	0.6									
	4.4			1249-1262 FAULT ZONE						BX
	2.0			marked by minor muddy gouge, broken ser and chlor and bio-ser on the slip surfaces						
1260										

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS
1100 - 9/2 vein		1080 1100 1120 1140 1160 1180 1200 1220 1240 1260								

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DEPTH (FEET)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	ALTERATION B	ALTERATION C	ALTERATION D	ALTERATION E	FRACT INTENSITY
1260	0.4			1249 - 1262 FAULT ZONE						
	0.7			1262 - 1402 SILICIFIED SCHIST						
	0.8			Mostly a dark bio-chlor schist with						3
	1.0			some incipient ser-alt'n along fol						
	0.4			planes and fra Abundant qtz						1
1280	1.2			1272 small mildly strong						
	1.2			veinlets ass' ser-alt'n but not						
				particularly heavy veining. Fol						5
	0.5			freq disrupt and control but where						
				consist varies from 25°-35° CA						4
	0.2									
1300	2.8									
	0.8			Ser prin up to 1320 fol 40°-50° CA						0
	7.8									
				sheared between pass fault 1310-1314						0
	0.8									
1320	0.8									
	0.0			dark and mon pre 1320 - 1342						
	1.2									14
	1.4									
	3.6			broken fra ground 1338-39						4
1340	0.4									
	4.9			1342 - 1360 ser-alt'n, silicific, filled						6
				with cream colored mac fill veins higher						
				qtz and an annealed breccia text						7
				suggs an old fault zone						
1360	4.6									
	0.1			1360 - 1401 uniform fg dk gr sil sch, finely						2
				fol at ~ 50° CA, minor shear zones						
	0.1			of ser alt'n some qtz and some						13
				cream colored bio fol veins & fol						
1380				are heavy chlor very mod coring						
	3.5			rock very hard to rugg carg fra						
	1.5									11
	0.1									
1400	0.0									9
				1402 HOLE TESTWATER'D W/ ATTEMPT						
				WEDGING OFF ALUMER W/D HOLE						
				WEDGED OFF AT 1075'						

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS
		1260								
		1280								
py ... blebs in fm and clots in ... sev		1300								
		1320								
heavy py ... w. sheared and fg zones and heavy sericitization		1340								
		1360								
		1380								
		1400								

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DEPTH (FEET)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	ALTERATION B	ALTERATION C	ALTERATION D	ALTERATION E	FRACT INTENSITY
1080				WEDGED OUT 1092 IN 78-1 (STD)						
			1093 - 1139	SILICIFIED SCHIST						
	.6			Dk grey bio-chlor fg sch w brownish						
1100	.5			w greenish cast & relatively numerous						
	.5			knots, lenses and veins of granular						
	.1			milky qtz-chlor w some or less po.						5
1120	1.7			Very occasional indist. phenos of						
	2.0			which felsic (albite or k-spar?). Veins						
	1.0		wisps at 1123 (BCT)	are v. rare but few v. thin						4
	1.8			and fairly uniform at 50-60° C/A w						
	1.6			some zones of disrupt						4
1140	.8		1139 - 1151	FAULT ZONE						
	1.4			Marked by thin sand & pebbles of surround						BKR
	2.5			rock, sheared appearance, dev of many chlor						
	3.3		wisps at 1149 (BCT)	surfaces, dev of min breccia, very little mud						5
	1.7		1151 - 1236	SILICIFIED SCHIST						
	.5			similar to above in text but comps of						
1160	.8			about equal bio & sec w less chlor and higher						
	.6			silica content. Also carries py as wisps						5
	2.8			Has grey lighter colour and overprinted						
	.9		? relicts of poss sphalerite	alteration appears fairly variable at about						3
	.5			40-45° C/A						
1180	.7			Becomes bio-chlor sch from about						
	1.0			1124						2
	.6									
	.4			- 1193-98 highly disrupt qtz-chlor						4
1200	1.1			py zone						
	.3			Heavy sericite around 1202-1219 accomp						
	.9			by heavy py, heavy qtz and disrupt fol 1214-1219						7
	1.0									1
1220	.4									
	.7			- 1227 - 29 broken and sheared core						3
	1.8			1232-34 qtz augen text in zone of						
	1.6			disrupted fol sub ll C/A						BKR
	2.0		1236 - 1263	FAULT ZONE						
1240	1.7									
	1.8			Marked locally broken core of surrounding						
	1.1			rock very little mud. Occ. fine grained						4
	1.2			pebbles. A section of core from						
	2.0			1248 to EL of core hilly qtz-chlor						BKR
1260	2.6			bio sch w minor chlor						

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% MoS_2	% WO_3	%			COMPOSITE ASSAYS
		1080								
		1100								
po occ as disc and clots etc in chlor ss lenses of green milky qtz and as veinlets along fol planes		1120								
		1140								
Sparse and po seen in hem stained white massive qtz		1160								
1172 poss bott rich selvedge of clay walls of xcut ¼" Qtz lenses at 30° CA brown clay coating all in brown sericite		1170	5	SIS 26	.001	.01				
		1175								
		1180								
		1200								
py occ seen as fine fill veins		1220								
		1240								
		1260								

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DEPTH (FEET)	% Core Recv	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	ALTERATION B	ALTERATION C	ALTERATION D	ALTERATION E	FRACT INTENSITY
1260	2.2			1236-1263 FAULT ZONE						
	1.2			1263-1405 SILICIFIED SCHIST						
	1.0			Fair general bio chlor sch. w some ser						6
	1.2			alt'n and some gtz chlor lenses. Some						
	1.1			X-cut gtz veins and few fill gtz veins						9
1280	.1			Argillaceous or clayey from 1282 and						
	2.0			pass gtz'd at unusual 1 ft.						W
	.3									
	.1			1297-1300' highly sheared and broken core						M
1300	2.6			sugg. pass veinlet fill, granular type						
	2.2			of fract. sugg. grind of gtz.						
	2.1									2
	.6			1310-11 bleached granulated rock - ctg. clear vein						
	1.7			brown tolerant bio 2nd veg.						F
	.5			numerous hairline fractures parallel core						
1320	.9			Strongest concentration fol						
	1.0									W
	0.0									
	0.0			fairly reg fol at 45° CA						M
1340	.1									
	.8									
	1.2			1351-1355 granoblastic overprint gtz vein						M
	1.1			sub-II fol						
1360	.1			fairly regular fol at 50° CA						
	.2									W
	.9			core is gen a fg. slt bio sch w less chlor						
	0.0			and some ser alt'n grading into vein						
	.2			and gtz veins. Est about 20% gtz as						M
1380				lenses and less common X-cut veins						
	0.0			occ. carrying mass. to disc chlor w ass pyrite						
	.2			and rusty spots. Rock is freq. faulted and						S
				a lighter brown sugg 2nd						
1400	0.0			- sugg gtz veins ⅛"-½" thick cut sch						
				bleaching of core 1400-1402						S
			1405	HOLE TERMINATED WEDGED OFF						
				AT 1215						

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS
pp. veinlets in chlor. sericite schist and qtz. vein fill pp. each side in sericite gneiss as sec.		1260								
		1280								
		1300								
pp. clots in qtz. vein and adj. chlor.		1320								
		1340								
		1360								
		1380								
		1400								

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DEPTH (FEET)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	ALTERATION B	ALTERATION C	ALTERATION D	ALTERATION E	FRACT INTENSITY
1200				STAINED WEAK CT AT 1210-15						
				1215-1250 SILICIFIED SCHIST						6
1220	2.6			2% fine bio ser gen dk brn/grn dk brn/grn lite						
	1.4			brn/grn in color due to ser alt'n. Brn/						
	6.0			gen dk fg knd frags in a lighter brown						13
	.1			matl felted veg flakes resp 2nd stage						
	2.0		mod chlor shear zone	schist gtz veins X-cut fol at 40°/a						6
1240				high gtz content as grey glassy lenses w						
	.3			chlor and py. Some veins have						
	.6			bull coloured wall rock with 1/8 to 6"						6
	.9			numerous X-cut hairline fractures 4"						
	.7			1250-1270 FAULT ZONE						5
1260	.3			Series of narrow (1"-2") mod/h gouge w pebbly						
	.3		rock gouge mod con fab 12° to bc-ca	fine granulated rock at 1250-1260-1270 w						
	.3			intervening zones of fractured rock of surround						2
	.6		1270 gouge cont con at 22°C/a	rock and pcs of core up to 1"						
	.1		1270-1498	SILICIFIED SCHIST						4
1280	.6			As described above. See Logs 2 2111						
	1.1			more pervasive in some places rock as						3
	.1			a whole looks less fractured type						
	0.0			Several 1/8 gtz veins X-cut foln from 1290-1						0
	.7			See incipient explosion bx						
1300	1.4			1296-1304 high sheared and taken core some						
	.6			mod/h gouge + prog shear zone or sm fault						3
	.5			1310-11. 3/4" gtz vein X-cut sch w chl/py and mdy						
	2.0			shear freq have dg felted appearance						8
1320				w occ irreg cobbles bx along fol. 45°.						
	2.0			Schist ass w bx and glassy grey gtz lenses						
	.3									3
1340	.0									
	0.0									
	1.0			chlor coated slips on irreg surf at 1345-7						8
	.11			generalized brecciated looking core at 1351-2						
1360	.3			at 25°C/a						11
	.1			Schist very felted & lineated and crumbled						4
	1.1			between 1360-67						
	.6									
	.2			1" milky gtz vein 11-Cp 1378-81 w bull						4
1380				qtz (quartzite) at con and diss py-po						

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% MoS_2	%	%			COMPOSITE ASSAYS
		1200								
Py and po as seen in drill + glassy qtz.										
qtz. lenses as thin as 1" & 1" wide and rarely as		1220								
thick as 6" & 8" wide. Good results										
		1240								
		1260								
		1280								
		1300								
Py and po mainly in wide qtz. vein			10	51527	<.001					
		1320	10	51528	.003					
			10	51529	<.001					
		1340								
		1360								
		1380								

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DEPTH (FEET)	% Core Recv	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACT INTENSITY
1380	3			1270 1490 SILICIFIED SCHIST						4
	0.0			- in high ser zone ¼" qtz ppy veins terminate against subvert qtz ppy veins						4
1400				- 1390-1403 moderate foliated fault zone - sheared wk ltd qtz/ch to 11 x 14 very broken						
	2.2			- ser zone 1400-1420 slightly sericitized						2
	1.7		qtz-ank-py veins w/ wkly ppy	- sch becomes ser and coarse more sul + some coarse wkly min'zn						7
1420	1.7			- 1427 brecciated sch in mud matrix - sm fault						
	3			narrow fm fill veinlet of wk(?) very py removed 1415-31						5
	.4									
	.00			- slightly sil'd fol bio diss cg and felted zone of 2nd bio as narrow alt'n env to veins and fm						10
1440	.5									
	.08			- stormy 11 green and brown banding 1450-67						14
	.02		-1457 (all 30° ch	some wkly ass w ppy-po qtz chlor veins						4
1460			- wkly sil'd	- 11 green grey ser interpenetrative replacement bio along fol and as env to fm and veins becoming more pervasive with depth						
	.08		qtz veins							8
	.01		qtz-ep-py chlor pbs veins							
	.02		qtz (?) wkly.	- qtz veins trend to strike along C/A are 1"-2" wide and undulatory and						6
1480			qtz ppy-wkly sil							
	.03		ilm py wkly sil qtz ppy - wkly qtz ppy wk sulf	- carry sulf along with wkly ppy to coarser veins of qtz and qtz-wkly						7
	.03			- veins and wkly disappear ~ 1490, more bio and qva and sch has mylonitic app.						
1500	.02			1498-1503 FAULT ZONE						2
	.07			marked by py-qva wkly purge and mylonitized sch						
	.02			1503-1532 SILICIFIED SCHIST						2
1520	.02			As described above, high sericite schist-qtz wkly filled fm. Mod bio some felted from 1510 on						2
			¼ qtz ppy wkly sulf veins	- 1524-26 qtz vein zone						
	.02			- very little visible wkly						3
				1532-1549 SILICIFIED QUARTZITE						
	.02		-1% py/bands sulf in -6" qtz veins/veinlets	1° grey almost aphanitic qtz'ite, thinly foil layering and ill defined seams						7
1540										
	.05			- ill defined Almost all gtz w/ ch ppy along banding. Some fm and veins						8
	.03		- wk mod qtz veins	1549-1714 SILICIFIED SCHIST						5
				As described above except more bio as bio env and as fm - shiny						
1560										

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% MoS_2	% W	%			COMPOSITE ASSAYS
Mdy ass w py in qtz vein along vein wall.		1380	10	51530	.006					
- 400 - py + trill seam in qtz lower on w. chlor		1390	10	51531	.001					
- vein ass w py in qtz and vein wall. - vein ass w more buff dy in /m.		1400	10	51532	<.001					
		1410	10	51533	.002					
		1420	10	51534	<.001					
		1430	10	51535	<.001					
- vein wall ass w mod in shear sch - wk mo chlor in qtz vein w py		1440	10	51536	<.001					
		1450	10	51537	.001	<.01				
- 1/8" film of mo along wall of qtz chlor, 400 py vein along side of core, bio cavity, mo ass w other sulphides and a 6" qtz py vein with good dis mg. moly		1460	10	21538	.048	<.01				
		1470	11	51539	.005	<.01				
- mass white qtz vein carry py + po lots w moly dissem along walls and ass w py and - mass. v.cg buff to orange schl, veins are usually vuggy		1480	9	51540	.048					
		1490	8	51541	.001					
- fg py in blk grey fault gouge		1500	5	51542	<.001					
		1502	9	51543	.001					
		1512	10	51544	.005					
- weak moly dissem throughout qtz py vein. - wk fg py dissem along vein wall		1522	10	51545	.003	.01				
cg buff schl in hanging qtz vein and country rock		1532	8	51546	.006					
		1540	9	51547	.003					
		1549	11	51548	.001					
		1560								

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DEPTH (FEET)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	ALTERATION B	ALTERATION C	ALTERATION D	ALTERATION E	FRACT INTENSITY
1560	1.0			1547-1714 SILICIFIED SCHIST						4
	0.4			- microphlem. pors. shny qtz vlts 1570-75, 1589						9
1580	0.6			- sch is ~60° to clin. from 75 and 4m. fract.						
	0.4		- vuggy to mod. as w/ qtz. vns. stdy of fols, crnt vcr well but wr loss	- incr. fol. and banding, shiny zones						6
1600	0.2			2nd bio						3
	0.0		- 8 qtz vein + 2m wide mod. dis along 2nd set of jts	- good schistose text from 1587 w/ roughly equal proportion of ser and bio. Core is fine to med grained often w folded text. Ser aggs are cut around for as well as incip. cataclasis						8
1620	0.5		- 2m chlor vein not	along fol and cut by qtz veins. Mod. as frequently seen in						5
	0.3		- 10m qtz vein cuts minor qtz vein	- qtz vein follows fol and cuts earlier mid-steep qtz veins, both appear to be carry wk mod						3
1640	0.1			- minor mod. ass w shear zone at shiny point and through vein cut by shear zone						6
	0.2			- wk mod ass w qtz py veins w veg wgs and chlor						7
1660	0.1									10
	1.2			- narrow mod. leaving qtz vein skips along wall of core between 1676 and 81						1
1680	0.3									3
	0.8			- schist becomes more friable, tending to split along fol w chlor gm wash coatings						2
	0.7			- 1687-88 crumbled core shear zone						1
1700	0.3									
	0.7			- core well dev and well fol at 45° CA and gen. folded text with augens of qtz at around 1710 but mod only since 1687						2
1720	0.7			1714-1722 FAULT ZONE						3
	0.3			Marked by broken crumpled and mod core at 1714-17 and 1720-22 with fair ground core between						2
	0.4		1722 - qtz py mo	SILICIFIED SCHIST						2
	0.9			As described above. Folded and intimate mix of bio and ser as well fol sch w many qtz chlor ca-- veins, breaks, lenses and bands						
1740										

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% MoS_2	%	%			COMPOSITE ASSAYS
		1560								
...cal ore py and mo appearing in qtz chlor lenses and on fracture as only detected visually		1570	10	S1549	.003					
			10	S1550	.001					
		1580	10	S1551	.003					
		1590	10	S1552	.001					
		1600								
Py and mo appear more common as with qtz chlor lenses and also in qtz veins. Moly is seen vertical to qtz veins as well also along these walls and a ... ore type in less in veins		1610	10	S1553	.002					
			10	S1554	.003					
		1620								
...very minerality moly ... are wallets and disc of py, po-py-chlor in qtz veins from ¼" - 1" thick		1630	10	S1555	<.001					
		1640	10	S1556	.010					
			10	S1557	.008					
		1650	10	S1558	.025					
Moly is very fine dusty specs as in and chlor along vein walls, py-sec as eg. euh grains in vein		1660								
			10	S1559	.014					
		1670	10	S1560	.020					
		1680								
			10	S1561	.009					
		1690	10	S1562	.001					
		1700								
...Sulphides noted are restricted to py and po .02% in qtz chlor knots and lenses in the sch:		1707	7	S1563	.001					
		1714	7	S1564	.002					
		1720	8	S1565	.002					
		1722								
Trace dis moly seen along wall of many qtz veins as well as py		1730	8	S1566	.002					
			10	S1567	<.001					
		1740								

