

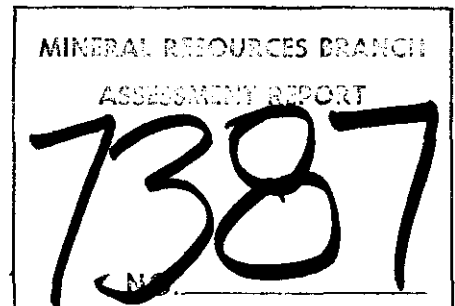
DIAMOND DRILL REPORT
ON THE
COLE CLAIM

CARIBOO MINING DIVISION

93 B 8/E

(LATITUDE 52°30', LONGITUDE 122°15')

OWNER AND OPERATOR
GIBRALTAR MINES LIMITED
McLEESE LAKE, B.C.



Author: G.D. Bysouth

Submitted: 16 August 1979

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FIGURES

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1.0 INTRODUCTION

The Cole claim lies approximately 4 miles (6.44 km) south of the Gibraltar Mines concentrator and about 1.5 miles (2.42 km) east of the southern end of Cuisson Lake. It is situated along the southern flank of Granite Mtn. at approximately the 3500-foot elevation. Access is via a 4 wheel drive-type road which links the claim to the Gibraltar Mines road to the west. General location of the claim is shown in Figure 1.

The property has been staked numerous times since the 1960's due mainly to the exploration activity around Iron Mtn. to the east. Over 90% of the property is covered by glacial till and outwash. Underlying bedrock geology appears to be dominated by a broad contact zone formed between Permian Cache Creek Group rocks to the south and Triassic Diorite Plutonic rocks to the north. The property has not been extensively explored due to the overburden cover but several surface copper showings have been explored by trenching. In 1967, Mc Phar Geophysics Limited carried out an I.P. Survey for Cominco Limited over a large area which also included the ground presently held by the Cole claim. An I.P. anomaly was established over this ground and ground to the west. The Cole claim and all the claims shown in Figure 2 are owned by Gibraltar Mines Limited.

The drill program was carried out by J.T. Thomas Drilling during the periods May 9-11 and May 26-27, 1979. Three vertical N.Q. wireline diamond drill holes were drilled for a total of 1503 feet. (458.11 m.). Core is stored at Gibraltar Mines plant site.

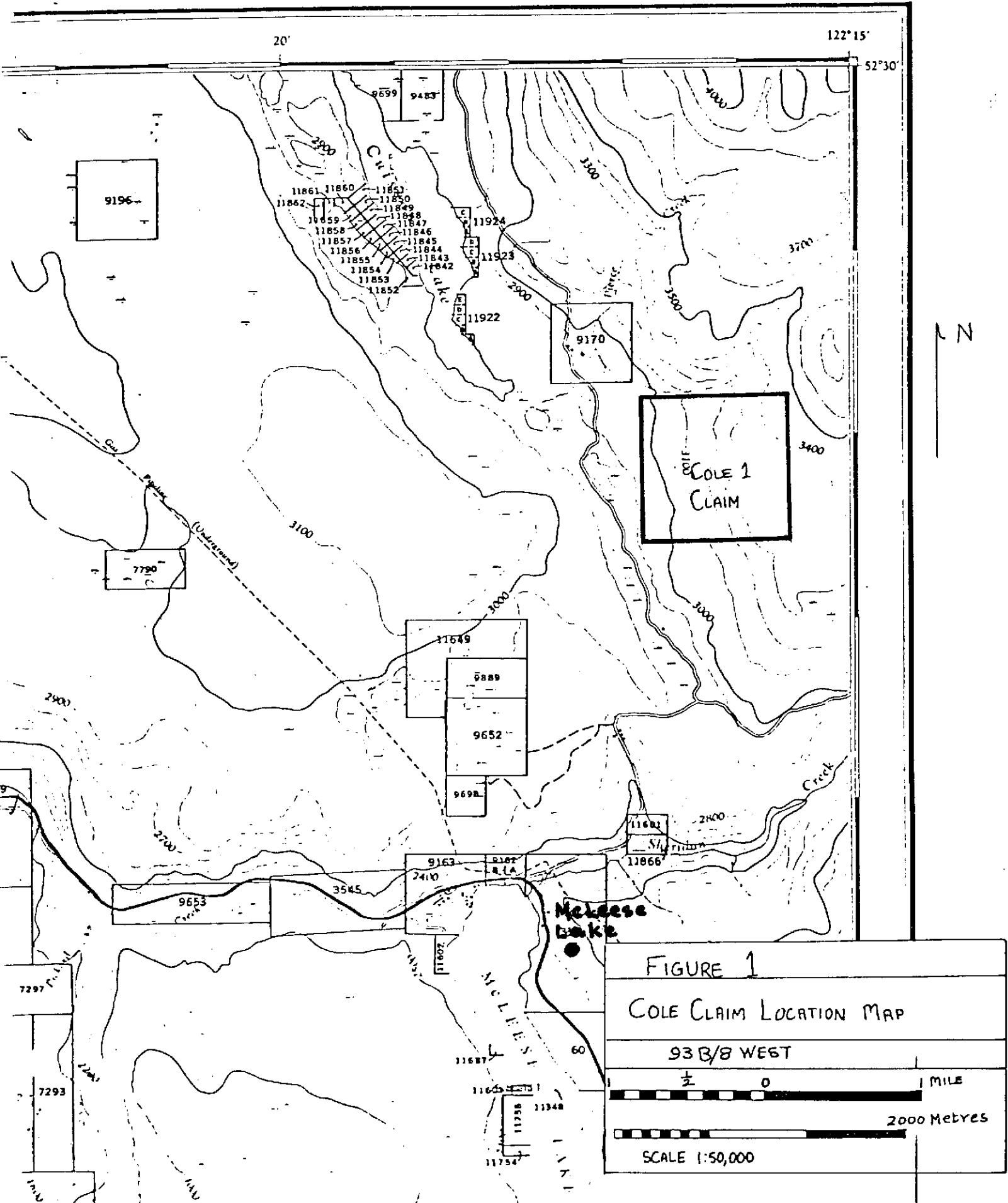
2.0 MINERAL CLAIMS

The Cole and adjoining claims are shown in Figure 2. The Cole and Tim claims consist of 9 units and 2 units, respectively, and were recorded on August 28, 1978. The Geoff claim consists of 9 units and was recorded May 29, 1979. The Ryan, Aaron, and Doug claims consist of one, one and three units respectively, and were recorded June 26, 1979. All of these claims belong to Gibraltar Mines and adjoin, to the north and west, 2 post claims of the Gibraltar Mines permanent property.

3.0 DRILL PROGRAM

3.1 OBJECTIVE

The purpose of this drill program was to evaluate the I.P. anomaly established in 1967 by Mc Phar Geophysics Limited. Accordingly, three diamond drill holes were planned along the strike of the major conductor.



