5968

REPORT OF DIAMOND DRILLING

on the

TROUT LAKE PROPERTY

(MAE GROUP)

REVELSTOKE MINING DIVISION, B. C.

by

T. N. Macauley, P. Eng.

August 26, 1976.

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16 pages

The Trout Lake property is located 2.5 miles west of Trout Lake village in the Revelstoke Mining Division, N.T.S. 82K/12 E (see index map).

A diamond drill hole numbered 76-2 has been drilled by H. Allen Diamond Drilling Ltd. under contract to Newmont Mining Corporation of Canada Ltd. during the interval June 7 to July 24, 1976. The cost of drilling the hole was $31,050.59. The driller's invoices, with cost items relating to hole 76-2 marked in red, are given in Appendix A. The contract under which the work was done forms Appendix B. The distribution of costs to the claims of the MAE group is given in Table 1.

depth 1637 ft.

The location of the drill hole collar with respect to surface features and claim boundaries is shown on the Surface Plan. The azimuth of the hole is 270° (due west), the inclination is 50°, and the core size is BQ (diameter 1.432 inches or 36.5 millimeters). The hole coordinates are in feet with reference to a north-south east-west grid, the origin point of which is shown on the plan. The elevation of the collar (4573 feet) is with respect to the grid origin elevation of 4525. The latter was determined by altimeter readings taken from the bench mark at Trout Lake, and should be close to the true elevation above sea level.

The logging of the drill core was done by Craig Boyle, who graduated in geological engineering from University of British Columbia in 1975. The work was done under the supervision of T. N. Macauley, P. Eng.

The drill core is stored at the residence of Alan Marlow, situated on the Trout Lake road 6 miles northwest of Trout Lake village.

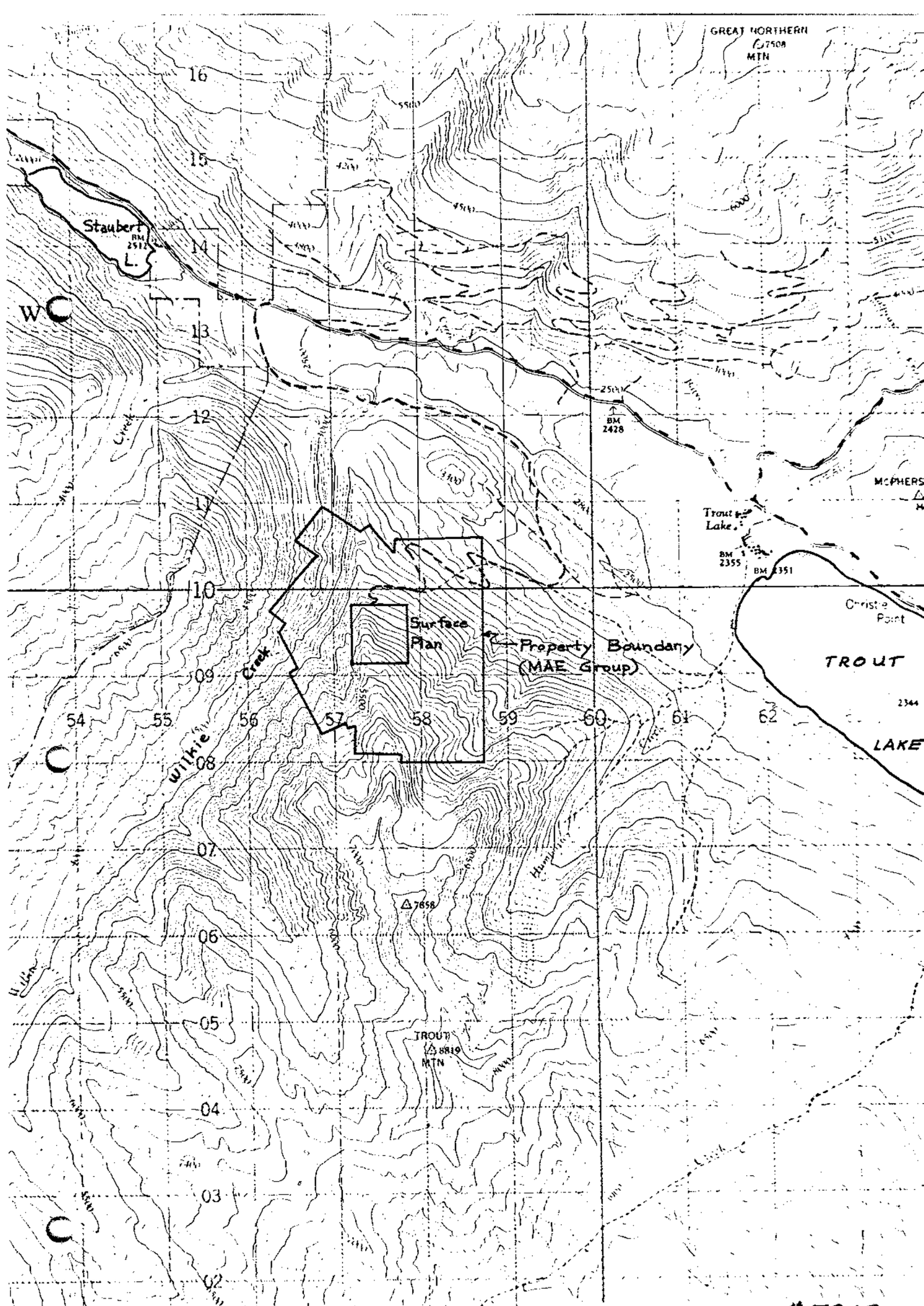
Vancouver, B. C.
August 26, 1976.

