5948

DRILLING REPORT

on the

SALAL MINERAL CLAIMS

SALAL 1 (20 units), SALAL 2 (20 units)

SALAL 3 (20 units) and SALAL 4 (20 units)

Owned and Operated by

BP Minerals Limited

Salal Creek Area

Lillooet Mining Division, B.C.

located 69 kilometres NW of Pemberton

(123°16' long., 50°48' lat.)

D.K. Mustard, P.Eng.

July 30, 1976

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SALAL CREEK DRILLING

INTRODUCTION

Two diamond drill holes 75-1 and 75-2 totalling 3633 feet (1107.3 m) were drilled on the Salal Creek property during the period August to October 1975. The drill machine was a Longyear #44, drilling core of sizes NQ and BQ. The drill contractor was Connors Drilling Ltd.

Due to difficulty of access, the drill programme was serviced with helicopter transportation operating from a helicopter pad on the Lillooet River, about 20 line miles to the southeast of the property (Fig.1). Helicopters were supplied by Okanagan Helicopters Ltd.

SUMMARY

DDH 75-1 - 1381 feet (420.9 m) BQ

Collar elevation	7250 feet (2209.8 m) ±
Direction at collar	186°
Dip at collar	-60°
Total cost	$24,121.00

DDH 75-2 - 2252 feet (686.4 m) NQ to 1492 feet
BQ to 2252 feet

Collar elevation	7250 feet (2209.8 m) ±
Direction at collar	180°
Dip at collar	-56°30'
Total cost	$88,779.00

All core was split and stored at drill site.

SCALE

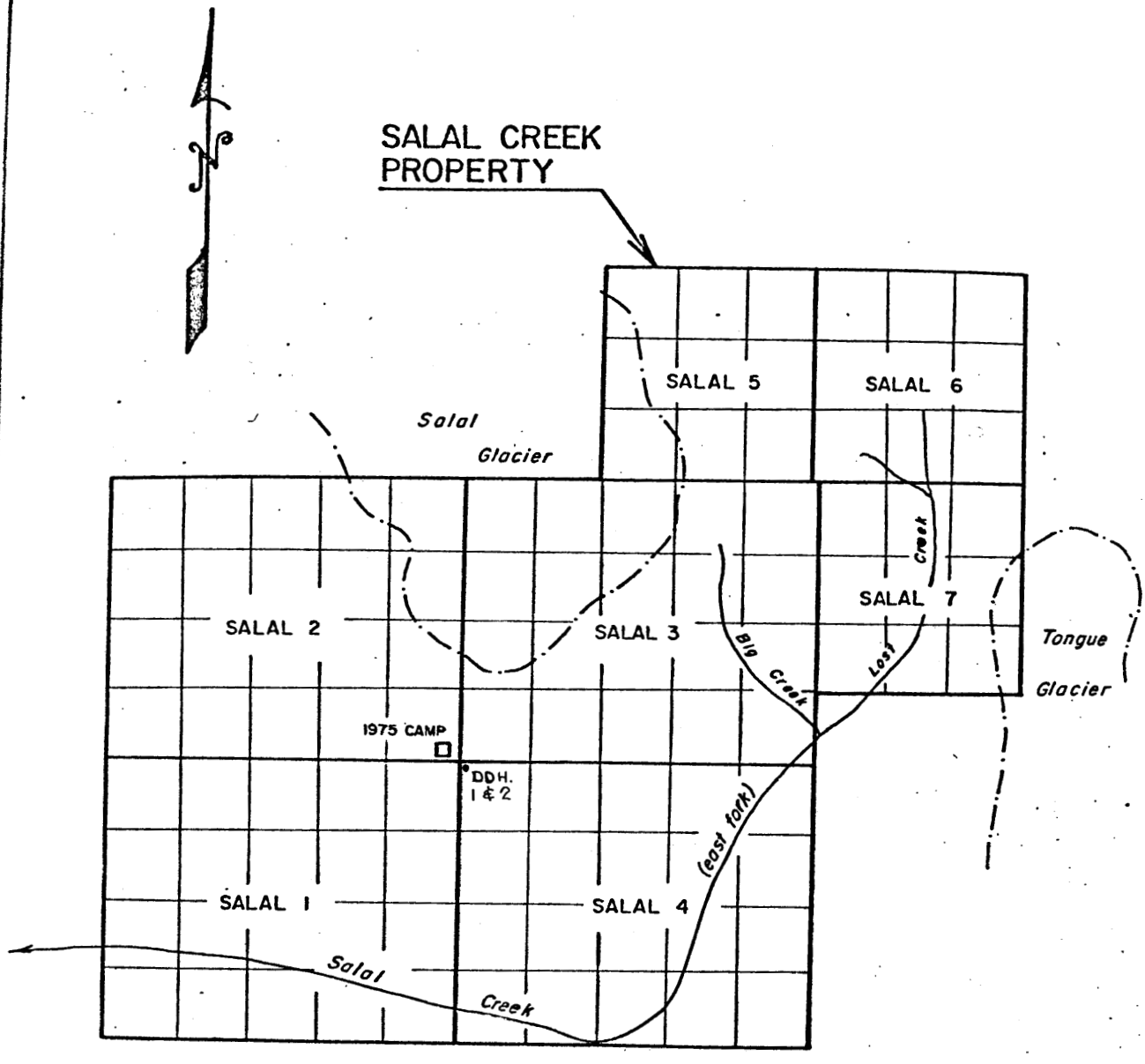
1 inch = 8 miles

1 : 500,000

#5948

LOCATION MAP

Figure 1



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BP Minerals Limited

CLAIM BOUNDARIES

SALAL CREEK

SCALE 1" = 4000'		NTS 92 J / 14 W	FIG. 2
DRAWN 76-24	DATE FEB / 76	PROJ. 507	

Plate IV

View looking north from ridge south of 1975 drill camp. The stock is marked by a prominent stain zone. Garibaldi Group volcanics form a discontinuous capping.

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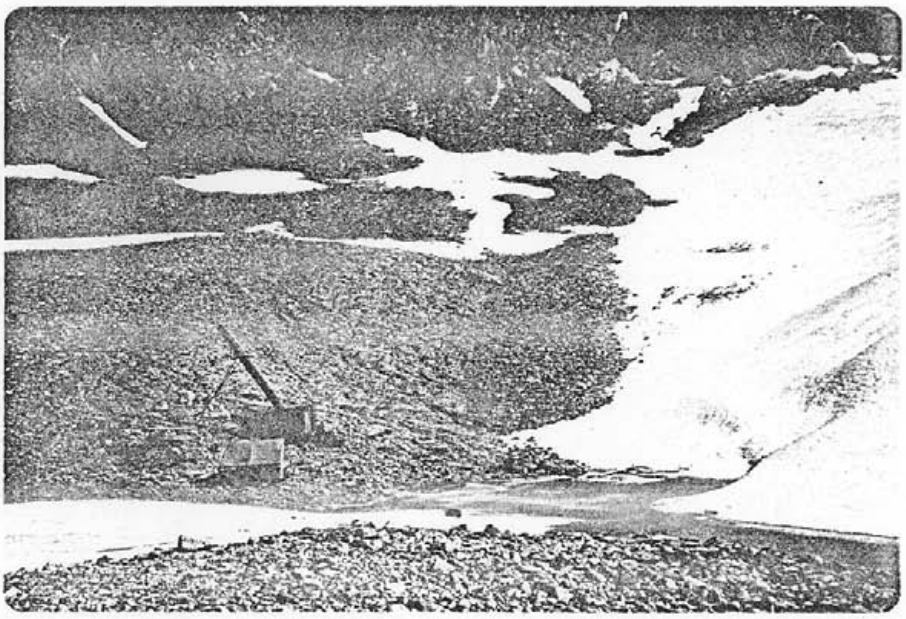

Plate VII

The 1975 drill set-up. Drill is oriented in a southerly direction towards the area underlying Float Creek.

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STATEMENT OF COSTS

Salal Creek Molybdenum Property

Salal Mineral Claims

Salal 1-4 (Group A, B)

SUMMARY

i)	Direct Drilling	$ 51,374
ii)	Indirect Drilling	31,037
iii)	Helicopter Support	20,257
iv)	Logging and Splitting	10,032
v)	Report	200
	Total	$112,900

i) Direct Drilling Costs

D.D.H. 75-1:

0- 357'	@	$12.25/ft	$ 4,373
357- 500'	@	12.25/ft	1,752
500-1000'	@	13.00/ft	6,500
1000-1381'	@	14.15/ft	5,391
			$18,016

D.D.H. 75-2:

0- 50'	@	$14.25/ft	$ 712
50- 114' at field cost (48 man hrs	@	15.05/hr	722
114- 500'	@	13.25/ft	5,115
500-1000'	@	14.00/ft	7,000
1000-1502'	@	15.15/ft	7,605
1502-2000'	@	15.70/ft	7,819
2000-2252'	@	17.40/ft	4,385
			$33,358

Total Costs $51,374

ii) Indirect Drilling Costs

Mobilization - Demobilization	$ 2,500
Labour for camp and drill set up 1114 hrs @ $15.50/hr	17,267
Mixing mud- 108 hrs @ $15.50/hr	1,674
Drill hours- 214 hrs @ $10.00/hr	2,140
Drill mud	4,129
Core boxes	986
Drill supplies(bits, casing,etc.)	1,690
Tropari rental (2 for 1½ months)	394
Rental of core splitter, SBX-11 radio, chain saw (2 months)	257
Total Costs	$31,037

iii) Helicopter Support

Bell 204B

July 30	Ferry and camp move in	4.6 hrs
31	Drill and camp move in	6.4
Aug 5	Drill and camp move in	4.1
6	Drill set up	8.6
8	Camp move in	5.0
9	Ferry	0.8
		29.5 hrs

29.5 hrs @ $590/hr	$17,405
29.5 hrs @ $55/hr(operating cost)	1,622
	$19,027

Bell 206B

Aug 4	Moving equipment in	2.0 hrs
5	"	1.7
9	"	2.4
11	"	3.7
15	"	3.1
22	Supply trip	2.0
30	"	8.3
Sept 5	"	4.5
10	"	1.8
16	"	3.7
22	"	4.9
26	"	4.7
Oct 4	Moving personnel and equipment out	2.3
22	"	2.6
		47.7 hrs

47.7 hrs @ $315/hr	$15,026
47.7 hrs @ $23/hr(operating cost)	1,097
	$16,123

Bell 205

Oct 23	Drill move out	6.5 hrs	
24	Ferry	0.9	
		7.4 hrs	
7.4 hrs @ $670/hr			$4,958
7.4 hrs @ $55/hr (operating cost)			407
			$5,365
	Total Costs		$40,515
	50% claimed		$20,257

iv) Logging and Splitting

Dr. G. Stephens - Aug 1-Sept 10 (40 days)	$ 2,667	
D.K. Bragg Aug 28-Oct 4, Oct 22-Oct 24 (41 days)	4,100	
R. Wong Sept 10-Oct 4 (25 days)	875	
A. Fyfe Aug 6 - Aug 29 (24 days)	440	
Food and Accommodation 130 days @ $15.00/day	1,950	
Total Costs		$10,032

v) Report

Core logs/maps/report

Total Costs	$200

TOTAL $112,900

Salal #1 / Salal #2 (Group 'A')

Direct Drilling			
75-1			
693-1000'	307 ft @ $13.00	3,991.00	
1000-1381'	381 ft @ 14.15	5,391.15	
75-2			
2162-2252'	90 ft @ 17.40	1,566.00	
			$10,948
Indirect Drilling	(21.41%)		6,645
Helicopter	(21.41%)		4,337
Logging and Splitting	(21.41%)		2,148
Report	(21.41%)		43
		Total Costs	$24,121

Salal #3 / Salal #4 (Group 'B'

Direct Drilling

75-1

0-500'	500 ft @ $12.25	$6,125.00
500-693'	193 ft @ 13.00	2,509.00

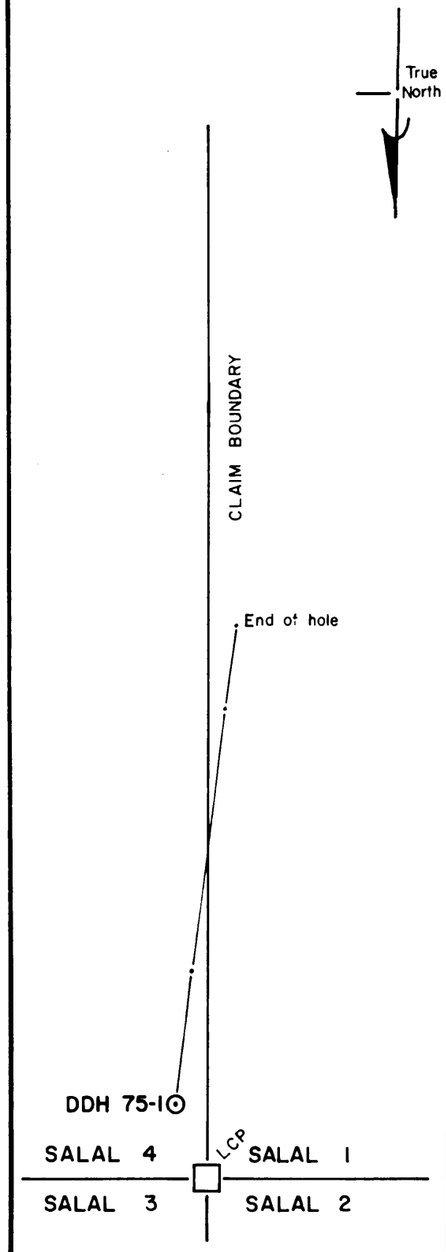
75-2

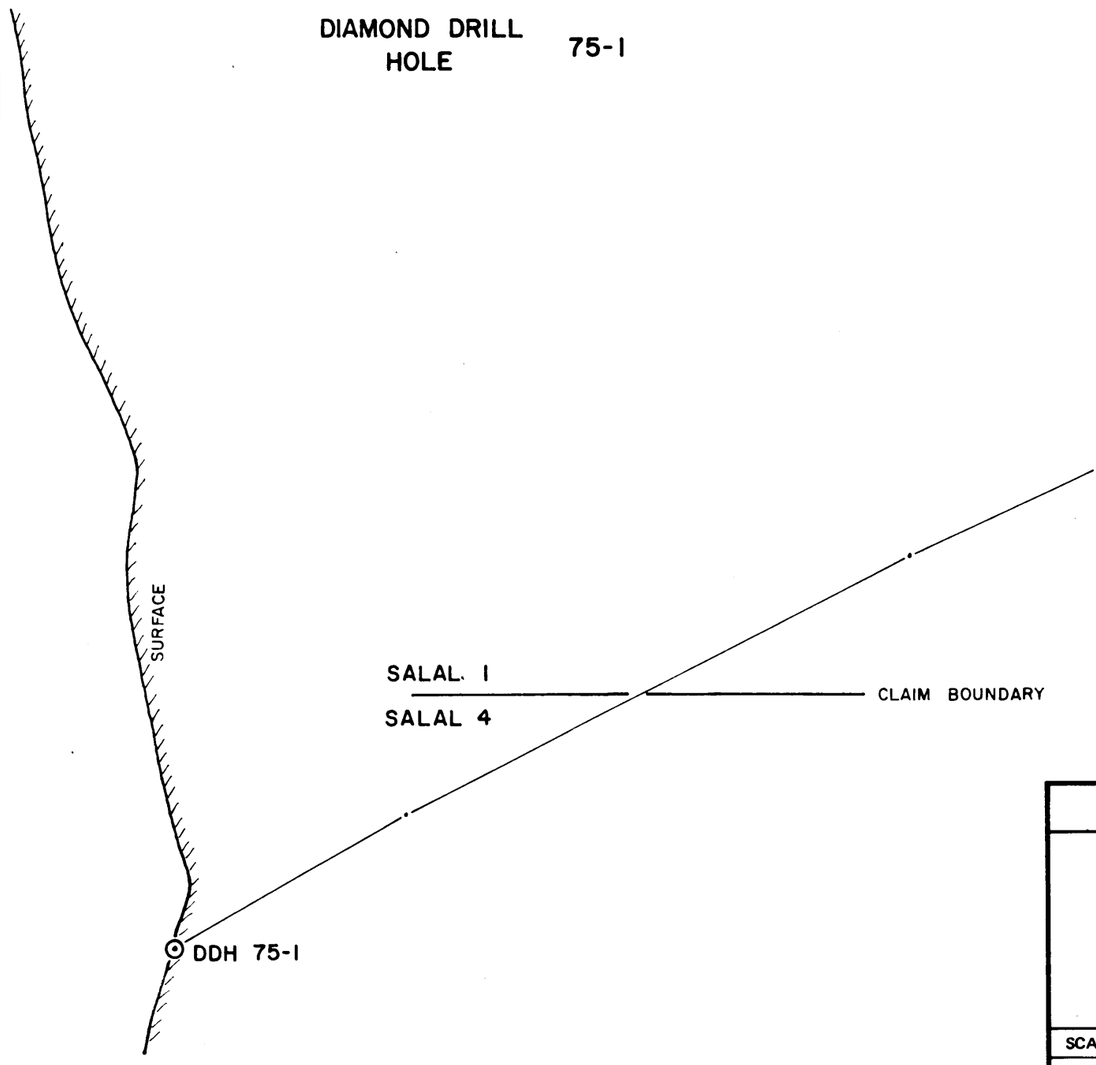
0- 50'	50 ft @ $14.25	712.50
50- 114'	field cost 48 hrs @ 15.05/hr	722.40
114- 500'	386 ft @ 13.25	5,114.50
500-1000'	500 ft @ 14.00	7,000.00
1000-1502'	502 ft @ 15.15	7,605.30
1502-2000'	498 ft @ 15.70	7,818.60
2000-2162'	162 ft @ 17.40	2,818.80

			$40,426
Indirect Drilling	(78.59%)		24,392
Helicopter	(78.59%)		15,920
Logging and Splitting	(78.59%)		7,884
Report	(78.59%)		157
		Total Costs	$88,779