3.2 RESULTS

The drill hole locations are shown in Figure 2. Hole 79-12 lies 700 feet east of hole 79-11, and hole 79-11 lies 1000 feet east of hole 79-13. All holes intersected extensive pyrite mineralization and weak chalcopyrite mineralization. Oxide and supergene effects were negligible. All copper values reported here and in the logs are for total copper, all pyrite concentrations reported are visual estimates and all molybdenum reported is MoS_2 . Drilling conditions were generally good and most core recoveries were 95% or better. Overburden was relatively shallow.

Hole 79-11 was cased to 59 feet. Between 200 and 460 feet, a 260 foot wide zone of .197% copper was intersected. This copper zone appears confined to a pyrite zone containing over 5% pyrite which was encountered between 100 and 400 feet. Above the pyrite zone, pyrite concentrations appeared less than 1% but below it, about 2% to the bottom of the hole at 504 feet. Molybdenum values were negligible.

Hole 79-12 was cased to 34 feet and encountered a similar pyrite zone at 200 feet but copper concentrations were more erratic; that is, 60 feet of .223%, 40 feet of .150% and 40 feet of .145% copper separated by relatively barren zones. Pyrite concentrations above the pyrite zone appear less than 1%. The hole was terminated at 505 feet, still within the pyrite zone. Molybdenum values were negligible.

Hole 79-13 was cased to 30 feet and intersected a pyrite zone between 90 and 350 feet in which pyrite concentrations appear well above 5%. A 50 foot zone of .275% copper was encountered between 90 and 140 feet, and a 260 foot zone of .180% copper was intersected at 240 feet to the bottom of the hole at 494 feet. Like hole 79-11, pyrite concentrations above the pyrite zone were less than 1% but about 2% below it. Best molybdenum zones were 40 feet of .015% MoS_2 and 60 feet of .016% MoS_2 .

All three holes were in a fine to medium grained foliated diorite which contains numerous zones of intense shearing, folding and crenulation. Rock within these zones has been altered to a quartz-sericite-carbonate-chlorite mineralogical assemblage, and mineralized with pyrite and minor chalcopyrite. Sulfides within the zones and in the host rock between the zones generally occur in quartz-carbonate veinlets parallel to foliation planes and closely associated with sericite or chlorite, or in some cases, epidote. The sulfides may also occur as massive veins, or as fine disseminations in lenses of pure chlorite and sericite. The apparent widths of these deformed and altered zones ranges between 40 and 160 feet.

3.3. INTERPRETATION

Drill results suggest a sulfide zone has been intersected which has a known strike length of 1700 feet, contains over 5% pyrite and has a thickness of over 250 feet. Rock above the zone appears almost barren while rock below it may contain 2% pyrite. Chalcopyrite occurs in small but uniform amounts throughout the zone, and appears to show greater concentrations towards lower portions of the zone. Molybdenum values are low but roughly increase with increased copper concentrations. The host rock has been tentatively correlated with the Border Phase Diorite of the Granite Mtn. pluton. It has been cut by numerous shear zones along which the rock has been deformed, altered and mineralized. These zones dip between 40 and 60 degrees and contain most of the sulfide concentration; they are clearly the principle structural controls for the mineralization and alteration.

4.0 STATEMENT OF EXPENDITURES

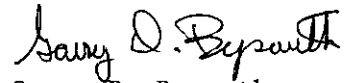
MAY 1979 DIAMOND DRILLING COLE M.C.

(a) Site Preparation				
	TD20E Bulldozer 3-4th May			
		17 hours @ \$53.00/hr		\$ 901.00
(b) Drilling Costs				
	Moving	\$ 588.20		
	Drilling 79-11	\$6,959.20		
		79-12	\$6,974.00	
		79-13	\$6,817.20	
	Materials	\$ 299.25		\$21,638.15
(c) Vehicle Costs				
	4x4 1979 Bronco Rental 16 April-11 May			
		6 days @ \$19.33/day		\$ 115.98
(d) Assay Costs (Cu + MoS ₂)				
	132 Assays @ \$4.00/assay			\$ 528.00
(e) Miscellaneous Costs				
	75 Core boxes @ \$4.60/box	\$345.00		
	Core splitter blades	\$ 59.00		
				\$ 404.00
(f) Personnel Costs				
	<u>Core logging and supervision</u>			
	G.D. Bysouth	May 10	8 hrs	
		May 11	8 hrs	
		May 27	8 hrs	
			<u>24 hrs</u>	@ \$14.42 \$346.08
	<u>Field Work and Organizing</u>			
	E. Oliver	April 16	8 hrs	
		May 4	8 hrs	
		May 9-11	24 hrs	
		May 14-15	16 hrs	
		May 25	8 hrs	
			<u>64 hrs</u>	@ \$ 9.05 \$579.20
	<u>Core Splitting</u>			
	P. Baines	May 15-18	32 hrs	
		May 30	8 hrs	
			<u>40 hrs</u>	@ \$7.14 \$285.60
	J. Brodie	May 15-18	32 hrs	
		May 30	8 hrs	
			<u>40 hrs</u>	@ \$7.14 \$285.60
				\$1,496.48
				\$ 1,496.48
	TOTAL DRILLING COST			\$25,083.61

5.0 CONCLUSIONS

Drill results indicate the I.P. anomaly outlined by McPhar in 1967 was caused mainly by pyrite mineralization which forms a body having a proven strike length of at least 1700 feet and an apparent thickness of 250 feet.

Submitted by,



Garry D. Bysouth
Senior Geologist

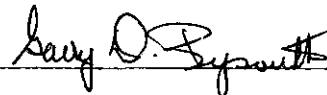
GIBRALTAR MINES LIMITED

APPENDIX A

STATEMENT OF QUALIFICATION

I, Garry D. Bysouth, of Gibraltar Mines Limited, McLeese Lake, B.C., do certify that:

1. I am a geologist.
2. I am a graduate of the University of B.C., with a B. Sc. degree in geology in 1966.
3. From 1966 to the present I have been engaged in mining and exploration geology in B.C.
4. I personally supervised this drill program, logged the core and assessed the results.



Garry D. Bysouth

APPENDIX B

ABBREVIATIONS USED IN DRILL LOGS

cal	calcite
carb.	carbonate
chl.	chlorite
cp	chalcopyrite
cren.	crenulated
dissem.	disseminated
ep	epidote
foln.	foliation
grn.	grained
lim.	limonite
mal.	malachite
mag.	magnetite
py	pyrite
QSP	quartz-sericite-py
qtz	quartz
rx.	rock
ser.	sericite
str.	strong
stkwk	stockwork
wk	weak

GRID L160/69S

APPENDIX III : DDH 79-11

80B

HOLE No. 79-11

SHEET No. 1 of 7

LOCATION COLE CLAIMS
DATE COLLARED May 9, 1979
DATE COMPLETED May 10, 1979

BEARING _____
LENGTH 504'
DIP -90°

LATITUDE _____
DEPARTURE _____
ELEVATION _____

CORE SIZE N.O.W
SCALE OF LOG 1" = 10'

LOGGED BY G.D.B
DATE May 10, 1979

REMARKS _____

ROCK TYPES & ALTERATION							GRAPHIC LOG			Veins ∠ to Core Axis	Width of Vein	Mineralization	Sericite Zone	Remarks	Footage Blocks	Composites	Estimated Core Recovery %	ASSAY RESULTS				
Qtz.	Plag.	K-Spec.	Mafic	Texture	Hardness	∠ to Core Foliation	Foliation Alteration	Footage Structure	Sample Number									%		Estimated Grade		
									Co.									Mo.	Co.		Mo.	