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DEPTH (FEET)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACT INTENSITY		
1740	0.2			1722-1800 SILICIFIED SCHIST ...						0		
	0.5			...						4		
	0.8			...								
1760				-1760-61 Hwbly shear zone chlor clay 25° CA						0		
	0.0			-1761-69 M grey amorphous qtz-felsic zone with intervening sch at 63-67						17		
	0.6			-≈3 en echelon qtz veins (barren) and tiny qtz vein								
1780				-mo in qtz py wisps veins								
	0.2			with strong wispy py. 1778-1796 fine grained amorphous qtz w elongated dissem py						16		
	0.3			- banded (mas py) zone from 1790-1800 approx ... as w. qtz-ser rich zone in sch (qtz stwk)						4		
1800	0.6			1800-1827 QUARTZ STOCKWORK ...						7		
	2.8			qtz veins and stwk along core axis						2		
1820				Mass white qtz veins w. veg. musc and rock disseminated along with and as wisps of mass eg. py Tect and mass wisps character along w. eg musc. suggest stack ass w east side of depositional higher								
	0.6			elev. Ends in dk grey muddy, brecciated core						6		
	1.5			about 6" long w clasts and fault of qtz and silsch								
	0.1			1827- SILICIFIED SCHIST ...						4		
1840				Gen dark brown well bd. at 30° ± 45° CA. Much less silic than core above								
	0.8			with some ser wisps along bd planes and as core around frx but much less pervasive Bio similar but mag drilled appr. Qtz veins common as qtz-chl-py bnds and lenses conform w bd. ...						15		
	0.0			- qtz mas py w minor ser and cg. calc cream field						5		
1860												
	0.3			suspected as inject along bd planes and rarely as veins ...						7		
	0.0			...						5		
1880												
	0.0			4" wide qtz vein w chl, py, ±sph wisps						5		
	0.0			Some ser dominated zones also with 2" width at 20° CA contacts mostly w other sul and less w/ wide ser zone on one side w some cg mica and mg dissem py-sph						7		
1900												
	0.0			Complex qtz veining with py as wispy seams						6		
	0.5			Wide qtz veining is mostly massive milky qtz with local ... some minor ser ... few small fragments and crosscut bio altered ...						1		
1920												

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% MoS_2	%	%			COMPOSITE ASSAYS
		1740								
vdg wk moly along walls of E/W vein			10	S1568	<.001					
		1750	10	S1569	.005					
		1760								
			10	S1570	.014					
		1770	10	S1571	.092					
vdg moly also along walls and										
E/W right vein which also has py and cg mosc, which undulate		1790	10	S1572	.002					
along vein axis			10	S1573	<.001		1380	1800	= 420	@ .008
		1800								
Moly occurs as fairly fine paint along the walls of massive white qtz veins, as cg rosettes and as cg mosc also along vein walls and massive chlorite as w. cg py		1809	9	S1574	.173					
			9	S1575	.129					
It also occurs as fg clusters along		1818								
vein walls and as paint on shear		1820	9	S1576	.110		1820	1827	= 21'	@ .137
surfaces. Est .2% MoS_2		1827	7	S1577	.001					
		1834	6	S1578	<.001					
		1840								
Very wk moly mainly vdg only			10	S1579	.002					
in narrow qtz veins		1850	10	S1580	.002					
		1860								
			10	S1581	.005					
		1870	10	S1582	.001					
		1880								
Moly occurs as dissem along vein walls and qtz w py and po. py-sph seen to border			10	S1583	.001					
frac in qtz vein. Py-po also seen in		1890	10	S1584	.001					
ser altd env rock		1900								
Moly as w qtz vein along wall and the			10	S1585	.004					
vein has a rim of qtz and po. Ghost		1910	10	S1586	.013					
shps of ser rock remain in vein										
Est < .03 MoS_2		1920								

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DEPTH (FEET)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION Chlor A	Ser B	Sil C	Bio D	E	FRACT INTENSITY		
1936	0.0			1827- SILICIFIED SCHIST						6		
	0.0		qtz vein subparallel to CA	1925-29' - comparatively low bio frac about every inch of .25° CA some w cream carb min(?) and w/ in vein						7		
1940	1.0		1940-5 1" qtz vein subparallel CA	Some very complex qtz veining w cg mica py-po chlor bio(?) minor feld and mafic						7		
	0.2			- 1951 numerous qtz chlor lenses some w large clots of mg chlor and by clots pyrite and occ clots of felted bio						5		
1960	0.0									6		
	0.3		qtz vein w xfg mafic shear							2F		
1980	0.0			A qtz-py-mafic vein is cut by a series of anastomosing veins of qtz-py-felt chlor and mafic veins, and is sheared by some						5		
	0.2		qtz felt pyrite vein w/ mafic selvage	1982-83 Very coarse w/ h vuggy qtz vein						5		
2000	0.1		qtz vein w mafic dissem along walls	- thick disc py in sch						5		
	0.0		qtz vein w mafic dissem in vein							11		
2020	0.0			- 2018 coarse clots of bio and chlor								
	0.0		qtz vein w mafic selvage and fracture by sericite veins	- 2020-22 Sheared carb vein with pyrite gouge and fel on either side is convoluted and sch contains augens of white qtz						7		
2040	0.2									7		
	0.0		qtz vein py mafic	Sch is country rock is very uniform in text and composition the only variation being the relative proportions of bio and ser w chlor staying fairly consistent a little less with ser. Fol is consistently at 40° 60° CA w/ a few chevron folds						5		
2060	0.2									4		
	0.0		qtz ser py mafic qtz ser py mafic fracture fillings	The schist is well foliated and mg with some felted flattening zones esp bio - 2074 qtz ser py mafic vein 3cm by narrow shear zone						4		
2080	0.0		qtz ser py mafic							5		
	0.0			- Rarer qtz veins develop very cg mica within them and at vein margins						5		
2100												

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% MoS_2	%	%			COMPOSITE ASSAYS
		1920								
			10	S1587	.003					
1734-35 1" qtz vein w/ eg. musc and some		1930								
clots of eg. py. and a wide alt. zone			10	S1588	.036					
(takes up bottom core) w/ fg eg. musc &		1940								
flakes and scattered gen. as clots below			10	S1589	.018					
qtz vein eg. musc and py. ex. po.		1950								
			10	S1590	.001					
		1960								
- v.fg. moly 'dust' in a narrow 1/2" qtz			10	S1591	< .001					
vein that also carries py and tr. galena		1970								
end of run			10	S1592	.005					
Fg eg in vein grades into clots of eg		1980								
dust in the wall rock with mg. grains			10	S1593	.005					
and moly as v.fg. dust along the walls		1990								
			10	S1594	< .001					
		2000								
- Moly mostly in wide white qtz w few			10	S1595	.002					
v.fg. flakes also seen along the walls		2010								
of the qtz veins			10	S1596	.006					
		2020								
- mod eg. fine moly			10	S1597	.003					
		2030								
			10	S1598	.010					
		2040								
- wk fg - mg moly dust along vein walls			10	S1599	.007					
		2050								
			10	S1600	.001					
		2060								
			10	S2618	.007					
		2070								
			10	S2619	.003					
veins with dust veins in qtz seen veins as		2080								
w fine in veins and v.wk dust along walls			10	S2620	.003					
		2090								
			10	S2621	.003					
		2100								

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DEPTH (FEET)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A (Chlor)	ALTERATION B (Ser)	ALTERATION C (Si)	ALTERATION D (Ep)	ALTERATION E	FRACT INTENSITY
2100	0.3		1827 - qtz ser py ±ms moly	SILICIFIED SCHIST - sch is well fol'd at 50°-70° CA						B
	0.1		1% ser moly	w/ axis fg dissem py particularly						
2120				outlines fg in ser rich zones						6
	0.1			- 2120-25 mass white qtz vein w 1"-2" alt'n						
				env of cg musc. contains ank with fold						9
	0.2			phases, pass slightly coarse and cg clots of						
	0.0		Qtz ser py moly vein cuts dike and mineralized veins	py and cg rosettes. Fairly well fol'd.						22
2140				-2139 similar qtz vein, wide alt'n env and mineln						
				2139-42 Granodiorite dykelet of yellow green						
	0.0		qtz ser moly cut by barren qtz vein	grey, w/ fg-cg granular mg. sugary text of						6
	0.2		qtz vein w cg ank fl and wk fg moly	qtz musc and white fold phases. Cut by						1
2160				narrow qtz veins, some mineralized. Upper						
				contact grad. to lower qtz vein						
	0.0									2
			qtz ser py moly w/ fg GD dykelet							
	0.6			2171 a mod mineral qtz vein at 20° CA is xcut						5
			qtz py moly	by a qtz fold - musc dykelet that is barren.						
2180				- core is broken around mineral qtz vein w slip surfaces						
	0.0			along vein walls at 30° CA						
			qtz fold musc py moly							5
	0.2			- core is becoming quite coarse grained						
			- barren qtz vein cuts mod chloritized wk mineral qtz veins	and folded in spots						1
2200										
	0.0		- qtz musc chlor py moly							4
			- qtz fold moly py							
	0.1			2210 Slightly bkn core, granulated sandy						
2220										
	0.1		qtz py py moly - GD dykelet along slip surfaces							11
	0.0			- mineral. qtz vein cuts mod GD dyke						
				2229 on sch becomes progressively coarser						3
2240				w obvious dark coarse bio in folded patches						
	0.1			and several small irregular dykelets						
				2246-52 GD dyke of qtz sericite, chlor and						5
	0.2			musc w disp and xcut ore, cg molybdenite. Appr						
				in upper portions quite uniform, mg equant inter						1
2260				locking grains and towards the bottom there						
	Recovery not done			are abundant inclus. (wisps) and fg to						
			Qtz ser py moly	mod well elongated clots, qtz + fg and musc phases						3
			qtz ser py moly	Contacts are gradational						
2280				sch is mg, chlor ser w mod stronk						
				of bio, very wvy fol'd at 60° CA						

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% MoS_2	%	%			COMPOSITE ASSAYS
		2100								
- fg. py. Mo - chl. wk. sericitic wisp			10	S2622	.003					
		2110								
- e.g. rosettes of moly ass. w wk.			10	S2623	.020					
		2120								
- bld within qtz vein, little dis along wall			10	S2624	.057					
- trace grained moly diss throughout vein		2130	10	S2625	.020					
		2140								
- fg moly in sil vein, cutting C.D. dyke			10	S2626	.053					
pass some wk. fg. diss moly in GD		2150	10	S2627	.003					
		2160								
			10	S2628	.003					
- moly is v. fg. diss throughout vein and		2170								
as coat on slip surfaces			10	S2629	.013					
- moly occurs as fg diss and on slip surf		2180								
			10	S2630	.005					
- wk fg moly diss along vein walls		2190								
			10	S2631	.009					
		2200								
- wk-M moly diss as f chlor along walls			10	S2632	.006					
		2210								
			10	S2633	.008			1827-2220 = 393'		@ .009
		2220								
- moly ass in ppty in qtz vein			10	S2634	.130			2220	2230 = 10'	@ .150
- moly ass with Ca(?) coat and fg diss		2230								
along qtz vein wall			8	S2635	.011					
		2238								
		2240								
			8	S2636	.007					
		2246	6	S2637	.011					
- 1 e.g. rosette contained within dyke		2252	8	S2638	.004					
		2260								
			10	S2639	.007					
		2270								
			10	S2640	.039					
		2280								

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DEPTH (FEET)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	ALTERATION B	ALTERATION C	ALTERATION D	ALTERATION E	FRACT INTENSITY
2300				...rk gy-mg coarse-gr w some strong 2nd bio zones ass w. Q Diorite sills						1
			- two varieties of shear zones w mod qtz-ser-py-mod veinlets	- 2287-88 several sm irreg Q Diorite sill like bodies with sch-wmakly comps of glassy qtz, white fsp, bio and chlor w disp to equigranular mg text						2
2320			...ultra qtz ser py mod-str veins	- 2294-2307 more 2nd bio + white text w chlor gouge, ser alt'n ens around fm and qtz veins						9
			2307-2466	GRANODIORITE						
				- 2307-12 Chill margin marked by a foliated text and color banding reflecting the rel.						3
2340	RECOVERY NOT DONE			prop of constituent mins of glassy qtz, white fsp (alt'd) chlorite and bio w some fg py-diss in the darker sections						3
				- 2312-15 mg-salt and pepper text rock prob of about a Qtz Diorite compos of						3
2360			...qtz py moly	glassy grey qtz phenos white plag and fg-mg bio largly alt'd to chlor w granular text, dk zones ass w hairline fms, some minor diss py-po in dark zones						8
	0.1		some pods of qtz ser py moly	- 2315-2391 Granodiorite, heavy qtz-ser-alt'n. A lt greenish grey equigranular mg rock w/ glassy grey qtz phenos ~ ¼" dia. in a groundmass of sauss, plag, qtz and fg ser. Contains abundant fg. diss subhedral py. Qtz phenos are subhedral and slightly						
	1.1									
	0.2									
	0.9		2384-88 qtz ser py moly fm							
2380	0.2		- qtz py moly							7
			- qtz ser py moly							
	0.2		...moly and py w/ bio zones							10
			- qtz feld py moly							
			- more qtz-ser-moly	corroded along boundaries - possibly overgrowths						
2400	0.2		...rock w mod qtz ven and qtz-moly	2391-2350 Fault Zone - most pcs of intact Gd, some qtz ser moly vein material and some mod fm w one sugg shear angle of 20° C/A. Subparallel to irreg fractures						12
			- several cm wide qtz ser py moly veins							5
	0.0		- Sil around core 2391. moly							
			- qtz ser py moly							
2420	0.0		- qtz py moly	high ser alt'n w. cg. remnants of diss moly.						13
				- 2411-2428 massive white qtz vein with very abrupt, almost slip surface contacts as shown. From 2411-14 the vein is highly complex						4
	1.1			w rich moly py-mineral ass with a highly ser inclusion (?) and is fm as dk streaks. It is gen clear with small pockets of ser py moly from 2414-28						
2440	0.0		qtz ser py moly							1
			qtz ser py moly							13
			qtz feld py moly							
	0.0			...shell ...ly ...ser...ed ... in places ... so ser variably that the granular text becomes all'd and ...						22
2460	0.0			...are the ones that carry the diss moly						18

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% MoS_2	%	%			COMPOSITE ASSAYS
		2280								
			10	52641	.034					
		2290								
			10	52642	.020					
		2300								
- moly ass w py as diss and along fine ...			7	52643	.036					
...gte veins		2307								
- fine grained subedral py is diss throughout (1%) as individual grains and as small aggregates (alteration)			8	52644	.003					
		2315								
		2320	9	52645	.013					
...very rarely (4 moly ...		2324								
			9	52646	.010					
		2333								
- v fg moly ass w py diss in gte vein			8	52647	.014					
		2340								
- fg-mg moly in fx and ass w py in pcs of wk gte		2341	9	52648	.022					
		2350								
- gte contact) sev py veins cutting wk mnlzd gte py moly vein			10	52649	.017					
		2360								
- moly ass w veg. clots of py in gte vein			10	52650	.008					
		2370								
- moly ass w phenes of py and with fsld			10	52651	.078					
- 1/2' barren wk gte vein cuts two veins		2380								
...carrying moly ... one well mnlzd width of moly in fx and ass w py the other wkly mnlzd			10	52652	.027					
- fg. moly ass w py		2390								
- w. sg. py and sec wk fg moly in gte vein			10	52653	.028					
		2400								
- gte with fsld sec py moly ... moly also occ along vein walls			7	52654	.029					
		2407								
- 2405-07 mg-cg moly rosettes in wk'n env of sec around narrow gte py moly vein and fx		2411	4	52655	.087		2230	2411	= 181'	@ .028
			9	52656	.260		2411	2420	= 9'	@ .260
		2420								
- moly ass w cg phenes of py and aggregates in fx within gte veins			8	52657	.024					
		2428								
			12	52658	.015					
- v wk moly in gte fsld as very occ py		2440								
phenes moly mly and in fx			10	52659	.035					
- several (15-20) narrow 1/2-1" gte veins w wk moly and cg py and sec		2450								
			10	52660	.046					
		2460								

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DEPTH (FEET)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACT INTENSITY
2460	0.0									
	2.0			2466 - 2506 FAULT ZONE — Initially consisting of about (2-3') pcs of highly altered clayey leached GD and qtz vn about rest of highly chloritized spy-pale green rock. Dark black vnlt in qtz vein material angy-subrdy. Grades down at 2480 to shattered and altd GD w/ clk coating on the fx perhaps mostly/gen. All is not quite as intense clay zone as top part of GD. From 2497 the core is already shattered complete						30
	2.1									13
	3.4									
2480	1.8									60
										24
	0.7									24
2500	1.3			qtz vein system with heavy sulphide mineralization in thick veins and in fox of wallrock and py. Ends abruptly at 2506 along contact fox at 40° to CA						13
	0.6			2506 - 2547 GRANODIORITE — As described above						0
2520	0.3			— numerous hairline sulphide filled fox at random orient — 1/4" core quite broken — qtz eyes still numerous — very minor qtz veining most narrow and indistinct						3
	0.0		qtz mdy py							4
	0.8		chloritized granulated core							
2540	1.3			2541 small fault thru granulated core with wht mud						7
	1.2		2547 - 2558 dio-poly-py	FAULT ZONE — Mix up of dk pc of GD granulated core and wht mud in gritty qtz sand chlor shrds						2
	1.0			2558 - 2585 GRANODIORITE						
2560	0.7		qtz py mdy	As described above — very uniform rock w pcam qtz phenos very little qtz veining but again brn hair fox w chlor grndg on them. Some shrds and pc of random orient. Core is						2
	0.3		qtz sm py mdy							3
2580	0.5		qtz py mdy	somewhat broken up						70
	0.1		2585 - 2591	FAULT ZONE — Breccia of angular qtz-GD clasts in black gritty mud						
	0.8		qtz sm mdy	2591 - 2599 GRANODIORITE — As above - grades in to brn bear Q Diorite w sch inclu						6
2600	0.2		Lower Contact mdy	2599 - 2638 MIXED INTRUSIVE AND SIL. SCHIST — Both are highly variable with the intrusive including the GD described above, a mg. Qtz Diorite of qtz phenos, white plag and bio altering to chl + an equigranular leuc a micro Qtz Diorite						2
	0.7		2599 - 2638 silicified bio-hbl GD cont. to 2611							3
	0.6		qtz py mdy							
2620	1.0		GD							10
	1.1		silicified GD	the same except for grain size and individual inclusions. The sch is a heavy bio variety with most of the green chlor and qtz leaves. Int is variable from 1/2 to 70° CA. Contacts are sharp, gradational and faulted and veined						10
2640			(?) qtz py mdy GD cut by silicified GD							