NORTH-SOUTH SECTION LOOKING EAST

DIAMOND DRILL HOLE 75-1





#5948

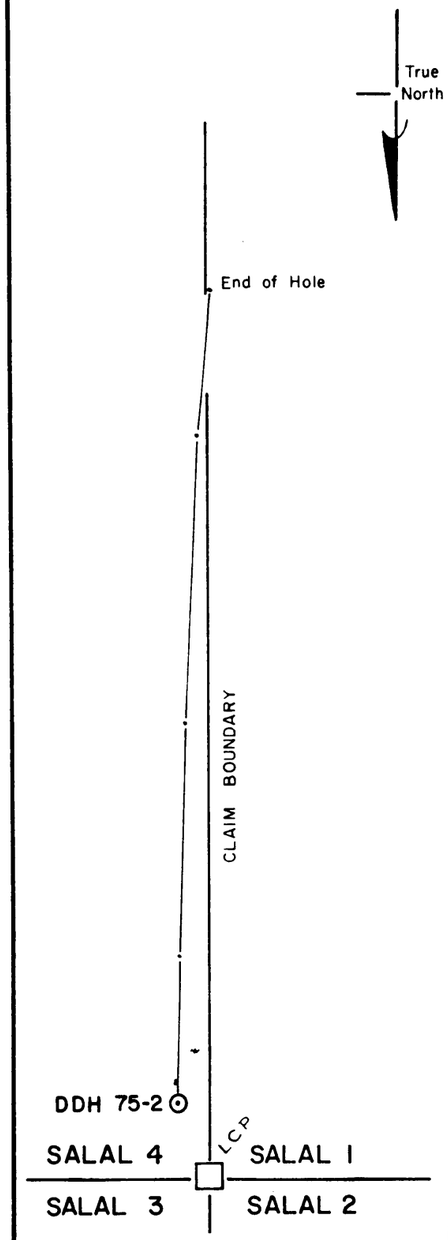
BP Minerals Limited

SALAL CREEK PROPERTY

DIAMOND DRILL HOLE 75-1

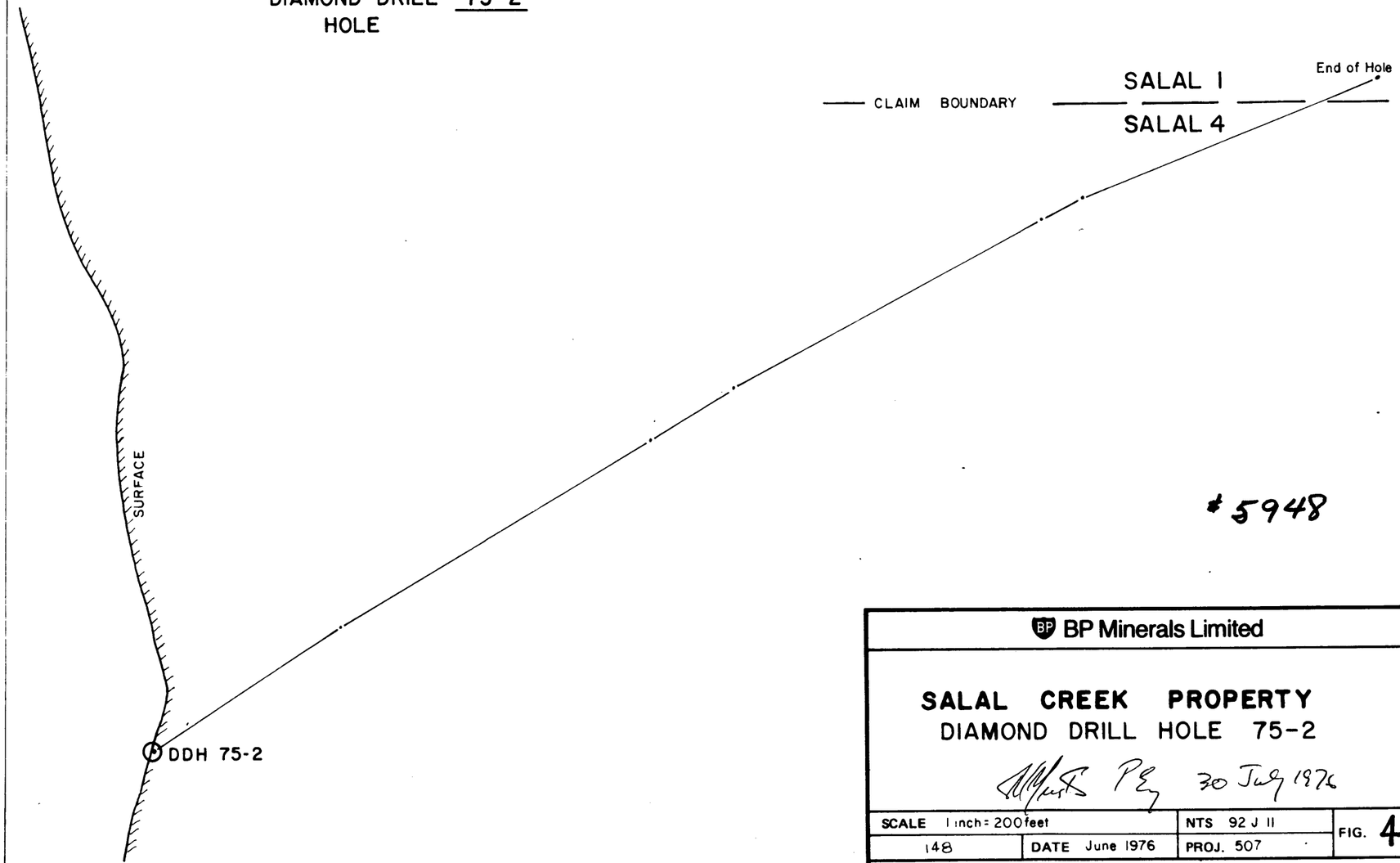
30 July 1976

SCALE 1 inch = 200 feet		NTS 92 J 11	FIG. 3
147	DATE June 1976	PROJ. 507	
To accompany report:			



NORTH-SOUTH SECTION LOOKING EAST

DIAMOND DRILL 75-2
HOLE



#5948

BP Minerals Limited

SALAL CREEK PROPERTY

DIAMOND DRILL HOLE 75-2

30 July 1976

SCALE 1 inch = 200 feet		NTS 92 J 11	FIG. 4
148	DATE June 1976	PROJ. 507	

To accompany report:

List of Qualifications

George C. Stephens

BSc	1967 -	George Washington University (Geology)
MSc	1969	George Washington University (Geology)
PhD	1972	Lehigh University (Geology)

1969-1976 Consulting Geologist - Alrae Engineering, Vancouver, B.C.

1972-1975 Assistant Professor (Geology) - La Salle College, Philadelphia, Penna.

1975-1976 Assistant Professor (Geology) - Bryn Mawr College, Bryn Mawr, Penna.

Member: Geological Society of America, Geological Association of Canada, Society of Exploration Geophysicists, American Geophysical Union.

List of Qualifications

Russell H. Wong

BSc 1975 University of British Columbia (Honours Geology)

May - August 1973 Noranda Exploration Co. Ltd.

June 1974 BP Minerals Limited

TABLE 1

Abbreviations used in drill logs

Altered
Alteration - alt

Approximately - approx

Biotite - bi

Breccia - bx

Chalcopyrite - cpy

Chlorite - chl

Chloritization - chlor

Coarse-grained - cg

core axis - c.a.

Crystal(s) - xtal

Disseminations
Disseminated - diss

Envelope(s) - env

Epidote - epid

Equigranular - eq

Evident - evid

Feldspar - feld

Fine-grained - fg

Fluorite - fl

Fractured
Fracture(s) - fr

Fracture-filling - fr-fill

Generally - gen

Groundmass - gm

Iron - Fe

Irregular - irreg

Kaolinized
Kaolinization - kaol

K-feldspar - K-spar

Magnetite - mag

Manganese - Mn

Massive - mass

Medium-grained - mg

Moderate(ly) - mod

Moderate to strong - mod-st

Molybdenite - Mo

Monzonite - monz

Parallel - //

Phenocrysts - phenos

Plagioclase - plag

Porphyry
Porphyritic - porph

Prevalent - prev

Pyrite - py

Quartz - qtz

Secondary - sec

Sericite - ser

Sericitized
Sericitization - seric

Silicified
Silicification - silic

Sphalerite - sph

Strong(ly) - st

Trace - tr

Very fine-grained - vfg

Weak(ly) - wk

Weak to moderate - wk-mod

AGREEMENT

THIS AGREEMENT made this 2nd day of June 1975.

B E T W E E N :

BP MINERALS LIMITED
405, 1199 West Pender Street
Vancouver, B.C.
(hereinafter referred to as the "Company")

A N D :

CONNORS DRILLING LTD.
205, 1201 West Pender Street
Vancouver, B.C.
(hereinafter referred to as the "Contractor")

W I T N E S S E T H :

WHEREAS the Company hereby requests that the Contractor carry out certain surface diamond drilling and other services (herein called "the work"), on the Company's property near Pemberton, B.C.;

AND WHEREAS the Contractor hereby agrees to perform said diamond drilling and other services requested, under the terms and conditions hereinafter contained:

NOW THEREFORE, the parties agree as follows:

1. SCOPE OF WORK

The work is to consist of the drilling series of drill holes, to be drilled to depths, at angles and at locations specified by the Company. A total minimum footage of 4000 feet shall be drilled, but total footage may be extended beyond that amount, by mutual consent. Holes shall be drilled with BQ tools, producing approximately 1 7/16 inch diameter core, as far as is reasonably practical. Maximum depth of any hole shall be around 2500 feet. Holes shall not be drilled at an angle less than 60'.

2. COMMENCEMENT AND EXECUTION OF WORK

The work shall be commenced within the time limits specified by the Company, i.e. on or about August 1, 1975. Work will proceed with two ten hour shifts per day, seven days a week, or as near that schedule as can be maintained.

3. THE CONTRACTOR HEREBY COVENANTS AND AGREES:

(a) To provide all of the required drilling machinery and associated tools including, but not limited to: One diamond drill rig capable of drilling 2500 feet BQ, pumps, rods, casing diamond set items, etc.

(b) That drilling crews will follow good drilling practice and shall use due care and diligence as shall enable them to recover as high a percentage of core as the nature of the ground being drilled shall permit. All cores shall be delivered to the Company, in boxes provided by the Company at the drill sites.

(c) That it shall be responsible for, and will pay promptly all costs and charges, incurred by itself for labour, machinery, tools, and supplies used in completing the work hereunder so that no lien or other such charge relative to the Contractor, may be registered against the Company or the property. The Contractor shall be responsible for the payment of all assessments for Worker's Compensation, Holiday Pay, Canada Pension, Unemployment Insurance, Sales Tax, or other such applicable charges relative to its own labour and supplies purchases.

(d) The Contractor shall, at all times enforce strict discipline and maintain good order among its employees and shall not retain on the work any unfit person or anyone not skilled in the work assigned to him. Any employee who is objectionable or unsatisfactory to the Company shall be removed from the work and replaced by an employee satisfactory to the Company.

(e) The Contractor shall keep his camp and drill sites free from waste and rubbish, and at the completion of the work he shall leave the camp area and all drill sites as clean as possible.

(f) The Contractor or its personnel shall not divulge any information concerning drilling results, or permit access to, or examination of the drill core by any person not specifically authorized by the Company.

4. THE COMPANY HEREBY AGREES

(a) Should cavities, loose or caving ground or excessive water flows be encountered in a hole so that further drilling in that hole is deemed impracticable, that hole may by mutual consent, be abandoned, and the Contractor be paid at rates so specified herein for all footage completed in that hole. However, should the Company request that further work be carried out in the hole beyond this point, then the Contractor shall continue work in the hole but such continuing work shall be at FIELD COST Rates.

(b) That it will provide access roads to as near all drill sites as is practical, and provide all air transportation services required by Contractor for the duration of the job, at no cost to the Contractor.

(c) The Company shall provide, at no cost to the Contractor, all rights of way of ingress and egress to all lands that may be required to enable the Contractor to carry out the work as specified. The Contractor shall be permitted to cut and fell any timber on the Company's property as may be required in the course of the work hereunder, and the Company shall indemnify and save harmless the Contractor from any assessment for stumpage or other charges of every kind and nature.

5. THE COMPANY HEREBY AGREES to pay the Contractor for footage drilled and other services performed as follows:

(a) Mobilization and demobilization: For Contractor's equipment and crews from base of operations to transport discharge point and return, a lump sum of $2,500.00.

(b) Drilling

For drilling BQ size in Bedrock:

from bedrock to 500 feet at	$12.25 a foot
from 501 feet to 1000 feet at	$13.00 a foot
from 1001 to 1500 feet at	$14.15 a foot
from 1501 feet to 2000 feet at	$15.70 a foot
from 2001 feet to 2500 feet at	$17.40 a foot

(c) Overburden Penetration:

from 0 to 50 feet shall be at $14.25 a foot, beyond 50 feet at Field Cost if the cost of penetration exceeds $14.25 a foot.

(d) Reaming, casing, and mud circulation operations, if and when required, shall be at Field Cost.

(e) Standby, dip-testing, or delay time, or other time during which the Contractor's crews are performing services for the Company, not otherwise covered herein, at Field Cost.

(f) Cementing of drill holes, and redrilling of cemented section of hole: At Field Cost.

(g) Water Supply: Contractor will provide 2000 feet of waterline with pump capable of 200 foot lift. Installation and removal of waterlines shall be at Field Cost.

(h) Moving of drill and equipment from site to site: Tearing down, moving and setting up of drill and equipment from transport discharge point to the first drill site between drill sites and from the last drill site to the truck loading point shall be at Field Cost.

(i) Truck rental: If necessary, Contractor will provide a service truck for its crew at no cost to the Company.

(j) Core boxes: Contractor will supply core boxes, if requested, at $3.75 per box, lids at $1.00 each.

(k) Camp: Contractor will supply camp for its crew and will provide meals for two Company personnel at $5.00 per meal. Installation and removal of camp shall be at Field Cost Labour rates.

(l) Field Cost, where applicable, shall be: Field Cost Labour at $15.50 per man hour, drill and equipment rental at $10.00 per drill shift hour (to be limited to 8 hours per shift or 16 hours per day, for Stem Boy) and the cost of all tools and supplies, lost or consumed during the Field Cost portion of the work at cost plus 15%.

(m) Travel time: If travel or walking time for Contractor's crews exceeds one half hour per man per day, then all such walking time in excess of ½ hour shall be at Field Cost Labour rates.

(n) Tropari rental: Contractor will provide a Tropari instrument for $125.00 per month. The cost of repairs to the instrument due to damage caused to the instrument on this project will be for the Company's account.

(o) Company is to supply radiotelephone.

6. INSURANCE AND GENERAL

(a) The Contractor, at its own cost, shall maintain insurance to the following limits; Liability and Property Damage $2,000,000.00, Automobile Insurance coverage $1,000,000.00. All such policies of insurance shall provide by endorsement or otherwise that the insurer waives its right of subrogation against the Company and that the insurer shall deliver to the Company at least 10 days written notice of any material change in such policy of insurance. The Contractor shall deliver to the Company a certificate of insurances or duplicate policies of insurance and such other documents as may be required evidencing full compliance with the insurance requirements hereinbefore contained.

(b) The Contractor shall not be held liable for any loss or damage suffered by reason of any cause beyond its active control such as riots, strikes, lockouts, Acts of God, or failure or transportation. The Contractor shall, except as herein provided, indemnify and save harmless the Company from and against any and all claims arising out of or attributable to the work to be performed.

(c) Under the foregoing terms and conditions the Contractor does not guarantee to drill any hole to any specified depth. The Contractor will however, expend every reasonable effort to complete all holes to the satisfaction of the Company.

(d) The Contractor shall invoice the Company semi-monthly for footage drilled and other services performed. Such invoices shall be due and payable within 30 days of the invoice date.

IN WITNESS WHEREOF THE COMPANY and the Contractor sets their hands this 5th day of August, 1975.

APPROVED FOR EXECUTION (LEGAL)

BP MINERALS LIMITED

DIRECTOR

SECRETARY

CONNORS DRILLING LTD.

Connors Drilling Ltd.
Subsidiary of
Bow Valley Industries Ltd

201 - 1201 WEST PENDER STREET, VANCOUVER, B.C. CANADA V6E 2V2
AREA CODE 604/683 - 2222

B P Minerals Limited
RECEIVED
SEP 4 1975
Vancouver, B.C.

B.P. MINERALS LTD.
405 - 1199 WEST PENDER ST.
VANCOUVER, B. C.

Job #21-612
INVOICE NO: 6071
DATE: Sept. 2, 1975

SURFACE DIAMOND DRILLING
PEMBERTON, B. C.
JULY 30 - AUG. 15, 1975

MOBILIZATION - DEMOBILIZATION	(Lump Sum)	2,500.00
FOOTAGE FEE		
D.D. Hole #75-1 0' - 357'	357' @ 12.25	4,373.25

FIELD COST WORK

DATE	MAN HRS.	DRILL HRS.	REMARKS
July 30/75	24	0	2 men moving equipment
31/75	53	0	4 men moving equipment
Aug. 1/75	40	0	5 men standby poor weather
2/75	40	0	5 men standby poor weather
3/75	32	0	4 men standby poor weather
5/75	20	0	4 men travel back to Pemberton
5/75	20	0	4 men flying equipment to job
6/75	64	0	4 men moving in & build camp
7/75	16	8	2 men building set-up
7/75	14	0	Work on camp
8/75	24	12	Setting up with helicopter
8/75	56	0	4 men build camp
9/75	20	10	Move equipment to drill site
9/75	52	0	Build camp
10/75	25	10	Setting up drill
10/75	35	0	Build camp
11/75	24	10	Setting up drill
11/75	40	0	Build camp
12/75	18	5	Complete setting up

Area Code 604/683-2222

Connors Drilling Ltd.
Subsidiary of
Bow Valley Industries Ltd.

~~155 West 3rd Avenue Vancouver 10, B.C., Canada~~
~~Area Code 604/872-1675~~

To
B.P. MINERALS LTD.
405-1199 WEST PENDER ST.
VANCOUVER, B. C.