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NO.

Casing
To 59'

**BANDED SER-
-CHL-CARB.
SCHIST**
chl = Ser = 20%
in alt. bands
~ 1/4" wide with
qtz and carb.,
crenulated,

less crenulated
and chl. > ser
= 40%

Ser > chl. 96-102

**BORDER
PHASE
DIORITE
(over)**

GRAPHIC LOG
Foliation
Alteration
Footage
Structure

Veins
∠ to Core
Axis
Width of
Vein
Mineralization
Sericite Zone
Remarks
Footage
Blocks
Composites
Estimated
Core
Recovery
%

70
76
80
90
96
102
100

70°
60°
30°
30°

2 1/2"
1/4
1/2 x 2

qtz-cp
qtz-py
qtz

numerous veins
of carb. qtz. py
1/8-1" parallel
to foliation;
Total py ~ 1-2%
59'-102'

96-102 stock wk
qtz-chl-py (cp.)
veinlets

70
30
70
80
30

1"
2"
1/2"
1/4"

qtz-chl.-py
chl.-py
qtz
py

Wk. Limonite
staining to
72'

cp. in lame blebs
X-cutting foliation
incr. cp with incr.
chl. 76-96

80

24526

.02

.006

90

24527

.02

.006

90

24528

.150

.014

90

24529

.09

.007

85

24530

.10

.006

80B

ROCK TYPES & ALTERATION						L to Core Foliation	GRAPHIC LOG	Veins L to Core Axis	Width of Vein	Mineralization	Sericite Zone	Remarks	Festage Blocks	Composites	Estimated Core Recovery %	ASSAY RESULTS				
Qtz.	Plag.	K-Sper.	Mefc	Texture	Hardness											Sample Number		%		Estimated Grade
																Cu.	Mo.	Cu.	Mo.	
10	50 (Saus)	-	35% chl.	Fine to Med Grn Variab foliation	4.5	BORDER PHASE DIORITE (102-192)	35° mod.	10x4 10	1/10"	gtz-chl-py gtz-py					95	24531		.07	.005	
						Both fine and med. grn. phases - sl. bleaching - num. small ser. chl. carb schist zones	40 mod.	70 50x2 90	12" 1/10x2 1"	chl-py chl-py gtz. gtz. gtz.	K'Sper 1/4"				95	24532		.07	.010	
						- very obvious Saus and macro. ep.	35 str. 60 wk	60x2 90x2 60	1/4x2 1/2x2 2"	gtz-py x2 gtz chl-py		+ hlc-1/10" stkwk. py			90	24533		.08	.006	
						Rx incr. in grn. size ↓	35 str. 60 wk	30 50 50 20 150	1/10" 1/8" 2" 2" 1/2"	chl-py chl-py gtz-ep-py gtz-chl. gtz-ep-py					95	24534		.09	.006	
							60 wk.	75 50x2 70 50x3 50x4 160	1/4 1/10x2 1/4 1/10x3 1/8x4 1/8x4	gtz. chl-py x2 py py x3 py x4 py x4		+ hlc-1/10" stkwk. py			95	24535		.095	.008	
							80 mod.	90 80x3 90 70 80 70 70x5 85x5 170	1/10 1/10x2 1/10 1/10 3" 1/10x5 1/4 1/10	py py x3 py py py gtz-chl-py py x5 py x5 py x2				95	24536		.078	.010		
							70 mod.	80 70x5 80 80	1/20 1/10x5 1/4 1/20	py py x5 chl-py py				95	24537		.098	.010		

MINERAL RESOURCES BRANCH
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SQB

ROCK TYPES & ALTERATION						L to Core Foliation	GRAPHIC LOG	Veins L to Core Axis	Width of Vein	Mineralization	Sericite Zone	Remarks	Footage Blocks.	Composites	Estimated Core Recovery %	ASSAY RESULTS				
Qtz.	Plag.	K-Spar.	Mafic	Tasters	Hardness											Sample Number		%		Estimated Grade
																Cu.	Mo.	Cu.	Mo.	
						60 Mod	190	60x3 70x4 80 50 60x3 90 70x3	1/20 x 3 1/20 x 4 2" 3" 1/20 x 2 2" 1/20 x 3	Pyx3 Pyx4 gtz-py gtz-ep Pyx3 gtz-chl (py) Pyx3				90	24538		.082	.012		
						60 mod.	200	60x15 60 50x10 40x3 50	1/20-1/20 x 5 1/2" 1/10 x 10 1/20 x 3 2" 1/2"	chl-py x 15 gtz chl-py x 10 Pyx3 gtz-chl-py gtz-py gtz x 3 gtz-chl-py gtz-mag (cp) gtz-chl-py x 4 gtz-chl-py gtz-chl-mag-py-cp Pyx10 Py gtz (mag) (py)				95	24539		.100	.010		
						60 Mod	210	60x3 70 80 60x4 60 70 70x10 80 80	1 1/2" 1" 1" 1/20 x 4 2" 1 1/2" 1/10 x 10 1/2" 3/4" 3/4"	gtz x 3 gtz-chl-py gtz-chl-py (cp) gtz-chl-py x 4 gtz-chl-py gtz-chl-mag-py-cp Pyx10 Py gtz (mag) (py)				95	24701		.138	.008		
						80 Mod	220	70x8 60x10 80 60 50 20	1/10 x 8 1/20 x 10 x 10 1" 6" 1/2" 1/2"	Pyx8 Pyx10 gtz gtz-chl-py (cren.) gtz gtz-py				95	24702		.208	.004		
						60 Str.	230	60x10 80 60x12 10x3 20 30 60x2 60x2	1/20 x 10 x 10 2" 1/20 x 12 1/4 x 3 1/4 1/8 1/4 x 3 1/4 x 2	Pyx10 gtz gtz-py x 12 gtz-py-cp x 3 Py-cp Py gtz x 3 gtz (mag) x 2 gtz		227		90	24703		.163	.009		
						50 Str.	240	80 70 60 40x4 70x5	1/20 1" 12" 1/2 x 4 1/10 x 5	gtz-py gtz gtz-chl. (cp) (py) Py-cp x 4 Pyx5				80	24704		.180	.005		
						50 WK.	250	30x7 80 30x2 40x3 30 90 90 40x3	1/20 x 7 1/2" 1/4 x 2 1/10 x 3 1/2 1/4 2 1/2 1/20 x 2	Pyx2 gtz-(vuggy) (cp) Pyx2 Pyx2 Py-chl. gtz-mag. gtz Pyx3				95	24705		.053	.001		

BORDER
PHASE
DIORITE
(192-192)

BANDED
SER.-CARB.-
CHL. SCHIST
(192-238)

-only minor
crenulation-

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
7387
NO

BORDER
PHASE
DIORITE
(238-280)