WP-6275C

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% $M_o S_2$	%	%			COMPOSITE ASSAYS
		2420								
		2460	6	52661	023					
			4	52662	.043					
= massive py in fine and as blebs ass w. qtz and chlor. wk moly noted in qtz vein material		2475	7	52663	.006		2420	2480	= 60	@ .028
		2480								
= py dis throughout the por of GD and the grey to black groundm is disturb. through the occ in the network of numerous fine qtz-py ss fg		2487	9	52664	.105					
			8	52665	.080					
		2497								
= mass py ss bx and as mass blebs		2500	9	52666	921					
= fine grained py is still well dis. throughout GD and wk. vfg moly is also seen as isolated grains and		2505	7	52667	.187		2480	2513	= 33	@ .377
		2513	7	52668	.045					
med. conc. qtz vn high sec zones dis. in the core		2550								
= fol along the qtz py ss py gen. but may also contain moly			10	52669	.016					
		2530	10	52670	.008					
		2540								
= moly as med dis in GD and in qtz py veins		2547	7	52671	.009					
			11	52672	.015					
		2558								
= very minor moly in qtz veins and dis in GD		2560	7	52673	.008					
		2565	10	52674	.014					
		2575	10	52675	018					
		2580								
= moly as vfg in qtz veins and as thin fm coatings		2585	6	52676	.014					
= moly as fm vnlt as coatings and pass. in black gm matrix		2591	8	52677	.018					
		2597								
		2600								
= sulphides are gen py med some po as w. heavy chlor in the alt of rocks and finely dis vfg moly is locally		2610	11	52678	.031					
			10	52679	.015					
		2620								
fm vnlt coating along irregular micro fractures. Py is also finely dis in the intrusive			10	52680	.019					
		2630	8	52681	.004					
		2635 EOH								

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DEPTH (FEET)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A (Chlor)	ALTERATION B (Ser)	ALTERATION C (Cl)	ALTERATION D (Sil)	ALTERATION E (Carb)	FRACT INTENSITY
2640	0.1			2638-2651 FELSIC DYKE						9
	0.1			Highly sheared, crumpled and mottled core of a siliceous stream. Like chert, chalcedonic and highly variable in colour from light & dk green to some blue. Foliation & minute qtz veins at 20° C/A						12
2660	0.1									
	1.0			2651-2720 SILICIFIED SKARN						5
	0.3		qtz with felsic dyke parallel foliation	Highly variable rock recently as amygdaloidal text of of an intricate lattice work of fine fractures through a dk grey & light green aphanitic rock which gives way dk to lt green pyx-like as zones of bands						5
2680	0.3		qtz chlor py parallel foliation	bx-like schistose rock, most green chl in parallel blue grey chloritic rock and glassy white grey silic all as x cutting bleached fine and cut by qtz veins and (2) elytaxx veins						16
	0.0									
	0.2									8
2700			qtz with felsic dyke parallel foliation	Irregularly layer dk chlor bio and fine grained						
	0.0		chlor py parallel foliation	sericite garnets as well as the bio seams						1
	0.9			- from 2690 the rock is dominantly a blue grey ribbon text silicic chl in a few zones of lt green brown and purple maple material brown						
2720			weakly sheared or slip surface parallel qtz veins	garnets and bright green epidote are observed						3
	0.2		felsic chlor py parallel foliation	- 2693 and 98 2" QV in lights of qtz with felsic and chloritized bio						4
	0.1		qtz py parallel foliation	- qtz veins are in fray and range from ⅛" - 3" and						
			qtz felsic parallel foliation	- 2737 changes to a zebra text lt green and dk brown chlor and bio schistose chl as						8
2740										
				silic cement and pock some brown garnets country rock between 2752-70 is an altd bio sch w some chlor and shiny patches						14
	60			2740- rock is heavily cut by QV and QC						
	40		qtz felsic parallel foliation	dykes and dykelets from 2" to 6" thick						8
2760			qtz parallel foliation							
	60			varying in app from the highly altd textures QV to the qtz porp salt and pepper QV						7
	60			Contacts very irregular conformable to text and change to highly silicified						
				2770-2785 GRANODIORITE						2
2780										
				highly altd w a streaky text like to varm tones in comps 2776-79, 82-85 highly porous, vacuoles partially filled w chlor soapstone and py						7
			qtz felsic parallel foliation	SILICIFIED ARGILLITE - SCHIST						
2800				2785-93 grey aphanitic fine laminated rock						11
				is a grey and cream coloured banded rock and then is a dk brown coarse bio sch, a mixed bio chlor sch and has a lt green chl + ser rock w dk green chlor and several qtz veins and has small scale						
	0.0									8
2820				2802-2815 GRANODIORITE						12

RECOVERY NOT DONE

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% $Mo S_2$	% WO_3	%			COMPOSITE ASSAYS
- fg py is fairly even dist in the mod to gangue. Cpy+pyrite+mol occurs in the mod may be in the fg gang in fract		2640	13	52682	.045		2513	2651	=.138'	@ .020
		2651	9	52683	.200	.04				
		2660								
- mod qtz veins seen as fairly thick contgs mod py and po along the dk boundaries of the qtz veins, fracs subparl to C/A			10	52684	.432	.02				
- 2680 m fract not only is fracd but is		2670	10	52685	.054					
py in addit qtz veins		2680	10	52686	.460		2651	2690	= 39'	@ .289
- mod disc mol encased in fg sulfides		2694	10	52687	.050	<.01				
- mod occurs in qtz veins as fine dark dust along the walls, as + patches of white fsp and as circles of py+po - cpy as seen in some qtz veins but not in those w mod		2704	10	52688	.003					
		2710	10	52689	.004					
		2720	10	52690	.017	.01				
		2730	7	52691	.003	.05	2690	2737	=47'	@ .016
- fg mod in qtz occ along fract and dissem fine and blebs in chlor		2737	10	52692	.162		2737	47	= 10'	@ .183
- wk stg blebs of mod, dissem in QD sykl - lens of aggregated "filigree" mod in highly altd QD - banded text sugg multi veining, but indistinct		2747	11	52693	.029					
		2758								
- 1-2% po, py with QD sykl		2760	12	52694	.009					
- fine py and wk fg mod not seen dist through QD, mod contin seen in fine fract trains sugg the ghost of a vein		2770	8	52695	.003					
		2778								
		2780	7	52696	.087					
		2787	7	52697	.034	.02				
- wk fg mod dissem along walls and as minute coloured mineral in bnd qtz vein - single vein w mod mod but fg fracture vein		2792	10	52698	.031	.02				
		2802								
- wk fine mod in qtz bx vein w chlor cavity			13	52699	.020	<.01				
- rare grains of mg mod occur in QD - the pyrite in py may be mod also		2815	7	52700	.015	.12				
		2820								

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DEPTH (FEET)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACT INTENSITY
2820	0.5		qtz ser py veins	A ... [illegible] ...						16
			qtz ser py veinlets	...						
	0.0			2815 - 2860 SERICITE SCHIST						14
				Locally appears like an all bio schist ...						
2840	0.0		qtz chlor py veins	schist w several light colored qtz-cream ...						
	0.0		qtz bio chlor veins	coloured zones bio ... between 2815-27 and 35-39 ...						2
	0.0			it is as described above a light green coloured rock ...						4
2860			sheared as sticks in shear ...	...						
	0.2			860 - 2915 SILICIFIED BIOTITE SCHIST						19
	0.1			Dense, hard fg fine bed brown bio sch w ...						
			weakly planar veins qtz veinlets in shear	...						12
2880	0.2			...						
			qtz chlor py veins weakly	...						11
	0.1		qtz felsic chlor py veins weakly	...						
			bands qtz felsic py veins weakly veins of calc and others by shearing	...						10
2900	0.3		weakly on sticks	...						
				...						11
	0.4			...						
				2915 - 2925 SILICIFIED SERICITE SCHIST						15
2920			veins of py weakly	lt grey fg well fol sericite sch w stretched veins chlorite ...						
	0.0			...						7
				2925 - 2960 GRANODIORITE						
	0.0			Highly altered bleached GD at ...						6
2940				...						
	0.2		qtz py veins	...						6
	0.0		qtz py veins weakly veins all cut by py fine	...						
				...						3
2960				...						
	0.1			2960 - 2979 SILICIFIED SERICITE SCHIST						11
	0.2			Lt grey finely lam ser sch w ...						
				...						13
2980				...						
	0.1			2979 - 2989 FAULT ZONE						5
	0.1		sheared veins and chlor in weakly	...						
				2989 - 3145 SILICIFIED SERICITE SCHIST						11
3000	0.2			as described above						

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% $Mo S_2$	% WO_3	%			COMPOSITE ASSAYS
- fg - mg wk moly in gte pg sacc mdy, gte pg cream mod moly veins		2820 2826	8	52701	.040	.02				
- gte vein w moly onward along walls w strike is cut by barren gte cream coloured vein		2830	10	52702	.107	.18				
- mdy wkly dis w mg wallrk w GD sulf and along mg wall of undisturbed gte veins w dyke wallrk		2840	10	52703	.038	.14				
- mdy slicks on mg across vein w strike and along gte bisected by vein wall		2850	10	52704	.008	.08				
		2860	10	52705	.022	.01				
- mdy slicks along wall of gte vein		2870	10	52706	.047	.01				
- moly in gte vein to 1 foot wide		2880								
- fg moly along vein wall, wide zone wk to mod - undisturbed gte fg vein, fg moly disc along walls and in wk vuggy mg		2890	10	52707	.029					
			10	52708	.029					
- mdy w slicks on undulating shear		2900								
- heavy mass pr w minor pg w gte fold vein in shear sec		2907	7	52709	.016					
- mod to wk moly disc w dy w coarse grain along vein wall and in fm		2915	8	52710	.010					
- fg pg in disc in dykelets and along fm and fol planes in sch		2920	10	52711	.023					
- pg is seen as fg disc and as fm fill - moly is seen as mod fg disc through the highly altd GD country in fracs and vuggy veins, and as dk streaks of moly dust		2925	10	52712	.027					
		2935	9	52713	.015					
		2940	10	52714	.002					
		2954	6	52715	.001					
- wk moly in vein and in fm		2960	10	52716	.022					
- mod moly disc along fm and in gte veins - wk moly disc along wall of dyke		2970	4	52717	.010					
		2979 2980	10	52718	.018					
- moly disc mod in fm, in short sacc gte veins and sm GD alt zones		2989	11	52719	.028					
- moly as in brecciated gte vein along fm		3000								

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DEPTH (FEET)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A (Chlor)	ALTERATION B (Ser)	ALTERATION C (Si)	ALTERATION D (Bio)	ALTERATION E (Carb)	FRACT INTENSITY
3000	0.1			3006 - strong zone - gtz vnlt completely sch -						15
	0.1			- schist is finely - highly chloritized with -						
				contorted fol (gen at ~ 30° S(W)) and shattered						8
			mostly a long width	- some veins + vnlt of various angles with chlor						
3010	0.4									10
	0.2			3050 small breccia zone followed by Unbroken at 3051						
			gtz vein w/ mostly	- 3032-33 - saline clasts of gtz and cream mint ser and py						6
3040	0.5									
	0.3			- indistinct gtz cream mint dykes/fill with numerous						7
				open cavities and very indistinct fract and brecciation						
			cream gtz mostly	at 3042 - 3052 - contains sch inclus						13
3060	0.1			- breccia fol gtz vein						
			fragments in cream							
	0.1			- 3062-3089 the schist is quite broadly disrupted						19
				with numerous Xcut veins and fine and contorted						
	0.5		gtz mostly vein followed	fol - Many gtz + gtz cream chloritic veins contain						25
3080				large numerous open cavities						
	0.5			- 3083-90 core blocky and pcs (3½" - 6" ea)						
	0.7									19
			gtz vein mostly with							
	0.1			- 3089 - 3145 core is more competent, less highly						18
			mostly chloritic and	altered and the veining - bio. pockets. Veins						
3100	0.1			with cavities are still present but not in						
			mostly 2 to 4"	the abundance of the above sections. Cream						
	0.3		gtz mostly veins cut by	staining persists as well but again not as						19
			gtz veins mostly	abundant and no zones intensely brecciated						
	0.1		mostly clay-unconsolidated							10
3120			gtz fol cream white							
	0.2		mostly							
			mostly 2 to 4" thick	- specific dips in almost featureless mass of fg-mg						15
	0.0		gtz veins mostly cut by	gtz fol seen in some clasts mostly (variable) 3125 (6")						
			mostly pinch and swell	- 3126-29, 3131-33, 3138-39						11
3140			gtz fol cut by mostly							
	0.1									
			3145 - 3179	SILICIFIED BIOTITE SCHIST						9
	0.1			- as described above except little stngr.						
			gtz mostly	of 2nd bio (v. dk brown ng felted bio) and						29
3160			thinly fol chlor	appreciably less cream chlor.						
	0.2		py mostly	- cut by sm. C bio slightly chloritized bio at						18
			coarse gtz cream mostly	3149 (6") and 3158-59						
	0.2		mostly sheeted gtz vein	- contact on fractures/planes						14
3180										

WP-6275C

PAGE 21 OF 26 | PROJECT: [illegible] | HOLE NO. 78-18

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% MoS_2	%	%			COMPOSITE ASSAYS
- moly along the walls of qtz veins and GD dykes - massive py accompanies fine and disseminated moly along the walls of qtz veins and in chlorite		3000 3010 3020	10 10	52739 52741	.011 .029					
- generally in dykes - moly is confined to the vein and along hairline fractures - with moly seen along vein walls of qtz veins and also filling in fractures		3020 3030 3040	10 10	52742 52743	.017 .013					
- with moly along quartz vein walls - lenses of fine grained aggregates py generally in contact with dykes in select qtz veins - moly may be seen disseminated in GD		3040 3052 3060	12 8	52744 52745	.033 .042					
- some dk blue banding moly filling fractures irregularly through the qtz veins - some minor qtz veins cut by fractures		3060 3070 3080	10 10	52746 52747	.051 .068					
- with disseminated moly - minor moly as veinlets in chlorite altered GD		3080 3090 3100	10 10	52748 52749	.010 .006					
- with walls, sheared and disrupted core - fg moly along irreg fractures in qtz veins with some		3100 3110 3120	10 10	52750 52751	.035 .087					
- banding fractures following moly as veinlets in qtz veins - with fg moly and py as disseminations along walls and in fractures as irregular patches and coarse shearing veinlets - fg moly disseminated in GD dykes - fg disseminated py in GD dykes		3120 3130 3138 3140	10 8	52752 52753	.070 .051					
- py as veinlets and disseminations - with moly as veinlets		3140 3145 3152 3160	7 7 8	52754 52755 52756	.011 .007 .010					
- weak moly as veinlets along walls and also in weak fracture fillings in the vein - weak moly in qtz fracture veins and most is observed in qtz veins		3160 3174 3180 3179	10 9	52757 52758	.012 .029					

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DEPTH (FEET)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A (chlor)	ALTERATION B (ser)	ALTERATION C (sil)	ALTERATION D (bio)	ALTERATION E (carb)	FRACT INTENSITY
3180	0.1		3177-3401 variable zone of fract	MOD. TO INTRUSIVE AND SILICIFIED SCHIST ... core of unit was altd to various degrees from ... almost complete dk brown bio is very well chalky ... lt grey ser ... frequently subjected to shearing and brecciation ... quartz veining and cut by ... several dykes (all ... varieties and ages ... The less altd intrusive is a fg-vfg grayish tan ... GD w/ qtz, greenish plag, ser and dissem py cut ... by qtz veins moderately ... vfg GD ... slightly porph ... qtz with fld phenocrysts dk grains py and some ser altn. ... The highly altd intrusive has a ... white bleached appr of qtz-sericite-fld and fg ser ... lt grey wisps remnants and a very porous rock-like ... text. The remnants of the country inclusions and ... the brecciated country rock ... last altd bio rich and the ... most altd the bleached ser rich ... though the core is quite frag. most ... very broken ... and rusty ... shows ... and the veins account ... for 10-20% of rock					13
3200	0.1		GD dike							18
	0.3		qtz ser mod fract							7
	0.4		qtz ser mod fract							9
3220	0.1		qtz fld py mod							28
	0.4		qtz fld py mod							15
3240	0.6		qtz fld py mod							14
	0.0		qtz ser mod							15
3260	0.4		qtz ser mod							12
	0.9		qtz ser mod	9" dyke of qtz-grp GD w chlor-bio mod alt into ... - 3276 pcs of ground core pebble-size (to 1")					13
3280	1.8		qtz mod fract	- 3280-85 heavily altd and bleached rock blue core at ± 3285						16
	0.0		qtz mod fract	- 3294-3310 rock is highly altd bleached lt grey ... color with numerous irreg GD dykelets ... It is ... softer and less silicified than ... - 3300 blue rubbly core						19
3300	0.0		qtz fld mod py	- 3310-3336 rock is more typically sil bio ser rock ... still with irreg small dykes but most of GD is ... medium to chlor-bio ... Veins are numerous but ... poorly mineralized ...						20
3320	0.0		qtz mod							16
	0.7		qtz mod vein qtz fld py	- 3336 altd and bleached rock as described above ... - brecciated rock under qtz mod veins at 3340						23
3340	0.3		qtz mod fract py	3354-60 GD Dike ... in sil-altd ... shows ... of qtz & fld ... veins						17
3360										11