DATE Sept. 2/75

INVOICE NO. 6071

Aug. 13/75	10	0	Camp construction
14/75	10	0	Camp construction
15/75	12	0	Camp construction
15/75	20	10	Ream NW Casing 55' - 85'
	669	65	

Total man hours	669 @ 15.50	10,369.50	
Total drill hours	65 @ 10.00	650.00	11,019.50

REMOBILIZATION CHARGES

G. Perron Expense Account (Copy attached)	12.70	
W.R. Houlet Expense Account (Copy attached)	45.00	
H.J. Casséllles Expense Account (Copy attached)	50.00	107.70

CORE BOXES SUPPLIED

175 BQ Core Boxes @ 2.75	481.25	~~481.25~~
25 BQ Core Boxes Lids @ 1.00	25.00	
	506.25	
5% tax	25.31	
		531.56

MUD SUPPLIES CONSUMED

29 - 50# Bags Quick Gel Mud @ 4.35	126.15	
5% tax	6.31	132.46

MEALS SERVED YOUR PERSONNEL

Aug. 6 - 15/75 2 men - 10 days
20 man days @ 15.00 — 300.00

SUPPLIES CONSUMED REAMING

1 NW Casing Shoe# J4ZW-457	179.20	
1 BW Casing Shoe# I5HW-267	140.83	
1 BQ Non Core Bit# M5P0-001	195.65	
	515.68	
5% tax	25.78	
	541.46	
15% tax	81.22	
		~~19~~,622.68
		19,587.15

APPROVED FOR PAYMENT
CHARGE 80021
DATE SEP 30 1975 NTLS

Connors Drilling Ltd.
Subsidiary of
Bow Valley Industries Ltd.

201 - 1201 WEST PENDER STREET, VANCOUVER, B.C. CANADA V6E 2V2
AREA CODE 604/683 - 2222

Job 21-612

INVOICE NO: 6124
DATE: September 11, 1975

B. P. Minerals Ltd.
405 - 1199 West Pender St.
Vancouver, B. C.

SURFACE DIAMOND DRILLING
PEMBERTON, B. C.
AUGUST 16 - 31, 1975

FOOTAGE FEE					
D.D. Hole #75-1	357' - 500'	143'	@ 12.25	1,751.75	
	500' - 1000'	500'	@ 13.00	6,500.00	
	1000' - 1381'	381'	@ 14.15	5,391.15	
75-2	0' - 50'	50'	@ 14.25	712.50	
	50' - 114'	64'	@ Field Cost		14,355.40
		1138'			

FIELD COST WORK

DATE	SHIFT	MAN HRS.	DRILL HRS.	REMARKS
Aug. 15/75	Day	12	-0-	1 man haul & load chopper
16	"	20	10	Ream BW Casing 0-100'
"	Night	16	8	" " " 100-120'
19	Day	19	-0-	1 man haul & load chopper
22	Night	12	6	Pull BW Casing
23	Day	10	5	Work on waterline
"	"	12	-0-	1 man haul & load chopper
25	"	16	8	Reaming sand & cave
28	"	13	-0-	1 man haul & load chopper
30	"	20	10	Moving to hole #2
"	"	8	-0-	Loading helicopter
"	"	4	2	Work on waterline
"	"	8	-0-	2 men load & unload chopper
"	"	6	3	Overburden beyond 50'
31	"	20	10	" " "
"	Night	22	11	" " "
		218	73	

Connors Drilling Ltd.
Subsidiary of
Bow Valley Industries Ltd.

155 West 3rd Avenue Vancouver 10, B.C., Canada
Area Code 604/872-1675

To
B. P. Minerals
405 - 1199 West Pender St.
Vancouver, B. C.

DATE September 11, 1975

INVOICE NO. 6124

Total man hours	218 @ 15.50	3,379.00	
Total drill hours	73 @ 10.00	730.00	4,109.00
MUD SUPPLIES CONSUMED			
38	50# Bags Quik Gel Mud @ 4.35	165.30	
23	2# " " Trol " @ 6.05	139.15	
		304.45	
5% tax		15.22	319.67
CORE BOXES SUPPLIES			
Aug. 28/75	80 NQ Boxes @ 3.75	300.00	
5% Tax		15.00	315.00
MEALS SERVED YOUR PERSONNEL			
Aug. 16-31/75 (copy attached)			
95 meals @ 5.00			475.00
SUPPLIES CONSUMED ON FIELD COST		166.00	
2	2 15/16 Tricone Bit @ 83.00	~~168.00~~	
1	Bw Casing Shoe #15HW-267	140.83	
5	pcs. BW-10' Casing @ 48.30	241.50	
2	3 7/8 Tricone Bit @ 80.00	160.00	
2	pcs. NW-10' Casing @ 59.70	119.40	
		829.73	827.73
5% Tax		~~41.49~~ 41.59	~~871.22~~ 869.12
TROPARI RENTAL (2)			
Aug. 16-31/75	2 x ½ month @ 125.00	125.00	
5% tax		6.25	131.25
			~~20,576.54~~
			$ 20,574.44

APPROVED FOR PAYMENT
CHARGE 80021
DATE SEP 30 1975 INTLS

Connors Drilling Ltd.
Subsidiary of
Bow Valley Industries Ltd

205-
201 - 1201 WEST PENDER STREET, VANCOUVER, B.C. CANADA V6E 2V2
AREA CODE 604/683 - 2222

Job 21-612

INVOICE NO: 6155
DATE: Sept. 26/75.

B.P. Minerals Ltd.,
405-1199 West Pender St.,
Vancouver, B.C.

SURFACE DIAMOND DRILLING
PEMBERTON, B.C.
SEPTEMBER 1-15th, 1975

FOOTAGE FEE:

D.D. Hole	114;-500'	386'	@ 13.25	5,114.50	
#75-2	500'-1,000'	500'	@ 14.00	7,000.00	
	1,000'-1,243'	243'	@ 15.15	3,681.45	15,795.95
		1,129'			

FIELD COST WORK:

DATE	SHIFT	MAN HRS.	DRILL HRS.	REMARKS
Sept. 1/75	Day	4	2	Work on Set-up
Sept. 5/75	Day	4	0	Helper unload Chopper
Sept. 6/75	Day	2	1	Mix Mud
Sept. 7/75	Day	2	1	Reset Tower Legs
Sept. 8/75	Day	2	1	Mix Mud
Sept. 9/75	Day	2	1	Mix Mud

Invoice 6155

Connors Drilling Ltd.
Subsidiary of
Bow Valley Industries Ltd.

Suite 205 - 1201 West Pender Street
Vancouver, B.C. V6E 2V2

To
B.P. Minerals Ltd.,
405-1199 West Pender St.,
Vancouver, B.C.

DATE Sept. 26/75.

INVOICE NO. 6155
Job 21-612

FIELD COST WORK - Continued

DATE	SHIFT	MAN HRS.	DRILL HRS.	REMARKS
Sept. 10/75	Day	12	0	Haul Equipment for Chopper Flying
Sept. 11/75	Day	1	0	Unload Chopper
Sept. 13/75	Night	2	1	Mix Mud
Sept. 14/75	Day	2	1	Mix Mud
Sept. 14/75	Night	4	2	Mix Mud
Sept. 15/75	Day	4	2	Mix Mud
Sept. 15/75	Night	2	1	Mix Mud
Sept. 15/75	Day	16	0	Haul and Load Equipment for Chopper Flying
		59	13	

Total Man Hours	59 @ 15.50	914.50	
Total Drill Hours	13 @ 10.00	130.00	1,044.50

MUD SUPPLIES CONSUMED:

122-50# Bags Quick-Gel Mud	@ 4.35	530.70	
80- 2# Bags Quick-Trol Mud	@ 6.05	484.00	
3-40# Bags Quick Seal	@ 23.65	70.95	
		1,085.65	
	5% Tax	54.28	1,139.93

CORE BOXES SUPPLIED - SEPT. 4/75:

20 - NQ Boxes and Lids	@ 3.75	75.00	
	5% Tax	3.75	78.75

MEALS SERVED YOUR PERSONNEL:

Sept. 1-15th, 1975 - (Copy Attached)			
60 Meals	@ 5.00	~~xxx.xx~~	300.00

TROPARI RENTAL (2):

Sept. 1-15th, 1975 2 x ½ Month	@ 125.00	125.00	
	5% Tax	6.25	131.25
			18,490.38

APPROVED FOR PAYMENT
CHARGE 80021
DATE SEP 30 1975 INTLS

FT:ew
Attachment

Connors Drilling Ltd.
Subsidiary of
Bow Valley Industries Ltd.

~~XXXXXXXXX~~ Suite 205 - 1201 West Pender Street
Vancouver, B.C. V6E 2V2

Job # 21-612

INVOICE NO: 6218

DATE: October 8, 1975

B.P. Minerals Ltd.,
405 - 1199 West Pender St.,
Vancouver, B.C.

SURFACE DIAMOND DRILLING
Pemberton B.C.
September 16 - 30, 1975

FOOTAGE FEE

D. D. Hole	#75-2	1243' - 1502'	259'	@	$15.15	$3923.85	
		1502' - 2000'	498'	@	15.70	7818.60	
		2000' - 2252'	252'	@	17.40	4384.80	$16,127.25
			1009'				

FIELD COST WORK

Date	Shift	Man Hrs.	Drill Hrs.	REMARKS
Sept. 16/75	Day	4	2	Mixing mud
"	Night	4	2	" "
Sept. 17/75	Day	4	2	" "
"	Night	5	2½	" "
Sept. 18/75	Day	4	2	" "
"	Night	4	2	" "
Sept. 19/75	Day	2	1	" "
"	Day	10	5	Tropari Test
"	Night	14	7	Install Casing
Sept. 20/75	Day	2	1	Mixing Mud
"	Day	4	2	Ream casing
Sept. 21/75	Day	2	1	Mixing mud
"	Night	1	½	" "
Sept. 22/75	Day	3	1½	" "
"	Night	2	1	—

Connors Drilling Ltd.
Subsidiary of
Bow Valley Industries Ltd.

155 West 3rd Avenue Vancouver 10, B.C., Canada
Area Code 604/872-1675

To • B.P. Minerals Ltd.,
405 - 1199 West Pender St.,
• Vancouver, B.C.

• DATE October 8, 1975

• INVOICE NO. 6218

• JOB #21-612

CORE BOXES SUPPLIED - September 18/75

10	NQ	Core Boxes	@ $3.75	$ 37.50	
			- September 4/75		
20	NQ	Box Lids	@ $1.00	20.00	
				$ 57.50	
			5% tax	2.88	$ 60.38

MEALS SERVED YOUR PERSONNEL

Sept. 16 - 30/75 (copy attached)
112 meals @ $5.00 560.00

TROPARI RENTAL

Sept. 16 - 30/75	2 X ½ month	@ $125.00	125.00	
	5% tax		6.25	131.25

BW CASING SHOE USED FOR REAMING

1 BW Shoe # 15HW-278	188.96	
5% tax	9.45	198.41

HAULING SUPPLIES TO PEMBERTON

Jim Harvey Sept. 18/75 (copy attached)	157.41	
Jim Harvey Sept. 25/75 (copy attached)	110.00	
Gas Pemberton Garage (copy attached)	14.15	281.56

$22,439.0

APPROVED FOR PAYMENT
CHARGE 80021
DATE NOV 7 1975 INTLS

6218

Ors Drilling Ltd.
Subsidiary of
Bow Valley Industries Ltd.

155 West 3rd Avenue Vancouver 10, B.C., Canada
Area Code 604/872-1675

B.P. Minerals Ltd.,
405 - 1199 West Pender St.,
Vancouver, B.C.

DATE October 8, 1975

INVOICE NO. 6218

JOB # 21-612

Date	Shift	Man Hrs.	Drill Hrs.	Remarks
Sept. 23/75	Day	2	1	Mixing Mud
"	Night	2	1	" "
Sept. 24/75	Day	3	1½	" "
"	Night	2	1	" "
Sept. 25/75	Day	3	1½	" "
"	Night	3	1½	" "
Sept. 26/75	Day	4	2	" "
"	Night	4	2	" "
Sept. 27/75	Day	4	2	" "
"	Day	2	1	Tropari Test
"	Night	2	1	Mixing Mud
"	Day	6	Ø	Repairs to Tent
Sept. 28/75	Day	2	1	Mixing Mud
"	Day	2	Ø	Repairs to Tent
"	Night	4	2	Mixing Mud
Sept. 29/75	Day	4	2	" "
"	Night	4	2	" "
Sept. 30/75	Day	4	2	" "
"	Night	4	2	" "
		126	59	

TOTAL MAN HOURS	126	@ $15.50	$ 1,953.00	
TOTAL DRILL HOURS	59	@ 10.00	590.00	$ 2,543.00

MUD SUPPLIES CONSUMED

237 - 50# Bags Quick Gel Mud	@ $4.35	1,030.95	
229 - 2 # Bags Quick Trol Mud	@ $6.05	1,385.45	
		2,416.40	
5% tax		120.82	2,537.22

Connors Drilling Ltd.
Subsidiary of
Bow Valley Industries Ltd.

205-
~~201~~ - 1201 WEST PENDER STREET, VANCOUVER, B.C. CANADA V6E 2V2
AREA CODE 604/683 - 2222

JOB # 21-612

INVOICE NO: 6243
DATE: October 22, 1975

B. P. Minerals Ltd.,
405 - 1199 West Pender St.,
Vancouver, B.C.

SURFACE DIAMOND DRILLING
Pemberton, B.C.
October 1 - 15, 1975

FIELD COSTS

Date	Shift	Man Hrs.	Drill Hrs.	Remarks
Oct. 1/75	Day	22	11	Standby
Oct. 2/75	"	20	10	Pulling casing
Oct. 2/75	Night	16	8	Standby
Oct. 3/75	Day	58	Ø	Wait for choppe
		116	29	

TOTAL MAN HOURS	116 @ $15.50	$1798.00	
TOTAL DRILL HOURS	29 @ 10.00	290.00	$2,088.00

SUPPLIES LEFT IN HOLE # 75-2

85 pieces NQ-10 Drill Rods (@85%)	@ $42.03	$3572.55	
11 pieces NW-10 Casing	@ 59.70	656.70	
2 Pieces NW-2 Casing	@ 19.75	39.50	
1 only NW Casing Shoe # J42W-459		179.20	
		4,447.95	
5% tax		222.40	4,670.35

MUD SUPPLIES LEFT ON JOB (Copy attached)

(6243)

Connors Drilling Ltd.
Subsidiary of
Bow Valley Industries Ltd.

~~155 West 3rd Avenue Vancouver 10 B.C. Canada~~
~~Area Code 604 872-1675~~

To
B. P. Minerals Ltd.,
485 - 1199 West Pender St.,
Vancouver, B.C.

DATE October 22, 1975

INVOICE NO. 6243

JOB # 21-612

80	50# Bags Quick Gel Mud	@ $4.35	$ 348.00	
80	2# Bags Quick Trol Mud	@ 6.05	484.00	
			832.00	
	5% tax		41.60	$873.60

MEALS SERVED YOUR PERSONNEL

October 1 - 3/75 (copy attached)

16 meals @ $5.00 80.00

TRUCK RENTAL (Hauling supplies to Pemberton)

Cana Rental	Inv. # 3682	(copy attached)	$ 88.02	
Cana Rental	3725	" "	124.46	
Cana Rental	3774	" "	97.82	310.30

$8,022.25

BP Minerals Limited
RECEIVED
OCT 22 1975
Vancouver, B.C.

APPROVED FOR PAYMENT
CHARGE 50021
DATE NOV 24 1975 INTLS

(6243)

51-0700

Connors Drilling Ltd.
Subsidiary of
Bow Valley Industries Ltd.

205-
201 - 1201 WEST PENDER STREET, VANCOUVER, B.C. CANADA V6E 2V2
AREA CODE 604/683 - 2222

Job 21-612

INVOICE NO: 6269
DATE: November 10, 1975

B. P. Minerals
405 - 1199 West Pender Street
Vancouver, B. C.

SURFACE DIAMOND DRILLING
PEMBERTON, B. C.
OCT. 22-27, 1975

FIELD COST WORK

DATE	MAN HRS.	REMARKS	
Oct. 22/75	18	3 men travel to Pemberton & wait for chopper	
23	16	3 men wait for chopper	
24	36	3 men flying equipment out	
27	12	3 men return to Vancouver	
	82	man hours @ 15.50	1,271.00

FUEL FOR HELICOPTER

Imperial Oil, Inv. 095318 (copy attached) 398.44

MOTEL CHARGES

Pemberton Motor Hotel, Oct. 24/75 (copy attached) 72.75

1,742.19

BP Minerals Limited
RECEIVED
NOV 18 1975
Vancouver, B.C.