~60% PY
238-280

LOB

ROCK TYPES & ALTERATION						L to Core Foliation	GRAPHIC LOG Foliation Alteration Footage Structure	Veins L to Core Axis	Width of Vein	Mineralization	Sericite Zone	Remarks	Footage Blocks.	Composites	Estimated Core Recovery %	ASSAY RESULTS						
Qtz.	Plag.	K-Spr.	Mafic	Tertiary	Hardness											Sample Number		%		Estimated Grade		
																Cu.	Mo.	Cu	Mo.			
					<u>BORDER PHASE DIORITE</u> (238-280)	50 Mod.	260	30x3 50 90 40 40 30	1/4x3 1/2" 1" 12" 1/2"	gtz-py. x3 vuggy gtz. gtz. gtz. gtz-chl.-py. gtz-py				257	98	24706		.16	.012			
						50 Wk.	270	10x8 40 80	1/10x8 2" 48"	py x 8 gtz-py gtz-chl-py-cp					267	98	24707		.10	.006		
						50 Mod 70 Str.	280	80x2 70x3 80x3 80x6 40 40 70x2 60 70x2	1/10x2 1/20x3 1/4x3 1/4x1 1/4 10" 1/2"x2 1/2" 1/2"x2	py x 2 py x 2 gtz-py x 3 gtz x 6 gtz gtz-chl-py gtz-py x 2 gtz-cp gtz-py-cp					277	98	24708		.29	.002		
					<u>BANDED SER.-CHL.- CARB.-SCHIST</u> (280-360)	50 Mod 70 Str.	290	80 60 60x2 30	4" 2" 1/4x2" 1/2"	gtz-chl. gtz-cp gtz-py		~ 80% PY (280-360) py + cp mainly diss. along fol. planes - larger veins are noted in log.				287	95	24709		.25	.006	
					chl → ser.	Cren. Folded	300	90x2 30 90x10 90x2 30 30x3 80x8	1/10x2 1/2 1/10+1/4x10 1/2"x2 1" 1/4x3 1/10x5+1/4x3	py x 2 gtz-py gtz-py gtz-(py)(mag) gtz-(cp) py (cp) gtz-py x 3					297	95	24710		.33	.016		
						Cren. 40?	310	40x8 80x2 70x4	1/10x8 1/20x2 1/10x4	py x 8 py x 2 py x 4					307	95	24726		.14	.006		
						Cren. 40?	320	40x2 20 80 30x2	1/10x2 1/2 1/4 1/4	py x 2 gtz-py gtz gtz-py					317	95	24727		.22	.006		

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 NO.

60B

ROCK TYPES & ALTERATION						L to Core Foliation	GRAPHIC LOG Foliation Alteration Footage Structure	Veins L to Core Axis	Width of Vein	Mineralization	Sericite Zone	Remarks	Footage Blocks.	Composites	Estimated Core Recovery %	ASSAY RESULTS				
Qtz.	Plag.	K-Spr.	Mafic	Texture	Hardness											Sample Number		%		Estimated Grade
																Cu.	Mo.	Cu.	Mo.	
						50 Mod	330	80 50 50	1" 1" 1 1/2"	gtz. py py					98	24728		.22	.005	
						50 Mod	340	30x2 30	1/4 1/10	vuggy gtz-py-cp py			327		98	24711		.26	.008	
						40 Str.	350	40x4 40 80 40x20 30	1/10x4 1/2" 1/10x4 1/20x20 1/10	gtz-py-cp gtz-py-cp gtz-py-cp gtz-py-cp gtz-py-cp			347		96	24712		.20	.003	
						50 Mod.	360	90 40x5 30 50x10 50x2	2" 1/10x5 1" 1/20x10 1/10x2	gtz-chl-py-cp py x 5 gtz-vuggy-py-chl. py x 10 py x 2			357		96	24713		.19	.008	
						60 Mod	370	30x2 30x2 35x2 30-60	1/10x2 1/20x2 1/10x2 hle x 20	py x 2 py-cp x 2 py x 2 py (cp) x 20		~ 6% py (360-396)			98	24714		.17	.002	
						50 Str.	380	60x3 20 10 50 60 60 30	1/8x3 1" 1/4 1/4 1/4 1/2 1/20	py x 3 gtz gtz (py) py-cp gtz-py-cp gtz-cp py			377		98	24715		.266	.005	
						40 Str.	390	50x3 50x20	1/10x3 hle x 20	py (cp) x 3 py x 20			387		98	24716		.231	.009	

MINERAL RESOURCES
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 NO

BORDER
PHASE
DIORITE
 (Med. Grn.)
 (360-371)

BANDED
SER.-CHL.
CARB. SCHIST
 (360-396)

- appears brecciated, with ep clots

LOB

ROCK TYPES & ALTERATION						L to Core Feet	GRAPHIC LOG Feet	Veins L to Core Axis	Width of Vein	Mineralization	Sericite Zone	Remarks	Feet Blkts.	Composite	Estimated Core Recovery %	ASSAY RESULTS				
Oz.	Pct.	K-Spec.	Metic	Texture	Hardness											Sample Number		Estimated Grade		
																Cu.	Mo.	Cu.	Mo.	
						396	40 mod	40 x 4 50 x 2 50 x 2 30	1/20 - 1/10 x 3 1/10 x 2 1/10 x 2 1/4	py-cpx + py x 2 gtz-chl-py-cp x 2 qtz-py (cp)										
							400	50	1/10	py (cp)			397		98	24717		.287	.010	
					<u>BORDER PHASE DIORITE Fine-Med. Grn. (396-449)</u>		Wk	50 50 30 x 2 30-50 x 6	1/10 1/8 1/10 x 2 1/20-1/16 x 6	py (cp) gtz-cp py (cp) cp										
							410	90	3"	qtz			407		98	24718		.142	.004	
							ND	40 80 30 80	1/8 1/8 1/10 1/2	py-cp py-cp py gtz										
							ND	30 40 30 30	1" 2" 1/4 1/10	gtz-mag gtz-mag py gtz-py-cp										
							ND	20 x 2 20 40	1/2 x 2 1/2 1/4	gtz-mag. x 2 py py										
							449	40 30	1/4 1/10	py py										
							ND	40 30	1/4 1/10	py py										
					<u>BANDED SER.-CHL.-CARB SCHIST (449-460)</u>		30 str.	30 10 10 10	1/2 1/4 1/4 1/2	gtz-py (cp) py py qtz										
							460						451		90	24542		.250	.009	

MINERAL RESOURCES BRANCH
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ROCK TYPES & ALTERATION						L to Core Feet	GRAPHIC LOG Feet	Veins L to Core / Axis	Width of Vein	Mineralization	Sericite Zone	Remarks	Feet Blocks	Composites	Estimated Core Recovery %	ASSAY RESULTS				
Qtz.	Plag.	K-Spar.	Mafic	Texture	Hardness											Sample Number		%		Estimated Grade
																Cu.	Mo.	Cu.	Mo.	
				BORDER PHASE DIORITE		30	470	5 5 0	1' 1/4 1/4	gtz PY gtz-chl-(PI)		2% PY (396-504)	464		95	24543		.09	.009	
						Cren. 20?	480	56 80	1' 1/2	PY PY			474		98	24544		.139	.006	
						40 Str	490	40 90	1/4 1/4	PY PY			484		98	24545		.088	.008	
						40 Str.	500	70 80 90 x 3	3/4 1/4 hlc	PY vuggy gtz. gtz-PY x 3			494		95	24546		.08	.008	
						504		30 80	3/4 1/4	PY vuggy gtz			504			24547		.123	.008	
				END OF HOLE																
						504'														