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% MoS_2	%	%			COMPOSITE ASSAYS
- wk fg moly along walls of qtz vein ...		3180								
- wk moly diss in fw vein in Qtz and ...			1.1	52739	.031					
- host trans ass w pyp blebs cut by Z qtz		3190								
fg moly clots			10	52740	.012					
- heavy py in qtz fold vein (approx 1' ...		3200								
- moly clots around fg in qtz vein. ...										
- wk fg moly diss in dikes and along veins ...			10	52741	.016					
- wk mg moly diss in dykes ...		3210								
			10	52742	.038		2747	3220	= 4'3"	@ .030
- main stage "A" qtz fold vein		3220								
- veinlets mg moly along walls of qtz fold veins ...			10	52743	.183					
- moly veins to 1/2" spaced up to 10" dia		3230								
- wk moly in clots + along accessory fine fractures ...			10	52744	.033					
- weak mg moly + pyp in qtz vein with ...		3240								
wk fold vein with pyp + py, specks along walls but also in fine veinlets of pyp			10	52745	.139		3220	3250	= 30'	@ .117
- moly fg diss in Qtz vein wk ...		3250								
			10	52746	.008					
		3260								
- sg wk moly diss along walls of qtz fold veins ...			10	52747	.095					
- sg moly diss in 1/2" qtz vein ...		3270								
			10	52748	.028					
- wk veining and moly in wr, weakly some massive clots of pyp in fw		3280								
- qtz fold moly veins boldly blue up in ...			10	52749	.042					
observed are similarly cut by wk (-) ...		3290								
			10	52750	.018					
		3300								
			10	52751	.067					
- qtz vein in wk moly + wk bottom and S. ...		3310								
			70	52752	.059					
		3320								
			10	52753	.008					
very L/G veining, also py in wk sch ...		3330								
along fol planes ...			70	52754	.038					
		3340								
			10	52755	.040					
- sg moly and w clots of py and chlor along ...		3350								
fw and in felsite vein ...			10	52756	.092					
		3360								

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DEPTH (FEET)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACT INTENSITY		
3360	1.0									12		
				3370- fr bit of cg clyke the with fld and sch bnd fg phases grained pas of sch. 3371								
	2.4			- 3376 recgular intrusive (a/11) with slightly serrated pcs of 11 grey highly altd sch sch						14		
3380												
	0.5			- 3390 - 3401 rock is dom a clk brown highly altd bio sch w some recrystln quartz veins. Last few inches is a clk rock brown (altd 2nd bt mineral) w qtz and wk to mod						18		
3400										9		
	0.5		3401 - 3441	QUARTZ DIORITE						10		
	0.0		(generally distinct qtz phases)	consisted of about 1/2 subhl to glassy grey qtz phases in a fg grey groundmass of glassy grey qtz, white fld and chloritized bio in a granular salt and pepper text. The last 2' is less						2		
3420												
	0.0			grey, fine-grained and more altd to clay and ser. Qtz is cut by a few white qtz veins and fm in several places at random angles in narrow (<1") sec env						11		
	0.1									19		
3440												
	0.7		3441 - 3475	SILICIFIED SCHIST						9		
	0.1			Mostly a clk bio sch w numerous lenses and knots of white qtz-fld phases very resty and indistinct from heavy disrupt. Sch alts continued to this alt'n env except between 3442-58 heavy pervasive						12		
3460												
	0.0			sec alt'n around a QD dyke at 3449-50 Also QD in light 3445-46 w sec alt'n env around the						6		
	0.8		3475 - 3479	Contacts variable from sharp to indistinct MICROQUARTZ DIORITE						16		
3480				similar to QD in except finer grained, some sec alt'n								
	0.6		3479 - 3512	ALTERED SERICITE SCHIST						18		
	0.3			Sch has a very soft, earthy appearance & tendency to crumble. It is a lt green grey colour with a disrupted foliated text cut by a few subchloritized "sheared up" QD dykes and qtz veins. It						11		
3500												
	0.8		3512 - 3520	is fmly sheared at various angles and the zones may be the reflection of an old fault zone. SILICIFIED SCHIST						16		
	0.2		QD dykes and wks sheared by sheets	as described above						12		
3520				intimate mixture of sec hostrock replacing the								
	0.2			and sec alt'n with numerous lenses, knots, veins and injections of white to grey (less to grey qtz. Chlor is also present in the qtz lenses, gen in some assc w/ pyr. Minor						21		
	0.1		qtz wisp veins							18		
3540			QD dykes w wk alt'n and qtz wisp veins									

PAGE 23 OF 26 | PROJECT: Trench Lake | HOLE NO. TS-175

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% MoS_2	%	%			COMPOSITE ASSAYS
		3360								
1-2% wk moly mostly in fine quartz stringers, clots and in qtz veins as fine fill and disseminations			10'	52757	.017					
		3370	10'	52758	.034					
		3380								
very few wk, widely scattered moly veins			10	52759	.034					
		3390	11	52760	.052					
		3400								
wk scattered fine sulphides, generally associated with fg-vfg quartz stringers of mass and wk fg-mg py in qtz veins and along fms. Moly is rarely observed, fine dissem. in any stringers or qtz veins throughout		3401					3250	3401	= 151'	@ .038
		3410	9	52761	.009					
		3420	10	52762	.041					
1-2% py-po in qtz veinlets, stringers and fms. Wk moly in qtz veins		3430	10	52763	.006					
		3440	11	52764	.005					
- 3437 wk fg-mg pink-gold mineral in qtz veins										
		3441								
- py disseminated in sericitized wallrock along fms		3450	9	52765	.016					
		3460	10	52766	.003					
		3470	10	52767	.009					
1-2% wk moly as fine grained disseminations along the walls of clean glassy grey to wk pink qtz veins 1/2" - 2" thick		3479	9	52768	.013					
		3480								
			11	52769	.058					
fg. wisps and fg. subedral to euhedral pyrite along qtz veinlets and fg py is disseminated in the sericitized wallrock. Moly is wk and only a few veins carrying moly disseminations and some moly on a few of the shear surfaces as coatings		3490	10	52770	.007					
		3500								
			12	52771	.029					
		3512	8	52772	.008					
		3520								
			10	52773	.012					
Trench to wk moly along vein walls as fine fg-mg pink coating		3530	10	52774	.010					
		3540								

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DEPTH (FEET)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	ALTERATION B	ALTERATION C	ALTERATION D	ALTERATION E	FRACT INTENSITY
3540	0.2		qtz-moly	3512 - 4000 SILICIFIED SCHIST						19
	0.7									20
3560	0.0		qtz veinlets in moly	lg. altd. C.Diss w/ fg. chlor bio. cut by qtz vein // to dyke wall						19
	0.1		qtz-feld-moly	3570 massive fg felted green chlor.						19
			qtz-moly	- 3580 fg felted clk brown 2nd bio ass w						
3580	0.2		qtz-feld-moly	qtz moly veins and qtz chlor veins						17
	0.7			- 3592 qtz-specular hematite veins with open cavities						25
			qtz-feld-moly	- conjugate qtz veins one at 60° C/A remainder 30° C/A w rel. fg moly dust						
3600	0.0		qtz w traces of moly dust	- chloritized GD dyklet cut by additional qtz moly veins						18
	0.1			- several narrow (6") qtz veins have narrow 2nd bio env and rare clots of fg felted 2nd bio						14
3620	0.3		- moly/chlor w/ fm hairline qtz vein	aplitic dykes 3629						23
	0.3		- aplitic dyke w fg moly dust dis							11
3640	0.1		qtz veins w moly dust	qtz feld moly vein fractured and slightly offset						12
	0.4		qtz feld moly	a qtz moly veins						25
				3646.09 bke con w pcs of sch and qtz vein w moly. fm surfaces coated w dull chlor. porph. fault						
3660	0.3		qtz moly	- 3657 6" aplitic dyke w sch inclusions and cut by intrusive barren qtz veins						28
	0.1		qtz feld green fm w qtz po moly							23
			fg porphyritic rock w qtz feld moly dust	- 3660 - 3680 numerous highly sil sch. dom bke as seen replac along fol. by 2nd bio ass w qtz vein and release oil or deform. Cut						
3680	0.0		slightly bke core qtz feld moly	by num randomly oriented qtz, qtz-feld veins with and without moly. Fol is gen highly deformed and in gen attitudes at high angle to C/A. The core is gen bke in sulphides and of high quality. Apparent						22
	0.4		qtz moly							26
3700	0.0		qtz w moly dust	increase in moly in veins seen 3660 24						25
	0.0		- 3702 bke core pcs of fg moly	- 3702 chloritized aplitic dykes						
	0.0									16
3720			qtz feld moly							

PAGE 24 OF 26 | PROJECT: Troot Lake | HOLE NO. 78-18

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% MoS_2	%	%			COMPOSITE ASSAYS
- mod. mineralized fine grained grey to pink qtz vein as stringers of fine dust		3350	10	52725	.009					
			10	52726	.037					
- mod. mineral. w. trace py & mag. fracs. and isolated needles in qtz. veins		3560	10	52727	.012					
- fine grained mod. diss. throughout qtz feldspar gneissic granite w. trace py & mag. fracs. mod. w. rust		3570	10	52728	.015					
- py 2 mb & qtz veins		3580	10	52729	.027					
- mod. massive qtz vein (rust by qtz crystal veins slightly)		3590	10	52730	.009					
		3600	10	52731	.017					
- 3 sets of veins at 3620 w. x cutting relationships qtz mod. at 30°C/a cuts 1 of 2 crackle veins at 50°C/a and the second of these sets an annulating qtz mod. vein on the side of the core. In all veins mod. mineralized as fine dust along w. some py		3620	10	52732	.006					
		3630	10	52733	.013					
		3640	10	52734	.010					
- mod. is restricted to qtz veining generally fine dust disseminations. The vein but occ. as fg. deposits thin py is variously seen in fine and disseminations and po in blebs zones		3650	10	52735	.025					
		3660	10	52736	.008					
- 3660-74 number of qtz. veins w. mod. increases but still weak mineral.		3670	10	52737	.024					
		3680	10	52738	.051					
- mod. seen in fine and ass. w. qtz veins		3690	10	52739	.020					
- mod. as fine dust veining w. black coat along mod. qtz veins & veinlets		3700	10	52740	.035					
- mod. ass. w. white feld in qtz veins		3710	10	52741	.033					
		3720	10	52742	.016					

PAGE 25 OF 26 | PROJECT: TROUT LAKE | HOLE NO. 79-18

DEPTH (FEET)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACT INTENSITY
3740	0.2									15
	0.2									20
	0.2									5
3760	0.4									18
	0.0									22
	0.2			- 3779 6" of broken pebble size pcs at core						18
3784	0.5									14
	0.7									17
3800	0.0			- 1803 badly broken core						10
	0.4			3806 badly bkn core						6
3820	0.5									12
	0.0			3843 bkn core in mostly clips						14
3840	0.0			- 3838-3849 Numerous small shattered zones						15
	0.2									25
3860	0.5									16
	0.2									23
3880	0.0			3878-79, 3883-85, 3889-90, 3898-99. As well, the						17
	0.6			- slightly bkn core 3896-97						27
3900										

PAGE 25 OF 26 | PROJECT: TROUT LAKE | HOLE NO. 78-18

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% MoS_2	%	%			COMPOSITE ASSAYS
		3720								
			10	52793	.023					
		3730								
			10	52794	.017					
		3740								
			10	52795	.005					
		3750								
			10	52796	.024					
		3760								
			10	52797	.008					
		3770								
			10	52798	.066					
		3780								
			10	52799	.007					
		3790								
			10	52800	.027					
		3800								
- moly continues to be confined to veins as early dk. blue streak and less commonly as hydrothermal breccia matrix. The early streaks are most common in gtz veins very pale veins and are observed by moly is found in gtz fold veins usually associated with fold			15	52801	.033			3401	3810 - 409'	@ .019
		3810								
			10	52802	.004					
		3820								
			10	52803	.003					
		3830								
			10	52804	.009					
		3840								
			10	52805	.097					
		3850								
			10	52806	.003					
		3860								
			10	52807	.093					
		3870								
			10	52808	.009					
		3880								
			12	52809	.009					
		3890								
			10	52810	.007					
		3900								

PAGE 26 OF 26 | PROJECT: TROUT LAKE | HOLE NO. 78-18

DEPTH (FEET)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACT INTENSITY
3900	0.4		3912 - 41.10	SILICIFIED SILTST						17
	0.2			as described above						
				...ghtz veins at 3902.05, 3907.08, 3915.12, 3922.24						20
	0.0			3911.15 chlorite bx sch						
3920										
	0.0									23
										20
	0.0									
3940										
	0.0			The rock becomes progressively more siliceous down the hole until it is questionable if it is a siltstone rather than a chloritic quartzite. The mineral constituents do not change, basically the quartz, in accessory color, are just present, but their proportions change with progressively increasing silica. A good example of this is between 3922 and 87 where the rock is glassy and varicolored from light brown & dk grey and chloritic zones of almost pure qtz, but still quite hard from the silicification. Fol is also gen at high angle (270°) to CA						19
										12
	0.2									
3960										
										13
	0.1									15
3980										
										18
	0.5									
										14
	0.3									
4000										

ACID TESTS

	DEPTH	DIP		SPERRY Depth	SPERRY Dip	SPERRY Strike
78-1	1100	78°	78-1	578	82°	S 70 W
78-1A	1200	76°		776	85°	S 81 W
	1051	71.5°		998	82°	S 62 W
	1228	69.3°		1111	79°	S 57 W
	1253	68.6°		1161	78°	S 53 W
	1301	68.0°		1213	76°	S 52 W
78-1B	3115	44°		1260	75°	S 60 W
	3215	43.5°		1812	25°	S 57 W
	3315	39.5°		1363	74.5°	S 64 W
	3413	42°				
	3515	42.5°				
	3615	39.5°				
	3715	36.5°				
	3800	31°				
	3900	31.5°				

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% MoS_2	%	%			COMPOSITE ASSAYS
		3760								
...wall rock is as for 78-1A to the bio...			10	52811	.014					
...patches and streaks in walls and glassy...		3810								
...grey q'z vein			10	52812	.004					
		3920								
- fg molybdenite also along vein walls			10	52813	.004					
		3930								
...ly also along vein walls			10	52814	.008					
- all molybdenite streak down centre of vein		3940								
			10	52815	.017					
...vein molybdenite along vein walls and as		3950								
...the blue streaks in q'z veins			10	52816	.002					
		3960								
			10	52817	.002					
...many wk vein q'z veins in the last part		3970								
...of hole. Mly typically in wks dark...			10	52818	.003					
...lightly sprinkled along fractures and the		3980								
...disseminated throughout grey to white q'z			10	52819	.005					
...veins. Trace only - a few grains can be		3990								
...detected. Less commonly molybdenite			10	52820	.003			3810	4000 = 190'	@ .006
...seen as fairly continuous veinlets along		4000								
...vein walls or with the blue streaks in the										
...q'z veins										

SPERRY SUN TESTS

	DEPTH	DIP	BEARING
78-1A	1098	76.5°	S49W
	1108	76°	N08E
	1127	75°	S63W
	1158	73°	S65W
	1188	72°	S76W
	1218	71°	S52W
	1268	70°	S61W
	1321	61°	N17W
	1328	69°	S68W
	1383	67°	S65W

Also see separate Sperry Sun Gyro compass survey of 78-1B.