T. N. Macauley, P. Eng.

T N Macauley

TABLE 1 - DISTRIBUTION OF WORK TO CLAIMS OF MAE GROUP

Claim Name	Record No.	Present Expiry Date	Years Work to be applied	Rate	Cost of work applied	Rentals to be paid
LB Fraction	4246	September 21, 1978	4	$200	$ 800	$ 40
Anex Fraction	182	September 5, 1977	5	200	1000	50
Lucky Jay No. 1	9889	August 8, 1977	5	200	1000	50
2	9890	August 8, 1977	5	200	1000	50
3	9916	September 16, 1979	3	200	600	30
6	9968	September 26, 1979	3	200	600	30
7	9969	September 26, 1978	4	200	800	40
9	9971	September 26, 1978	4	200	800	40
10	9972	September 26, 1978	4	200	800	40
11	9973	September 26, 1978	4	200	800	40
Rover No. 2	10002	November 6, 1978	4	200	800	40
3	3	November 6, 1978	4	200	800	40
4	4	November 6, 1978	4	200	800	40
5	5	November 6, 1978	4	200	800	40
6	6	November 6, 1978	4	200	800	40
7	7	November 6, 1978	4	200	800	40
Copper Chief Moly	5657	September 13, 1978	4	200	800	40
Copper Chief Moly No. 1	5658	September 13, 1978	4	200	800	40
2	5659	September 13, 1978	4	200	800	40
TL 1 - 4 units	26	October 2, 1976	6	3 @ 100 / 3 @ 200 } 900	3600	240
2 - 6 units	27	October 2, 1976	6	" 900	5400	360
3 - 1 unit	28	October 2, 1976	6	" 900	900	60
				Total	25,300	1430



#5968

INDEX MAP
TROUT LAKE PROPERTY
SCALE 1:50 000

1 Mile
1 Km.

J. Macauley

H. ALLEN DIAMOND DRILLING LTD.

TELEPHONE 378-4494

P.O. BOX 1397
MERRITT, B.C.

Invoice No. 244.

July 10, 1976.

To: Newmont Mining Corp. of Canada Limited,
Suite 1230 - 355 Burrard Street,
Vancouver, B.C.

In Account With:

H. Allen Diamond Drilling Ltd.,
Box 1397,
Merritt, B.C.

This invoice is for drilling on your Trout Lake property.

Hole No. 76-1 core drilling from 190 ft. to 500 ft. - 310 ft. @ $10.00 per ft.....	$ 3,100.00
Hole No. 76-1 core drilling from 500 ft. to 747 ft. - 247 ft. @ $12.00 per ft.....	$ 2,964.00
Hole No. 76-1A core drilling from 681 ft. to 1,000 ft. - 319 ft. @ $12.00 per ft.....	$ 3,828.00
Hole No. 76-1A core drilling from 1,000 ft. to 1,115 ft. - 115 ft. @ $14.00 per ft....	$ 1,610.00
Cementing Hole No. 76-1.	
7 bags Cal Seal cement @ $28.52 each.....	$ 199.64
1 B4 bit used drilling out cement Bit No. 6304H.....	$ 282.81
16 hrs drilling cement and cementing @ $25.00 per hr..	$ 400.00
Plus 15% Field Cost ($882.45).....	$ 132.37
5 acid tests on Hole 76-1 - 5 hrs. @ $25.00 per hr....	$ 125.00

Hole No. 76-2 core drilling from 0 to 91 ft. - 91 ft. @ $12.00 per ft..... (NQ)	$ 1,092.00
Hole No. 76-2 core drilling from 91 ft. to 500 ft. - 409 ft. @ $10.00 per ft..... (BQ)	$ 4,090.00
Hole No. 76-2 core drilling from 500 ft. to 897 ft. - 397 ft. @ $12.00 per ft.....	$ 4,764.00
Reaming on Hole 76-2 - 91 ft. to 325 ft. - 47 hours spent reaming and placing casing @ $25.00 per hour....	$ 1,175.00
Bits used reaming - 1 NQ reaming shell N7YA943.....	$ 289.95
1 NQ bit N5L 4529.....	$ 427.70
1 NQ bit N5L 4530.....	$ 427.70

H. ALLEN DIAMOND DRILLING LTD.

TELEPHONE 378-4494

P.O. BOX 1397
MERRITT, B.C.

Invoice No. 244 Trout Lake continued.....

Cementing on Hole 76-2.

31 bags Cal Seal cement @ $28.52 each.....	$ 884.12
5 bags cement Fondu @ $21.66 each.....	$ 108.30
11 bags Portland cement @ $6.85 each.....	$ 75.35
Bits used drilling cement - No. M5L 1859.....	$ 282.81
" 9386.....	$ 282.81
47 hours spent cementing and drilling out cement - @ $25.00 per hour...	$ 1,175.00
Plus 15% Field cost ($2,808.39).....	$ 421.26
3 acid tests on Hole 76-2 - 3 hrs. @ $25.00 per hr.	$ 75.00

Drilling mud and additives:

198 bags Quik Gel @ $6.55 each.....	$ 1,296.90
130 bags Quik Trol @ $6.55 each.....	$ 851.50
254 gal. Diesel @ 66¢ per gallon.....	$ 167.64
3½ bags Quik Seal @ $26.83 per bag.....	$ 93.90
20 gallons Kut Well @ $13.05 per gallon..... (Kut Well $13.05 per 5 gallon)	$ 52.20
1 bag CC - 16 @ $19.93 per bag.....	$ 19.93 *
11 gal. Torq Trim @ $9.35 per gallon.....	$ 102.85
1 bag Gel Flake @ $19.80 per bag.....	$ 19.80
10% on above $2604.72.....	$ 260.47
133 core boxes @ $3.85 each.....	$ 512.05
Company man meals June 7 to June 30th. - 138 meals @ $4.00 per meal.....	$ 552.00
	$32,142.06

Company's Representative

Contractor's Representative

Earl Allen

* These supplies were used in both holes 76-1 and 76-2. Of their total cost ($3377.24), apply 50% ($1688.62) to hole 76-2.

Invoice No. 246 VOK 2H0

Aug. 4, 1976.

To: Newmont Mining Corp. of Canada Limited,
Suite 1230 - 355 Burrard Street,
Vancouver, B.C.

In Account with:

R. Allen Diamond Drilling Ltd.,
Box 1397,
Merritt, B.C.

This invoice is for drilling on your Trout Lake property.