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Sandy Q. Bryant

APPENDIX IV: DDH 79-12

HOLE No. 79-12
SHEET No. 1 of 7

GRID _____	LOCATION <u>COLE CLAIMS</u>	BEARING _____	LATITUDE _____	CORE SIZE <u>N.Q.W</u>	LOGGED BY <u>G.D.E</u>
DATE COLLARED <u>May 10, 1979</u>	LENGTH <u>505'</u>	DEPARTURE _____	ELEVATION _____	SCALE OF LOG <u>1" = 10'</u>	DATE <u>May 11, 1979</u>
DATE COMPLETED <u>May 11, 1979</u>	DIP <u>-90°</u>	REMARKS _____			

ROCK TYPES & ALTERATION						Z to Core Foliation	GRAPHIC LOG Foliation Alteration Footage Structures	Veins Z to Core Axis	Width of Vein	Mineralization	Sulfide Zone	Remarks	Footage Blocks	Composites	Estimated Core Recovery %	ASSAY RESULTS				Estimated Grade
Qtz.	Plag.	K-Sper.	Mefc.	Texture	Hardness											Sample Number		%		
																Cu	Mn	Cu	Mn	
						Casing to 34'														
15%	50% (Saus)	-	30% (Chl.)		5-6	<u>BORDER</u>											24551		.019	.006
						<u>PHASE</u>											24552		.021	.006
						<u>DIORITE</u> (34-199)	?							44.6	85					
						34-75 med. grn wk. foliation		50												
							?								90					
								60						57						
							?								95					
								70						67						
							?								90					
						75-144 Fine grn. non. foliated		80							90					
							ND								95					
								90							95					
															95					
															95					
															95					
															95					
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															95					
															95					

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Weak Limonite Zone
minor Mn, Lim. & Magnetite.



Broken
Core
75-79

ROCK TYPES & ALTERATION						L to Core Foliation	GRAPHIC LOG Foliation Alteration Footage Structure	Veins L to Core Axis	Width of Vein	Mineralization	Sericite Zone	Remarks	Footage Blocks.	Composites	Estimated Core Recovery %	ASSAY RESULTS				
Qty.	Pkg.	K-Spec.	Mefic	Texture	Hardness											Sample Number		%		Estimated Grade
																Cu.	Mo.	Cu.	Mo.	
						ND	60	1/8"	chl. (gts)			97			95					
						ND	100	1/4 6" 25 40	gts gts (pv) gts gts-chl.											
						ND	30 30	24" 1/2"	chl. gts.			107			95					
						ND	110	30	gts.		Sericite				95					
						ND	120	30	gts.			117								
						ND	130	40 50 30	py gts-ser-py py		Incr	127			95					
						ND	140	80 30 30 40 10 10	py gts gts-mag gts-py gts-ser-py (cp) gts-py			137			95	24561		03	.004	
						ND	150	80 70 90 60 30	gts-mag-cp. gts-mag-py-piedmontite gts-mag gts-mag. gts-chl.			143			85	24562		02	.004	
						1	166					153			90	24563		02A	.007	

BORDER PHASE
DIORITE
(34-199)
 bleaching 105-199
H. 3-4
Fine grn 75-144
 -bleaching appears
 due to sericite
 which may form
 up to 40% of
 the rock.

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ROCK TYPES & ALTERATION						L to Core Foliation	GRAPHIC LOG Foliation Alteration Footage Structure	Veins L to Core Azis	Width of Vein	Mineralization	Sericite Zone	Remarks	Footage Blocks.	Composites	Estimated Core Recovery %	ASSAY RESULTS				
Qty.	Plog.	K-Spr.	Mefic	Texture	Hardness											Sample Number		%		Estimated Grade
																Cu.	Mo.	Cu	Mo.	
					<u>BORDER PHASE DIORITE (34-199)</u>	ND	80 40 30 40x3 170	1/2 1/2 1/10 1/2x3 1/10	gtz gtz PY gtz-mag x3 PY				163		90	24564		.02	.004	
						ND	10 20+80 180	1/10 1/20+1/10	PY PY x2				175		80	24565		.016	.010	
						ND	30 30 190	1/10 1/10	PY py (piedmontite encl.)				185		45	24566		.01	.006	
						ND	70 40 199	4" 6"	py-piedmontite py-piedmontite				195		45	24567		.02	.008	
					<u>BANDED SER.-CHL- CARR. SCHIST 215-362</u>	Cren	30 50 200	24"	py-chl.-piedmontite				195		45	24567		.02	.008	
					199-207 80% Chl. 207-362 25% Chl Ser ≥ Chl.	70	80 30x4 90x3 210	1/4 - PY 1/10x4 1/10x3	Py (cp) dissem. along foliation planes -only large veins shown. PY x4 PY x3		~60% PY 199-270 -dissem. mainly along foln. planes.		205.6		90	24721		.30	.016	
					intensely Crenulated.	Cren	220						215.6		95	24722		.30	.007	
						70	230						226		90	24723		.213	.010	

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ROCK TYPES & ALTERATION						L to Core Foliation	GRAPHIC LOG Foliation Alteration Footage Structure	Veins L to Core Axis	Width of Vein	Mineralization	Sericite Zone	Remarks	Footage Blocks.	Composites	Estimated Core Recovery %	ASSAY RESULTS					
Qtz.	Plag.	K-Spr.	Mafic	Texture	Hardness											Sample Number		%		Estimated Grade	
																Cu.	Mo.	Cu.	Mo.		
						Cren.	70	2 1/2"	gtz												
						70 Str	70	2 1/2"	gtz-cal-py-cp			60% Py (199-270) - dissem. mainly along foln planes	236		95	24724		.150	.014		
						Cren.	240														
						70 Str	250						2466		90	24725		.115	.008		
						Cren.															
						70 Str	260						256		95	24729		.26	.010		
						Cren.															
						70 Str.	270	70	24"	gtz-carb.			267		95	24730		.04	.004		
						70 Str	280	70 80 80 30	12" 6" 8" 12"	gtz-py gtz-carb. gtz-carb-py gtz-carb.		40% Py (270' - 362') - dissem. mainly along foln planes -	277		95	24731		.04	.008		
						80 Med	290						287		75	2476		.02	.001		
						80 Med	300						297		95	2477		.03	.006		

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rx. consists of
alternating
gtz-carb. and
ser-chl. bands
1/10" to 1/2" thick