78-1B	DEPTH	DIP	BEARING
	1228	70.5°	N18°E
	1258	70°	N41°W
	1333	67.5°	S68°W
	1388	64.5°	S45°W
	1453	62°	S66°W
	1502	61°	S50°W
	1538	60°	S56°W
	1588	60°	S62°W
	1638	60°	S67°W
	1700	58°	S72°W
	1800	56°	S48°W
	1900	55°	S61°W
	2000	52.5°	S63°W
	2100	51°	S59°W
	2200	49°	S65°W

DEPTH	DIP	BEARING
2300	48°	S62°W
2400	49°	S58°W
2450	49.5°	S62°W
2500	50°	S58°W
2600	50°	S59°W
2650	50°	S56°W
2700	50°	S52°W
2750	50°	S59°W
2800	50°	S60°W
2900	48°	N86°W
3000	48°	S60°W
3200	44°	S66°W
3400	43°	S65°W
3600	40°	S69°W
3800	35°	S44°W
4000	28°	S42°W

SPERRY-SUN OF CANADA
WELLBORE DIRECTIONAL SURVEY

NEWMONT EXPLORATION OF CANADA LIMITED
79-1 TROUT LAKE

701.75-E-210
JULY 12/1979

TOTAL DEPTH	DIRECTION DEG MIN	ANGLE DEG MIN	VERTICAL DEPTH	LATITUDE FEET	DEPARTURE FEET	VERTICAL SECTION	DOG LEG
	N .0 .0 E	0 0	.00	.00 N	.00 E	.00	.00
100	S 00 15 W	10 0	99.97	0.31 S	0.00 W	10.42	10.00
200	S 32 [illegible] W	10 15	199.90	18.04 S	02.26 W	20.27	1.36
300	S 02 10 W	10 30	299.77	32.27 S	04.03 W	30.39	.26
400	S 07 0 W	12 40	398.55	49.08 S	08.06 W	49.30	1.39
500	S 71 30 W	4 0	497.77	53.09 S	19.32 W	56.27	4.87
600	S 79 15 W	3 30	598.61	57.57 S	24.30 W	110.31	.76
700	S 77 30 W	3 0	697.57	60.30 S	100.62 W	120.41	.51
800	S 74 30 W	3 15	796.69	63.77 S	101.30 W	130.60	.65
900	S 70 30 W	3 30	895.96	67.64 S	183.73 W	147.00	.57
1000	S 77 0 W	3 45	994.96	70.96 S	146.26 W	161.67	2.27
1100	S 71 45 W	10 15	1092.71	70.46 S	161.39 W	181.16	5.10
1200	S 75 15 W	20 30	1189.42	102.01 S	185.74 W	210.58	6.82
1300	S 75 45 W	20 30	1284.46	123.58 S	216.94 W	247.21	2.01
1400	S 70 30 W	17 45	1380.16	147.09 S	250.24 W	290.25	4.82
1500	S 69 15 W	20 15	1449.82	176.49 S	283.91 W	337.34	3.01
1600	S 70 [illegible] W	21 0	1535.37	206.70 S	323.12 W	390.23	.34
1700	S 72 06 W	20 15	1621.70	232.07 S	371.07 W	434.23	.76
1800	S 73 45 W	20 30	1706.38	253.20 S	413.65 W	482.76	2.82
1900	S 70 0 W	20 45	1790.17	274.74 S	458.86 W	550.20	3.92
2000	S 67 36 W	20 45	1867.24	341.20 S	503.61 W	611.30	2.01
2100	S 72 15 W	20 15	1944.10	401.51 S	555.28 W	672.13	2.64
2200	S 70 24 W	21 15	2010.31	464.20 S	607.33 W	741.80	1.24
2300	S 80 47 W	20 45	2080.08	503.04 S	660.46 W	807.30	1.84
2400	S 83 7 W	21 15	2168.24	506.43 S	718.32 W	874.49	1.39
2500	S 71 12 W	20 45	2243.71	546.71 S	784.84 W	940.06	1.37
2600	S 76 30 W	20 45	2317.47	587.32 S	845.46 W	1005.25	.46
2700	S 72 36 W	21 0	2390.08	628.61 S	906.78 W	1070.64	1.40
2800	S 85 12 W	21 15	2470.16	671.69 S	976.82 W	1138.47	4.29
2900	S 83 10 W	20 30	2544.39	718.31 S	968.67 W	1208.81	6.15
3000	S 87 16 W	21 45	2616.78	752.16 S	1026.07 W	1272.22	2.64

THE DOGLEG SEVERITY IS IN DEGREES PER ONE HUNDRED FEET.
THE VERTICAL SECTION WAS COMPUTED ALONG S 53 46 W.

BASED UPON MINIMUM CURVATURE TYPE CALCULATIONS. THE BOTTOM HOLE DISPLACEMENT IS 1272.22 FEET, IN THE DIRECTION OF S 53 46 W.

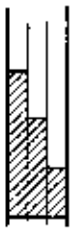
WP-6275A

NEWMONT EXPLORATION
OF CANADA LIMITED

DRILL LOG

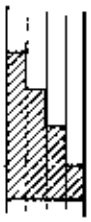
PROJECT: TROUT LAKE	GROUND ELEV.: 4387.0 Ft. (1337 m)
HOLE NO.: 78-4	BEARING: 235° or S 55° W
LOCATION: 10031.3 N, 366.4 E	DIP: −75°
	TOTAL LENGTH: 2929 Ft. (892.8 m)
LOGGED BY: H. C. Boyle	HORIZONTAL PROJECT: 1290 Ft. (393.2 m)
DATE: August 11, - September 16 1978	VERTICAL PROJECT: 2614 Ft. (796.8 m)
CONTRACTOR: Canadian Longyear, Vancouver B.C.	
CORE SIZE: 0-93 CASED; 93-1221 HQ; 1221-2929 NQ	
DATE STARTED: August 10, 1978	
DATE COMPLETED: September 12, 1978	
DIP TESTS: SEE PAGE 17	

ALTERATION SCALE



absent
slight
moderate
intense

TOTAL SULPHIDE SCALE



traces only
< 1%
1% – 3%
3% – 10%
> 10%

COMMENTS

Abbreviations - see separate legend

Total Recovery = 93.1%

Recovery is given in feet short per run length

Materials Left in Hole:

1130 Ft HQ rods from 90' - 1220'

5 attempts at cutting rods at depth

4 attempts at blasting rods at depth

all unsuccessful.

1 attempt at washboring

Freed rods 90' below casing

LEGEND

PAGE 1 OF 17 | PROJECT: TROUT LAKE | HOLE NO. 78-4

DEPTH (FEET)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A Chlor	B Ser	C Si	D Bio	E Ank	FRACT INTENSITY
0				0 - 93 CASED - in lower part of section some part of rock is possibly fault material						
20										
40										
60										
80										
100	4.5			93 - 111 SHALE Black carbonaceous well l-l shale w. fol at 40° C/A very uniform and even. Contains parting surfaces and some white flecks and irregular lenses of qtz						3
120	0.4 0.8 1.5 2.2 1.2			111 - 169 QUARTZ-ARGILLITE Grey aph & fg. qtz-argillite, well fol w fol at 40° to C/A fairly uniform						6 19
140	0.8 0.6 1.0			Color banding in various shades of grey from lt. & black including some narrow wavy bands of the overlying black rock. Numerous narrow & broad (¼" - 4") irreg lenses of qtz-chl-py in much of the py rusted rock. Core is in good condition Qtz rock veins cut rock and carry much py. Rock minor sericite & grey zones. Core in good condition w some broken areas and rock replacement.						3 4 5
160	2.8 2.1									6
180	0.1 0.0 1.0			169 - 199 ARGILLITE & SILTSTONE Fg. and lam grey to dk grey qtz-chl-ser-si rock with lt & dk grey bands. Well fol & 40° to C/A						7 8

WP-6275C

PAGE 1 OF 17	PROJECT: TROUT LAKE	HOLE NO. 78-4

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS
		20								
		40								
		60								
		80								
		100								
		120								
minor pyr ass w qtz chlor lenses		140								
weak to mod carb veining as fine grained agglomerate clusters		160								
Eq to my pyr enhanced hornfelsed tuff		180								

PAGE 2 OF 17 | PROJECT: TROUT LAKE | HOLE NO. 78-4

DEPTH (FEET)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	ALTERATION B	ALTERATION C	ALTERATION D	ALTERATION E	FRACT INTENSITY
180	2.1			197 - 199 SILICIFIED SCHIST						14
	2.2			lt grey sch rich w. incorporated cookies of bio white fol surf. Intersected by short angular brown veining trending sec from 167-172. Cut by qtz carb veins w/
	0.0			
200	1.0			
	0.0			199 - 336 ARGILLITE - SILTSTONE						8
	0.8			Dk grey spk sil lamin fol at 40° CA Qtz carb veins 201-216 Qtz vns at sev angles to and pcy in all in shows Contact trans
	2.1			Dip varies in colum from 40° to vert grey
220	1.5			221-225 blue cc vein w/ fault						10
	0.0			vert fol is not disrupt. Apte, finely lam pcy shaley bands not common throughout
240	0.0									12
	0.0			- 250 vert bx veinlets appr ⊥ to fol						14
	0.5			sev. ser. sheared and recrystallized impregnated w. shear planes marked by talc layers. ⊥ to fol qtz chlor lenses present but less prom
260				qtz. carb (ank) veins fairly abund and at all angles though most ⊥ to sub-⊥ to fol and ± CA
	0.0									15
	1.8			very shaley w. chloritoy and slightly crenul foot at 40° CA w. numerous X-cut qtz. carb veinlets sugg a shallow- w. to NW dip. 271-75
	0.0									29
280				very uniform lamination 277 - 295
	1.5			
				296, 302 short shaly sections w bio and ser. all ± along w. the mod amount of py
300	1.5									24
	1.2									29
	0.0			
	0.1			qtz vns all ± accomp by py
320										30
	2.0			qtz vein 1 cm wide (16°) parallels sec all ± cav
	0.5			
	1.2			
340				336 - 390 BIOTITE-CHLORITE SCHIST						29
	0.0			Sch grades from ± pure biotite sch to very fol at 40° CA, to ± calc-silicate shaley rock at sev ± ft. Fol disrupt calc-sil and shaly sections. Cut by qtz-carb veinlets in all directions as sec all ± cav
	0.6			
	1.2			
	0.5			
360										25

PAGE 2 OF 17 | PROJECT: TROUT LAKE | HOLE NO. 78-4

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS
		180								
		200								
Fg-mg cherty dk gy sharp pawn and lt gy carb vein		220								
Dk gy brecc dk gy blk shaley sed in org in qtz veins and as thick seams and clasts in altered rock		240								
Shale & qtz rock as dk gy py		260								
py in seams and rock disseminated & sheared and brecciated		280								
		300								
		320								
Py as fine grained disseminated and in veinlets and seams and as massive		340								
		360								

PAGE 3 OF 17 | PROJECT: TROUT LAKE | HOLE NO. 78-4

DEPTH (FEET)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION Chlo A	Ser B	S,I C	Sic D	Ank E	FRACT INTENSITY
380	1.1			358 - 390 BIOTITE - CHLORIT SCHIST Take on a variable, shearing age from 358, with some 11 heavy grey sec of cer rock (?) and small lt grey & grey gtz & carbon. Fol becomes disrupt and cons stag blow shown, c.b-11 & 30° C/A 361-64 372-77						12
	0.0										
	2.2			372-75 blu lit cons prec fault							1
	1.2										
380											
	0.6			381-83 altd bleached sl gtz w/ w and mod							4
	0.1			385-388 lt grey fg gtz & wl/laminat 30°C/A							
				390 - 417 ARGILLITE							5
	0.5			Dk grey & blk spk arg w/ gtz reg lam at 30° & C/A w a disrupted zone at 411-413.							
400											
				Contact w/ unit above w/ a sh ref ore w/ lay fol closer at mar cont seams and shearing to 400							6
	0.2			407-410 lt grey fg w/ gtz &							5
				417 - 424 BIOTITE CHLORITE SCHIST							
420	0.0										
				As described above, zeolite fract w/ w/ gtz & ank 423-4 and 428-9, bleaching.							
	0.0			429 - 437 QUARTZITE							5
				lt grey fg gtz w/ lt & dk grey arg layers bounded by fol &							
	6.0			437 441 FAULT ZONE (marked by wid bleached lt grey arg)							
440											
	1.6			441 - 454 SERICITE SCHIST (ALTERED)							35
				Fg well fol sericitic altd rock w/ c bound & gtz leaves and veins and xcut gtz & ank fg fill veins							
	0.0										
				454 - 462 BIOTITE - CHLORITE SCHIST							25
				As described above, altd & sericitic zones ank							
460	0.0										
	0.8			462 - 473 ARGILLITE							VI
				Dk grey spk arg w/ well dev fol at 40° C/A some ser altd zones							
	0.5			473 - 511 MIXED SCHIST AND ARGILLITE							30
	1.2			Rapidly changing series of grey arg/chloritic rocks and fine bio chlor and ser rich fol can be uniform 40° - 20° C/A or even subvert for short distances or they may be highly disrupted. The rock varies from lt & dk grey w/ black arg shaley layers & lt grey gtzitic zones. The rock is commonly bio chlor w/ fine grey altd zones & ser gtz ank veins are present throughout							
	0.6										3
	0.0										3
500											
	0.4										18
	4.1			511 - 521 FAULT ZONE							
	0.5			Marked by lenses of dk grey shaley arg & 516 and by altd and bleached bio chlor rock 510 - 521							3
	1.8										CK
520											
	2.4			521 - 554 ALTERED BIOTITE CHLORITE SCHIST							4
	0.8			Variable schistose rock w/ highly disrupted fol Highly siliceous rock w/ fg grey bleached & bio bands lt brown shaly zones and lt grey fg zones of ser altd & siliceous rock w/ veins and fgs							4
540											

WP-5275C

PAGE 3 OF 17 | PROJECT: TROUT LAKE | HOLE NO. 78-4

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% MoS_2	% WO_3	%			COMPOSITE ASSAYS
By scarce scattings on fracture surfaces		360								
Poly crystalline quartz-feldspar-calcite-chlorite veinlet with chlorite rock along fracture planes		380	5	52821	.002					
By scarce scattings on fracture surfaces		385								
		400								
		420								
Rare pyrite in fine grained matrix										
		440								
		460								
Molybdenite occurs in pyrite-chlorite-quartz-calcite veinlets in altered granodiorite at some points		480								
		500								
		520								
		540								

PAGE 4 OF 17 | PROJECT: TROUT LAKE | HOLE NO. 78-4

DEPTH (FEET)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	ALTERATION B	ALTERATION C	ALTERATION D	ALTERATION E	FRACT INTENSITY
540	2.5			521 - 554 ALTERED BIOTITE-CHLORITE SCHIST						1
	2.8			The high amount of silica and very strong alteration has been a dicky sandstone						
				554 - 563 SILICIOUS SERICITE SCHIST						17
560	3.4			LL grey fg very highly siliceous ser-sch. Fair						
				weak - gtz veinlets and LL grey mottled						1
	0.0			563 - 577 ARGILLITE						
	0.9			Black, py shaley org. py chert and in bedded seams						8
	0.3			well fol at 25° C/A locally siliceous low contact gouge						
580				577 - 599 ALTERED BIOTITE SCHIST						
	1.0			Initially a dk brown clastic sed or some green						19
	0.9			chlor lenses, cut by gtz vnlets w bleaching						
	0.8			and ser vnlets. Between 583-587 and 593-99						16
				it is so pervasive that almost entirely ser-sch						
600	0.1			599 - 690 DOLOMITE						7
	0.4			Massive fg LL blue grey to wh to dk brown weath						
				showing sugary vnlts. Sat first at 607.2' granular						3
	1.5			text. Fine - v fine grn dolo, slt reac HCl when powdered						
620				621 clay fault in dk ground at pred 45° C/A						
	2.4									12
				630 LL green and brown stony fine and silty						
	0.0			632-42 shattered and vuggy crs-v dk grey fg dol						9
640				and gtz weathered core some calc veins						
	0.1									3
				645-658 shattered core with several sugary lined						
	0.0			vugs with rusty stains and some gtz veins, one						17
				with only at 654 at 30° C/A						
660	0.0									4
				661-70 shattered rusty brown weathered core						
	0.0									13
				677-90 several short (5'-4') zones of rusty shattered						
680				core around rusty fm						
	0.0									72
				690 - 700 FAULT ZONE						
	5.5			Consist of LL grey and white chips of dk grey						24
	LA			down at the core of LL grey silt sch						
700	0.6									24
	1.0			700 - 734 SILICEOUS SERICITE SCHIST						
	0.0			LL grey ubg well fol ser-sch, well sil. Fol						8
				rig. at 40° C/A						
	0.0			719-23 a more argillaceous and less siliceous						5
720				rock with black grey fm ubg						

WP-5275C

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% MoS_2	% WO_3	%			COMPOSITE ASSAYS
Mod sulphides throughout such as fg-mg cub grains. Mo occurs as thin fracture coatings.		560								
Rock py throughout and occurs as narrow (½") bedded seams.		580								
		600								
		620								
Diamond drill core.		640								
Mo occurs as fg-mg disseminations along vein walls.		660	5	52824	.002					
		680								
Fg py also in altered porphyry.		700	10	52823	.002					
Py also in sericite altered veins and stringers.		720								

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DEPTH (FEET)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	ALTERATION B	ALTERATION C	ALTERATION D	ALTERATION E	FRACT INTENSITY
720	0.0			700 - 734 SILICIFIED SERICITE SCHIST contains a few ghosts of yellow feldspar phenocrysts						13
	0.1									
	2.2			734 - 775 FAULT ZONE						13 x CR
740	2.2			Marked by grey mud and fine rubble						
	1.9			zone of very soft mud-like sheared rock (4"-6") very broken						BX
	0.3			like. The rock is also highly altered but						CR
	0.8			there are short runs of less altered grey						BX
	1.2			phyllite and quartz of highly sheared chloritic						CR
760	2.1			rock. The larger pieces are mostly highly sil'd						
	0.9			or all of the fragments. Rarely some fg						BX
	0.8			grey rock preserved is observed. In the						CR
	2.2			larger pieces seen the foliation was observed but						
	0.9			still fairly consistent at 40°-50° C/a						
780	0.1									
	1.8			775 - 858 SILICIFIED SERICITE SCHIST						18
	0.8			Initially to 786 the rock is altered less with						
	0.0			chlor patches and there are only changes to						13
800				grey mottled and silicified rock with some less altered						
				chlor patches. Chlorite veinlets abound and						
			qtz veins?	mud with vein qtz rock vein rarely carrying only						17
	2.2			814-857 core is hardly thin in numerous small						
	0.5			shears and fault zones						18
	0.4			814.15 mine fault sheared thin rock at 25° C/a						
820				817 top of thin dk grey phyllite veg						
	2.1			817 core mostly core of 2" CPD						18
				827.29 thin core mine fault						
				fol in solid pcs is low dominated and regular at 40°C/a						
	0.1			836 thin core a mine fault						12
840	0.1									
	0.0			847-52 less silic'd more dk grey argillaceous						23
				rock, well fractured core veins and qtz boxes						
	0.0			and veins, sericite present along fol planes						19
860				852 to 858 sericitic rock brecciated and cemented						
			858 - 878	FAULT ZONE						
	0.9			In Gully (858-62) a lt grey py mud rock shear, followed						BX
	1.2			by a lt to dk grey arg. black-speckled gtz to 865 and						CR
	3.8			then a black finely fractured arg. rock.						BX
	1.2			865 to 878 lt grey arg. with fine mud from 865						CR
880	1.1		878 - 892	ALTERED QUARTZITE-ARGILLITE						
				lt grey gtz & dk grey arg mud rock with						
	0.0			shiny fol and veins gtz veins						19
			892 - 1024	SILICIFIED SCHIST						
	0.0			lt grey to dk brown sericitic rock, clean core with						26
900	0.0			fol at 40° C/a vfg and rarely laminated						