Casing left in Hole No. 76 - 1A. - 120 ft. @ $56.92 per 10 ft. -	683.04
1 N4 to B4 adapter @ $47.34.....	47.34
1 Bw casing shoe @ $144.60 each.....	144.60
10% handling charge on $874.98.....	87.50

Hole No. 76-2 core drilling from 897 ft. to 1,000 ft. - 103 ft. @ $12.00 per ft..	1,236.00
Hole No. 76-2 core drilling from 1,000 ft. to 1,500 ft. - 500 ft. @ $14.00 per ft.....	7,000.00
Hole No. 76-2 core drilling from 1,500 ft. to 1,637 ft. - 137 ft. @ $20.00 per ft.....	2,740.00
Drilling mud and additives on 76-2.	
Quik Gel 21 bags @ $6.55 per bag.....	137.55
Quik Trol 63 bags @ $6.55 per bag.....	412.65
Diesel - 127 gal. @ .66¢ per gal.....	83.82
Kutwel - 30 gal. @ $13.05 per 5 gal.....	78.30
Torq Trim - 33 gal. @ $9.35 per gal.....	308.55
10% on above $1,020.87.....	102.09
Cementing on Hole No. 76-2.	
Cal Seal - 5 bags @ $28.52 each.....	142.60
Portland cement - 2 bags @ $6.85 each.....	13.70
Bit used drilling cement B4-45L 1860.....	282.81
15% on above $439.11.....	65.87
Drilling out cement - 16 hrs. @ $25.00 per hour...	400.00
3 acid tests on Hole No. 76-2 - one at 1,000 ft. " " 1,250 ft. " " 1,500 ft. tests @ $25.00 each.....	75.00
Lost in Hole No. 76-2 - 1 Bw casing shoe @ $144.60	144.60
1 N4-Bw adapter @ $47.34..	47.34
8 ten fo. sections N4 rods @ $56.92 per section....	455.36
10% on unrecoverable material ($647.30).....	64.73

RECEIVED
AUG 9 1976

TO TORONTO AUG 9 1976

H. ALLEN DIAMOND DRILLING LTD.

TELEPHONE 378-4494

P.O. BOX 1397
MERRITT, B.C.
V0K 2B0

CONTRACT

BETWEEN: NEWMONT MINING CORPORATION OF CANADA LIMITED,
Suite 1230 - 355 Burrard Street,
Vancouver, B.C. V6C 2G8.
(Hereinafter referred to as the "COMPANY" of the First Part.)

AND: H. ALLEN DIAMOND DRILLING LTD.,
Box 1397,
Merritt, B.C. V0K 2B0
(Hereinafter referred to as the "CONTRACTOR" of the Second Part.)

A. THE CONTRACTOR COVENANTS AND AGREES:

1. That all holes shall be drilled with wireline equipment.

2. That the Contractor shall use his best endeavour to complete all holes according to the wishes of the Company, but should rock conditions prevent successful completion of the hole, the Contractor is not obliged to complete the same, but shall be paid for such incomplete holes at contract rates for the completed footage.

3. Contractor will supply all necessary equipment, accomodation, transportation and board for his crew.

4. Contractor will supply water to drill sites at his expense up to a distance of 1,500 ft. or vertical lift of 300 ft. Supplying water beyond these limits to be negotiated.

5. Contractor will pay the first 8 hr. shift for moving between holes. Time spent beyond 8 hrs. charged to the Comapny at $25.00 per hour.

B. THE COMPANY COVENANTS AND AGREES:

1. Cost of drilling using BQ equipment:

0 to 500 ft. - $10.00 per ft.
500 to 1,000 ft. - $12.00 per ft.
1,000 to 1,500 ft. - $14.00 per ft.
1,500 to 2,000 ft. - $20.00 per ft.

Cost of drilling using NQ equipment:

0 to 200 ft. - $12.00 per ft.

2. Cost of board for Company men - $4.00 per meal.

H. ALLEN DIAMOND DRILLING LTD.

TELEPHONE 378-4494

P.O. BOX 1397
MERRITT, B.C.

Contract continued.........

B. 3. Cementing or grouting of drill holes if required will be charged at field cost plus 15%.

4. Cost of mobilization and demobe on this job will be $1,000.00.

5. Company will supply a tractor for moving the drill.

6. Drilling mud and additives charged at cost plus 10%. Cost being catalogue price plus freight to Revelstoke.

If required the Contractor will supply a small cat for this job. This machine would be suitable for moving the equipment and prepairing drill sites. This machine would be too small for road building except in easy access. Cost of this John Deere cat - $500.00 per month plus $10.00 per hour when it is in use. Contractor supplies an operator and maintains this machine at his expense.

IN WITNESS WHEREOF these presents have been executed by the parties hereto, this 2nd day of May, A.D.1976.

NEWMONT MINING CORPORATION OF CANADA LIMITED.

[signature]
PRESIDENT

T N Macauley
Exploration Manager
Western Division

H. ALLEN DIAMOND DRILLING LTD.

Herb Allen

L. B.
L. 5423

LB FR.

Road Out
800 ft. to Lucky
Boy Mine.

LUCKY JAY 2

Origin Point of
Co-ordinate system.
9900N, 0 E

4500'

C H
L. 4741

4500'

D.D.H.
76-2

ANEX

5000'

L. J. 1

XYZ
L. 4742

5000'

LUCKY
JAY 3

COPPER CHIEF
MOLY 1

L. J. 6

COPPER CHIEF MOLY

SCALE : 1 INCH = 200 FEET = 61 METRES

0 200 400 600 FT.

0 100 200 M.