280-362: less
distortion - rx
is approaching
a foliated diorite-

603

ROCK TYPES & ALTERATION						L to Core Foliation	GRAPHIC LOG	Veins L to Core Axis	Width of Vein	Mineralization	Sericite Zone	Remarks	Footage Blocks.	Composites	Estimated Core Recovery %	ASSAY RESULTS				
Qtz.	Plag.	K-Spar.	Mafic	Texture	Hardness											Sample Number		%		Estimated Grade
																Cu.	Mo.	Cu.	Mo.	
						20 Mod	310	30 x 3 80 x 2 20	1/10 x 3 1/10 x 2 1"	gtz-py x 3 gtz-py x 2 gtz-py		4% Py (270-362') dissem. mainly along folia planes.	307	95		24178		.07	.003	
						50 Mod	320	50 x 2 50	1/2" 1/4"	gtz gtz			317	95		24179		.12	.010	
						50 Mod	330	50	36°	gtz-ser-py			327	95		24180		.10	.008	
						60 Mod	340	60	1"	gtz-py			337	95		24181		.18	.008	
						60 Mod	350			Qtz-ser-py			347	95		24182		.20	.011	
						65 Mod	360			~ 10% Py			357	95		24183		.09	.008	
						65	370	70	2 1/2"	gtz-py			367	95		24184		.06	.016	

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QTZ-SER-PY ZONE

ROCK TYPES & ALTERATION						L to Core Foliation	GRAPHIC LOG Foliation Alteration Footage Structure	Vein L to Core Axis	Width of Vein	Mineralization	Sericite Zone	Remarks	Footage Blocks	Composites	Estimated Core Recovery %	ASSAY RESULTS													
Qtz.	Plag.	K-Spar.	Mefic	Texture	Hardness											L to Core Foliation	Vein L to Core Axis	Width of Vein	Mineralization	Sericite Zone	Remarks	Footage Blocks	Composites	Estimated Core Recovery %	Sample Number		%		Estimated Grade
																									Cu.	Mo.	Cu.	Mo.	
						70 Med.	380	70 70xL 30 80x4 50 50 70x10 70x20	1/4 1/20x6 1/10 1/20 x 4 2 1/2" 1/10-1/20 1/10-1/20	813-PY 813-PY 813-PY PY x 4 813 (PY) 813 (PY) 813-PY x 10 813-PY x 20																			
<u>BORDER PHASE DIORITE</u> (362-469) - mainly fine Gr.																													
						40 Mod.	390	70 40x4 40 40	6" 1/10x4 1/4 1/4	813 (PY) PY x 4 813-PY PY																			
						65 Mod.	400	90 30 50x3 50 60 30	12" 1/10 1/10x3 1" 1/10 1/10	99 PY PYx2 813-PY PY PY																			
						70 wk.	410	20x2 30x2 50 30 30 50	1/20x2 1/4x2 1/8 1/2" 1/4 1/4 3/5	PYx2 PYx2 PY 813-spar-cp 813-PY 813-PY PY																			
						ND	420	30 10 30	1/8 1/8 1/4	PY PY PY																			
						ND	430	70x2 30x3 30 30x2 30 50 40	1/10 1/10 1/20 1/20x2 1/4 1/2 1/10	PY PY PY PYx2 813 813-PY PY																			
						ND	440	80 20 30x3 30 80x3 30x4	1/2 2" 1/10x3 9" 1/10x4x2 1/10x4	813-PY 813-ser PYx3 813-ser-py-cp 813-PY x 3 813-PY x 4																			

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ROCK TYPES & ALTERATION						L to Core Fellation	GRAPHIC LOG	Veins L to Core Axis	Width of Vein	Mineralization	Stratigraphic Zone	Remarks	Feetage Blocks	Composites	Estimated Core Recovery %	ASSAY RESULTS						
Qtz.	Plog.	K-Spez.	Mafic	Texture	Hardness											Sample Number		%		Estimated Grade		
																Cu.	Mo.	Cu.	Mo.			
					<u>BORDER PHASE DIORITE</u> (362-469)	ND	60 30 50x3 30 40	3" 1/4 1/4x3 1/8 1/5	gtz (py) py pyxs py py	444-447 QSP Zone	3% Py (390-469)					24192		.068	.020			
						ND	40 40-60 40 40 60	1/4 3" 1/8 1/10 1/4	pl gtz-ep (cp) gtz-py gtz-py gtz-py	454-456 QSP Zone	Broken Core 435-458					24193		.068	.014			
						ND	40x5 30 50x2 30x3 20x2 30	1 1/2-2x5 8" 1/10x2 1/10x3 1/10x2 1/8	gtz-pyxs gtz-chl. pyxs pyxs pyxs gtz-py-ep							24194		.09	.008			
					<u>BANDED SER.-CHL.-CARB. SCHIST</u> (469-505 EDH)	30	469 470 480					10% Py 469-505 (EDH)					24195		.14	.008		
						Cren 10-30	480 490		30? ---	Qtz-ser-py Zone - py confined to folio planes							24196		.25	.022		
						Cren 10-30	490 500											24197		.099	.016	
							505											24198		.07	.010	

MINERAL RESOURCES BRANCH
7387
 NO.

Larry D. Byrnes

End of
Hole 505'

LAB

GRID L150/72S

APPENDIX V: DDH 79-13

HOLE No. 79-13
SHEET No. 1 of 7

LOCATION Cole Claims BEARING _____ LATITUDE _____ CORE SIZE N.O.W LOGGED BY G.D.B.
 DATE COLLARED May 26, 1979 LENGTH 494' DEPARTURE _____ SCALE OF LOG 1"=10' DATE May 27, 1979
 DATE COMPLETED May 27, 1979 DIP -90 ELEVATION _____ REMARKS _____

ROCK TYPES & ALTERATION						GRAPHIC LOG		Veins ∠ to Core Axis	Width of Vein	Mineralization	Sericite Zone	Remarks	Footage Blocks	Composites	Estimated Core Recovery %	ASSAY RESULTS					
Qty.	Plog.	K-Spar.	Mafic	Texture	Hardness	∠ to Core Foliation	Foliation Alteration									Footage Structure	Sample Number		%		Estimated Grade
																	Cu	Mo	Co	Mo	
					Casing to 30'																
					BORDER PHASE DIORITE (30-252)	60 WK	40	80 60 60 60	1" hlc 1/2" 1/4" 6"			Weak limonite (30'-40') ~.5% PY (30'-94')	30 32		90	24476		.034	.004		
					30'-52' - dense greenish grey fine grn. rock with sauss. spar phenocrysts and ep. clots	60 WK	50	10° + 60°	hlc	py			42		95	24477		.035	Tr.		
					52-90 - a two-component rock type consisting of alternating 2"-12" wide bands of typical med.	70 WK	60	10 90	6" 2"	qtz-ep.-py-cc qtz-ep.-chl-py-cc			52		95	24478		.049	.006		
					grn. Border Phase Diorite and fine grain material same as 30-52. - ep. clots common	70 Md	70	10+60 30 40	1/2" 1/2" 6"	qtz-chl. ep-chl-py ep-chl ep-chl-py			62		95	24479		.142	.008		
						70 WK	80						73		90	24480		.086	.010		