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% MoS_2	%	%			COMPOSITE ASSAYS
Well min. py-qtz vein		740								
		760								
Py in vein selvedge & as fine grains & clots in qtz vein & wallrock for 2 cm. out & also along fol in the sch		780								
Fg. mg. min. py disseminated in sch & in stockwk & clots in vein qtz for		800								
Mod fg-mg min py diss along a 4 ft vein		820	5	2824	.008					
Py in major & vein diss & along fol planes & in wallrock stockwk & clots in sch		840								
Py in vein & vein diss in fault gouge & in breccia matrix as well as less structurally dirs in sch		860								
		880								
Py in tight fracs & along fol planes in sch		900								
Py & min. amts sph & gal in fg-mg py & clots in vein qtz & X-cut qtz veins										

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DEPTH (FEET)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A (Calc)	B (Ser)	C (Sil)	D (Bio)	E (Anh)	FRACT INTENSITY
900				892-1024 SILICIFIED DACITE?						
	0.0			Fine grained felsic matrix (white) with dk grey-grey						
	0.5			fm. 920 patchy v. dark brown stain on matrix						9
920				920 - small (1" long) well bounded low sec veins						
	0.0			fm 40°-50° CA — in some looks like a						9
			qtz py ank ser mdy	sec qtz vein. Well silicified and bx with mild						
	0.5		qtz py po mdy	veins which at first would seem to have a						18
940			qtz sec chl py po	sec fracture origin. 5% 0-1" in CA						
			qtz py mdy							
	0.3			946-965 very badly broken core consisting						14
	1.1			mostly of silicified rock with thin qtz and sec						
			qtz mdy	calc veins and small open fracture cavities						24
960	1.4			959-5, 57-8 and 964 (60) cavities of the same pbo						
				sec-mar, and 1% py out by qtz veins						12
	1.3		qtz mdy	from 965 on the core is less badly bkn but						
			qtz py mdy sec	still broken and fol is very distinct. the core						24
	0.9			is heavily fm and some sec. cavities 973-77						
980	1.3		985 vein/qtz shear	and 983-85 the core is completely bkn up and						
	1.2			a just chunks. The numerous shears and fractures						12
				coated in waxy sericite chlor. though rock still						
	0.4		sheared qtz py mdy	is still clean sec and silicified remnants. Very slight						14
	0.0		mdy in shears	CA slightly increased brecciation around 986-7, 991-95,						
1000				1006-17 which was cut & re-cut and fm. Mostly						
	0.1		qtz py sec mdy	qtz vein and fracture cavities throughout						20
	0.6			rock texture from 946 gradually appears to have						
	0.0									12
1020										
	0.0			1024-1085 FAULT ZONE (QUARTZ STOCKWORK)						R?
	0.7			consist of fairly well bxd rock of the same CA &						CR
	0.4			fine grained qtz phenocrysts remain. veins generally play						R?
1040				by sec and fm. very little py out to main						CR
	1.2		qtz py sec mdy	white qtz sec py mdy veins and pcs of the						R?
	1.2		thin mdy wall	vein material. Core is heavily fm in many						CR
	0.6		qtz mdy	parts of the fm and alt. mostly mdy pervasive						
	3.2			1045 GD pcs dominate with qtz						R2
1060	0.0		qtz py mdy							CR
	0.9		qtz py mdy ~ 10% vein	1061 70 deg? total core at 62, 1065 varying						R?
	0.8		qtz mdy							CR
	0.2			1070-78 mostly GD pcs						18
	0.5									
1080	DCR			1078-82 mostly mas with pcs of qtz GD						10

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% MoS_2	%	%			COMPOSITE ASSAYS
Sil [illegible] and is cut by [illegible]		900	5	52825	.001					
		905	5	52826	.002					
		910	5	52827	.002					
		915	5	52828	.002					
Mod mod [illegible] Lg-my mly-sec in pyr and sec in the vein with along selv walls and similar mineral in fine sulph veinlets and blebs out into wall rock		920	5	52829	.036					
		925	5	52830	.010					
		930	5	52831	.004					
		935	5	52832	.078					
		940	5	52833	.023					
Sel dompy in fine and light veins and blebs some in the veins		945	5	52834	.003					
		950	5	52835	.017					
		955	5	52836	.003					
		960	6	52837	.008					
Most of the selvages are seen in the vein and is in the ground rock as veinl		966	7	52838	.008					
The [illegible]		973	4	52839	.018					
		977								
		980	6	52840	.025					
		983	7	52841	.006					
		990	5	52842	.003					
		995	5	52843	.004					
		1000	5	52844	.004					
Lg-percent in the mostly gouge of shear zones		1005	5	52845	.008					
		1010	5	52846	.011					
		1015	5	52847	.003					
		1020	4	52848	.003					900-1024 = 124' @ .012
Mod to mod-st Lg-my dissem and pyr in the GD and dk and dk grey in the qtz veins. Mly occurs as disc in the veins but most occurs as fine		1024	6	52849	.018					
		1030	5	52850	.032					
		1035	5	52851	.078					
		1040	5	52852	.030					
line fm in a network through the centres of the qtz veins and in mostly mud in shear zones. Most of the mly between 1051-69' is seen as disc in the pyr of one		1045	6	52853	.018					
		1050	5	52854	.044					
Ave fm in the [illegible]		1055	5	52855	.027					
		1060	4	52856	.014					
Mly in qtz veins and in fracturing in the walls as in the other sections but in more massive mly usually [illegible]		1064	6	52857	.017					
		1070	4	52858	.905					
		1074	4	52859	.140					
		1078								

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DEPTH (FEET)	% Core Recy	GEOLOGICAL DESCRIPTION	FRACT INTENSITY
1080	2.5 2.4 1.0 1.2 1.1	1024 - 1085 FAULT ZONE 1085 - 1650 GRANODIORITE qtz py moly cut by qtz py moly Lt grey fn-med gr'd porph. granodiorite of glassy grey qtz phenos (4-5 mm) in a groundmass of qtz, some plag, chlor, ser and py. It is cut and bro-	22 58 8
1100	0.0 0.0 0.0 0.8	qtz feld py moly qtz feld py moly qtz py moly qtz sericite py moly -ken by qtz veins that generally carry some mineralizn and these have a lot cockscomb text, often carrying a white feld (feldspar?). The text is massive and granular, is normal although several [illegible] feld and qtz veins. Some weak	9 11
1120	0.1 0.3 0.0 0.2	qtz ser py moly qtz feld py moly [illegible] [illegible] may have remnant bi alt'd to chlor. 1123-28 badly bkn core of GD & 25 and qtz ser py moly to 28, moly and 24.25 From 1130 the GD is not well veined with only a few prom qtz/qtz feld veins w py and ser and	8 31
1140	0.3 0.0	qtz [illegible] ser moly [illegible] breccia qtz py vein qtz py moly qtz py sph [illegible] qtz py moly qtz ser py moly py moly. [illegible] [illegible] [illegible] [illegible] veins (5%) of qtz and qtz feld py and moly. The GD also has fresher looking sections where some remnant bi may exist, chlor is visible and the core has a slight	11 17
1160	0.7 0.4	qtz feld [illegible] moly qtz py moly qtz feld py moly qtz py moly feld qtz [illegible] moly qtz [illegible] [illegible] dark speckled app. There is [illegible] the same gen. of Abld as well. [illegible] [illegible] is [illegible] around the qtz veins can be intense and in some veins the [illegible] [illegible] to [illegible] [illegible] and [illegible] moly	12 5
1180	0.1 0.0	qtz feld py moly (bkn core) qtz feld py moly qtz py moly qtz feld py moly is ass with [illegible] [illegible] ser alt'n. [illegible] inch qtz vein w py (? dia) and feld crystals [illegible] py and moly	6 6
1200 (1523')	0.0 0.3 0.0 0.4	qtz moly (badly bkn) qtz py moly [illegible] (badly bkn core) qtz py moly along the vein wall 1203 badly bkn core through qtz vein and GD GD very uniform in text and compn. Some bi [illegible] alt'd to chlor may be present in small patches, chlor more common but still	5 8
1220	0.5 0.4	qtz py moly qtz [illegible] moly qtz ser and py moly qtz py moly wk. Still good [illegible] dissem py. Core is badly bkn in several places, most commonly through narrow well [illegible] qtz veins.	3 7
1240	0.7 0.0	qtz [illegible] moly [illegible] qtz sericite py moly qtz py moly cut by [illegible] 1241 2 qtz py moly veins [illegible] [illegible] [illegible] [illegible] CA [illegible] qtz [illegible] moly vein [illegible] to qtz py moly vein	4 3
1260			

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% MoS_2	%	%			COMPOSITE ASSAYS
...qtz veining in fract in bedrock pre slight ...		1085	7	52860	.068					
...			7	52861	.046					
...		1092								
...		1097	5	52862	.006					
...		1100	4	52863	.006					
		1101	4	52864	.015					
		1105	5	52865	.006					
		1110								
...		1115	7	52866	.012					
...			6	52867	.033					
		1120								
...		1121								
...		1128	7	52868	.113					
...			7	52869	.018					
...		1135	5	52870	.003					
...		1140								
		1145	5	52871	.008					
			5	52872	.173					
...		1150								
...		1155	5	52873	.020					
...			5	52874	.017					
		1160								
...		1165	5	52875	.005					1024 1165 = 141' @ .036
...			5	52876	.305					
...		1170								
...		1175	5	52877	.302					1165 1175 = 10' @ .304
...			5	52878	.013					
		1180								
...		1185	5	52879	.283					
...			5	52880	.031					
...		1190								
...		1195	5	52881	.010					
...			5	52882	.023					
		1200								
...		1205	2	52883	.259					
...			5	52884	.016					
...		1210								
...		1215	5	52885	.148					
...			5	52886	.013					
...		1220								
...			10	52887	.003					
...		1230								1175 1230 = 55' @ .073
...			10	52888	.530					
...		1240								1165 1240 = 75' @ .165
...			10	52889	.053					
...		1250								
...			10	52890	.023					
		1260								

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DEPTH (FEET)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A (Chlor)	ALTERATION B (Ser)	ALTERATION C (Sil)	ALTERATION D (Sid)	ALTERATION E (Anh)	FRACT INTENSITY
1260				1055 - 1260 GRANODIORITE						
	0.1			gtz py ank mafic						6
	3.0			gtz py ank mafic						
	1.2			gtz ser py mafic						13
1280				- 1278-1296 - Zonal bull qtz vein consist of the gtz veins involved. The GD is descended						
				down with subord fg dior py, occ fg clas inclu and rock in the gtz vein and wr fm. Apparent						
	0.8			the gtz ser py phyllic alte zone						7
	2.2									9
1300										
	1.9									
	0.9			gtz py mafic						9
	2.9			gtz ser py mafic						3
1320				1317-37 core has a finer grained, more 'felted'						
				appearance with a higher percentage of ser						
	0.9			- very mafic rich along walls of the gtz vein						9
				- 1337-36 (10) very pale green phenocrysts of glassy green subhedral to euhedral qtz						M
1340	0.0									
				- 1/2 qtz veins at 15° to a with pale green mafic felsic phenocrysts up to 1" long						8
	0.0			- 1352 six narrow (1/2") intersecting qtz py veinlets at 80, 60, 10° to the planning of host granite dyke and all cut by						7
1360	0.0									
				- a few narrow altered zones mostly fg felsic						5
	0.0									
	0.2			- fg (1") mafic phenocrysts in mafic felsic (K-spar) phenocrysts						7
1380	0.7									
	0.0			- 1380-84' 2" thick qtz vein + veinlets py and mafic to coarse fg sandy						6
				vein vein with, mostly veins dirty like in the mafic wall, 1384-87						
	0.1			mafic felsic phenocrysts in mafic felsic phenocrysts						3
				1391 - 2 qtz veins 30° to the surrounding GD have fine fg py felsic fm - probably a "high grade" zone						
1400				in core 17-2						
	1.0									2
				GD has a felsic felsic phenocrysts in chloritized ser						5
	0.3									
	1.4			- qtz felsic py ser mafic 1405-20 cuts in fine grained qtz veins and highly like core 1418-20						4
1420										
	0.2									9
				- 1425 GD has a very felsic phenocrysts						
	0.6			appearance. Some similar like other veins but with felsic						7
				matrix - by close with "secondary" qtz phenocrysts appearance						
1440	0.6			in a felsic looking rock - a chilled mafic phase						

WP-6275C

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% MoS_2	%	%			COMPOSITE ASSAYS
The (VI) is short fill of very sandy dac fg. cut py. and very rarely a single grain of fine moly. Most moly is in veins & cg - vg dac along the vein walls and as a dist of py and po. as cts. Some moly is seen in the grey muddy material along fm south. Dac & fairly fine cl. core loss of moly is prob. 1298-1303 was with py. vn & large		1270 1280 1290 1298 1300	10 16 10 8	52841 52892 52893 52894	.023 .128 .034 .024					
clots of massive py and po. mostly dac bkc. Very little of it is in moly grade.		1310 1320	12 10	52895 52896	.027 .016					
Light vein at 15° CA badly fgd. py. sec and fgd moly veins along vein wall is broad and muddy. cuts the above vein with loss of moly		1331 1340	11 9	52897 52898	.097 .013					
moly + py fgd dac along vein walls and fm in veins & clots in fgd pieces		1350 1360	10 10	52899 52900	.018 .018					
Zone with fg vein & veinlets and dis moly. Light to mg py and moly blebs along veins		1370 1380	10 10	52901 52902	.025 .062				1240	1350 = 140 @ .037
Very vn & moly in fg py veins, moly occurs as dissem along the vn walls and as py rosettes also along vn walls and as py clots in fm. 1380-1390 cut by Mo2 = 1391. Fine to "bilgeous" py po in a lattice work of hairline fm		1384 1390 1400	a 6 10	52903 52904 52905	2.50 1.53 .017				1380	1390 = 10' @ 1.918
Moly vn. thin vn and along walls, ass with clots of py in fm. Moderately fm to VF		1408 1415 1420	8 7 5	52906 52907 52908	.030 .074 .200					
Lattice work of hairline to med vn thick dk grey moly in the vns. Moly on the surfaces and dissem in the fg. qtz. (VI)		1430 1441	10 10	52909 52910	.028 .013					

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DEPTH (FEET)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	ALTERATION B	ALTERATION C	ALTERATION D	ALTERATION E	FRACT INTENSITY
1460	0.1			1085-1620 GRANODIORITE						10
	0.0									2
1480	0.0									9
	0.2									1
	0.0									7
1500	0.4									13
	0.0									2
	0.1									11
1520	0.0									4
	0.0									16
1540	0.0									10
	0.0									25
1560	1.0									10
	0.2									5
1580	0.0									6
	0.2									15
1600	0.0									96
	0.0									8
1620										

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% MoS_2	%	%			COMPOSITE ASSAYS
wk mnly. in 20' zone also minor veins but were commonly in hanging wall and the shear along w. chl/serp.		1440	10	52911	.007					
= minor in this mnly. CaO pres. = calc. amygdal. in some vesicles.		1450	10	52912	.013					
wk gr. = 1/2" - 2.00 = wk to mod.		1460	10	52913	.030					
= most sul. is fg. mny. fine. py in CaO		1470	10	52914	.107					
= wk mny mnly all in zone of sheared qtz. veins		1480						1390	1480	= 90' @ .073
= wk to mod. mnly in narrow qtz. stringers		1490	10	52915	.009					
= mnly as pat'ly sheared quartz veins and as fine mny. veinlets in pl.		1500	10	52916	.011					
= wkly mnly in surface bedrock qtz veins		1510	10	52917	.007					
		1520	10	52918	.020					
wkly mnly py in qtz veinlets + fract (0.5")		1530	10	52919	.015					
with zone of thinly bdd py and cpy chl		1540	10	52920	.057					
fg. mny mnly in zone with zone of altered		1550	10	52921	.013					
= wk mnlzd qtz py vein w wk fg. dss.		1560	10	52922	.009					
= mny mnly veinlets and sgr. py aggregates are also		1570	10	52923	.012					
sporadic in mod. mnlzd zone of alt'n marked by		1580	10	52924	.029					
occurrence of sericitized rock, pink overprint + limonitic		1590	10	52925	.020					
fract. cut by wk fm. to coarse mny. stringers		1599	9	52926	.008					
= wk fg. mny mnly also along walls of qtz veins		1610	10	52927	.013					
= gangue very fine grained quartz, carbonate + py		1620	10	52928	.006					
= mnly occurred as stringers, boudins + vnlets within qtz vein										