SURFACE PLAN SHOWING
LOCATION OF D.D.H. 76-2

#596

ND DRILL HOLE RECORD

UT LAKE PROJECT

DIP TEST		
FOOTAGE	ANGLE RECORDING	ANGLE CORRECTED
0	50.0°	50.0°
250	54.4°	52.5°
500	56.6°	49.3°
750	53.0°	45.7°
1000	50.6°	43.2°
1250	46.8°	39.2°

LEVEL	SURFACE	HORIZONTAL COMPONENT	1119 FT
LOCATION	CH CLAIM	VERTICAL COMPONENT	1187 FT
ELEVATION	4573.2 FT	BEARING	WEST
LATITUDE	9489.5 FT N	LENGTH	1637 FT
DEPARTURE	620.0 FT E	DATE FINISHED	JULY 23, 1976

HOLE No. 76-2
SHEET No. 1
LOGGED BY H.C. BOYLE
PURPOSE EXPLORATION
TOT. RECOVERY 86.7%

GRAPHIC LOG	FOOTAGE FROM	FOOTAGE TO	EST. SULPHIDE	ROCK TYPE	DESCRIPTION
	0'	8'			CASED
	8'	87.5'			ARGILLITE - f.g. to aph. fol and well laminated, fol 40°-50° C/A - black to greenish grey w Fe-ox weathering throughout - milky white qtz vein w chlor and py, diffuse boarders sub-ll fol; few X-cut; veins gen narrow (1"-2") but up to 1' wide - arg is sil. and hard in area of veins and fol disrupt - core badly broken over a few short lengths
	87.5'	90'	py 1%		SKARN - diop and dolo, silicified - green, purple and white bands, marbly text. - contains remnants of arg. - clots of mass py near boarders of white bands
	90'	107'	py 5%		ARGILLITE - f.g. to aph, fol and laminated, fol 40° C/A - grey to black w exten Fe-ox weathering - ~60% qtz-chlor-py vein network, rusty and pitted - poor qual. core, baddly deter. and crumbl
	107'	109.5'	py 1%		MARBLE - grey to black sal. w sugg of clastic text. - py diss and in clots
	109.5'	158'			ARGILLITE - as describ 90'-107', fol 40°-50° C/A - poor qual. core, diff to recog rock, baddly pitted and Fe-ox w sect. of broken chips and mud at 109'-113', 117'-120', 130'-141', and 150'-157'

ASSAYS											RECOVERY	
SAMPLE NO.	FROM	TO									RUN	SHORT
											8-12	1.9
											17	1.0
											22	0.4
											24	0.8
											28	0.9
											31.5	0.5
											35	—
											40	0.2
											45	—
											46.5	0.8
											51	0.2
											56	1.6
											60	1.0
											63	0.3
											66	0.4
											67.5	0.6
											74	0.1
											78.5	1.0
											81	1.5
											84	0.7
											88	—
											93.5	1.2
											97	1.2
											99	0.5
											101	0.7
											110	3.7
											113	1.2
											116	0.8
											126.5	6.6
											133.5	6.2
											136	2.0
										#5968		

ND DRILL HOLE RECORD

DIP TEST			LEVEL	HORIZONTAL COMPONENT	HOLE No. 76-2
FOOTAGE	ANGLE RECORDING	ANGLE CORRECTED	LOCATION	VERTICAL COMPONENT	SHEET No. 2
1500	46.5°	39.0°	ELEVATION	BEARING	LOGGED BY
			LATITUDE	LENGTH	PURPOSE
			DEPARTURE	DATE FINISHED	TOT. RECOVERY

APHIC -OG	FOOTAGE FROM	FOOTAGE TO	EST. SUL-PHIDE	ROCK TYPE	DESCRIPTION
	158'	166'			**DOLOMITE**
			py <1%		- fg to aph w some mg zones of green diop(?)
					- green to purplish grey, finely laminated at 45° C/A
					- silicified w more intense sil near boarders
					- carries minor py
	166'	246'			**ARGILLITE**
			py <1%		- aph black to grey finely laminated at 30°-50° C/A
					- occ Fe-ox weathering but gen. clean fresh appear.
					- hard and silicified w milky white qtz-chlor-py veins sub:ll fol and less comm X-cut fol at random angle, silification occ so intense that all text obscur.
					- fol often disrupt
					- rare X-cut hairline fra filled w fine euh py
					- boundries w surr. carbon. rocks transit.
	246'	273.5'			**LIMESTONE-SKARN**
					- variable; dom. mass white c.g. cry lmst w lesser dk to lt grey ribbon lmst and green to purp marbly text skn
					- fol, when seen, at 40° C/A
					- dk grey arg seam 264'-267'
					- Freq Fe-ox zones w ass qtz veins + fol
	273.5'	285'			**FAULT BRECCIA**
					- 1" dia clasts of dk grey arg in lt grey muddy matrix
					- bleach appear but not much oxid.
	285'	311'			**ARGILLITE AND LIMESTONE**
					- core consists of shards and pebbles, dominantly of dk-to lk grey mass to hummated lmst w lesser arg.
					- silicified and heavy Fe-ox
					- prob fault brecciated

ASSAYS											RECOVERY	
SAMPLE NO.	FROM	TO									RUN	SHORT
											136-138.5	2.0
											141	1.8
											144.5	2.3
											149	2.6
											155	5.2
											161	1.6
											165	0.7
											172.5	0.9
											177.5	0.2
											188	0.7
											189.5	1.2
											207	—
											217	0.2
											225.5	0.3
											230	—
											234	1.7
											240	1.6
											245	0.8
											250	1.9
											256	2.4
											258	0.4
											264	3.2
											266	0.6
											268	0.8
											273.5	1.1
											287	12.0
											287-293	5.3
											300	5.3
											306	5.5
											310	3.2
											312	1.2

#5968

ND DRILL HOLE RECORD

DIP TEST		
FOOTAGE	ANGLE	
	RECORDING	CORRECTED

LEVEL	HORIZONTAL COMPONENT	HOLE No.	76-2
LOCATION	VERTICAL COMPONENT	SHEET No.	3
ELEVATION	BEARING	LOGGED BY	
LATITUDE	LENGTH	PURPOSE	
DEPARTURE	DATE FINISHED	TOT. RECOVERY	