MINERAL RECORD NO. 7307

ROCK TYPES & ALTERATION						L to Core Foliation	GRAPHIC LOG	Veins L to Core Axis	Width of Vein	Mineralization	Sericite Zone	Remarks	Footage Blocks.	Composites	Estimated Core Recovery %	ASSAY RESULTS				
Qtz.	Plag.	K-Sper.	Mafic	Texture	Hardness											Sample Number		%		Estimated Grade
																Cu.	Mo.	Cu	Mo.	
					BORDER PHASE DIORITE (30-252)	60 Mod	90	60 60	4" 2"	gtz-chl-ep-py gtz-chl-cp			83		90	24481		.060	.006	
					90-150 brecciated texture with ep clots and incr. chl-carb -ep. zones.	70 WK.	100	60 30+50	6" 12" + 1"	gtz-ser-py-cp gtz-ser-py-cp	QSP Zone	~ 50% Py (94-150)	94		90	24482		.314	.008	
					incr. ep. 105-135	60 WK	105	25	2 1/2" 30"	gtz-ser-py-cp. gtz-ser-py-cp.			104.6		90	24483		.492	.012	
						60 WK.	110	60 70 30 30 30+50 25x3 8" 8"	2" 3" 2" 2" 1/4 + 1/8 1/10 x 3 3" 1"	gtz.-chl.-ep-py-cp. gtz.-ser.-chl-py ep gtz.-chl-ep-cp. gtz.-chl-py-cp py-cpxz chl.-py x 2 ep gtz-ep-py			116		85	24484		.212	.006	
						70 WK	120	30 60x2 60	24" 4" + 6" 2"	ep-chl-py ep-chl-py x 2 gtz.-ser-py			126.6		95	24485		.160	.012	
						70 Mod	130	? 40 70 70 70 x 5	? 4" 14" 1" 2" 1/10 x 5	ep-chl-py ep-chl-py ep-chl-py-cp gtz-py x 5			136.6		90	24486		.198	.004	
						60 WK	140	50 50 70 60	1/10 1/10 1/12 1"	py py py gtz-ser-py-cp.			147		85	24487		.109	.002	

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ROCK TYPES & ALTERATION						L to Core Foliation	GRAPHIC LOG	Veins L to Core Axis	Width of Vein	Mineralization	Sericite Zone	Remarks	Footage Blocks.	Composites	Estimated Core Recovery %	ASSAY RESULTS						
Qtz.	Plag.	K-Spar.	Mefic	Texture	Hardness											Sample Number		%		Estimated Grade		
																Cu.	Mo.	Cu.	Mo.			
					BORDER PHASE DIORITE (30-252)	70 wk	160	10 50x4 60x5 20x2 30 40	1/2 hlex4 1/2x5 1/2x2 1/10 1/6	py py x4 gt3-py x5 py-cp x2 py py						85	24488	.064	Tr.			
					Fault zone	60 wk	170	bx	16"	ss.							70	24489	.119	.004		
					regional fldn. appears ~70° but is cut by 20-50' QSP zones	70 wk	180	20x2 30 15 20x3	1/10x2 1/8" 1" 1/4x2	py (cp) x2 py (cp) gt3-py gt3-py x3	175	Broken Core 160-175 ~25' core lost					50	24490	.094	.010		
					175-232 : 1/2" dia ep clots - up to 50% gives rx. a brecciated appearance.	50 wk	190	30 60 60 50 70 50 20x2 40 80	1/8 1/10 1/10 1" 1" 5" 1/10x2 2" 1/4"	gt3-chl-py gt3-py gt3-py gt3-py gt3-ser-py (cp) gt3-py x3 gt3-ser-ep-py-cp gt3-chl-py							90	24491	.06	.014		
					incr. ser.-py. (190-250) 1-12" ser. and/or chl. bands	70 mod.	200	30x2 40 30 30 10 20 40 30 40	1/2x2 2" 1/10x2 12" 1/10 1/10 1/10 1/10 1/10 3"	gt3-ser-py x2 gt3-ser-py gt3-py x2 gt3-py (cp) gt3-py (cp) gt3-py gt3-py-cp gt3-py gt3-ser-py							95	24492	.08	Tr.		
						70 wk.	210	20x2 50x3 30x5 20x50 50x2 30x3 35	1/10x2 1/20x3 1/20x5 1/20x2 1/10+1/10 hlex3 3"	gt3-py x2 py x3 gt3-py x5 gt3-ser-py x2 py x2 py x3 gt3-ser-py								95	24493	.07	.012	
						50 mod.	220	30x2 15 50x3 25 30 30x2 20x2 20 20	1/2x2 2" 1/10x3 1/6 3" 1/4+1/10 1/2+3" 6" 6"	gt3-ser-py gt3-ser-py-cp py-cp x3 gt3-ser-py-cp chl-py-cp py (cp) x2 ser-py (cp) ser-py (cp)								95	24494	.11	.011	

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ROCK TYPES & ALTERATION						L to Core Foliation	GRAPHIC LOG	Veins L to Core Azis	Width of Vein	Mineralization	Sericite Zone	Remarks	Footage Blocks.	Composites	Estimated Core Recovery %	ASSAY RESULTS					
Qty.	Plog	K-Spec.	Mafic	Texture	Hardness											Sample Number		%		Estimated Grade	
																Cu.	Mo.	Cu	Mo.		
					<u>BORDER PHASE DIORITE</u> 30-252	50 wk	230	30x2 30x5 50x4 20 30 30x3 30 30	1 1/2" x 1/2" 1/2" x 1/2" 1/2" x 1/2" 1/2" x 3/4" 1 1/2" x 3" 6" 10"	Py x2 gtz-py x4 py x4 gtz-ser-py (cp) gtz-ser-py gtz-ser-py x3 gtz-ser-py gtz-ser-py (cp)	20% Ser.	15% Py (215-232)	225.6		95	24495		.11	.024		
					<u>Fine grn.</u> (232-252)	50 str.	240	30 30x3 5 10x2 5 8" 5 10	12"	gtz-ser-py		232	10% Py (232-252)	236		95	24496		.07	.014	
						60 Mod.	250	30 5x2 60 5						246		95	24497		.12	.006	
					252			50x2 10 40x6	1/10x2 1/10 10x6	gtz-py x2 gtz-pl gtz-py		252		256.6		95	24498		.08	.006	
					<u>SER.-CHL.- -CARB. SCHIST</u> (252-290) (no banding) Ser = chl = 60% - not crenulated- - mainly close shears in bx. rock	50 str.	260							266.6		80	24499		.54	.010	
						55 str.	270							276.6		60	24500		.11	.006	
						60 Mod.	280	70 80	2 1/2" 8"	gtz. gtz-carb (cp)			2% Py	281.6		90	24501		.10	.010	

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closely spaced
py (cp) veinlets along foliation

as above.