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DEPTH (FEET)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A (Chlor)	B (Ser)	C (Si)	D (Bio)	E (Amph)	FRACT INTENSITY
1620										
				1085 - 1650 GRANODIORITE						
	0.0			as described above highly ser. fol'd rock text						4
				pink text seem to increase or decrease						
1640	0.0			in intensity. some zones less alt'd and fol'd showing						12
				more granitic text						
	0.1			1650-1670 TRANSITION ZONE						8
1660	0.1			Marked by successive increment of granitic text, coll and						2
				recrys. qtz. Otherwise in the fol'd text see GD						
				faintly GD in low intergranular interstices, increasing to com knights out						
	0.0			by ser alt'n obviously related to qtz. vein and micro. fm						5
				1670-1693 QUARTZ DIORITE						
1680	0.0			Consists of glassy grey qtz phenos in groms of						4
				qtz plag and chloritized bio in this gran/por. The						
				qtz phenos are up to 1/8" in dia. in a fg grey						
	0.0			granular text. each. Trav cut by qtz vein to 1/2"						7
				thick and more to w each se all'n zone						
				1693-1699 GRANODIORITE						
1700	0.8			folded ser alt'd rock as described above						11
				1699-1712 FAULT ZONE						
	0.4			Marked by granulated pervd GD and qtz vein, which most						4
				local the pervd GD rock						
	0.2			1712-1720 GRANODIORITE						12
1720				folded ser alt'd rock as described above						
	0.0			1720-1770 QUARTZ DIORITE						
	0.2			As described above. There is a great decrease						12
				in amt of ser alt'n massive fine grained more						
1740	0.1			distinct because the ser alt'n contacts w the						6
				GD more clearly. Text is chiefly porphyritic						
				w the qtz phenos in place of qtz plag and chlorite						
	0.1			in GD where phenos virtually disappear and						5
				gen grain size becomes finer. Very little qtz						
1760	0.9			veins, most small (1/8") and few w mod.						7
				1758-61 qtz pg mod. 1767-70 highly alt'd w some text entirely						
				gone. A fol'd ser text						
	0.9			1770-1797 FAULT ZONE						5
	0.0			Marked by narrow muddy seams w pcs of GD						
1780	1.4			and qtz gravel & sand in which most lithologic						7
				rocks, highly alt'd to fol'd ser GD						
				veins vein at 20° to subhor & mostly fm fill						
	1.4			1769-92 min with the gtz vein, mostly brecciated						7
				rock or either silt						
1800	0.3			1797-1995 GRANODIORITE (FRESH)						5

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% MoS_2	%	%			COMPOSITE ASSAYS
Fg. mgt & py veinlets through the QFP are fine grained & associated with dissem mgt, py & po in the wallrock. Minor qtz veining & wallrock alteration. Minor qtz-py veinlets also noted in some gtzpy veins. Sph is brown. Moly was not noted in qtz-sph-py veins. Chlor. py appears in some veins & wallrock		1630	10	52929	.011					
			10	52930	.008					
		1640								
			10	52931	.012					
		1660	10	52932	.009					
Most moly veins in qtz-py veins with alteration along qtz. Moly dis in fg-mg flakes throughout wallrock and as in fg. aggregates of py & sph. Most are mostly restricted to py and po.		1660	10	52933	.017					
		1670	10	52934	.005					
		1680								
Moly veins and dis through the rock. It is not as the veins are with po is more common in the brecciated QFP & also occurs in stringers in fragments made from. Moly is in qtz veins.			10	52935	.016					
		1690	9	52936	.005					
		1700								
Moly mostly in qtz veins and as disseminations & blebs in the QFP. Some of the moly is associated with py & sph in the brecciated matrix fragments of QFP			7	52937	.002					
		1706	6	52938	.004					
		1712	8	52939	.027					
		1720								
The QFP is pale in col. majority occurring mostly as fg. aggregates in the vein associated with qtz veins and fragments. Some disseminated fg. py is also in the QFP.			10	52940	.002					
		1730	10	52941	.003					
		1740								
			10	52942	.060					
Moly occurs as fg. aggregates along walls of veins with py and rarely occurs as disseminated grains also through the wallrock of the veins. Vein at 1758-61 was fractured & a sheared vein		1750	10	52943	.016					
		1760								
			10	52944	.007					
Moly is found in the veins with the QFP as disseminations & along walls and as scattered small veins of moly with that have been sheared and veins with the QFP.		1770	10	52945	.031					
		1780								
			8	52946	.040					
Most of the moly veins 1759-94 are py and moly is fine and also disseminated along fractures in the wallrock		1788	9	52947	.002					
		1800								

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DEPTH (FEET)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	ALTERATION B	ALTERATION C	ALTERATION D	ALTERATION E	FRACT INTENSITY
1800				1791 - 1795 CHLANODIORITE (FELTED)						
	0.0			highly altered rock has a chloritic groundmass texture of the original phase, white laumontite veinlets and						0
	0.0			patches 1815 ... from 1805 on it is very weakly foliated						2
1820				sericite 20 to 30% pervasive qtz veinlets and veinlets						
	0.0			with 1 to 2% very fine qtz veinlets, some are qtz rich						3
	0.1			and fewer in number. Fine to cg pyrite is also						8
1840				disseminated throughout. Only 1 biotite mineral						
	0.0			clump seen in thin section. Weakly to strongly altered						10
	0.2			granular (granitic) and clastic texture are very						11
1860				subtle. Diff to detect.						
	0.0			1867 small patches of brecciated fine grained dark rock						2
	0.0			1873 - 80 rock somewhat less altered and silicified pcp						5
1880				dark green appeared						8
	0.0			1876 - fg-cg chlor. mafic phenocrysts (6%) are altered						
	0.1			around the margins by qtz veinlets (1%)						13
	0.0			1882-87 felsic dike 65-90 texture, 90-1897 silicified						2
1900				w some pcp seen						
	0.1			1897 2 inch of bright green chlor appears = to						12
	0.0			from fg to cg ... very chl seen & contains most						5
1920				chlor filled frac.						
	0.1			1892-93 - 60% mostly sheared within core						13
	0.0			1913-21 Highly brittle altered core ghosted fragments						3
1940				marked by cg sericite & remnant altered groundmass						
	0.0			of qtz and patches chlor throughout. Patches of						3
	0.4			1937 high grade zone in 17-3 was 1950 - 1961 = 70%						3
1960				1941 ... core is as before except less fractured and						
	0.0			more granular dark ... absence of pcp phenos						7
	0.2			1972 - 76 Highly patches of non granitic looking rock						6
1980				1940-49, 1951-53, 1963-67 chert patches similar to 1925-31						
				and sericite pcp, qtz veinlets recently. Chert patches						
				throughout also appear to be stockworked 2nd time						
				1955-56, 1960-62 fresh portion of the Deep Core Dike						
				sericite pcp phenocrysts in chloritic matrix						
				1976 rock is gray, fractured, chlorite (?) weakly						
				to fairly well altered qtz phenos						

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% MoS_2	%	%			COMPOSITE ASSAYS
		1800								
Sil. clay alt. sediments, occ. bx'd + cemented by mass. dk. gy. qtz-fspr. pyritic matrix; grains to coll. sys. of dk. gy. stringers. Moly. is widely scattered in qtz. matrix + in adjacent		1808	11	52946	.002					
		1819	11	52949	.008					
		1820								
lt. gy. qtz. veinlets and blebs, and disseminated pyrite bodies around plot. fm. are mainly light veins.		1830	11	52950	.004					
			13	52951	.013					
		1840								
Sil. clay alt. sediments, locally bx'd from 1 cm to few cm in width of fract.		1850	10	52952	.001					
Dk. gy. qtz. veinlets + stringers, thin, multi-directional (locally up to 1 cm wide, but generally less than 1 mm) are most likely to be encountered in this zone.			10	52953	.001					
		1860								
1867-1872 ft: py-moly veinlets, locally very abundant (approx. 5%)		1870	10	52954	.003					
1872-1882 ft: py-moly veinlets, locally very abundant (approx. 5%)			10	52955	.035					
		1880								
- 1872-74 ft: py-moly veinlets locally very abundant (approx. 5%)			10	52956	.002					
- 1880 ft: sed. rock still strongly Fe-stained but po. increasing to about equal py. Py-moly veinlets fairly evenly spaced, up to 1 cm wide, but generally less than 1 mm		1890	10	52957	.003					
		1900								
- occ. specks + blebs of py. + moly. also occ. qtz-fspr. veinlets from 1/2 cm up to 2 cm wide in dk. gy. sericitic sed. rock.		1906	6	52958	.002					
- Moly. occ. as dk. gy. rosettes fairly common throughout sed. rock and as dk. gy. stringers of dk. gy. py. and qtz.			7	52959	.003					
		1915	8	52960	.089					
		1920								
		1921	9	52961	.014					
		1930	10	52962	.003					
		1940								
- sed. rock is generally dk. gy. to blk. fine-grained, locally very siliceous, and is described for 1913-21 interval. Locally veinlets are rare and moly. is very likely present in trace amounts throughout		1950	10	52963	.013					
			10	52964	.010					
		1960								
Mod. strongly sericitized fine clastic sed. rock po.		1970	10	52965	.006					
			10	31406	.003					

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DEPTH (FEET)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A (chlo)	ALTERATION B (ser)	ALTERATION C (sil)	ALTERATION D (bio)	ALTERATION E (anh)	FRACT INTENSITY
1980				1977-1995 GRANODIORITE (FELTED)						2
	0.5									
				1995-2070 GRANODIORITE						4
2000	0.2			Ute pegs GD of glassy grey subhed qtz						
	0.0			phenos in v. fg matrix of qtz chalky with pkg and chlor. pred alt'd from bio, in an interlocking granular text w/ fg pegs also intensely through the rock. Locally there are wide zones of several feet of joints						6
2020	0.3									3
				see alt'n resulting in the 'felted' text of above but these rapidly change to shatter stringers and patches associated w/ fine qtz veins. There are very few distinct qtz veins. Similar in appear to Qtz Dior						2
2040	0.2									3
				2040-45 chlo and slightly sandy zone w/ typical 30°-45° C/A minor fault						2
	0.0									4
2060	0.0									
				2070-2158 QUARTZ DIORITE						1
	0.0			Marked by the appear of fg bio dist throughout the rock and a darker grey colour prob due to the 5% or more Qz pkg grey instead of white. There are still large qtz phenos and the bio is alt'd to chlor, in many places almost completely and here the pkg is also lighter so that the rock looks very much like the GD above. Alteration around some of the veins and the fm varies from narrow to several inches, is more like most examples of 'felted' GD. Many fm right angle (070°) C/A - 2085, 86, 90-91 and 2100. Also slightly granulated						1
2080										3
	0.4									
2100	0.2									4
	0.0									1
2120	0.7									0
	0.3			core minor slips						4
	1.0			-2118-32 fairly blue core was dry-wood, v. soft fm, bio text w/ veins alt'd minor shear fault						
2140	0.1									2
				-2142-46 felted alt'n w/ many patches of alt'd GD.						1
	0.4			most bio is alt'd to chlor. fm has core alt'n core and felt in chalky, recrystal						
2160	0.0									1

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% MoS_2	%	%			COMPOSITE ASSAYS
[illegible] py [illegible]		1950								
1992 mg. moly also in alt'n envelope veins but no obvious relation to veins		1970	10	52967	.002					
			10	52968	.006					1990-2000 = 520' @ .013
Sul appears to be enriched to py and po. Py is seen in the selvage of the veins also as fg. py specks along vein walls and as vfg clots. Mineralization is strongly through the GD. Py is also disseminated		2000								
as vfg on the GD between the (V) is mild and faded. The sul may become more abund. Moly was not detected in the core and the grade is not > than .01% MoS_2		2020								
		2040								
single py moly vein in the py vein		2060	10	52969	.003					
Sul v wk. mostly py is seen all'n envelope veins and as vfg disseminated grains. Wk disseminated [illegible]		2080								
vfg [illegible] grains		2100								
		2120	10	52970	.002					
py gr. + shrds on fracs, 1% GD		2140								
py. also on fracs w alt'n env, disseminated readily identifiable		2160								
		2180								
narrow qtz VR fractures and MS. sericite disseminated in GD		2200	10	52971	.006					

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DEPTH (FEET)	% Core Recv	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	ALTERATION B	ALTERATION C	ALTERATION D	ALTERATION E	FRACT INTENSITY
2160	0.0			2080 - X558 QUARTZ LATITE						
				- gte py-po poly						
	0.0			- weak clay+bol alter						2
				very uniform rock - pervasive gte poss in a fg-vfg matrix - mineralogy not visibly changed except slight variation in grain size - no distinguishable						
2180	0.0			- gte py-po poly						1
				- sulfides mod + varying degrees of alt'n, principally the degree of chloritization of bio. but also the amount of ser alt'n accompanying dry fx and occ gte veins. Ser alt'n are commonly narrow (1/4") but do						
2200	0.2			- crack type is an irregular one						2
				- 2205, 2212-13, conspicuous fine banding at 20°C/a defined by concentration of chl after bio - no apparent cpx chl rel at 2212						
2220	0.1									1
				- 2221 - minor fm - 10°C/a w/ thick dense green weak flooded chl alt'n envelopes						2
2240	0.2			- gte vns w white felsitic alt'n - py-po						2
				- 2238, 2250, 51, 2258-59, 2264, 2277-78, dk banding fm filled w py-po at 70°C/a						1
	0.1			- gte py poly						
				- 2243-46, 2251-54 and chunks at 2258, 2263-7, 2273, dk ser-chl alt'n zones w sharp walls and fm which alter not to gte vns chl comp - py-po mineralization is felsitic-chl assn						4
2260	0.2									
				- again core is fairly unfractured except for above mentioned felsitic patches in some patchy zones - particularly between 2247-52 and 2271-79 the felsitic looks only a little past it in lower or less intense alt'n						1
2280	0.0			- gte py poly						
				- 2282-96 alt'n felsitic rich in high ly ser, gte phenos indistinct, patchy 2283-5 and 2296 pervasive in between						7
	0.1			- chl slightly weakly conc 2295-6 - thin gte veins						
2300	0.7			- patchy felsitic sericitic alt'n 2299-2300						6
	0.9			- pervasive felsitic ser alt'n 2302-10, 2315-19, 2325-27						3
2320	0.0									1
	0.0			- gte py poly						3
				- 30 more fractured looking from 2332-43, dk more green, and chlorite, gte veinlets absent, less felsitic alt'n						
2340	0.0			- gte chl-py-po poly						3

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% MoS_2	%	%			COMPOSITE ASSAYS
- massive stringers + weakly disseminated py + cpy (?) along thin fractures at various angles to core axis		2160	10	52972	.006					
- irregularly banded qtz vein material consisting chiefly of py + cpy and minor MoS_2 as well as bands and patches of quartz-sericite material		2200								
		2220	10	52973	.002					
		2240								
- sample is mostly fine-grained py vein		2260	10	52974	.002					
- fairly wide vein (1m) of qtz + py + some pyrr in disseminated form + in stringers		2280								
- this entire py-rich stringer bound by fairly well-defined contacts (?)		2300	70	52975	.002					
- dk green mafic rock (chlorite) occurs along the sides of this py vein		2320								
- many fractures in wall of qtz vein		2330	10	52976	<.001					
- mostly pyrr + py + minor chalcopyrite		2341	10	52977	<.001					

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DEPTH (FEET)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION Chlor A	Ser B	Sil C	Bio D	Ank E	FRACT INTENSITY
2340				QUARTZ DIORITE						
	0.0		20-30°	- as described above, fractured zone in core 2339-45						1
	0.5		qtz chlor py veins	- fresh looking 2332-39						2
2360										
	0.0			- 2360 4 hbl xenos in mass						1
	0.1			- 2 microfractures @ 0° w/ alt'n zone around veins and						2
2380				for mostly weakly serpentinized core						
	0.3									3
	0.0		qtz py veinlets							2
2400				- 2401 1" long inclusion of bio sch						
	0.0									2
	0.1		stockwork qtz	- qtz veins (1/4"-1/2") w/ py, cpy, gal and sec alt'n envel						3
2420										
	0.2			- 2425 6" hbl mostly core						6
				- 2432 1" long inclusion of bio sch						4
2440	0.0			mod fg hbl gneissic chlor alt'n below						
				w/ 6 qtz veins, sec alt'n envel.						
				- 2446-47 4bn slightly mottled core						5
	0.9									2
2460	0.9			- 2455-60 1/2" wide vein carrying 1% cpy, gal, bn, chlo and minor py. Bounded w/chlor, sec alt'n envel, and cpy in fracs & surrounding rock, prob injected while WD still hot and from similar source						
	0.2									4
	0.4		qtz py veins							3
2480										
	0.0									3
	0.4		qtz fuchsite py veins	- narrow 1/8" qtz py veinlets trending 60° at 20°C/a w/ bleached qtz vein envelopes						5
2500	0.4									
			qtz sericite veins	- scattered clots of py, gal in core w/ local sericite						4
	0.2			- 2505/10 4bn core						
	0.2									2
2520										

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Mo S2	%	%			COMPOSITE ASSAYS
...		2340								
- wk fg dissem + stringer py in qtz chl(sericite) porphyritic andesitic vein wr %										
		2360								
		2370								
			10	52978	<.001					
		2380								
- vag (1%) wk py dis in narrow 1/4" qtz vein		2400								
- fine dis py + 1/2" cor of sm chlor qtz vein (?) not mineralized		2415								
		2420	10	52979	.002					
		2425								
Sul species to be verified by polish		2440								
- tr dis + fract py + chl cor of sm qtz veins and in sericitic envr. Also present are in qtz fel, bio chlor veins as fine wkly dis										
		2460								
- wk wkly ass w py in qtz vein assem + envr.		2478								
		2480	12	52980	.001					
- stocks of py as cem for 60% ctg		2490								
- wk dis wkly ass w py + chl			10	52981	.002					
		2500								
- wk wkly along wall of qtz sericitic vein w vag wk py dis and in aggregates in vein + in fracturing wk py in sericitic envr.			10	52982	.002					
		2510								
			10	52983	<.001					
		2520								