GRAPHIC LOG	FOOTAGE FROM	FOOTAGE TO	EST. SUL-PHIDE	ROCK TYPE	DESCRIPTION	ASSAYS SAMPLE No.	ASSAYS FROM	ASSAYS TO
	311'	332'			LIMESTONE - SKARN - 311' arbitrary boundry where core qual improves - white mass mg. sparry calcite w few greenish lamin. - 318' grades into a greenish grey and white speckeled skn. w py gra and ga - 322-332 green to purplish marbly text py skn w some qtz vein and silification - folat 35° C/A - 324-332 - broken core, small pcs and pebbles, Oxid			
	332'	361'			ARGILLITE - BROKEN GROUND - first 2' are green grey fol, slightly py heavy oxid arg. - 334-361' core represented by pcs and pebbles of heavily sil lt grey arg and rusty white qtz - qtz pebbles most abundant and carry py - 358 f to c euh py in fra			
	361'	446'			ARGILLITE - variable aph banded arg to slight schistose arg - 361'-386' laminated and banded in black and green or blue grey, laminations occ disrupt - 386-446 is schistose w gradation colour variat. from black to dk green - banding - fol at 40° C/A - highly silicified w qtz-chlor-py veins throughout, occ w white feld - X-cut narrow (1/8"-1/2") white qtz veins w alt'n env. turn arg to greenbrown at 35° C/A, alt'n env. gen. carry diss f.g. euh. py - X cut fra w sim. alt'n env freq carry blotches of ox-py to 438' - 394'-8' vein white qtz carry banded sph, ga, sp and py			

RECOVERY RUN	RECOVERY SHORT
312-313	0.3
316.5	1.2
321	0.6
324	0.7
331	6.0
331-332.5	0.5
337	2.9
340.5	3.4
343	2.3
344.5	1.3
347.5	2.4
351.5	3.3
354	2.0
357	2.2
359	1.0
367	3.2
371	—
380	0.2
390.5	0.5
397	0.8
403	—
407	—
412	—
421	0.7
428	0.6
437	—
442	—

#5968

ND DRILL HOLE RECORD

DIP TEST		
FOOTAGE	ANGLE	
	RECORDING	CORRECTED

LEVEL		HORIZONTAL COMPONENT	HOLE No. 76-2
LOCATION		VERTICAL COMPONENT	SHEET No. 4
ELEVATION		BEARING	LOGGED BY
LATITUDE		LENGTH	PURPOSE
DEPARTURE		DATE FINISHED	TOT. RECOVERY

RAPHIC LOG	FOOTAGE FROM	FOOTAGE TO	EST. SUL-PHIDE	ROCK TYPE	DESCRIPTION
	446'	463.5'			**SCHIST** - high silic bio-diop sch. w disrup. fol and microfra. - variously coloured dk brown grey and green - fol at 40° C/A - qtz veins w alt'n env cut sch., occ w cg. (1mm) ser flakes - Fe-ox but no sul obser.
	463.5	475			**LIMESTONE** - C. recry vari-colour and silic., ranges from lam. to mass. - colour dom dk. blue but shades into pink, purple, green white and grey w lam colour banding near btm at 50° C/A - thin bio sch. zones - 1 narrow (1/8") qtz vein at 465'
	475	556			**SCHIST** - bio-diop sch w fol layers of dk brown bio and dk green diop - fol often disrupt but schistosity ~40° C/A - freq qtz-chlor-py vein and qtz vein w alt'n env. throughout - alt'n env in form of bleaching w some diss f tom euh py., some Fe-ox - narrow white to lt grey calcite rich bands w ass diop and py
	556	568			**ARGILLITE** - high silicified and alt'd, aph lt grey and bleach - qtz-chlor-py veins w diffuse boarders and qtz-feld-cal veins w ass limonatic fm. - alt'n highly disrupt lam. but gen. att. at 40°-50° C/A - 557 qtz vein w open space, euh f. qtz cry and boxwork limonite

ASSAYS											RECOVERY	
SAMPLE No.	FROM	TO									RUN	SHORT
											442-453	—
											463.5	1.0
											463.5-474	0.4
											484.5	
											495	
											474-484.5	0.4
											495	0.3
											505.5	0.2
											516	0.2
											529.5	0.7
											530	0.2
											537	0.9
											546	—
											557	0.2
											557-567	0.6
										#5968		

ND DRILL HOLE RECORD

DIP TEST					
FOOTAGE	ANGLE		LEVEL	HORIZONTAL COMPONENT	HOLE No. 76-2
	RECORDING	CORRECTED	LOCATION	VERTICAL COMPONENT	SHEET No. 5
			ELEVATION	BEARING	LOGGED BY
			LATITUDE	LENGTH	PURPOSE
			DEPARTURE	DATE FINISHED	TOT. RECOVERY

RAPHIC LOG	FOOTAGE FROM	FOOTAGE TO	EST. SUL-PHIDE	ROCK TYPE	DESCRIPTION
	568'	589'			**LIMESTONE**
			py < 1%		- dolomitic limst. part. silic. lt. grey to dk green
					- text. varies from mass. to fol. to sheared w a gran. recry. text in places w c diss py in trains // qtz-feld veins
					- fol. ~ 40° C/A
					- vein cuts fol. at 45° C/A
					- contains aph lt. grey arg. zones and dk grey arg w qtz and cream coloured cal. veins
	589	665			**ARGILLITE - SCHIST, LIMESTONE BANDS**
			py 1%		- dk green or brown to black, aph to f.g. arg-bio sch.
					- fine lam. freq contorted to marbly text. gen att. of fol. at 40°-60° C/A
					- few light alt'd zones
					- limst and dolo. bands, gen white or green w gran. recry text, freq cont. py.
					- arg-sch is freq. limy
					- qtz-cb-bar-py vein throughout, prom. between 625' and 640'
					- py ass w black dense shaly arg. as diss blebs
					- Fe-ox noted on frm surf. to 665'
	665	698			**LIMESTONE - ARGILLITE**
			py 1%		- aph lt grey calc. arg. w fol to marbly text. fol at 40°-60° C/A, moderately silic.
			sph < .5%		- black aph limy arg w qtz and qtz cal vein // and X-cut fol. cal. is cream coloured.
			ga < .5%		- prom qtz-calc and vein breccia // C/A from 687-698
					- limst. min. w py diss. and in clots following fol. and in frm.
					- presence of minor sph and ga. susp.
	698	717			**SCHIST - ARGILLITE**
					- bio-diop sch w aph black arg zones fol at 60° C/A
					- vari-coloured in black, brown, dk green, purple, greenish grey and grey