APPROVED FOR PAYMENT
CHARGE 80021
DATE NOV 24 1975 INITIALS

6269

REMARKS (NOTE ANY DRILLING PROBLEMS ENCOUNTERED)

DRILL LOG

SHEET NO. 1 / 18

LOCATION	CO-ORDINATES	NORTH	EAST	ELEVATION
SALAL CREEK				7245'

DATE STARTED	DATE COMPLETED	SURVEYS				HOLE SIZE	TOTAL DEPTH	HOLE NO.
August 12, 1975	August 27, 1975		Top of hole	-60°	approx 186°	BQ	1381'	D.D.H. 75-1

DEPTH From	DEPTH To	CORE Length	CORE %Rec	LITHOLOGY	ALTERATION	MINERALIZATION	STRUCTURE F	STRUCTURE V/Ft	STRUCTURE F/Ft	Grop Lo
0	74'6"			Overburden - Glacial till.						
74'6"	83'	7'9"	93	Fg eq bi-bearing qtz monz. Average grain size =.5-1.0mm. Bi 2-3%. Fresh rock is light grey in colour. Most of core is rusty weathered along fr to depth of 1/2"-1". Core is broken (2-4" pieces).	50-100% bi is chlor and rimmed by rust haloes. Feld are unalt.	Tr(<.5%) diss mag and py. Diss py(1/16"cubes) along fr planes.No veins.	40°	0	4	
83'	96'	10'6"	81	Same rock type as above except less rusty weathering in this interval; core is broken as above. Cave(?) from 83'-83'6" (grinding core).	50-100% bi chlor.Feld fresh.Minor chl and epid along joint planes.	Minor py along joint planes.One discontinuous mo smear along a joint.	40-50°	0	4-8	
96'	106'	8'	80	Same rock as above except bi content = 1-2%. Only minor rusty weathering stain. Broken as above. Cave(?) from 105-106'. Core is broken in 4"-6" pieces.	Bi=50-100% chlor.Large plag grains(1-2mm)are extensively kaol.Mod kaol of plag along joint planes.	Py euhedra to 2mm diss along joint planes.No mo.	20-35°	0	4-6	
106	116	9'6"	95	Same rock. Rusty weathering on fr from 114-116'. Minor rehealed fr from 109-111'. Core is broken(4-6").	Bi 100% chlor.Larger plag grains kaol as above.	Vfg diss py throughout (.5%). Barely visible.Tr diss mag.	20° 35°	0	4-6	
116	126	9'6"	95	Same rock. Average grain size 1.0mm. Rusty weathering along fr over entire interval. Core is broken(3-5").	Bi 50-100% chlor.Large plag grains st kaol.	V fg diss py as above (<.5%).	20° 50°	0	4/4	
126	136	8'4"	83	Same rock. This interval is rusty weathered from 126-129', unweathered from 129-136'. Unweathered portion is less broken than above. Small healed fr of irreg trend from 134'5"-136'.	All plag is wk kaol. Larger grains mod kaol. Bi 50-100% chlor.	Vfg diss py surrounded by black reaction rims.One 1/8" qtz-mo veinlet at 120'6"(65°).	35° 65°	1/10	4/3	
136	146	10'	100	Same rock. Small healed fr as above continue through this interval.	50-70% plag is wk kaol. Bi = ?	Between 139'4"-139'8" are three 1/16-1/18"qtz-mo veinlets which trend 60°. At 144'4" is 1 qtz-mo filled 60° joint.Vfg diss py as above.	60°	1/2	4	

#5948

LOCATION	CO-ORDINATES	NORTH	EAST	ELEVATION	SHEET NO. 2	18
DATE STARTED	DATE COMPLETED	SURVEYS		HOLE SIZE: BQ	TOTAL DEPTH	HOLE NO. D.D.H. 75-1

DEPTH From	DEPTH To	CORE Length	CORE %Rec	LITHOLOGY	ALTERATION	MINERALIZATION	STRUCTURE F	STRUCTURE V/Ft	STRUCTURE F/Ft	Geo. Log
146	156	10'	100	Same rock. At 151'5" and 155'6" are 1cm thick bands of chl-py rich material at 40° (bands are fg eq .5-1.0mm).	Bi 50-100% chlor. Plag wk kaol.	Vfg diss py and mag(5-1.0%). Between 146'-148' are 6 mo-coated joints.	30° 60°	1/2	3/4	
156	163	7'	100	Same rock. Only very minor rusty stains on fr surfaces.	Bi 70-100% chlor. Very wk kaol of plag.	At 156'7" is one mo-filled joint. 4mo-filled joints from 160'6"-162'6", Only tr diss py.	30°	1/2	6	
163	169	2'10'	47	Same rock type. Core contains healed chl and yellowish clay-filled fr(1/inch). Between 164'6" and 169' core is only 15" long very broken and crumbly, contains numerous mo-coated healed fr and sparse(<1%) diss mo. 164'6"-169' is fault zone(?)	163-163'4" are 3-1/16" pink Mn veinlets bordered by thin chl env at 50°. Also 1 joint surface contains abundant coarse sec ser and 2 1/8" qtz-muscovite±mo veinlets at 20°.	Tr diss py mostly associated with chl grains. Tr diss mo on joint plane at 164'.	irreg	0	6-12	
169	178'6"	9'	95	Same rock. Minor rusty staining along fr in this interval. (1/ft healed fr). Most are qtz veinlets, some qtz-mo veinlets, irreg trends.	Bi 50-100% chlor. Larger plag grains are mod kaol	Tr diss py(<.5%) and rare mo-filled joints and qtz-mo veinlets. At 171'5" is a possible small grain of bornite(?)	35°	1	8	
178'6"	188	9'6"	100	Same rock. Same rusty staining. At 181'10" is one 1/2" white aplite dyke(very indistinct except no bi and much fg than host) 30° to c.a.	Same alt as above.	Tr diss py. Very minor cpy along 1 joint plane at 186'2". One py-chl-rich band 1/2" wide at 186'2".	35°	0	4	
188	198	9'6"	95	Same rock. Only very minor rusty staining along fr. At 195'0" is one 1/2" white aplite dyke 50° to c.a. This interval is not as broken as previous.	Bi 70-100% chlor. Very wk kaol of large plag grains.	Tr diss py. No mo.	60°	0	4	#5948
198	203	5'	100	Same rock. No rusty staining.	Bi 20-50% chlor. No kaol of plag.	Little or no py. No mo.	30° 60°	0	1/3	

LOCATION	CO-ORDINATES	NORTH	EAST	ELEVATION	3	18
DATE STARTED	DATE COMPLETED	SURVEYS			HOLE SIZE	TOTAL DEPTH	HOLE NO.
					BQ		D.D.H. 75-1

DEPTH From	DEPTH To	CORE Length	CORE %Rec	LITHOLOGY	ALTERATION	MINERALIZATION	STRUCTURE F	STRUCTURE V/Ft	STRUCTURE F/Ft	G
203	205'8"	2'8"	100	Vcg qtz-k-spar pegamtite. Grain sizes 1-3cm. K-spar is perthitic.	None.	None.	30°	0	1	
205'8"	216'	10'	97	Fg, eq, bi-bearing qtz monz. Average grain size 1mm. Bi 1-2%. Only very minor rusty fr.	Bi 50% chlor. Some large plag grains. Wk-mod kaol.	Minor diss py(<.5%).	60°	0	3	
216	226	10'	100	Same as above.	Same as above. Minor chl along fr surfaces.	Same as above.	60°	0	3	
226	236	10'	100	Same rock. 231'2"-232'2" is a zone of 1mm py and chl grains diss through the rock. These comprise 10% of the rock(similar to 186'2"). Only minor rusty stain on fr.	Bi 50% chlor. Larger plag grains kaol. Minor chl along some fr surfaces.	Minor diss py in host rock (often associated with alt of bi).	40°	0	3-4	
236	246	10'	100	Same as above. Only minor rusty stain on fr. At 245'9" is one 1/8" yellow clay-qtz-chl veinlet at 30°: clay/chl/qtz/chl/clay.	Same as above	Same as above.	30°	0	3-4	
246	256	9'6"	95	Same rock. Minor rusty staining on fr. 249'11"-250'4" is minor stockwork of unmineralized healed fr. Fr are 1/16" and filled with qtz-py-chl. 1/2" qtz-py-chl-clay(?)-ser veinlet at 247', 30°, no mo, light greenish.	Same as above. Bi 50-100% chlor. Chl+py are dominant on fr planes. Rusty stain ends at 252'.	Same as above. Tr mag also present.	30°	1/10	3-4	
256	266	10	100	Same rock. Very uniform. Very minor irreg chl-py-qtz veinlets 1/16"(1/ft).	Same as above. No rusty stain.	Same as above. No mo.	30-50°	0	3	
266	276	10	100	Same rock. From 272'2"-273' rock becomes "granular" and more porous and contains 5% diss py with no associated chl. Py is cg up to 2mm in diameter.	Bi 100% chlor. Larger plag grains kaol. Slight indications of chl and pink Mn mineralization.	Same as above and diss (see lithology). Py associated with chl only.	irreg	0	6	
276	286	9'6"	95	Same rock. Badly broken from 278-286'.	Same as above.	From 281-283'5" is very minor mo smears on some fr. 278'4"-278'8" is cg chl-free py similar to 272'2". #5948	irreg	0	24	

LOCATION	CO-ORDINATES	NORTH	EAST	ELEVATION

DATE STARTED	DATE COMPLETED	SURVEYS	HOLE SIZE	TOTAL DEPTH	HOLE NO.
			BQ		D.D.H. 75-1

DEPTH From	DEPTH To	CORE Length	CORE %Rec	LITHOLOGY	ALTERATION	MINERALIZATION	STRUCTURE F	STRUCTURE V/Ft	STRUCTURE F/Ft	G
286	296	?	?	Same rock. Badly broken and mod crumbly. From 294'6"-295' rock is peppered with 1/2-1mm chl and py grains up to 30%(not dyke or vein) - an irreg mafic-rich zone. 295-295'6" is qtz-k-spar peg.	Same as above.	Very minor mo smears on a few fr.	irreg	0	24	
296	302	6'	100	296-298' is same fg rock as above. 298-298'8" is granular rock of chl-free py cubes(1/16") to 20% - gradational contacts. 299'6"-299'7" is band of chl-py(20%) at 60° with 1/16" mo veinlet in centre. 301'8-302' is bx stockwork - fr healed with qtz-chl-purple qtz(?)	Same as above. No pink Mn mineralization.	Same as above.	30°	0	9	
302	303	?	?	Cave. Same rock. Rusty stains on fr surfaces.	Same as above	Same as above.	irreg			
303	313	?	?	Rock is fg, eq. bi-bearing qtz monz. Badly broken over entire interval but especially between 305-307' and between 308-309'.	Bi 100% chl.Larger plag grains mod kaol.Minor pink Mn mineralization associated with chl.	At 307'6" is tr cpy in 1/16" irreg py veinlet.Minor mo-filled fr 1/ft in this interval,irreg trends, 1% diss py.	irreg	0	36-48	
313	323	10	100	Same rock. Very badly broken 313-314'2. 314'2"-315'2" is"salt + pepper" textured chl-py rich zone similar to 294'6"-295'. Chl-py 30-40%. Same texture 322-322'6". 316-316'4" is qtz-plag pegmatite zone at 60°.	Bi 20-50% chlor.Larger plag grains wk kaol.	Mo smear on fr at 314'6". Other minor mo smears 1/ft in this interval. .5% diss py in host.	irreg	0	12-18	
323	333	10	100	Same rock type except bi content is locally 5%. 323'6"-324' is "salt/pepper" chl-py rich zone 30-40%. Minor healed fr with yellow clay, chl, qtz at 30° to c.a.	Bi 20-50% chlor. Wk kaol of palg.	Mo smears 1/ft on fr. .5% diss py.	60°	0	3-4	
333	343	10	100	Same rock except texture is subporph, i.e. plag phenocrysts to 3mm and qtz eyes to 3mm scattered widely in fg matrix(1mm).	Large plag grains st kaol. Bi 20-50% chlor.	337'6" one 1/8"qtz-py mo veinlet at 80°.Thin mo smears 1/ft on 60° fr. .5% diss py.	60°	1/10	3	
343	353	10	100	Same subporph rock type. One 1/8" qtz vein 50° to c.a. at 349'. Centre of vein contains 1/16" yellow clay - no sulphides.	Same as above.	.5% diss py. No mo smears.	30°	0	2	

#5948

DRILL LOG

SHEET NO. 5 | 18

LOCATION	CO-ORDINATES	NORTH	EAST	ELEVATION

DATE STARTED	DATE COMPLETED	SURVEYS	HOLE SIZE	TOTAL DEPTH	HOLE NO.
			BQ		D.D.H. 75-1

DEPTH From	DEPTH To	CORE Length	CORE %Rec	LITHOLOGY	ALTERATION	MINERALIZATION	STRUCTURE F	STRUCTURE V/Ft	STRUCTURE F/Ft	Gro Lo
353	363	10	100	Same rock. Rusty stained fr and rubbly core from 357-358'. At 360'7" is small grain of sec purple qtz in very small veinlet. 360'6" is rubbly core with rusty stains on fr. Most fr surfaces coated with chl.	Same as above.	At 360'8" is small 1/8" grain of galena(?) along py-filled fr.Small irreg fr healed by py+qtz(3-4/ft).	60°	0	4-6	
363	373	10	100	Same rock. No rusty stained fr. Minor chl films on many open fr surfaces.	Same as above.	Diss py content has decreased to almost 0%.Minor diss py-chl(1/16"cubes on fr.	20° 70°	0	2/2	
373	383	10	100	Same rock. 378'9"-378'11" is diss py-chl band at 80°(appears to be fr-controlled with lateral secretion). 5 healed fr with similar orientation at 389'11" to 380'2". These are 1/16"wide and filled with chl-py-yellow clay. 382-382'2" is med grey fg qtz-chl vein with gradational walls containing two 1/16" py stringers and 3 chl and yellow clay stringers(80°).Similar dark grey qtz-enriched zone at 382'4"(70°).	Same as above.	Almost 0% diss py.	50° 80°	1/5	3/2	
383	393	10	100	Same subporph rock type. 388'10"-389'1" is diss py-chl band with central seam of 1/4" yellow clay(70°). 390-390'1" is dark grey qtz-py enriched zone with indefinite walls(90°).	Same as above.	Mo smears on 3-40°fr.Almost 0% diss py.	70°	1/5	3-4	
393	402	8'6"	94	At 393' rock becomes fg eq. 395'2"-395'3" is dark grey qtz-py zone with gradational contacts at 70°. 397'8"-397'9" is some dark grey qtz-py zone with minor yellow clay(80°).	Bi 20-50% chlor.Larger plag grains wk kaol.	Stylolitic mo seams 1/32" at 396'6",397.397'4",398'.	30°	1/5	3-4	
402	405'6"	3'6" ?	?	At 402' is ground core and 2" rubbly zone(contact?). Mg-cg eq bi-bearing qtz monz. Same mode as fg rock but different texture Nature of upper contact uncertain. Lower contact is sharply gradational over 3". Slight foliation in this 3" zone perpendicular to c.a. This cg phase is much more rubbly and fractures more irreg than fg phase. 403'3"-403'8" is hornblende(?)-bi rich band(to 50%) with 5% diss py, mg eq.	More intense than in fg equivalent.All plag is pervasively mod kaol.Bi 70-100% chlor.Minor epid (?) on fr surfaces.	Diss py to 1%. 1/32"mo-filled fr at 403'11" and 405'.	irreg	0	2-3	
405'6"	415	9'6"	100	Fg eq bi-bearing qtz monz. More massive(less fractured than previous section). At 410'4" are two 1/32" chl-yellow clay filled seams at 80° separated by 1/4" dark grey qtz-rich zone.	Bi 20-50% chlor.Minor wk kaol of plag.	1/32" mo-filled fr at 412' 4" and 412'10".No diss py. Minor py associated with chl along fr. *5948	20°	1/10	4	

DRILL LOG

SHEET NO. 6 | 18

LOCATION	CO-ORDINATES	NORTH	EAST	ELEVATION

DATE STARTED	DATE COMPLETED	SURVEYS	HOLE SIZE	TOTAL DEPTH	HOLE NO.
			BQ		D.D.H. 75-1

DEPTH From	DEPTH To	CORE Length	CORE %Rec	LITHOLOGY	ALTERATION	MINERALIZATION	STRUCTURE F	STRUCTURE V/Ft	STRUCTURE F/Ft	Graph Log
415	425	10'	100	Same rock type. Chl + py smears on some fr.	Bi 20-30% chlor.Very wk kaol of plag.	Tr diss py (<.5%) in this interval. No mo.	20°	0	5	
425	435	10'	100	Same rock type. Chl + py + epid smears on some fr.	431-431'2" is epid rich pod, trend indeterminable.	427'9" and 432'6" are 1/8" mo-py veinlets,trend indeterminable.	30°	0	4	
435	445	10'	100	Same rock except slightly more fr. Chl + py smears on some fr.	Bi 20-30% chlor.Wk kaol of plag.	Only tr diss py.	20°	0	6	
445	449	4'	100	Same rock type. One 6" chl + py + bi rich gneissic zone from 445'6"-446'(mafics + py up to 50%). Zone is 60° to c.a. Lower 8" of interval is badly fr and rubbly. One dark grey qtz-py veinlet at 50° with gradational contacts.	Same as above.	---	20°	1/10	4	
449	456	8'	100	Core is blocky and ground. Same lithology as above. No evidence of faulting, smearing or veining.	Same a s above.	Tr diss py.	-	-	-	
456	466	?	90-95	456-456'8" core is ground. The remainder is massive and same rock type as above. Minor rusty staining on fr. At 461'6" is one 1/4" light grey barren qtz vein(30°) with sharp contacts.	Bi 50% chlor. Wk kaol of plag.	0 to tr diss py. One 1/32" mo-filled fr at 463'7"(70°).	30°	1/10	2	
466	476	10'	100	Same rock. At 469'6" is 2" fl-py-sph-tr mo vein at 60°(10% sph),sharp contact with wall-rock. At 470'3" dark grey silic zone with 30% diss 1-2mm py grains and 1/8" yellow clay seam along fr in centre(80°). At 471'10" is 2" bi-rich zone at 80°, bi is 20% chlor. No py, gradational contacts with this zone.	Same as above. NB -"yellow clay" seams noted previously are fresh or altered sec k-spar veinlets.	Two 1/16" py + yellow clay veinlets at 70° to c.a. at 471'5".Two 1/8" chl-yellow clay-mo veinlets at 80°.	30°	1/10	3	
476	486	1-'	100	Same rock. 476'9" is 1/2" diffuse chl-py band(50%)at 70°. 479' is 2"white aplite dyke(?) with minor stringers of chl and py(open space fillings) at 30°. Dyke trends 70°. 483'10" is 10" bi-chl-5% py zone with sharply gradational contacts at 60°. 485'2" is 6" healed fr zone, random fr healed with sec qtz-yellow clay-py-chl.	Same as above. Chl on many fr surfaces.	483' is 1/8" py-mo-fl-qtz veinlet(vuggy)at 35°.	50°	0	3	