Q.S.P. Zone

10% Py

2% Py

BQB

ROCK TYPES & ALTERATION						L to Core Foliation	GRAPHIC LOG Foliation Alteration Footage	STRUCTURE	Veins L to Core Axis	Width of Vein	Mineralization	Sericite Zone	Remarks	Footage Blocks.	Composites	Estimated Core Recovery %	ASSAY RESULTS				
Dtz.	Plog.	K-Spar.	Mafic	Texture	Hardness												Sample Number		%		Estimated Grade
																	Cu.	Mo.	Cu	Mo.	
						50 Wk.	300	75x3 5 20x4 80x8 20x2 20x3 20x4	1/20 x 3 1/8 1/20 x 4 1/20 x 8 1/10 x 2 1/10 x 3 1/20 x 4	py x 3 gtz-py-cp py x 4 py x 8 gtz-py x 2 gtz-py x 3 gtz-py x 4					242		45	24502	.06	.006	
						60 Wk.	310	15x45 10x2 80 80x3 30 10 10 5x3	1/4 + 1/8 1/4 + 1/8 + 1/10 1/10 1/10 + 1/20 + 1/20 1/4 1/4 1/20 x 2	gtz-py (cp) x 2 gtz-py x 3 gtz-py gtz-py x 2 gtz-py-cp gtz-py gtz-py x 2					302		95	24503	.12	.030	
						60 Wk.	320	50 20 20 20x2 20 45 30x2	1/2 1/4 1/10 1/10 x 2 1/2 20 1/4 + 1/2	gtz-py gtz-py-cp gtz-py gtz-py x 2 gtz-py-cp gtz-py-cp gtz-py x 2					212		95	24504	.12	.018	
						60 Wk.	330	10x3 20 45x3 45x4 5 30x2	1/10 x 3 1/8 1/10 + 1/20 x 2 1/10 x 4 1/4 1/4 + 1/10 + 1/8	gtz-py x 3 gtz-py (cp) gtz-py x 3 gtz-py x 4 gtz-py (cp) gtz-py (cp) x 3					304		95	24505	.18	.015	
						50 Mod.	340	5 40x8 30 45 40 45 10+20	1/4 1/20 x 8 1/8 1/8 1/2 1/10 1/10 x 2	gtz-py (cp) gtz-py (cp) gtz-py (cp) gtz-py-cp gtz-py gtz-py-cp gtz-py					322		90	24506	.29	.006	
						50 Wk.	350	30 40x10 45x2 45x2 20x2 45x8	1/4 1/10 + 1/20 x 9 1/20 x 2 1/4 - 1/8 x 2 1/10 x 2 1/10 + 1/10 x 7	gtz-py gtz-py (cp) x 10 py-cp x 2 gtz-py gtz-py (cp) gtz-py					343		80	24507	.27	.011	
						50 Mod.	360	45x2 45 30	1/20 + 1/10 1/10 1/10	gtz-py x 2 gtz-py gtz-py					352		90	24508	.22	.014	

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ROCK TYPES & ALTERATION						L to Core Foliation	GRAPHIC LOG Foliation Alteration	Feetage Structure	Veins L to Core Axis	Width of Vein	Mineralization	Sericite Zone	Remarks	Feetage Blocks.	Composites	Estimated Core Recovery %	ASSAY RESULTS				
Qty.	Plog.	K-Spc.	Mafic	Texture	Hardness												Sample Number		%		Estimated Grade
																	Cu.	Mo.	Cu.	Mo.	
					<u>BORDER PHASE DIORITE</u> (290-380)	70 Mod		60x4 50x4 45x3 80 60x10 70	1/20x4 1/20x4 1/20x3 1/4 hlc-1/20x10 1/4	Py (cp) x4 Py (cp) x4 Py x3 Py Py (cp) x10 Py-cp			363		90	29509	.157	.004			
						60 Mod.		50 60x12 30 45 40 40x8	1/2 hlc-1/20x12 1/4 1/8 1/10 1/10-1/20x8	gtz-py-cp gtz-py x12 gtz-py-cp gtz-chl-py gtz-py-cp gtz-py-cp x8			371		95	29510	.161	.006			
40%	60%				<u>LEUCOCRATIC PHASE</u> <u>Fine to Med</u> <u>Grn - in places</u> <u>a Qtz Porphyry</u> (380-442)	60 Mod		70 10x3 60 30x4 60x2 60x3 30+50	1/20 1/20 1/20x2 1/20 1/10+hlcx3 1/20x2 hlcx3 1/2+1/10	cp-py cp-py Py x2 cp Cpx x4 Py x2 Cpx x2 Py (cp) x2			381		95	29511	.148	.022			
						55 Mod		45 40 30+60 30 60x4 20 60x3	1/10 1/10 1/20x2 1/4 3/4+hlcx3 1/20 1/20x3	cp Py-cp Cpx x2 gtz-py-cp Py (cp) + Py-cpx2 cp Py-cpx2			391		90	29512	.239	.014			
						55 Mod.		60 60 70	hlc hlc 1/10	Py-cp Py-cp Py + mag.			401.6		95	29513	.110	.010			
						60 Mod.		20 50 30x4 60x2 60x10	1/40 1/20 1/20x4 1/20x2 hlcx10	cp Py (cp) Py (cp) Cpx x2 cp-py x10			412		95	29514	.082	.008			
						60 Str.		70x3 40 30 80 10	hlcx3 1/10 1/20 1/10 1/4	Py x3 Py-cp Py-cp cp gtz-cp.			422		95	29515	.119	.012			

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ROCK TYPES & ALTERATION						L to Core Folliation	GRAPHIC LOG Alteration Footage	STRUCTURE	Veins L to Core Axis	Width of Vein	Mineralization	Sericite Zone	Remarks	Footage Blocks.	Composites	Estimated Core Recovery %	ASSAY RESULTS				
Qtz.	Plag.	K-Sper.	Mafic	Texture	Hardness												Sample Number		%		Estimated Grade
																	Cu.	Mo.	Cu.	Mo.	
						60	440		70 x 4 70 x 2 60 60 x 6 60 x 3 60	hlex 4 y ₄ + v ₈ 6" y ₁₀ x 6 hlex 3 y ₂₀	PY (cp) x 4 PY x 2 PY-ser-(cp) PY x 6 PY x 3 PY		.5% PY + Cp (380-442)	432		95	24516		.079	.012	
						60	450		40 60 60 60 60	h ₂ hlc y ₂₀ y ₂₀ y ₂₀	gts-py (cp) PY (cp) PY PY (cp) PY PY (cp)		1% PY + Cp	442		85	24517		.144	.012	
						50	460		60 40 40 40 40 40 x 3 30	hlc hlc y ₂₀ y ₂₀ y ₄ h ₁ x 3 hlc	PY (cp) PY (cp) PY (cp) PY (cp) PY cp x 3 cp			453		90	24518		.287	.008	
						Cren 5-30	470		40 x 2 40 60 60 x 6	Y ₂₀ x 2 hlc y ₂ hlc x 6	PY x 2 PY (cp) gts-py-(cp) PY-cp x 6			462		90	24519		.200	.014	
						Cren 5-30	480		40 60 30 30 40	hlc. 1" hlc 1" hlc	py-cp gts-cp cp gts-cp-py py-cp			472		90	24520		.275	.014	
						Cren 5-30	490		40 40	1/4 hlc	gts-py-cp gts-cp			482		90	24521		.221	.020	
									40	1/4	gts-cp			493			24522		.239	.010	

MIN. DATE: **7/30/79** NO.

BANDED
SER.-CAL-CARB
SCHIST

-Crenulated
and
folded

End of Hole
494'

Larry D. Spruitt