ASSAYS											RECOVERY	
SAMPLE No.	FROM	TO									RUN	SHORT
											567-571	0.8
											587	—
											587-597	0.5
											607	—
											617	—
											623.5	0.4
											633.5	—
											643.5	—
											651.5	—
											657	0.3
											664	0.4
											664-673	1.6
											682.5	1.1
											692.5	0.7
											697	0.3
										#5968		

ND DRILL HOLE RECORD

DIP TEST			LEVEL	HORIZONTAL COMPONENT	HOLE No. 76-2
FOOTAGE	ANGLE RECORDING	ANGLE CORRECTED	LOCATION	VERTICAL COMPONENT	SHEET No. 6
			ELEVATION	BEARING	LOGGED BY
			LATITUDE	LENGTH	PURPOSE
			DEPARTURE	DATE FINISHED	TOT. RECOVERY

APHIC LOG	FOOTAGE FROM	FOOTAGE TO	EST. SUL-PHIDE	ROCK TYPE	DESCRIPTION
	698	717			SCHIST-ARGILLITE - limy throughout increas cal. in btm 5' w disrupt marbly text. and light green and purplish grey colour - few qtz-chlor-py veins but qtz-cream cal. veinlets common w alt'n of bleached rock, occur about 1/ft - minor py
	717	731	py-po 1%		SKARN - irreg bands and lenses of dk brown bio and gar. and lt greenish white cal and diop. - marbly text. of fol bands and lenses of dk brown and lt. green in approx equal propor - zebra like text. - cal-diop increases in btm 2', text becomes finely lam. - py-po as irr. grains diss throughout
	731	741	py < .5%		LIMESTONE - white fg to aph mass lmst. - almost featureless except for few blue grey swirls and frn - frn comm at 30°C/A w ass minor diop and diss f. py
	741	760.5	py-po-mg 1%		ARGILLITE-SCHIST - lt to dk grey - dam. lt finely fol, fol at 50°C/A - very uniform fg text essent. featureless except first 4' where c. fol outlined by bio-gar and cal diop var. - weak to strongly X-cut by cleav at ~30°C/A - weakly veined w veins sub/l fol or sub/l cleav, rarely show alt'n env. or cut and offset each other - diss f.g. cub py-po-mg throughout
	760.5	785	py-po 1%		SKARN - as describ 717-731', cal-diop dom at boundries - short (1'-2') sec of white mass. lmst. marble - skarn carries diss mass. f. po and f. cub py

ASSAYS												RECOVERY	
SAMPLE NO.	FROM	TO										RUN	SHORT
												697-707	0.3
												717	0.7
												717-727	0.3
												727-737	0.5
												743.5	1.0
												743.5-751	0.7
												757	0.4
												757-767	0.4
												777	1.0
												787	0.5
											#3968		

ND DRILL HOLE RECORD

DIP TEST					
FOOTAGE	ANGLE		LEVEL	HORIZONTAL COMPONENT	HOLE No. 76-2
	RECORDING	CORRECTED	LOCATION	VERTICAL COMPONENT	SHEET No. 7
			ELEVATION	BEARING	LOGGED BY
			LATITUDE	LENGTH	PURPOSE
			DEPARTURE	DATE FINISHED	TOT. RECOVERY

RAPHIC LOG	FOOTAGE FROM	FOOTAGE TO	EST. SUL-PHIDE	ROCK TYPE	DESCRIPTION
	785'	808'			LIMESTONE MARBLE - clean mg. gran. mass., w coarse banding marked by white to blue grey colours, featureless except for colour banding - white zones poss. contain pinky garnetiferous streaks - several dirty green black arg. patches w c. euh py and mass po. - btm 2' a silic., arg and chlor w disrupt text
	808'	900.5	py moly	1% <.1%	SILICIFIED ARGILLITE-SCHIST - dk grey and black to lt grey, aph to fg. lam and bl - fol 60-65° C/A, disrupt and variable from 859' - 808'-859' dom. dk grey, black w few zones of alt'd ser. sch ass w veins and fra. Several qtz-chlor-py w some pink dolo. veins. Occ. X-cut by narrow (1/16"-1/2") qtz-feld veins at 30° C/A w diss fg to mg euh py - 859-900.5 - highly alt'd, dom. lt grey w dk streaks, alth of arg to qtz-ser. occ obliter any text. Heavily fm w stunk qtz veins, some w py and minor moly. Mn occurs along vein walls, fine diss within vein, and in fra. - textureless granitized (?) rock at 889'-890.5' and 897'-897.5'
	900.5'	958'	py-po moly	5% .1%	GRANODIORITE - comp of qtz, sauss. plag. f.g. ser. diss fine py and f.g. bio. - lt grey colour w variable text., first 30' textureless w no dist min and ghost lam, sugg. granitization. Btm 28 ft. is m.g. granitic text w carried cry. bound and qtz phenos. - qtz veins cut the GD throughout markedly more abundant in top 25' w random orient. - veins carry diss py-po and seams of mass py-po - moly ass. w qtz veins as fra filling and as fine to medium rosettes

ASSAYS						RECOVERY	
SAMPLE NO.	FROM	TO	Fr	% MoS_2		RUN	SHORT
						787-797	0.5
						807	2.2
						807-817	0.4
						827	0.8
						837	1.6
						847	2.5
						857	0.8
						859	0.4
						Recovery not taken 859'-937'	
					#3968		

ND DRILL HOLE RECORD

DIP TEST			LEVEL	HORIZONTAL COMPONENT	HOLE No. 76-2
FOOTAGE	ANGLE RECORDING	ANGLE CORRECTED	LOCATION	VERTICAL COMPONENT	SHEET No. 8
			ELEVATION	BEARING	LOGGED BY
			LATITUDE	LENGTH	PURPOSE
			DEPARTURE	DATE FINISHED	TOT. RECOVERY