#5948

DRILL LOG

SHEET NO. 7 | 18

LOCATION	CO-ORDINATES	NORTH	EAST	ELEVATION

DATE STARTED	DATE COMPLETED	SURVEYS	HOLE SIZE	TOTAL DEPTH	HOLE NO.
			BQ		D.D.H. 75-1

DEPTH From	DEPTH To	CORE Length	CORE %Rec	LITHOLOGY	ALTERATION	MINERALIZATION	STRUCTURE F	STRUCTURE V/Ft	STRUCTURE F/Ft	Gr L
486	496	10'	100	Same rock. At 487'2" is 1/8" k-spar veinlet. At 488' is 2" dark grey qtz-py silic zone at 50°, contacts gradational(no chl). At 489'6" is 1/8" qtz-ser veinlet with minor py at 60°. At 494'6" is 9" dark grey silic zone with sec k-spar in irreg patches and up to 20% diss py. No mo.	Same as above except plag is more kaol near silic zone.	<.5% diss py.	70°	1/5	4	
496	506	10'	100	496'8"-498'6" is med to dark grey silic zone containing 10-15% diss py and up to 5% diss sph. This silic zone continues to 499'10" but sph disappears within this zone. 503'7"-505' 6" is dark greenish grey silic zone with gradational contacts. Abundant sec qtz-k-spar and up to 20% py.	Plag is mod-st kaol.Up to 5% sec k-spar diss through rock.Bi 50% chlor + pink Mn mineral.	Sec silic zones.	30°	1/5	1-2	
506	516	10'	100	Same rock - fg eq qtz monz, bi 1-2%. 506'10" is 1" k-spar veinlet with dark grey qtz-mo selvedges at 70°. 507'4" is 11" vfg white aplite dyke, no mafics, indistinct contacts trend 60°, contains mo smears on two 70° fr surfaces. 508'6" is 5" sulphide-rich zone containing 10-15% diss py(+1-2% diss mo between 510'9"-511'3"). 5-20% sec diss k-spar from 513'-513'4" in crude vein trending 50°, tr sph associated with this k-spar. 515'3" is 2" dark greenish-grey qtz-k-spar zone with 10% py, irreg trend.	Bi 50% chlor. Wk kaol of plag.	See lithology.	60°	1/5	2	
516	526	10'	100	Same rock. At 518'6" is 1/4" zone of irreg trend with sec k-spar enrichment and small vug containing 1/8" euhedral qtz xtals and sph. 518'7" is 1/4" k-spar veinlet with 1/4" dark grey qtz-py selvedges. Gradational contact with wall-rock at 50°. 518'8" is 8" silic dark greenish-grey qtz-rich zone. 519'9" is 1/16" py-sph veinlet at 30°. 521'-522'7" gradational contact with slight increase in mafic content to 3-4% and increase in diss py to 2-3%. 523'9" is 1" dark greenish grey silic zone with 5% diss py and 1% sph at 60°. 524'3" is 1/2" white silic mafic-poor zone with two 1/16" veinlets of py in centre(40°).	Bi 50-100% chlor. Wk-mod kaol of plag.	See lithology.	30°	1/5	1-2	

#5948

DRILL LOG

SHEET NO. 8 18

LOCATION	CO-ORDINATES	NORTH	EAST	ELEVATION

DATE STARTED	DATE COMPLETED	SURVEYS	HOLE SIZE	TOTAL DEPTH	HOLE NO.
			BQ		D.D.H. 75-1

DEPTH From	DEPTH To	CORE Length	CORE %Rec	LITHOLOGY	ALTERATION	MINERALIZATION	STRUCTURE F	STRUCTURE V/Ft	STRUCTURE F/Ft	Graph Log
526	535	8'6"	94	Rock is vfg and silica-rich. At 526' is 1 1/2" vein containing 7% py and 1% sph. Vein is light green in colour(kaol plag and minor sec k-spar with 1/8" fl selvedge on one edge) This interval much better fr than previous interval. At 528-530' is st alt mafic + py-rich zone, plag is st kaol. Zone contains 5% py, minor mo and sph, tr diss fl, bi 100% chlor. 531'6" is 1" k-spar veinlet + minor py at 70°. 534-435' is broken rubbly zone.	Bi 70-100% chlor. Wk-mod kaol of plag.	See lithology.	50°	1/5	2-3	
535	546	4'	36	Well-fr and ground core in this interval. Rock type is very uniform. No mineralization or veining. Fg, bi-bearing(1%), eg gtz monz.	Bi 70-100% chlor. Plag wk kaol.	<.5% diss py.	irreg	0	12	
546	556	10'	100	Same rock. At 546'8", 547'4", 549' are 1/16" py veinlets with irreg qtz selvedges 1/4"wide at 80°. At 550'3" is 1/2" k-spar veinlet with 1/2" qtz selvedges gradational at 70°. Minor fr and qtz-ser enrichment along healed fr(1/2"wide). At 554'11" sec k-spar along 1/2"wide fr zone at 40°.	Bi 70-100% chlor. Large plag grains mod kaol.	<.5% diss py.	40°	0	2	
556	565	9'	100	Same rock. 556'6" is 3/4" py-mo-qtz-k-spar veinlet at 60°. At 559' and 560' are 1/16" py-cpy veinlets at 80° and 50°. At 560'3" is 1/4" py-cpy-k-spar veinlet at 80°. 562'4"-563' is gradational zone containing 5-7% diss mag and 5% py. Also sec qtz and irreg k-spar veinlets here. 563'1" is 1/8" sph veinlet at 60°(no gangue). 563'7"-564'5" are five 1/8" qtz-ser veinlets at 30°(healed fr).	Same as above.	See lithology. Tr diss py	70°	1/10	3	
565	575	10'	100	565'6" is 4" zone of diss py to 20%, plag in this zone is extensively kaol, minor diss sec k-spar. At 567'8" is 1/8" py-sph veinlet at 60°, has mafic-poor white silicic selvedge 1/2"wide on top and 1"wide k-spar filled bx zone below. At 569' 1" is 1/4" k-spar veinlet with 1/16" py selvedges at 80°. At 572'11" is 3/4" k-spar veinlet at 80°. Rock from 565'10"-573'6" is vfg bi-poor(.5%) silicic qtz monz. 573'6"-575' is mafic-rich zone(bi to 10%) with diss py(5%) and mag(1%). Gradational upper contact. Bi completely chlor.	Bi 100% chlor. Very wk kaol of plag.	See lithology. #5948	80°	1/10	2-3	

DRILL LOG

SHEET NO. 9 | 18

LOCATION	CO-ORDINATES	NORTH	EAST	ELEVATION

DATE STARTED	DATE COMPLETED	SURVEYS	HOLE SIZE	TOTAL DEPTH	HOLE NO.
			BQ		D.D.H. 75-1

DEPTH From	DEPTH To	CORE Length	CORE %Rec	LITHOLOGY	ALTERATION	MINERALIZATION	STRUCTURE F	STRUCTURE V/Ft	STRUCTURE F/Ft	Graph Log
575	584	9'	100	Mafic-rich zone continues to 577'4", gradational lower contact at 60°. 575'2" is 1/8" k-spar-py veinlet at 50°. 577'9"-578'4" is cg k-spar plag pegmatite zone, plag wk kaol, trend indeterminant. 578'6" is 1" zone of sec k-spar at 80°. 578'7"-end is fg eq bi-bearing(.5%) qtz monz. At 582'9" is 1/2" py-k-spar veinlet at 80°.	Bi 80% chlor. Wk kaol of plag.	No diss py. Tr py on fr.	60°	1/5	3	
584	590	6'	100	Vfg white bi-bearing(< .5%) qtz monz. At 585' is 1/4" sph-filled vug with minor py and euhedral qtz. Also 1/8" vein of fl at 60°.	Bi 80% chlor. Wk kaol of plag.	Tr diss py.	60°	0	4	
590	596	6'	100	Same rock. At 595'6" is 1/4" k-spar vein with 1/4" white qtz selvedges at 60°.	Same as above.	Same as above.	40°	0	1	
596	606	10'	100	Same rock. At 599' is py-rich zone(10%) with 1% sph, also contains 1/2" wide k-spar vein at 80°. 599'7"-601'4" is dark grey silic zone with sharp contacts(80°), large diss py xtals to 2mm and up to 5%, no mo. At 603'1" is 7" zone with 3 mo-filled fr(1/32"wide) at 70-80°.	Bi 80% chlor. Larger plag grains st kaol.	Same as above except as noted.	50°	1/10	4	
606	611	5'	100	606'6"-608' is badly shattered and broken silic zone(dark grey) with minor diss py. 608'-611' is dark grey silic zone with 3-5% diss py. Between 609'9"-610'2" rock is broken and clayey.	Much sec qtz flooding.	3-5% diss py.	40°	0	3	
611	621	10'	100	Normal fg eq bi-bearing qtz monz. 612'6"-613'6" is dark grey silic zone with minor k-spar and py veining. One 1/32" veinlet of py and galena(?) 615'4"-616'4" is dark grey silic zone with minor k-spar and py veinlets.	Bi 80% chlor. Plag wk kaol.	Tr sph between 612'6" and 613'6". At 619'2" and 619'5" are mo smears on fr surfaces.	70°	1/10	3	
621	631	10'	100	At 626'2" is irreg pod of ser and fl. At 627'4" is very thin py veinlet with 1/4" qtz selvedges at 50°. Same rock.	Bi 100% chlor. Larger plag grains kaol.	At 625' is one 1/4"py-qtz veinlet, dark grey qtz selvedges 1/2"wide on either side at 60°. At 629'4" is 1/8"fl-py veinelt at 60°. At 630'8" is 2"qtz-py-mo vein at 50° #5948	50°	0	3	

DRILL LOG

SHEET NO. 10 | 18

LOCATION	CO-ORDINATES	NORTH	EAST	ELEVATION

DATE STARTED	DATE COMPLETED	SURVEYS				HOLE SIZE	TOTAL DEPTH	HOLE NO.
						BQ		D.D.H. 75-1

DEPTH From	DEPTH To	CORE Length	CORE %Rec	LITHOLOGY	ALTERATION	MINERALIZATION	STRUCTURE F	STRUCTURE V/Fl	STRUCTURE F/Fl	Graph Log
631	638	7'	100	631' is 8" dark grey qtz-ser zone with 3% diss py at 50°. Same rock. 633' is 1" dark grey qtz-ser zone with irreg trend. 534-635'6" is dark grey qtz-ser zone with 3% diss py and gradational contacts. 636'3"-638' is dark greenish-grey qtz-ser zone with 5% diss py.	Plag completely kaol or seric in these zones.	- - -	60°	1/5	2	
638	644	6'	100	Host rock is vfg eq bi-poor(<1%) qtz monz. Badly broken rock from 638-641'.	No visible alt in vfg bi-poor qtz monz.	640'2"-641' is dark greenish-grey qtz-ser or kaol zone with 3% diss py. 640'4" is 1/4" py-sph-qtz-fl veinlet at 30°.	60°	1/10	2-6	
644	656	12'	100	Host rock is same. 644'1"-644'8" is dark greenish-grey qtz-ser zone, much(10-20%) py and minor(2%) sec k-spar. 646'-646'2" is qtz-ser zone, no k-spar.	Bi 100% chlor. Large plag grains st kaol.	651'6"-652' is qtz-rich zone with 1/4"mo seam at centre, trends 20°.	40°	1/10	3	
656	669	13'	100	Same rock. At 659'8" is greenish-grey qtz-rich irreg 2"zone. 660' is 1/2" qtz-py-mo-k-spar veinlet + dark grey sericite at 20°. 660'2" and 660'7" are mo-filled fr at 30°. 660'5" is 1/2"wide mo-py-filled fr with dark grey qtz selvedges at 30°.	Same as above.	658'11" is 1"dark greenish-grey qtz-py veinlet at 50°. 668'8"-669' is dark greenish-grey qtz-rich zone with irreg contacts.	40°	1/10	2	
669	679	10'	100	Same lithology except subporph texture, phenos to 4mm. 670'8"-673' is dark grey qtz-rich zone with gradational contacts. 674'8"-675'4" is dark grey qtz-flooded zone. At 675'3" is 1/16" mo veinlet at 70°.	Bi 100% chlor. Plag phenos st kaol.	Minor(<.5%) diss py. 671'2" is 1/8"mo veinlet at 60°. 672'8" is py-k-spar-mo veinlet 1/8"thick at 0°.	60°	1/10	3	
679	685	6'	100	Same subporph rock. 679'-680' rock is badly broken but unmineralized. 682'5"-683' is dark grey silic zone with minor k-spar veining and up to 50% py, gradational contacts. 683'8" and 684' are 1/8-1/4" dark greenish-grey silic veinlets along healed fr(10% py).	Same as above.	At 680'1" is one mo-filled fr.	60°	1/10	3	
685	696	11'	100	At 685'9" is gradation from subporph above to normal fg rock below. 691'6"-692'4" is dark grey silica-rich zone with gradational contacts and 10% diss py. Contains three 1/4" veinlets of k-spar-py-fl at 50°.	Bi 100% chlor. St kaol of large plag grains.	691'3" is 4"dark grey silic zone with 1/8"k-spar veinlet // to c.a. and 5% diss py. #5948	40° 60°	1/10	2-3	

DRILL LOG

SHEET NO. 11 | 18

LOCATION	CO-ORDINATES	NORTH	EAST	ELEVATION

DATE STARTED	DATE COMPLETED	SURVEYS	HOLE SIZE	TOTAL DEPTH	HOLE NO.
			BQ		D.D.H.75-1

DEPTH From	DEPTH To	CORE Length	CORE %Rec	LITHOLOGY	ALTERATION	MINERALIZATION	STRUCTURE F	STRUCTURE V/Ft	STRUCTURE F/Ft	Graph Log
696	710	14'	100	705' is gradation from fg to subporph. 699'8"-670'1" is dark grey silic zone with sec k-spar veinlets(1/8-1/4")with irreg trend, py to 5%, minor mo along fr. 707'2" is 1/2'white aplite(ghost) dyke with gradational contacts. 709' gradational from subporph to normal fg qtz monz.	Large plag phenos st kaol. Bi 100% chlor.	At 702'4" are 2 mo-filled fr with indeterminant trend.At 703'4" are 2 mo-filled fr at 40° and 70° along 2 dark grey silica zones.	50°	0	2-3	
710	718	8'	100	Normal fg eq bi-bearing(1%) qtz monz.	Bi 100% chlor.Large plag grains mod kaol.	At 715' are 2 mo-filled fr at 70°. At 716' is 1 mo-filled fr at 70°.	80°	0	2-3	
718	726	8'	100	Same as above.	Same as above.	- - -	70°	0	1-2	
726	736	10'	100	Same as above. At 728'10" is 1/4" py veinlet at 80°, also at 729'7". At 733'6" is 1/8"wide k-spar veinlet at 70°.	Same as above.	At 734'1" is 1 mo-filled fr at 80°.	70°	0	2-3	
736	746	10'	100	742'6"-744' rock is badly broken. 736'6" is 6" k-spar veined zone, somewhat vuggy with minor euhedral qtz and py, random trends on veinlets but most // to c.a. 737'9" and 738' are 1/8" k-spar-py veinlets at 30° and 80°. 736'6"-737'2" is dark grey silica-enriched zone,coincides with area of k-spar veining. At 739'4" is gradation into cg porph equivalent. 741'6"-742'2" is dark grey silica-enriched zone containing 30% py and tr cpy and mo. 745'3"-746' are three 1/16" k-spar veinlets at 60°.	Pervasive mod kaol of plag.Bi 100% chlor.	At 739'8"is 1 mo-filled fr at 70°.At 739'6" is one 1/16"veinlet of py-sph at 30°.	70°	1/10	3	
746	754	8'	100	Cg subporph to porph rock as above.	Same as above.	At 751'6" is 1/8" py-filled fr at 90°.At 753'8" is 1 mo-filled fr.	70°	0	4	
754	765	11	100	754-761'1" is cg eq rock with 3-5% bi. 761'1"-762'3" is dark grey completely altered py-rich(30%) zone, feld completely altered to clay, qtz and py unaffected. At 762'3" is mg lithology similar to above.	Pervasive alt. All plag mod-st kaol. Bi 100% chlor.	At 761'1" is 1/8" pink Mn vein + epid at 70°. 1% diss py. #5948	40°	1/10	3	

LOCATION	CO-ORDINATES	NORTH	EAST	ELEVATION	12	18
DATE STARTED	DATE COMPLETED	SURVEYS			HOLE SIZE	TOTAL DEPTH	HOLE NO.
					BQ		D.D.H.75-1

DEPTH From	DEPTH To	CORE Length	CORE %Rec	LITHOLOGY	ALTERATION	MINERALIZATION	STRUCTURE F	STRUCTURE V/Ft	STRUCTURE F/Ft	Graph Log
765	771	6'	100	765'-768' is mg lithology as above, gradational into normal fg lithology.	Bi 100% chlor.Wk-mod kaol of plag(especially large grains).	---	80°	0	2-3	
771	780	9'	100	Same fg lithology as above, massive.	Same as above.	---	40°	0	1	
780	786	6'	100	780-783'1" same as above, gradational into mg eq lithology. At 781' is 1/16" k-spar veinlet with 1/2" dark grey qtz selvedges at 30°.	Same as above.	---	80°	0	2	
786	799	13	100	Same mg lithology. At 786' is 1/2" qtz-ser veinlet. At 796' is 1/16" k-spar veinlet(+sph?) at 40°.	Same as above.	At 793'8" is 1 1/2"dark grey qtz vein with 1/8" py centre.At 788'6" is 1 mo-filled fr at 70°.	60°	1/10	2	
799	806	7	100	799' is fg eq bi-bearing qtz monz. 799'3"-799'10" is med-grey py-rich(5%) silica enriched zone.	Bi 100% chlor. Plag wk kaol.	At 801' are 4 mo-filled fr at 30°.	40°	1/10	2	
806	814	8	100	Fg subporph bi-bearing qtz monz. At 813'11" is one 1/16" k-spar-filled fr at 20°.	Same as above.	At 809'6" are 3 mo-filled fr at 80°.	30°	0	1	
814	825	11'	100	Same as above. Gradational to fg eq qtz monz at 817'8".	Same as above.	At 823'6" is 1 mo-filled fr at 80°.	40°	0	2	
825	836	11'	100	Same fg eq rock. At 827'9" is 1/8" k-spar veinlet at 30°. At 831'6" is 1/2" dark grey qtz-rich vein with 1/16" mo-filling in centre at 90°.	Same as above.	At 829' mo on one 30°fr.	80°	0	1-2	
836	846	10'	100	Same rock. At 842'7"-843'4" is irreg trending fg-mg(1mm is average size) mafic inclusion.	Bi 70% chlor. Large plag mod kaol.	At 836'1" are 3 mo-filled fr with indeterminant trend.Mo on 30° fr at 841'1",841'3",841'8".	30°	0	1-2	
854	861	7'	100	Same rock. Badly broken from 856-857' and 859'8"-860'.	Same as above.	At 855'6" is small irreg 1/8"py-mo-filled fr. #5948	30°	0	3-4	