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DEPTH (FEET)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	ALTERATION B	ALTERATION C	ALTERATION D	ALTERATION E	FRACT INTENSITY
2520	0.3			2070 2558 QUARTZ DIORITE						5
				smoothly bkn and fractured zone 2521-28'						
2540	0.0									N
	0.2									3
	0.5									2
2560	0.5			2558-2574 FAULT ZONE						
	0.3			Consist of chunks of QD + fld and fractured,						1
	0.0			some pcs of qtz and fldr sandy matrix. Many						
	0.4			fm carbonate, have calcite-serp veins						5
2580				2574-2929 QUARTZ DIORITE						
	0.3			Intrusive and host rock with an						
	0.0			undulating fractured trace of chlor from 2574						3
				Shears or cracks freq along qtz veins were 20-30°						
2600	0.1			C/A. Altd rock has greenish cast with fresh						1
				fl sp and pepper fl sp phens. Qtz phens 3-5%						
				are recrystd but not prim. Fld altn 2591-2600						
				includes account for any fracturing or chlor zone.						2
	0.0			- 2615 highly altd zone bleached w/ rare chlor qtz						
2620	0.1			- 2619 intensity increases w/ chlor, hydrous alt'n						3
										2
	0.0									
2640	0.0			- 2639 some ank in calc/quartz qtz-py veins						
				- 2644 ft bx increase, grn + sericite, decreased qtz						1
	0.5			bands and appear at 20° C/A						
				- 2665-68 altd zone mostly of sericite 2657-58						6
2660	0.4			qtz chlor vns in fractured and pinched to 2 mm in						
				70% and high grade zone 1956-2020 in 77-3						3
	0.3									
2680	0.3			2672-75 sheared altd zone w/ chlor, sericite, ank						2
				and qtz veins 1-2 in at ~ 25° C/A						
				2680 7" long rounded inclu of granitoid bx rock						3
	0.0			- 2681-90 fr bx with local 20° C/A						
2700	0.2			10% calc veining, some of it crosscut by qtz and						8

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% MoS_2	%	%			COMPOSITE ASSAYS
- wk chloritic to Lm - weak wispy qtz-chl veining and fract. pyr - fine beam of fg amb cutoff		2534	10	52984	.003					
		2560								
- Sil qtz veining to pyr in qtz veins and in fracs of wk. wk. Black pod zone weakest and the fill zone, qtz vein, bl. and likely combin molyb - 2574 at vein + wk chl and bands of		2566 2574	8 8	52985 52986	.001 .002					
- Pyr and pyr qtz veins to 25mm with MoS_2 - appears as if is mainly pod in fracs all of zone		2600								
- wk chloritic zone to weak pyr veins and fracs all of zone		2620	10	52987	.002					
		2640								
- Blebs of py up to 1" long in fg qtz vein + some py and pyrr in Pod alt zones		2655								
- wk chl alt. wk rock as veins + fragges bleached + fg - very similar to high grade zone in 273 except no molyb - Pyr + py is mainly in alt fragments or fine qtz in chloritic rock		2665	10	52988	.003					
- Dec sil in fracs OD and very shaly - Pyr py + qtz in alt zones and veins		2680								
		2700								

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DEPTH (FEET)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION Chlor A	Ser B	S.I C	Bio D	Anh E	FRACT INTENSITY
2760				2574-2929 QUARTZ DIORITE						
	0.0		qtz pg sph	2709: 20° parting ...						9
2770	0.1			...						11
	0.0			2737: 1/2" brown seam at 2nd bio ...						1
2780	0.3		qtz pg wisp	2740: 2" wide qtz in slightly ...						5
	0.3		qtz pg sph	...						2
2790	0.0		qtz pg ss sph	2775: chlor-bio filled shears at 20° C/A						4
	0.0			2777-80: ...						11
2800	0.0		qtz pg sph qtz	2793: 1/4" wide sheared ...						16
	0.1			...						5
2810	0.0		qtz pg wisp qtz pg wisp	2801-02: ...						6
	0.0			...						16
2820	0.0		qtz pg wisp qtz pg sph	2821-30: ...						7
	0.0		qtz ser pg wisp	...						9
2830	0.2		qtz pg wisp qtz sheared wisps	2835-40: similar qtz ...						11
	0.0		qtz ser chlor pg wisp	2846-52: numerous ...						5
2840	0.2		qtz fld ser pg wisp	...						2
	0.1		qtz fld ser pg wisp	2861-65: qtz fld ...						8
2860	0.0			...						8
2880										

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% MoS_2	% Zn	% Pb			COMPOSITE ASSAYS
Fine grained dissem & stringer molybdenite mineralization in quartz vein striking east & +70° S/S to 1 cm wide in rusty weathered sericitized fine grained granitic rock		2710	10	52989	.002					
		2730								
		2740								
Molybdenite in narrow qtz vein, confined to core			10	52990	.001					
Well banded molybdenite mineralization in qtz vein		2750	10	52991	.003					
Molybdenite in narrow qtz vein at a shear zone parallel to core		2760	10	52992	.002					
Fine disseminated molybdenite in granitic rock on one side of narrow qtz vein		2780								
Disseminated molybdenite in sericitized granitic rock		2800								
Molybdenite in narrow qtz vein		2820								
Molybdenite in narrow qtz veins		2834								
Molybdenite associated with fine grained granitic dykelet		2840	11	52993	.016					
Molybdenite in fine grained granitic dykelets and as fine disseminations in the wallrock of dykelet veins		2854	8	52994	.002					
		2865	7	52995	.006					
Molybdenite in quartz veinlets		2880	10	52996	.011					
Molybdenite in narrow qtz veinlets		2890	10	52997	.002					

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DEPTH (FEET)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	ALTERATION B	ALTERATION C	ALTERATION D	ALTERATION E	FRACT INTENSITY
2850				2574-2924 QUARTZ DIORITE						
	0.3									5
										5
2900	0.2									
	0.1									5
										5
2920	0.0									
	0.0									3
				2924. END OF HOLE.						
2946				SPERRY SUN (Single Shot Magnetic)						

ACID TEST:

DEPTH	DIP	DEPTH	DIP	BEARING
100	74°	130	76°	S 50°W
200	74°	300	71°	S 49°W
300	71°	600	66°	S 46°W
400	70.3	900	62°	S 48°W
500	66°	1200	62°	S 49°W
600	64.5°	1400	62°	S 53°W
700	63.2°	1600	61°	S 57°W
800	61.6°	1800	62°	S 59°W
900	60	2000	62°	S 55°W
1000	59°	2200	62°	S 56°W
1100	58°	2400	63°	S 55°W
1200	60°	2600	63°	S 53°W
		2800	65°	S 56°W
		2924	66°	S 56°W

Also see separate Sperry Sun Gyro Compass Survey.

WP-6275C

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MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% MoS_2	%	%			COMPOSITE ASSAYS
Fine grained [illegible]		2900	11	52996	.042					
			9	52999	.008					
		2940	10	53000	.006					
- Pyrrhotite & subordinate pyrite and sphalerite, with trace [illegible] and [illegible]			10	53001	.008					
		2950	9	53002	.013					
		2960								
		2970								
		2980								
		2990								
		3000								
		3010								
		3020								

PAGE 1

MINIMUM CURVATURE METHOD OF COMPUTATION LISTED

TOTAL DEPTH	INCLINATION ANGLE	DIRECTIONAL DRIFT ANGLE	VERTICAL DEPTHS	LATITUDE FEET	DEPARTURE FEET	DIRECTIONAL DEPTHS	DOG LEG
0	0	0	0.00	0.00	0.00	0.00	.00
100	0	0	100.00	0.00	0.00	0.00	14.50
200	0	0	200.00	0.00	0.00	0.00	1.50
300	0	0	300.00	0.00	0.00	0.00	3.50
400	0	0	400.00	0.00	0.00	0.00	1.60
500	1	90	500.00	0.00	0.00	0.00	2.00
600	1	90	600.00	0.00	0.00	0.00	2.70
700	1	90	700.00	0.00	0.00	0.00	.70
800	0	90	800.00	0.00	0.00	0.00	1.51
900	0	90	900.00	0.00	0.00	0.00	1.70
1000	1	90	1000.00	0.00	0.00	0.00	1.40
1100	1	90	1100.00	0.00	0.00	0.00	.60
1200	1	90	1200.00	0.00	0.00	0.00	.70
1300	1	90	1300.00	0.00	0.00	0.00	.72
1400	0	90	1400.00	0.00	0.00	0.00	.45
1500	1	90	1500.00	0.00	0.00	0.00	1.27
1600	1	90	1600.00	0.00	0.00	0.00	0.61
1700	1	90	1700.00	0.00	0.00	0.00	0.15
1800	0	90	1800.00	0.00	0.00	0.00	1.22
1900	0	90	1900.00	0.00	0.00	0.00	.44
2000	1	90	2000.00	0.00	0.00	0.00	.23
2100	1	90	2100.00	0.00	0.00	0.00	.30
2200	1	90	2200.00	0.00	0.00	0.00	.54
2300	0	90	2300.00	0.00	0.00	0.00	.21
2400	0	90	2400.00	0.00	0.00	0.00	.50
2500	1	90	2500.00	0.00	0.00	0.00	.10
2600	1	90	2600.00	0.00	0.00	0.00	1.12
2700	1	90	2700.00	0.00	0.00	0.00	1.00
2800	1	90	2800.00	0.00	0.00	0.00	.06
2850	1	90	2850.00	0.00	0.00	0.00	1.06

THE CLOSURE DIRECTION IS 90 DEGREES PER ONE HUNDRED FEET.
THE DIRECTIONAL SECTION HAS COMPUTED ALONG 90 DEGREES.

SINCE SURVEY INSTRUMENT TOLERANCE TEST CALCULATIONS, THE BOTTOM HOLE
DISPLACEMENT IS 0.00 FEET AT THE DIRECTION OF 0 DEGREES 0 MINUTES.

Interpretation

The lithologies intersected by these drill holes are metasedimentary rocks of the Lardeau Group (Cambrian to Devonian or older) that have been intruded by a small stock of dykes of granodiorite. The clastics are represented by units that have been logged as argillite, impure quartzite, biotite-chlorite-schist, siliceous schist, etc. The carbonates are white to grey limestone and dolomite, in places altered to a diopside-actinolite skarn. So far as can be determined, the metasediments have the same attitude as mapped on surface; i.e., strike northwesterly and dip 50-80° NE.

The intrusion is a fine to medium grained, grey, porphyritic granodiorite. A darker, less altered phase has been logged as quartz diorite. The intrusive rocks present in the central to lower portions of these two holes are downward extensions of those exposed at surface, but insufficient data at this depth level does not justify speculation on the size or shape of the intrusion. None of the previous drilling or surface mapping obtained such a length of granodiorite as that in 78-4 (from 1085' to end of hole at 2929').

A major fault at 1024-1085' in 78-4 and 2466-2506' in 78-1B bounds the intrusion on the east side. Lesser faults of unknown attitude occur in metasediments to the east.

Cutting the central to lower portions of these holes is a stockwork of quartz veinlets, with which is associated molybdenite mineralization. Other sulphides accompanying molybdenite, and also occurring by themselves, are pyrite and pyrrhotite. Traces of chalcopyrite, galena, sphalerite, and scheelite have rarely been identified.

Conclusions

The results of these holes taken together with previous drilling justify the continued exploration of this prospect.

A more detailed interpretation of structure and mineralization trends is not feasible until (a) more deep drilling is done, (b) the problem of location of drill holes (as shown by the various types of surveys) is resolved,

and (c) a set of closely spaced geological sections is prepared.

T. N. Macauley, P. Eng.

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
T. N. MACAULEY

Vancouver, B. C.
October 11, 1978

STATEMENT OF COSTS

The following is a statement of direct costs of the work described in this report. The work was carried out from May 3 to July 21, and August 9 to September 12, 1978--a total of 85 days. Receipts are available to verify all contracted services.

DIAMOND DRILLING		$299,876.75
Based on 7437 feet, or 2267 metres, the cost per foot is $40.32 and the cost per metre is $132.28		
Drilling costs are unusually high due to:		
(a) broken caving ground in 78-1 requiring extensive reaming and cementing operations;		
(b) four wedging operations in 78-1 to reduce the dip of the hole;		
(c) the loss of 2470 feet of drill rods stuck in holes;		
(c) partial to complete loss of circulation in both holes requiring continual replacement of drilling mud and additives.		
DRILL HOLE SURVEYS		
(a) Sperry Sun Single Shot instrument rental 85 days @ $23.10/day		1,963.50
(b) Sperry Sun Gyroscope surveys		5,490.05
ASSAYING		
460 assays for MoS_2 @ $5.40	$2,484.00	
20 assays for WO_3 @ $8.10	162.00	2,646.00
WAGES		
Geologist, 85 days, @ $58.20/day	4,947.00	
Assistant, 85 days, @ $34.90/day	2,966.50	7,913.50
FOOD AND ACCOMMODATION		
Meals included in drill invoices at $5.00 each		
Trailer and tent accommodation, 85 days @ $8.33		708.30
	Carried forward	$318,598.10

STATEMENT OF COSTS (Cont'd)

Brought forward	$318,598.10
TRUCK RENTAL (4 wheel drive)	
85 days @ $22/day	1,870.00
TRUCK FUEL	456.01
FREIGHT ON SAMPLES - Revelstoke to North Vancouver	303.50
BULLDOZER RENTAL	10,056.75
Road building, site preparation, moving, standby (D6 @ $25/hr, D8 @ $50/hr)	
CORE STORAGE	1,173.88
Lumber, steel bars, contract labour	
REPORT PREPARATION	500.00
Wriring, draughting, typing, printing	
TOTAL COST OF WORK	$332,958.24

ASSIGNMENT OF COSTS TO THE 4 CLAIM GROUPS

Total cost of work as stated on the Statements of Exploration and Development is $323,642.24. This amount differs from the Total Cost of Work shown in the accompanying "Statement of Costs" because some of the costs had to be estimated when assessment work was filed on September 13, 1978. This amount was apportioned between the 4 claim groups in ratio of the hole length drilled on that group to the total hole length drilled.

TROUT 1 GROUP - drilling done on CH Crown Grant

78-1	2536 feet	
78-4	1600	
	4136 feet	
	Cost of work on group: $\frac{4136}{7437} \times \$323,642.24$	$179,982.72

TROUT 2 GROUP - drilling done on Lucky Jay No. 1 and Copper Chief moly claims was from 2028' to 3410' in 78-1, a total of 1382 feet

	Cost of work on group: $\frac{1382}{7437} \times \$323,642.24$	60,144.64

TROUT 3 GROUP - drilling done on Lucky Jay No. 6 and Copper Chief Moly No. 1 claims was from 3410' to 4000' in 78-1, a total of 590 feet

	Cost of work on group: $\frac{590}{7437} \times \$323,642.24$	25,676.80

TROUT 4 GROUP - drilling done on Anex claim was from 1600' to 2929' in 78-4, a total of 1329 feet

	Cost of work on group: $\frac{1329}{7437} \times \$323,642.24$	$ 57,838.08

STATEMENT OF QUALIFICATIONS

I, H. Craig Boyle, do hereby certify that:

1. I graduated in geological engineering from the University of British Columbia in 1975.

2. I am registered as an Engineer-in-Training with the Association of Professional Engineers of British Columbia.

3. I have been employed by Newmont Exploration of Canada Limited since February, 1976.

4. I have logged the drill core described in this report, as well as that from most of the previous drilling on this property.

H. C. Boyle

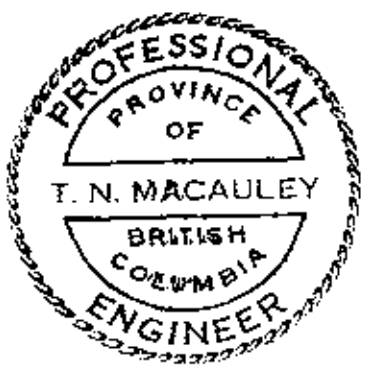
I, Terrence N. Macauley, do hereby certify that:

1. I am a geological engineer (B.Sc. Queen's University, 1958; M.Sc. Michigan Technological University, 1962).

2. I am a member of the Association of Professional Engineers of British Columbia.

3. I have been employed by Newmont Exploration of Canada Limited since 1965, and currently have the position of Exploration Manager, Western Division.

4. The work described in this report was done under my direction.



T. N. Macauley, P. Eng.

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HORSESHOE
L. 5342

LUCKY BOY
L. 5423

LUCKY BOY
FR.

LUCKY JAY 2

ORIGIN OF
COORDINATE
SYSTEM

CH
L. 4741

ANEX

TL 1

4500'

TL 2

LUCKY JAY 3

SINGLE-SHOT
SURVEY

5000'

GYRO
SURVEY

LUCKY JAY
1

COPPER CHIEF MOLY 2

XYZ
L. 4742

SINGLE-SHOT
SURVEY

GYRO
SURVEY

COPPER CHIEF MOLY

LUCKY JAY 6

COPPER CHIEF MOLY 1

7913

NEWMONT EXPLORATION OF CANADA LTD.

DRILL HOLE LOCATIONS

SCALE	LOCATION	DATE
1:500	TROUT LAKE, B.C.	OCT. 1976
SURVEY BY	DRAWN BY	NO.
[illegible]	[illegible]	2

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