RAPHIC LOG	FOOTAGE FROM	FOOTAGE TO	EST. SUL-PHIDE	ROCK TYPE	DESCRIPTION
	900.5'	958'			**GRANODIORITE** - moly also found as weak diss. in G.D. - btm 4' boddly broken and crumbly
	958'	965'			**FAULT BRECCIA** - angular f. to vc. clasts of white qtz, "granitized" sch and sil. sch. in black qtz-py matrix - text. is cracked to true breccia - couple of slightly frm. qtz veins may be contempo w fault - py diss ass w clasts and matrix
	965'	1081'	py 1% moly .1%		**SILICIFIED SCHIST** - comp of qtz ser and chlor w less alt'd sections comp of qtz, bio and fg dk grey plag in streaks and a 11' section from 1004' to 1115', both high sil. - the alt'd sch is lt greenish brown - contact w fault breccia gradational w numerous X-cut frm w chlor slicks in first 15' - qtz veins 1"-8" thick at random angels every 1'-2' w indistinct boarders. Mineralized w py, moly and occ cg. ser. - moly occur as diss along vein walls, frm fillings, occ as rossettes and diss in qtz veins and in healed frm in sch - breccia 1067'-1068'
	1081'	1083'	py <1%		**QUARTZ DIORITE** - comp of dk grey plag. lt to dk grey qtz and 15% comb. bio and hbld. - mg to cg gran interlock text w qtz phenos. - top boarder marked by moly bearing composit qtz-feld-ser vein 2" wide, btm by sharp contact at 55° C/A w ¼"-2" angular inclus of wall rock - cut by frac frm w ½" alt'n env at 35°-60° C/A w f diss py ass w alt'n env

ASSAYS					RECOVERY	
SAMPLE NO.	FROM	TO	Fr	% MoS_2	RUN	SHORT
					937-947	3.7
					957	2.1
					957-966.5	2.0
					965-973	2.6
					981	1.4
					992.5	1.3
					1002.5	0.7
					1007	—
					1017	0.3
					1023.5	0.4
					1027	0.4
					1040	1.0
					1051	—
					1060	0.9
					1066.5	1.4
					1077	0.7
					1077-1087	—

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ND DRILL HOLE RECORD

DIP TEST					
FOOTAGE	ANGLE		LEVEL	HORIZONTAL COMPONENT	HOLE No. 76-2
	RECORDING	CORRECTED			
			LOCATION	VERTICAL COMPONENT	SHEET No. 9
			ELEVATION	BEARING	LOGGED BY
			LATITUDE	LENGTH	PURPOSE
			DEPARTURE	DATE FINISHED	TOT. RECOVERY

RAPHIC LOG	FOOTAGE FROM	FOOTAGE TO	EST. SUL. PHIDE	ROCK TYPE	DESCRIPTION
	1083'	1218'			**SILICIFIED SCHIST**
			moly	1% - 2%	- as describ 965' - 1081, initial about equal proper of alt'd and unalt'd sil. sch. fol at ~60° c/A, occ discrupt.
					- qtz veins 1/4" - 2" constit 20% rock, // to fol and X-cut at 20° - 50° c/A
					- hairline fra w alt'n env at 20° - 30° c/A
					- moly occur diss on vein walls and in fra, in compo veins ass w py
					- 1142 - 1147 compo qtz-feld vein, X-cut fol at 50° w sil sch inclu, strik at 40° c/A, moly occ as diss along vein wall, along fra and compo bound, and as f. toc. rossettes
					- 1147 - 1218, dom alt'd sch, fol at 65° c/A
					- 1176 complet alt'd to H brown textureless rock
					- 1188 - 1195, 70% qtz w sch inclu, stwk. vein. moly bearing veins seen cutting barren veins
					- 1195 - 1218, fol highly disrupt
	1218'	1220'			**BRECCIA**
					- 1" - 2" dia subround - subang clasts of sil sch and Q.D. in matrix of qtz and gra.
					- cracked text ~1220, some py along fra
					- moly and c. euh py along fra in qtz at 1218
	1220'	1243'			**QUARTZ DIORITE**
			moly	< 1%	- as describ 1081 - 1083
					- qtz - py - moly veins 1/2" - 9" wide at 1' - 2' interval 15° and 70° c/A w veins of 70° cutting veins at 15°, moly occur along vein walls and in fra
					- hairline fra w ser alt'n env. at 35° c/A, occ X-cut vein
					- btm contact marked by ang sch incl and 1" barren qtz vein at 80° c/A

ASSAYS						RECOVERY	
SAMPLE NO.	FROM	TO	Ft	% MoS_2		RUN	SHORT
						1087-1097	-
						1107	-
						1117	0.4
						1122.5	-
						1127	-
						1137	-
						1147	-
						1157	-
						1162	-
						1172	-
						1181	0.5
						1187	-
						1197	-
						1207	-
						1217	0.4
						1217-1227	-
						1237	-
						1247	-
					* 5968		

ND DRILL HOLE RECORD

DIP TEST		
FOOTAGE	ANGLE	
	RECORDING	CORRECTED

LEVEL	HORIZONTAL COMPONENT	HOLE No.	76-2
LOCATION	VERTICAL COMPONENT	SHEET No.	10
ELEVATION	BEARING	LOGGED BY	
LATITUDE	LENGTH	PURPOSE	
DEPARTURE	DATE FINISHED	TOT. RECOVERY	