DRILL LOG

SHEET NO. 13 | 18

LOCATION	CO-ORDINATES	NORTH	EAST	ELEVATION

DATE STARTED	DATE COMPLETED	SURVEYS	HOLE SIZE	TOTAL DEPTH	HOLE NO.
			BQ		D.D.H. 75-1

DEPTH From	DEPTH To	CORE Length	CORE %Rec	LITHOLOGY	ALTERATION	MINERALIZATION	STRUCTURE F	STRUCTURE V/Ft	STRUCTURE F/Ft	Graph Log
861	868	7'	100	At 863' gradational from subporph to fg eq rock with dark grey silic zones from 865'8"-866'. At 865'9" and 865'11" are 1/4" py-mo veinlets at 80°. From 864'6"-864'9" are irreg mo-filled fr.	Same as above.	At 867'8" is 1" qtz-py vein at 80°.	50°	0	4	
868	877	9'	100	Same rock - fg eq qtz monz. Core well-fractured. At 868'2" and 869'2" are 1/2" dark grey qtz-py-centred fr-fillings at 30°. 873-873'4" is dark greenish-grey silica-rich zone plus 10% py and much kaol.	Same as above.	Mo on 70° fr at 875' and 877'. At 844'and 844'10" are 1/8"veinlets of k-spar-py-cpy at 80°.	20-30°	0	6	
877	883	6'	100	At 880' is transition from normal fg to subporph qtz monz.	Bi 70% chlor. Mod kaol of large plag grains.	Mo on 30° fr at 881'and 883'.	50° 90°	0	2	
883	890	7'	100	Same as above.	Same as above.	Mo on fr at 885'and 885' 4" with clay-rich zone between.	30°	0	1	
890	898	8'	100	Same as above. 1/16" chl veinlets trending 30° at 895'9", 896'3", 896'5", 896'7".	Same as above.	- - -	30°	0	1-2	
898	905	7'	100	Same rock, 1/16" k-spar veinlets at 901'8"(20°), 902'6"(40°), 903'3"(90°), 904'10"(80°).	Same as above.	- - -	70°	0	1-2	
905	910	3'3"	65	905'2"-905'6" is dark greenish-grey py-rich(10%) silica-rich zone. At 907' is transition from subporph to fg eq qtz monz.	Same as above.	At 909'6" is one 1/8" py veinlet at 50°.	irreg	0	12-15	
910	919	8'6"	93	Same rock. Fg eq qtz monz. 910'-912' section is badly broken. 910-911' is med grey py-rich, qtz-rich zone with tr mo, irreg trend. 916'2" is 1 1/2"wide stockwork box filled with k-spar and py veinlets. No chl on fr in this section.	Bi 50-70% chlor.Zero to wk kaol of plag.	At 912' tr fl on 40° fr.	80°	0	4	
919	925	6'	100	Same rock. No fr-fillings of any kind.	Same as above. Most plag unalt.	At 923'8" is 1/32" mo-filled fr at 75°.	60°	0	3	

#5948

DRILL LOG

SHEET NO. 14 | 18

LOCATION	CO-ORDINATES	NORTH	EAST	ELEVATION

DATE STARTED	DATE COMPLETED	SURVEYS	HOLE SIZE	TOTAL DEPTH	HOLE NO.
			BQ		D.D.H. 75-1

DEPTH From	DEPTH To	CORE Length	CORE %Rec	LITHOLOGY	ALTERATION	MINERALIZATION	STRUCTURE F	STRUCTURE V/Ft	STRUCTURE F/Ft	Graph Log
925	932	4'8"	70	Same rock. 926'2-929'2" rock is badly broken. 928'6" is k-spar smear on 85° fr.	Same as above.	- - -	70°	0	12	
932	942	?		Same rock. Fg eq bi-bearing qtz monz. Badly broken core from 932'934'3" and 934'11"-937'3" and 939'8"-940'5" is one 1/4" k-spar-mo veinlet at 90°.	Bi 70-100% chlor.Plag is wk-mod kaol.	At 940'8" is 1 mo-filled fr at 40°.	irreg	0	24	
942	952	10'	100	Same rock. Minor chl smears on fr.	Bi 70-100% chlor.Large plag grains st kaol and surrounded by thin white (albite or k-spar)rims.	At 943'8" py and hematite on fr with 1/4"dark grey qtz selvedges on each side at 50°.	irreg	0	12	
952	963	11'	100	Same rock except bi is 3-4%. Minor healed fr from 954-955'6" filled with chl ± k-spar at 30°. At 958' is 1/2" py-ser-qtz veinlet at 90°.	Same as above.	At 956'6" mo on one 30° fr. At 955'6" mo on one 80° fr.	20° 80°	0	1-3	
963	974	11'	100	Same rock. No chl or other fr-fillings.	Same as above.	From 964'6"-966' are 4 mo-py filled 70° fr.	irreg 70°	0	24 1	
974	984	10'	100	Same rock. From 980'4"-981'9" 1/4" dark grey silica-rich veinlets with tr mo(py-qtz-mo at 70° and // to c.a.)	Bi 100% chlor.Wk-mod kaol of plag.One grain altered to muscovite.	- - -	50° 80°	0	1-2 2-3	
984	994	10'	100	Same rock.	Same as above except no muscovite.	At 990' is 1/2" diss mag seam(20% mag) at 40°.	irreg	0	4-10	
994	1007	13'	100	At 997'6" is transition to subporph variety. At 995'4" is 1/8" k-spar-py veinlet at 50°.	Bi 70% chlor. Plag phenos mod-st kaol.	Mo on two 70° fr at 994' 5" and 994'9". Mo on one 30° fr at 1002'4".	30°	0	1-2	
1007	1017	10'	100	Fg subporph variety. At 1012' is 1"dark grey silicic zone bordering 1/16" k-spar-filled fr(5% diss py) at 30°. 1015'3"-1016' is light grey silicic aplite(?) zone with 5% diss py.	Same as above.	- - -	50°	0	3	

#5948

LOCATION	CO-ORDINATES	NORTH	EAST	ELEVATION	SHEET NO. 15 18
DATE STARTED	DATE COMPLETED	SURVEYS		HOLE SIZE: BQ	TOTAL DEPTH	HOLE NO. D.D.H. 75-1

DEPTH From	DEPTH To	CORE Length	CORE %Rec	LITHOLOGY	ALTERATION	MINERALIZATION	STRUCTURE F	STRUCTURE V/Ft	STRUCTURE F/Ft	Graph Log
1017	1025	8'	100	At 1020' is transition to fg normal variety. At 1020'5" is 1/8" k-spar veinlet with centre of sph and py at 10°.	Bi 50% chlor.Plag unalt or wk kaol.	- - -	60°	0	2	
1025	1036	11'	100	From 1025'6"-1035'6" is very mass cg pegmatitic zone, large k-spars to 5cm(50%), remainder is plag and fg bi, minor qtz. Pegmatite is 60° to c.a. 1035'6"-end is normal fg eq lithology.	Very modest alt.Wk kaol of plag.Bi 50% chlor.	Only very minor py along fr.	40°	0	3	
1036	1049	13'	100	Fg eq bi-bearing qtz monz, very mass. From 1044'6"-1045'3" is dark grey silic zone with 2" clay-rich "washed-out" zone in centre.	Same as above.	Mo on one 90° fr at 1042'7", on one 40° fr at 1044' on one 20° fr at 1049'.	30°	1/10	4	
1049	1059	10'	100	Same rock. At 1055' is 3" greenish-grey silic zone with 1/2" qtz-mo-py zone in centre at 70°.	Same as above.	- - -	70°	0	1-2	
1059	1069	10'	100	Same rock. At 1060'2" is 2" greenish-grey silic zone with 1/8" qtz-py seam in centre at 90°.	Same as above	Mo on 1/16" fr at 1061' and 1061'2"(50°).	60°	0	2	
1069	1078	8'	90	Same rock. From 1069'-1070' is badly broken rock.	Bi 50% chlor.Wk kaol of plag.	Mo on 1/16" fr at 1076' and 1076'4"(70°).	40°	0	6	
1078	1089	11'	100	Same rock. At 1086'6" is 1/2" greenish-grey silic zone at 60°.	Same as above	- - -	40°	0	6	
1089	1099	10'	100	Same rock. At 1092'8" is 1/2" greenish-grey silic zone with 1/4" qtz-py-cpy-filled centre at 20°. At 1093' is 1/2" greenish-grey silic zone with 1/8" qtz-py-mo centre at 20°.	Same as above.	Mo on 1/16" fr at 1090' (60°). Mo on 1/16" fr at 1094'8" and 1094'9"(40°).	irreg	0	1-2	
1099	1109	10'	100	Same rock. 1099'-1101' is badly broken rock.	Same as above.	At 1108'6" is 1/16" mo-filled fr at 70°.	irreg	0	12	
1109	1119	10'	100	Same rock. 1117'6"-1117'9" is dark grey vfg silic zone with irreg k-spar veinlets with py centres at 40°.	Same as above.	- - -	irreg	0	12	
1119	1129	1-'	100	Same rock. At 1122'8" are two 1/16" ser veinlets at 50°.	Same as above	At 1119' is 1/2"dark grey qtz-py vein(trend indeterminant. #5948	60-70°	0	1	

DRILL LOG

SHEET NO. 16 | 18

LOCATION	CO-ORDINATES	NORTH	EAST	ELEVATION

DATE STARTED	DATE COMPLETED	SURVEYS	HOLE SIZE	TOTAL DEPTH	HOLE NO.
			BQ		D.D.H. 75-1

DEPTH From	DEPTH To	CORE Length	CORE %Rec	LITHOLOGY	ALTERATION	MINERALIZATION	STRUCTURE F	STRUCTURE V/Ft.	STRUCTURE F/Ft	Grop Lo
1129	1138	9'	100	From 1129'1134' is same rock type. From 1134-1136' is dark grey qtz-rich zone with 5% diss py and tr mo along fr. 1136-1138' is normal fg eq bi-bearing qtz monz.	Bi 70% chlor. Plag is wk kaol.	At 1137' is 1/16" qtz-py-mo-filled fr at 0°.	irreg 50°	vg 0	2-6	
1138	1149	11'	100	Same rock. Core badly broken from 1137-1141', also from 1142' 8"-1144'2". Transition to subporph lithology at 1144'6". At 1147'6" is ser-coating on 80° joint surface.	Same as above.	Mo on one 0° fr at 1141' 6" and on one 50° fr at 1147'2".	50°	0	2	
1149	1156	7'	100	Fg eq bi-bearing(2%) qtz monz.	Bi 50-70% chlor. Plag very wk kaol.	Mo on 1/16-1/8" fr ± py at 1152'9"(70°), 1153'9" (20°), 1155'2"(10°).	vari-able	0	3	
1156	1166	10'	100	Same rock type. Most open fr are bordered by slightly darker grey selvedges 1/4"wide on each side, caused by slight silica enrichment + 1-2% diss py.	Same as above(nearly unalt).	Mo-py on 1/16"fr at 1162' 6"(90°). Mo on 1/32" fr at 1162'8"(0°).	40°	0	1-2	
1166	1176	10'	100	Same rock. At 1171'10" is 2" vfg greenish-grey qtz-rich zone with 1% diss py. At 1174'6"-1175'4" is greenish-grey silica-rich zone with 1-2% py and tr mo.	Same as above.	Mo on fr at 1169'8"(30°). Mo-ser on 90° fr at 1171'.	30°	0	2	
1176	1189	13'	100	Same rock. At 1181' is 1/4" k-spar-py vein at 25°. From 1184-1184'4" is dark greenish grey silica-rich zone with 1% py.	Same as above.	Mo on one 80° fr at 1186'	40°	0	4	
1189	1198	10'	100	Same rock. At 1193' is slight silica enrichment with fl over 2". 1196-1196'8" is greenish-grey qtz-rich zone with 5% py.	Same as above.	- - -	60°	0	2	
1198	1211	13'	100	Same rock except from 1204'-1204'8" is cg pegmatite(similar to 1032'except no mafics). At 1204'8" is fg eq bi-bearing qtz monz(bi 102%). At 1206' is 1/2" qtz-py vein at 30°. At 1206' 10" is irreg py-ser"vug"(4"x1").	Same as above.	- - -	30°	0	2	
1211	1219	8'	100	Same rock. At 1216' rock becomes subporph fg. At 1213'8" is 2" zone of 1/8" qtz-ser-py veins at 50°. At 1216'3" is ser on 50° fr. From 1218'9"-1219'9" is greenish-grey qtz-rich + chl + k-spar zone(5% py), also minor ser and tr mo.	Same as above.	- - - #5948	80°	1/10	2	

DRILL LOG

SHEET NO. 17 18

LOCATION	CO-ORDINATES	NORTH	EAST	ELEVATION

DATE STARTED	DATE COMPLETED	SURVEYS	HOLE SIZE	TOTAL DEPTH	HOLE NO.
			BQ		D.D.H. 75-1

DEPTH From	DEPTH To	CORE Length	CORE %Rec	LITHOLOGY	ALTERATION	MINERALIZATION	STRUCTURE F	STRUCTURE V/Ft	STRUCTURE F/Ft	Graph Log
1219	1227	8'	100	Same subporph type.	Same as above. Bi 0-50% chlor. Plag very wk kaol	- - -	70-80°	0	2-3	
1227	1235	6'6"	81	Same rock. 1227'8" is dark grey silica-rich zone with py to 30%. K-spar-py-sph veinelts at 1235'2"(50°). This interval contains ser on fr, all rock is badly broken here. 1232'10"-1233' is k-spar-py-sph veinlets(irreg trend). At 1233' rock becomes fg eq.	Same as above.	Mo on one fr at 1233'2".	irreg	1/8	12-24	
1235	1246	6'	55	Same fg eq rock. From 1244'-1245' is dark greenish-grey silic zone with abundant ser on fr (5% py).	Same as above.	- - -	30°	1/6	3-4	
1246	1255	9	100	Same rock. 1248'10" is 4" dark greenish-grey vfg silica-rich zone with 10% py(euhedral grains up to 2mm). 1250'6" is 2" irreg k-spar-fl-py zone at 30°, 2" border on each side of dark grey qtz-rich rock.	Same as above.	- - -	40°	1/9	6	
1255	1261	6'	100	Same rock. From 1255'2"-1255'8" is sheared and clayey zone at 20°.	Same as above.	Mo on 20° fr at 1256'4".	60°	0	2	
1261	1263	2'	100	Same rock, badly broken.	- - -	- - -	-	-	-	
1263	1271	8'	100	Same fg eq rock.	Same as above.	Mo on fr at 1264'(40°),on two fr at 1264'6"(70°), on one fr at 1269'8"(70°)	50°	0	3	
1271	1281	10'	100	Same rock type (bi 1%). At 1275' is 1" dark grey qtz-py-rich zone, mo along central fr at 20°.	Same as above(overall very wk).	Mo on one 80° fr at 1273' 8".	60°	0	2	
1281	1291	10'	100	Same rock type. At 1289' is 1/2" greenish-grey qtz-py-rich zone at 30°.	Same as above.	- - -	30°	0	3-4	
1291	1300	9'	100	Same rock type.	Same as above, except large plag grains wk kaol.	# 5948	60°	0	3-4	

DRILL LOG

SHEET NO. 18 | 18

LOCATION	CO-ORDINATES	NORTH	EAST	ELEVATION

DATE STARTED	DATE COMPLETED	SURVEYS	HOLE SIZE	TOTAL DEPTH	HOLE NO.
			BQ		D.D.H. 75-1

DEPTH From	DEPTH To	CORE Length	CORE %Rec	LITHOLOGY	ALTERATION	MINERALIZATION	STRUCTURE F	STRUCTURE V/F	STRUCTURE F/F	Graph Log
1300	1314	14'	100	Same rock type, core is fairly mass. 1302'-1302'9" is dark grey qtz-rich zone with white clay seam(1/8-1/4" at 80°) in centre. Diss py to 30% and tr sph. 1306'8"-1307'6" is dark greenish grey py-mo-rich zone,diss py to 20%.	Same as above.	At 1301'4" is 1/2" py-cpy sph-qtz veinlet at 80°, bordered on lower side by 4" dark grey qtz-rich zone. At 1305-1305'8" is vfg qtz-mo-py-rich zone (1% mo).	70°	1/7	1-2	
1314	1324	10'	100	Same rock, very mass. At 1323' is transition to subporph mafic-rich(3%) phase. Overall the rock has very fresh appearance.	Bi 0-50% chlor. No alt of plag.	None.	60°	0	1	
1324	1337	13'	10	Same rock, very mass. 1/4-2" bi-qtz-rich bands(igneous) at 1323'8"(50°), 1324'6"(50°) and 1325'7"(70°).	1/16-1/8" ser ± py fr fillings at 1324'(30°), 1328'(40°), 1329'(40°), 1333'(70°). Diss ser as alt of bi.	Mag bands at 1324',1325', 1326'.	40°	0	1	
1337	1353	16'	100	Same rock as above to 1352'2". At 1340' is 6" zone with 1" k-spar rim(cg) with centre of cg qtz-bi-ser(bi unalt). 1342'3"-1342'10" is zone of eight 1/4" py-ser veinlets at 60°.	1/4" ser veins at 1339'8"(60°) and 1341'8"(70°) Same as above.	At 1338'6" is 1" zone of irreg mo-filled fr.Zone trends 30°.	80°		1	
1353	1362	9'	100	Same rock type. 1352'2"-1353'7" is dark grey silic zone(15% py), tr mo on irreg fr. 1353'7" is 7" fg eq zone. 1354'2" is 24" dark grey silic zone with 10% py and tr irreg k-spar veinlets and tr mo on a few fr.	Same as above.	- - -				
1362	1373	11'	100	Same rock type. 1363'2"-1364' is dark grey qtz-rich py-rich (15%) zone with tr mo on fr. At 1367'4" is transition to subporph variety.	Bi 0-30% chlor. Plag unalt. Diss ser 5%.	- - -				
1373	1381	8'	100	Same subporph rock type as above.	Very wk kaol of plag. Bi 10-40% chlor.	- - -	40°	0	3	
				END OF HOLE		≠5948				

DRILL LOG

SHEET NO. 1 of 30

LOCATION	CO-ORDINATES	NORTH	EAST	ELEVATION
SALAL CREEK				7245'

DATE STARTED	DATE COMPLETED	SURVEYS						HOLE SIZE	TOTAL DEPTH	HOLE NO.
Sept. 11/75	October 2/75	Top of casing	-56°30'	approx 180°				NQ	2252 Ft	D.D.H. 75-2

DEPTH From	DEPTH To	CORE Length	CORE %Rec	LITHOLOGY	ALTERATION	MINERALIZATION	STRUCTURE F	STRUCTURE V/Ft	STRUCTURE F/Ft	Graph Log
0	75			Overburden - till and talus						
75	114			N. casing (triconed): no core						
114	120	6	100	Fg gen eq qtz monz with approx 3% bi. Minor(2%) plag phenos up to 3mm, also minor irreg zones of 10% bi and ser(?) which are slightly magnetic.	Wk-mod kaol of plag phenos; 10% bi wk chlor.	Fg diss py and limonite, fg-mg py on fr. Total py approx 1%. Tr diss fg mag(?)	40-50° 20-25°	0	9-10	
120	130	10	100	Fg eq to subporph qtz monz with phenos of qtz and plag up to 4mm. Bi 3% but up to 10% in minor irreg zones.	Wk-mod kaol of plag phenos and spotty alt of bi to chl.	Diss purple mineral(fl?) within high bi zone. Py up to 3% gen on fr. Fe stain on most fr. At 124' is 5mm thick qtz-mo veinlet 20° to c.a.	25° 45° 75°	0	10	
130	140	10	100	Same rock - broken core with minor gouge and Fe stain on most fr; minor thin qtz veining at 10-15° to c.a. Bi approx 1-2%.	Kaol of gm is wk pervasive. 5-10% bi is chlor.	Mo slip at 45° and one qtz-mo veinlet at 60°. Py is mg, fr-fill xtals and fg diss - approx 2%.	30° 40° 60°	<1	12-13	
140	150	10	100	Same rock - qtz phenos more evident and kaol feld phenos less evident however. Bi 1-2%, minor chl as fr-fill. 1-2+% qtz phenos up to 3mm.	20% bi is wk chlor. Wk pervasive kaol of gm. Chl common on 40° fr.	Fg py(1%) diss on fr. Mn also on fr. Fl on 1 fr // c.a.	0 20° 40° 75°	0	15	
150	160	9	90	Same rock - relatively solid core, feld phenos once again evident, qtz phenos minor, bi 1-2%, chl on 50% of fr, also minor Fe stain.	20% of bi is wk chlor. Wk-mod kaol of feld phenos. Wk pervasive kaol of gm.	Py <1% on fr and diss. One grain of mo on dry fr. Fl evident on 1 fr.	10° 25° 40° 55°	0	8-9	
160	170	9'6"	95	Same rock - very minor thin barren qtz veining. Qtz and feld phenos make subporph texture bi 1-2%.	Wk-mod kaol of feld phenos and gm. 50% of bi is chlor, chl on 50% of fr.	Py <1% as fg aggregates on fr. 2 mo smears on dry fr. #5948	40° 60°	0	9-10	

DRILL LOG

SHEET NO. 2 of 30

LOCATION SALAL CREEK	CO-ORDINATES	NORTH	EAST	ELEVATION

DATE STARTED	DATE COMPLETED	SURVEYS	HOLE SIZE	TOTAL DEPTH	HOLE NO.
			NQ		D.D.H. 75-2

DEPTH From	DEPTH To	CORE Length	CORE %Rec	LITHOLOGY	ALTERATION	MINERALIZATION	STRUCTURE F	STRUCTURE V/Ft	STRUCTURE F/Ft	Graph Log
170	180	10	100	Same rock - bi 1-2%; feld phenos and minor qtz phenos make subporph texture. Minor local zones of bi up to 10%(chlor). At 171' and 179' are qtz veinlets approx 2mm wide at 35° to c.a. with xtals of black submetallic mineral.	Mod-st kaol of feld phenos, 50% of bi mod chlor. Chl is prev on 60% of fr.	Py ≪1% with mo on fr. 3 such fr-fill noted.	25° 55°	<1	9	
180	190	9	90	Same subporph qtz monz, bi 1-2%. At 188'6" is silic zone, back into non-silic, pitted qtz monz with diss py at 190'. 4" wide zone at 180'3" and 18" wide zone at 184' of totally kaol rock (fault or gouge zone).	50% of bi is mod chlor. Wk-mod kaol of minor feld phenos. Chl prominent on fr.	Fg to mg py and minor cpy on fr, very minor diss, total=1%. Mo on 4 fr with chl or py.	10° 45° 60°	0	13	
190	200	10	100	Same rock - bi 1-2%. From 190' is zone of more porph rock (qtz phenos prominent) with diss py up to 3%. Rest of section is subporph. Relatively solid core with minor chl on fr.	20% of bi is chlor, wk kaol of feld phenos, wk pervasive kaol of gm.	Fg py <1% diss along fr.	45° 15	0	7	
200	210	10	100	Gen same rock but porph texture more evident with qtz and feld phenos up to 4mm comprising 20-25% of rock. Bi 1-3%, chl prev on fr and microfr. 6" of cave at 208'.	Mod kaol of feld phenos, 80% of bi is mod chlor.	Mo-qtz-py vein approx 5mm wide at 70°, minor mo with chl on fr. Py is fg diss and fr-fill 1-2%.	5° 30° 60°	<1	7	
210	220	10	100	Porph texture continues to 217' then into eq fg qtz monz. Bi 1-2%, at 219'6" and 220' are zones of increased bi. Chl mod prev on fr. Minor qtz veining and fr-fill with xtals of qtz.	Wk-mod kaol of feld phenos. 30% of bi is mod chlor.	1% fg diss and fr-fill py. Between 217' and 220' are 5 mo-coated fr + py and chl. Minor Mn on fr.	0 40° 70°	<1	7	
220	230	10	100	Fg eq to subporph texture, bi 1-2%, chl is mod prev on fr.	Wk-st kaol of feld phenos. 60% of bi is mod-st chlor.	1% fg diss and fr-fill py with chl. Mo on 8 fr (5°, 50°, 70°) with chl and/or py or as vfg diss on dry fr.	25-30° 40-50°	0	7-8	
230	240	10	100	Same rock - bi 1-3%, qtz veinlets up to 5mm wide evid, also small pervasively silic zones. Mo increases.	50-60% of bi is mod chlor. Wk-mod kaol of feld phenos. At 234' and 239' are small zones of silic.	<1% fg py diss and on fr. 14 occurrences of mo either as smears 60° to c.a. or on dry fr. #5948	0 30° 45° 60°	1	7-8	

DRILL LOG

SHEET NO. 3 | 30

LOCATION	CO-ORDINATES	NORTH	EAST	ELEVATION

DATE STARTED	DATE COMPLETED	SURVEYS	HOLE SIZE	TOTAL DEPTH	HOLE NO.
			NQ		D.D.H. 75-2

DEPTH From	DEPTH To	CORE Length	CORE %Rec	LITHOLOGY	ALTERATION	MINERALIZATION	STRUCTURE F	STRUCTURE V/Ft	STRUCTURE F/Ft	Graph Log
240	250	10	100	Same rock - bi 1-3%, chl mod prev on fr. At 249' is small section of 10% fresh bi and pink k-spar.	Very minor silic env. Wk kaol of feld phenos, mod kaol along some fr. Bi is mod chlor.	1% fg py diss and on fr with chl. 8 occurrences of mo as weak smears or on dry fr 60° to c.a.	0° 20° 60° 70°	0	6-7	
250	260	9'9"	98	Same rock - bi 1-2%. Chl and yellow clay mod prev on fr. Minor ser and epid in thin veins with qtz. Mo gen sparse on fr.	90% of bi is mod-st chlor. Wk to mod kaol of feld phenos.	Mo on smears, as fg diss on dry fr, 9 occurrences in all. 1% py in qtz veins and with chl on fr.	30° 50°	<1	9	
260	270	10	100	More porph section - qtz and feld phenos up to 20% locally. Bi 1-3% (one 6" zone of 10% bi gradational to rest of rock) chl mod prev but yellow clay less prev on fr. Minor qtz veining.	Mod kaol of feld phenos, 20% of bi is chlor.	1% py as fr-fill with chl and Mn. 8 occurrences of mo generally sparsely diss on fr with chl. At 263' mo on 2 intersecting dry fr 55° and 45°.	20° 50° 60°	<1	8-9	
270	280	10	100	Gen fg subporph but from 272-275' is coarsely porph section (qtz-feld phenos up to 6mm in size comprise 50%). Relatively solid core. Bi 2-3%. Chl prev on fr, minor clay. Porph contact gradational over 2" at approx 35° to c.a.	Mod-st kaol of feld phenos. 30% bi is wk chlor.	< 1% py on fr. 1 mo-qtz py veinlet at 278' and 60° to c.a. Minor red limonite with chl of fr.	30° 60°	0	5	
280	290	9'6"	95	Fg eq to subporph qtz monz. From 281'6" to 282'6" is clayey gouge zone, adjacent rock is well-fr and chlor. Bi 2-3%, chl and/or black clay smears prev on fr.	Wk-mod kaol of feld phenos, also mod pervasive yellow clay alt. 30% bi is wk chlor.	Py << 1% on fr with chl. Very minor mo (2 dry fr noted).	25° 50-60°	0	7	
290	300	10	100	Subporph qtz monz, gen fg - bi 2-3%, thin barren qtz veinlets (1/ft). Solid core.	Mod kaol of feld phenos. 20% bi is chlor.	Py << 1% on fr. Mo on 2 smears and sparsely diss on one dry fr.	20° 50°	1	7	
300	310	10	100	Same rock but bi increases from 2-10% near end of section. Fr // core contain chl, Mn and py, up to 7 of these fr across the width of the core. Thin qtz-mo veinlet cut and displaced by 45° chl and clay-filled fr. Minor clay gouge at 304'.	Wk kaol of feld phenos, chl prev on fr, yellow clay also prev near end of section. 50% of bi is chlor.	< 1% py as vfg diss and on fr. Mo in one qtz-mo veinlet at 40° and diss on one fr with py at 50°. #5948	25° 40° 60°	0	8-9	

DRILL LOG

SHEET NO. 4 30

LOCATION	CO-ORDINATES	NORTH	EAST	ELEVATION

DATE STARTED	DATE COMPLETED	SURVEYS				HOLE SIZE	TOTAL DEPTH	HOLE NO.
						NQ		D.D.H. 75-2

DEPTH From	DEPTH To	CORE Length	CORE %Rec	LITHOLOGY	ALTERATION	MINERALIZATION	STRUCTURE F	STRUCTURE V/Ft	STRUCTURE F/Ft	Graph Log
310	320	10	100	Same rock - increased bi section extends to 312' and has sharp 35° contact with bi-poor rock (upper contact was irreg). Silic increases with coarse sec qtz in the bi-rich section and thin predominantly barren qtz veinlets in the rest. Chl prev on fr, offset fr with mo.	Wk silic, wk kaol of feld phenos, yellow clay mod perv, 50% of bi is chlor.	Mo on 2 joints, on 3 fr with chl, on 4 dry fr. <1% py on fr. Minor fl on 1 fr with chl.	5° 40° 60°	1-2	7-8	
320	330	10	100	Same rock - yellow clay prev on fr with py. Small band of high bi/py at 321'. Small bx zone from 322'6"-322'9" followed by mo in dry fr (3/ft). Thin barren qtz veinlets and small zone of silic at 328'. Bi 2-3% elsewhere. 4" gouge zone at 326'6".	80% of bi is chlor (decreases at end of section). Wk-mod kaol of feld phenos. Minor silic. Chl and yellow clay mod prev on fr.	Mo on 4 dry fr at 50°. 1% py as fg diss and coarser grain fr-fill.	0° 30° 60°	1	7	
330	340	10	100	Same rock - slightly more porph. Bi 2% but increases toward end of section to 5%. Thin barren qtz veinlets up to 4mm wide increases from 1-3/ft toward end. Chl not prev on fr but fine clay mod prev.	Wk kaol of feld phenos, mod pervasive yellow clay alt of gm. 50% of bi is chlor.	Minor mo on 2 smears. <1% py as diss along fr.	0° 35-40° 55°	1-3	7	
340	350	10	100	Bi-poor section until 345' then irreg contact with bi/py zone approx 2' wide. At 340'6" is 2" wide section adjacent to 60° clay gouge which contain mo in stockwork plus py, cpy, and fl. In the bi-rich section rock is almost mg.	Wk-mod kaol of feld phenos, wk pervasive yellow clay atl. 50% of bi is chlor.	Besides small section at 340'6" only 2 mo smears noted. Py 1-2% diss and fr-fill.	5° 30° 60°	<1	8	
350	360	10	100	Same rock - bi 1-3%, becomes more porph from 356' to end. Qtz phenos more evid. Minor qtz veinlets. Minor chl on fr, some Mn and red-brown mineral.	Mod kaol of feld phenos. Minor yellow clay on fr 30% of bi is chlor.	Minor mo on smears (2) and one dry fr. Py <1% gen on fr.	20° 60°	0	6-7	
360	370	10	100	Porph nature continues with qtz and feld phenos up to 4mm comprising 20-30%. Bi 1-3%. Chl ± py and minor k-spar mod prev on fr. Minor thin qtz veinlets.	Wk kaol of feld phenos. 50% of bi is chlor.	Mo on 2 smears and 1 veinlet (mo in veinlet and partially diss in adjacent rock. Py < 1%.	20° 60°	0	6	
370	380	10	100	Porph texture decreases to subporph at end of section: Bi 1-2%. Chl not evid on fr.	Mod kaol of feld phenos, wk-mod pervasive yellow clay in gm. 50% of bi is chlor.	From 376-377' are 6 fr with mo+py. 1 mo smear at 380'. Py 1%. #5948	20° 70°	<1	6	

DRILL LOG

SHEET NO. 5 | 30

LOCATION	CO-ORDINATES	NORTH	EAST	ELEVATION

DATE STARTED	DATE COMPLETED	SURVEYS	HOLE SIZE	TOTAL DEPTH	HOLE NO.
			NQ		D.D.H. 75-2

DEPTH From	DEPTH To	CORE Length	CORE %Rec	LITHOLOGY	ALTERATION	MINERALIZATION	STRUCTURE F	STRUCTURE V/Ft	STRUCTURE F/Ft	Graph Log
380	390	10	100	Same rock - subporph qtz monz; porph texture increases toward end of section. Very minor qtz-healed fr. Gouge zone from 381-381'6". Bi 1-3%.	Pervasive yellow clay alt of gm. Wk-mod kaol of feld phenos. 30% of bi is chlor.	Py 1-3%, fg to mg diss and fr-fill. Mo on fr at 60° with fg py, 2 mo smears noted.	20° 70°	<1	7-8	
390	400	10	100	Same rock - subporph to porph. Bi 1-2%, from 399-400' is zone of increased bi and diss py.	Wk-mod kaol of feld phenos. 30% of bi is chlor.	From 399-399'6" are mg-cg py - qtz veins ± mo. Zone ends where bi increases. fl on 5° fr. Py 1-2%.	5° 45° 20°	<1	6-7	
400	410	10	100	Same rock - subporph to porph, predominantly qtz phenos. Yellow clay on some fr with xtals of py. Bi 2%.	Mod kaol of feld phenos 50% of bi is chlor.	Fl and minor mo on 15° fr at 402'. Mo on 2 smears. Py 1% fr-fill and some mg diss.	15° 70°	0	5-6	
410	420	10	100	Same rock - becomes less porph towards end of section. Qtz-ser ± py veinlets evid, some with small silic env. Veins up to 2cm wide. Bi 2%.	Silic immediately adjacent to veinlets. Modst kaol of feld phenos. Yellow clay mod prev on fr. 30% bi is chlor.	Mo in qtz-ser veins and on smears (2/ft). 1% py.	30-35° 45° 65°	1-2	6-7	
420	430	9'9"	98	Subporph rock has relatively sharp contact with eq fg bi-rich qtz monz at 420'6". This rock goes to 426' where 6" cave zone occurs, then back in bi-poor subporph. Bi-rich rock has some 2" wide zones of cg sec qtz.	Wk-mod kaol of feld phenos. > 50% bi is chlor.	Py and minor Cpy diss and fr-fill in bi-rich zone (1-2%). No mo.	5° 45° 30°	<1	6	
430	440	10	100	Same subporph - silic adjacent to veinlets evid. Qtz-ser veinlets ± mo, py, fl(1/ft). Chl mod prev on 5° fr. Clay gouge(?) zone from 435-436'.	Wk kaol of feld phenos. 50% of bi is chlor.	Py± cpy diss and on fr(1%). Py, mo, fl in qtz-ser veinlets. Mo on dry fr and with py.	5° 25° 75°	<1	7	
440	450	10	100	Same rock. From 440-449' are minor silic env. At 449' is mod silic and yellow clay alt along fr. Bi 1-3%.	Minor silic env. Wk kaol of feld phenos. <50% of bi is chlor.	From 440-449' no mo but minor fl on 20° fr. < 1% py. From 449-450' mo on 4 fr(with py or dry).	20° 45°	<1	6-7	