GRAPHIC LOG	FOOTAGE FROM	FOOTAGE TO	EST. SUL-PHIDE	ROCK TYPE	DESCRIPTION	ASSAYS SAMPLE No.	FROM	TO	Fr	% MoS_2	% Cu	% WO_3				RECOVERY RUN	SHORT
	1243	1448			SILICIFIED SCHIST												
			py-po 3%		- as described 965'-1081', alternating zones of dom. alt'd											1247-1257	-
			moly .1%-.2%		and unalt'd sil sch.											1267	-
					- qtz vein throughout, random orientation from ll-fol											1277	-
					to stwk, barren simple qtz vein to compo qtz-feld											1287	-
					ser vein w diss cub py, mass po and moly diss											1297	0.2
					along vein walls, in Fra, and ass w py-po in											13065	0.4
					mass clots and as f. to c. rossettes											1317	0.6
					- 1243'-1282' rel. unalt'd w qtz bands ll Fol at 65° C/A											1331	-
					qtz veins w py-moly X-cut fol at 50°-75° C/A, 6" wide											1341	-
					about every 3 ft											1347	-
					- 1280 3" sil sch breccia w qtz matrix											1357	-
					- 1282'-1311' high alt'd; qtz vein ~30%; veins up to 1'											1367	-
					thick w c. ang. sil sch. inc. in loose stwk, 2"											1375.5	0.4
					veins every 6"-1' 1301'-1311'; fol at 60° C/A											1385.5	-
					- 1311'-1379' approx equ alt'd and unalt'd in alternating											1395.5	-
					bands w about 60% qtz; unalt'd less veined,											1405.5	-
					fol uniform 1311'-1326' at 60° C/A but disrupt to 1379'											1415.5	-
					except for few short sec., qtz vein stwk w veins 1/4"											1426	-
					to 6' thick, vein freq. composite w moly min.											1432	0.6
					- 1367' 6" qtz vein w inclu, crush wall rock on boarders and											1436.5	0.4
					open cavity w cub qtz, py, moly and sph											1447	2.4
					- 1379'-1422' - dom dk grey unalt'd w fol at 75° C/A w												
					qtz veins w moly X-cut fol in stwk text. moly												
					occ encloses cub py in c. rossettes; section notable												
					for veins ll to C/A												
					- 1422'-1448' alt'd w freq intru. dykelettes, fol gen dis-												
					rupt but occ seen at 70° C/A, stwk qtz veins w py-po-												
					moly G.D. dykelettes at 1424', 1426'-28' and 1429.5'												
					Q.D. dykelettes at 1429' and 1430'-31', Baddly broken												
					core w muddy seams 1434'-1442'												
	1448	1480			SKARN								#5968				
					- comp of m.g. white sauss plag, grey qtz, diop, abund po and interstitial calc.												

ND DRILL HOLE RECORD

DIP TEST					
FOOTAGE	ANGLE		LEVEL	HORIZONTAL COMPONENT	HOLE No. 76-2
	RECORDING	CORRECTED	LOCATION	VERTICAL COMPONENT	SHEET No. 11
			ELEVATION	BEARING	LOGGED BY
			LATITUDE	LENGTH	PURPOSE
			DEPARTURE	DATE FINISHED	TOT. RECOVERY

RAPHIC LOG	FOOTAGE FROM	FOOTAGE TO	EST. SULPHIDE	ROCK TYPE	DESCRIPTION
	1448	1480	po 10% py 2% moly .1% cp <.1%		SKARN - po occur as diss blades up to 1" long (poss aft actin.) in random orient., as fra fill and veins and in clots in qtz veins - 1448'-1451' banded text. of skn and moly bear qtz bands up to 4" thick at 75° C/A - 1451'-1468' mass. skn w qtz vein and min fra. carry po-moly and minor cp. Veins approx every 1' at 20°-60° C/A 1/2"-1" thick w sel. along walls and at centre of vein - 1468'-1480' mostly qtz w about 30% skn, some buff coloured sparry dolo in qtz vein w weak diss moly
	1480'	1501'	moly .1%		QUARTZ DIORITE - as describ 1081-1083 - boarders marked by clastic inclu of sil sch and qtz vein - mod. veined by qtz feld ser veins w narrow to wide ser alt'n env. at random orient from 15°-80° C/A, rarely X-cut. Min w py-po and moly in habits as describ
	1501'	1637'	moly .1%-.2%		SILICIFIED SCHIST - black to grey fg. bio sch, high sil, up to 70% qtz. in sil zones and veins somewhat chlor., fol gen. disturb, but where meas at 65° C/A - qtz-feld-ser vein throughout 1/4" to 1' thick at random angles and variable density., freq. min w py-po and moly as describ above - 1512'-1516' badly broken core w qtz peb. to 1514' and sil sch peb. to 1516', poss fault zone - 1539'-1550' qtz vein w high alt'd greenish ghost plag. w py diss and in clots and less moly; (Gib dyke/etc?) - 1551'-1554', 15 qtz veins - 1551'-1572' qtz stwk type vein w moly bearing veins cut by barren to lean veins w or w/o py-po; po diss in alt'n env.

ASSAYS												RECOVERY	
SAMPLE NO.	FROM	TO	Ft	% MoS_2	% Cu	% WO_3						RUN	SHORT
												1447-1457	–
												1467	–
												1477	0.1
												1477-1487	0.5
												1497	–
												1497-1505	0.4
												1516	3.0
												1526.5	–
												1537	–
												1547	–
												1557	–
												1567	–
												1577	–
												1587	–
												1597	–
												1607	0.2
#3968												1617	0.3
												1627	0.4
												1637	0.2

ND DRILL HOLE RECORD

DIP TEST			LEVEL	HORIZONTAL COMPONENT	HOLE No. 76-2
FOOTAGE	ANGLE RECORDING	ANGLE CORRECTED	LOCATION	VERTICAL COMPONENT	SHEET No. 12
			ELEVATION	BEARING	LOGGED BY
			LATITUDE	LENGTH	PURPOSE
			DEPARTURE	DATE FINISHED	TOT. RECOVERY

GRAPHIC LOG	FOOTAGE FROM	FOOTAGE TO	EST. SUL-PHIDE	ROCK TYPE	DESCRIPTION
	1501	1637			SILICIFIED SCHIST -1557'-1567', 39 qtz veins -1577'-1637', dom. alt'd to sil-ser sch w about 70% qtz vein at random angles carrying py-po and moly as above -1594'-1595', Q.D. dykelette as describ 1081'-1083' except qtz phens less apparent and much F. euh bio (7%) cut by moly bearing veins -1607'-1617', 27 qtz veins; one vein from 1613'-1617' carries po-py, moly, c euh dk red-brown sph and cp -1631', 1635' rich mass moly in qtz veins
		1637			END OF HOLE

ASSAYS						RECOVERY	
SAMPLE NO.	FROM	TO	F_T	% MoS_2		RUN	SHORT

#5968