#5948

DRILL LOG

SHEET NO. 6 30

LOCATION	CO-ORDINATES	NORTH	EAST	ELEVATION

DATE STARTED	DATE COMPLETED	SURVEYS	HOLE SIZE	TOTAL DEPTH	HOLE NO.
			NQ		D.D.H. 75-2

DEPTH From	DEPTH To	CORE Length	CORE %Rec	LITHOLOGY	ALTERATION	MINERALIZATION	STRUCTURE F	STRUCTURE V/Ft	STRUCTURE F/Ft	Graph Log
450	460	10	100	Same rock - 6" cave at 452'. Bi 1-2%. Small silic env(1-3" wide) at 451', 457' and 459'.	Small silic env. Mod kaol of feld phenos. >50% of bi is chlor. Yellow clay mod prev on fr.	<1% py diss and on fr. Mo on 2 60° fr with minor py. Tr fl on fr.	25° 50° 75°	<1	6	
460	470	10	100	Same rock - silic is the predominant alt, gen as thin env but some pervasive margins 2-3" wide, 1-2 env/ft. Bi 1-3%.	Silic env and local pervasive silic. > 50% of bi is chlor.	At 476'6" is 2" wide qtz-ser-py vein/env with diss fl. Minor mo on 60° smears. <1% py.	10° 50° 80°	1-2	6	
470	480	9'9"	98	Same rock - silic continues especially from 472-474' where intense pervasive and env silic occurs. From 474-479' bi and diss py increase to 5%, less silic and more very intense yellow clay along stockwork fr (almost a bx at 479').	Env and mod-st pervasive silic to 474', Intense yellow clay along fr to 479'. Mod kaol of feld phenos, 50% of bi chlor.	2% py in yellow clay - filled fr. 3 mo-py fr - fill/ft in silic zone. Fl on fr in clay zone.	0° 60° 75°	1-2	5-6	
480	490	10	100	Same rock - slightly more porph near end of section. Silic not as strong (< 1 env/ft). Bi 1-3%, small band of 10% bi at 484'. Silic fr healed with yellow clay.	Wk-mod kaol of feld phenos and gm. Minor qtz-ser env.	Minor mo along dry fr and diss into wall-rock. Mo smear on 65° fr. Py 1% on fr.	20° 65°	<1	6	
490	500	9'	90	Same rock but bi = 0- <1%. Diss py prev. Gouge zone 6" wide at 495'6".	Pervasive silic mod-st. Strongest from 496-500'.	Py up to 10% diss locally. Py and fl on smears. Mo on fr with py (1/2/ft) and minor diss mo in silic zones.	25° 80°	<1	6-7	
500	510	9'6"	95	Same rock but more eq. Extreme gouge zone from 503-507'. Bi <1%. Py zone continues on other side of gouge. Veins are predominantly py veins.	Kaol of gm mod-st.	Diss and fr-fill py up to 7%. Fl common as diss along fr. Mo on 40° smears and fr with py and fl.	0 55°	<1	5-7	
510	520	10	100	Same rock - bi << 1%. Diss py zone continues to 520'. Assay core here for mo and copper(probable diss of both).	Wk-mod pervasive silic.	Diss py up to 10%,also on fr with fl, minor mo and Mn. #5948	25° 45° 70°	<1	4-5	

DRILL LOG

SHEET NO. 7 30

LOCATION	CO-ORDINATES	NORTH	EAST	ELEVATION

DATE STARTED	DATE COMPLETED	SURVEYS	HOLE SIZE	TOTAL DEPTH	HOLE NO.
			NQ		D.D.H. 75-2

DEPTH From	DEPTH To	CORE Length	CORE %Rec	LITHOLOGY	ALTERATION	MINERALIZATION	STRUCTURE F	STRUCTURE V/Ft	STRUCTURE F/Ft	Graph Log
520	530	10	100	Same rock - wk silic, minor diss py bands up to 2" wide. Subporph texture. Bi 1%.	Minor silic env(qtz-ser) Wk-mod kaol of feld phenos. 50% of bi is chlor.	Py gen < 2%. Vfg mo on one 50° smear.	25° 60° 75°	<1	6	
530	540	10	100	Same subporph fg qtz monz - bi 1-2% but narrow zones of 5% bi and fg py occur. Cave from 532-532'9". Minor qtz-ser-py-yellow clay veinlets.	Minor silic env. Mod-st kaol of gm from 537-538'. < 50% of bi is chlor. Yellow clay alt becomes pervasive at 539'.	From 537-538 fl is common on fr with py(kaol section). Minor mo as fg diss on dry fr.	25° 55°	<1	5-6	
540	550	9'9"	98	Same rock - bi 1-2% up to 5% around 540'. Yellow-brown clay alt(st kaol of feld).	Mod silic zone from 542 543'. Yellow clay alt mod pervasive.	Silic and mineralized zone 542-543'. Py and cpy in veins ± mo. Minor fl on fr.	5° 50° 70°	<1	4-5	
550	560	10	100	Same rock - from 550'6"-553' is zone of 5-10% py and pervasive silic. From 553-560' is py-poor subporph, bi < 1%. Minor qtz and qtz-ser veinlets from 553-560'.	Mod-st kaol of gm. Mod pervasive silic. > 50% bi is chlor.	Py ± cpy up to 10% in silic zone. Mo in 5 dry fr, smears and qtz-mo veinlets.	10° 40° 65°	<1	6	
560	570	10	100	Same rock but most of section is pervasively silicified and unbroken. Bi 1-2%.	Mod-st pervasive silica flooding. > 50% bi is chlor.	Veinlets of qtz-py-cpy ± mo(4/ft) with cg xtals of py.	45° 75°	2-3	6-7	
570	580	9'9"	98	Same rock - py and k-spar veinlets 2/ft in silic zone. Bi <1%. Silic continues to 579'.	Mod pervasive silic. 50% of bi is chlor.	K-spar-py-cpy ± mo veinlets(2/ft). Minor fl on chlor fr.	40° 75°	1-2	6-7	
580	590	10	1-0	Same rock. From 580-582 bi increases up to 10%. From 582-590 silic becomes pervasive again.	> 50% bi is chlor. Kaol k-spar prev on fr in silic zone.	Py-fl ± cpy of fr in silic zone. Minor mo on dry fr.	25° 60°	1	4-5	

*5948

DRILL LOG

SHEET NO. 8 30

LOCATION	CO-ORDINATES	NORTH	EAST	ELEVATION

DATE STARTED	DATE COMPLETED	SURVEYS	HOLE SIZE	TOTAL DEPTH	HOLE NO.
			NQ		D.D.H. 75-2

DEPTH From	DEPTH To	CORE Length	CORE %Rec	LITHOLOGY	ALTERATION	MINERALIZATION	STRUCTURE F	STRUCTURE V/Ft	STRUCTURE F/Ft	Graph Log
590	600	10	100	Same rock - silic continues. Porph section from 593-596' with gradational contacts. From 596-600' kaol k-spar on fr and fr env. Clayey crush zones at 594' and 597'. Bi 1-2%.	Silic is mod pervasive, also as env ± py. Kaol k-spar prev on fr.	Fl significant throughout on fr. Py up to 5% diss in bands. No mo.	5° 20° 60°	<1	5-7	
600	610	9'6"	95	Same rock - silic continues but is patchy. Bi 1-3%. Some good qtz-ser-k-spar env sometimes displaced by 70° fr. (qtz ≷ ser ≷ k-spar ≷ ser ≷ qtz) Solid core.	Silic around qtz-ser env is patchy. Kaol in k-spar prev in these env. > 70% bi is chlor.	Minor fl on fr. Py 1-2% veins and diss. No mo.	20° 40° 65°	1	4	
610	620	10	100	Same rock - bi 1-2% but up to 5% in small irreg zones. From 614-620' kaol occurs both as wk-mod pervasive alt of gm and as alt of sec k-spar fr-fill.	Silic env(qtz-ser) mod prev up to 614'. From 614-620 is kaol. > 70% of bi is chlor.	Very minor fl on fr with py. Py 1%. Very minor mo on dry fr.	20° 60° 80°	1-2	6	
620	630	10	100	Same rock - bi 1-2%. Minor qtz-ser-py env.	80% of bi is chlor. Kaol k-spar is locally intense along fr. Wk-mod pervasive kaol of gm.	Fl in qtz-ser env. Py 1% predominantly on fr. No mo.	25° 75°	1	6	
630	640	6'6"	65	Same rock - unsilic; most of section is crushed. Cave also evid. Bi 1-2%. Ground core.	> 50% of bi is chlor.	Py <1%. Mo on at least one fr.	25° 65°	0?	5-7	
640	650	8'6"	85	Same rock - slightly more porph. Bi 3%. Lots of cave and ground crushed core. Around 648' is 5" wide qtz-ser-py zone. Minor kaol sec k-spar at 650'.	Very wk kaol of feld phenos. > 50% of bi is chlor. No silic.	Py 1% on fr. No mo.	30° 65°	0	4-5?	
650	660	9'6"	95	Same subporph rock. Relatively unbroken core. Very minor qtz-ser-py veins.	>50% bi is chlor. Wk-mod kaol of feld phenos.	≪ 1% py. Minor mo on dry fr,	20-30° 55°	<1	6	
660	670	10	100	Same rock - gouge zone(bx) at 669' approx 3" wide, healed with clay, py, vfg mo. Bi 1-2%. At 661' is 6" silic zone with py and cpy.	Minor silic. Wk-mod kaol of feld phenos. 50% of bi is chlor.	Py + cpy 5% at 661'. Gen <1% py. Tr fl on fr. Minor mo in bx. #5948	30° 55°	0	5-6	

DRILL LOG

SHEET NO. 9 30

LOCATION	CO-ORDINATES	NORTH	EAST	ELEVATION

DATE STARTED	DATE COMPLETED	SURVEYS						HOLE SIZE	TOTAL DEPTH	HOLE NO.
		717'	-59°	181°30'				NQ		D.D.H. 75-2

DEPTH From	DEPTH To	CORE Length	CORE %Rec	LITHOLOGY	ALTERATION	MINERALIZATION	STRUCTURE F	STRUCTURE V/Ft	STRUCTURE F/Ft	Graph Log
670	680	10	100	Same rock - minor barren qtz veinlets.	Wk alt. <50% of bi is chlor. Wk kaol.	Mo on 2 dry 60° fr. Little or no py.	20° 45° 75°	<1	4	
680	690	9'6"	95	Subporph qtz monz. Bi 1-2%. From 682-689 are qtz-ser env with good mo (2/ft). Kaol k-spar gen accompanies these env.	Good silic env around qtz-ser veins from 682-689. Wk kaol. >50% Bi is chlor.	Mo on dry fr and in qtz-ser veins(1-2/ft). Py and tr fl on fr.	0° 60°	1	5-6	
690	700	9'6"	95	Same rock - qtz phenos more prominent. Good qtz-ser-py zones (6" and 3" wide) at 692' and 700'. Bi 1-3%. Minor barren qtz veinlets. K-spar prominent in qtz-ser.	Qtz-ser-py env. >50% chlor. Mod kaol of feld phenos.	Mo on 3 dry fr and as selvedges in some qtz-ser zones. Py < 1%.	0 30° 60°	1	6	
700	710	10	100	Same rock - decrease in qtz-ser veins down-section.	Minor qtz-ser veinlets (< 1/ft). > 50% of bi is chlor. Mod kaol of feld phenos.	Minor mo in qtz-ser veins and on dry fr. Py < 1% except in qtz-ser.	15° 30° 70°	1	5-6	
710	720	9'6"	95	Same rock. Minor (< 2/5ft) qtz-ser vein/env. Barren qtz veinlets up to 2/ft with milky white margins (sec feld?)	Wk kaol k-spar on fr. > 50% of bi is chlor. Mod kaol of feld phenos.	Minor mo on dry fr and in qtz-ser veins. <1% py. Tr fl.	5° 15° 60°	2	5	
720	730	9'6"	95	Same rock - qtz-ser vein/env (1/2ft). Barren qtz veinlets 1/ft. K-spar wk-mod prev in qtz-ser zones.	Mod kaol of feld phenos. > 50% of bi is chlor.	Fl mod prev on fr with py. Mo in qtz-ser veins is minor.	20° 70°	1-2	5	
730	740	9'	90	Same rock - grades into slightly more porph rock toward end of section. Qtz-ser-k-spar env continue (1/3ft).	Mod-st kaol of feld phenos. 100% of bi is chlor.	Mo in qtz-ser veins and on dry fr(1/2-3ft). Tr fl.	5° 35° 75°	1	5	
740	750	10	100	Rock is cg qtz monz (gradational from prev section). Dyke at 749'6" (2 ft wide) is a fg bi-rich rock with sharp contact(60°).	Qtz-ser-py-mo vein/env (1/2ft). Mod-st kaol of feld phenos. 50% of bi is chlor.	Mo in qtz-ser env in k-spar filled fr, on dry fr(1/3ft). <1% py. #5948	35° 60°	1	3	

DRILL LOG

SHEET NO. 10 30

LOCATION	CO-ORDINATES	NORTH	EAST	ELEVATION

DATE STARTED	DATE COMPLETED	SURVEYS	HOLE SIZE	TOTAL DEPTH	HOLE NO.
			NQ		D.D.H. 75-2

DEPTH From	DEPTH To	CORE Length	CORE %Rec	LITHOLOGY	ALTERATION	MINERALIZATION	STRUCTURE F	STRUCTURE V/Ft	STRUCTURE F/Ft	Graph Log
750	760	10	100	Very solid core. Dyke continues to 752', sharp lower contact 55° (sec qtz along contact) with cg qtz monz. Dyke from 754-756' is qtz-feld porph (vcg up to 7mm) with chilled fg bi-rich margin(chlor), sharp contacts then back into cg qtz monz.	Dykes are strongly chlor. Wk-mod kaol of qtz monz.	Diss mag in dyke(1-2%). Py < 1%. No mo.	55° 25°	0	3	
760	770	9'	90	Same cg qtz monz, bi 1-3%. Section is not well-fr, is wk alt, unmineralized. 0-10° fr makes drilling difficult.	Wk kaol of feld phenos. 50% of bi is chlor.	« 1% py, < 1% diss mag. No mo.	0 40°	0	3	
770	780	10	100	Same rock. Mg-cg. Minor barren qtz veinlets.	Wk kaol of feld phenos. 50% of bi is wk chlor.	No py, no mo. < 1% diss mag.	20° 40°	< 1	3-4	
780	790	10	100	At 783'6" is 3" crush zone - contact here with fg subporph. Fg rock is better fractured than cg. Bi 1-2%.	Wk kaol of feld phenos. 1 qtz-ser-kaol k-spar env at 790'. 50% of bi is wk chlor.	Mo on one dry fr in fg rock and in one qtz-ser env. « 1% py. Tr diss mag.	25°	0	3-4	
790	800	10	100	Same fg eq to subporph qtz monz. Very minor thin qtz-ser-healed fr. Bi 3%. Minor barren qtz veining.	Wk kaol of feld phenos. < 50% bi is chlor.	Tr diss mag. « 1% py. One thin qtz-mo veinlet at 798' is 75° to c.a.	15° 30° 60°	<1	4	
800	810	10	100	Same rock. Qtz-ser-py-k-spar env at 801 and 804'6". Bi 2%. Ser on 40% of fr.	K-spar(kaol)on fr. Wk-mod kaol of feld phenos. < 50% of bi is chlor.	Mo on 4 dry fr at 60° to c.a. Py « 1% except in qtz-ser zones.	35° 85°	1	4-5	
810	820	9'6"	95	Same rock - slight increase in fracturing density.	Wk-mod kaol of feld. > 70% of bi is chlor.	Py < 1% on fr and diss. Mo on 1-50° joint.	5° 40°	0	5-6	
820	830	10	100	Same rock - gradational to qtz-feld porph at 822'. Good mo zone. Vfg diss mo forms rings around well-kaol feld. Kaol k-spar is prominent in qtz-ser zones. Bi 1-2%.	Mod-st kaol of feld phenos. Qtz-ser-k-spar env. > 50% of bi is chlor.	Diss mo in qtz-ser env, on dry fr and diss around kaol k-spar.	15° 30° 60°	2-3	4-5	
830	840	10	100	Porph is gradational to subporph. From 831-832' diss py and mag are up to 10% adjacent to 30° fr. Qtz-ser-mo zone 5" wide at 833'. At 838' is k-spar-sph-mo fr-fill at 20° to c.a. Bi 2%.	Mod kaol of feld phenos. > 50% of bi is chlor.	Diss mo around kaol k-spar is sparse. Py gen < 1%. #5948	30° 55°	1	4-5	

DRILL LOG

SHEET NO. 11 30

LOCATION	CO-ORDINATES	NORTH	EAST	ELEVATION

DATE STARTED	DATE COMPLETED	SURVEYS	HOLE SIZE	TOTAL DEPTH	HOLE NO.
			NO		D.D.H. 75-2

DEPTH From	DEPTH To	CORE Length	CORE %Rec	LITHOLOGY	ALTERATION	MINERALIZATION	STRUCTURE F	STRUCTURE V/Ft	STRUCTURE F/Ft	Graph Log
840	850	10	100	Same rock - subporph qtz monz. Bi 2%. Qtz phenos up to 7mm in size at end of section.	> 50% of bi is chlor. Wk-mod kaol of feld phenos.	Diss mag < 1%. Tr diss mo Mo in one thin qtz veinlet	30° 45°	< 1	4	
850	860	10	100	Same rock - no diss mo noted. Tr fl on fr.	Wk-mod kaol of feld phenos. > 50% of bi is chlor.	Mo on two 60° dry fr, also mo in qtz-ser veins (minor). Diss mag < 1%. Diss py < 1%	25° 50° 75°	< 1	4-5	
860	870	8	80	Broken core from 862-870'. Gouge zone 3" wide at 864' (this corresponds to the end of the section of difficult drilling). Same rock type.	Mod kaol of feld phenos. < 50% of bi is chlor.	Py << 1%. Tr diss mag. No mo.	30° 70°	0	5-7	
870	880	7	70	Broken core from 870-876'. Same rock but more eq. Bi 1-3%. Gouge at 876' is 4" wide, healed by clay and py. At 876' the bi content increases along seams.	Mod kaol of feld phenos. > 50% of bi is chlor.	Py < 1%, Tr diss mag. No mo.	20° 50° 80°	0	3-6	
880	890	9'9"	98	Same rock - fg eq qtz monz. Bi content is variable from 2-5%. Gouge zone 2" wide at 887'.	Wk kaol of feld phenos. < 50% of bi is chlor.	Tr diss mag. << 1% py. Mo on one 30° fr.	5° 50°	0	5	
890	900	9'6"	95	Same rock - fg eq qtz monz. Bi is variable from 2-5%. 3" wide clay gouge at 899'.	50% of bi is chlor. Wk-mod kaol of feld.	Minor py-ser ± mo on fr (1/3/ft). Tr diss mag. < 1% py on fr.	15° 55° 90°	< 1	5	
900	910	9'6"	95	Same rock - becomes more porph toward end (gradational). Gouge zone at 904' is 1" wide; rock is well-fr on either side.	Wk-mod kaol of feld. < 50% of bi is wk chlor.	Mo in one 50° qtz-mo vein let. Possible mo in clay gouge. < 1% py.	25° 50° 85°	0	5	
910	920	9	90	Rock is subporph qtz monz. From 910'6" to 911' is a qtz-ser env + k-spar. Rest of rock is unalt and unmineralized. Minor gouge // c.a. at 914'.	Wk-mod kaol of feld. < 30% of bi is chlor.	Mo in qtz-ser-py zone. Mo in 1 qtz-mo vein. < 1% py. Tr diss mag.	25° 55° 75°	< 1	4	
920	930	8	80	Same rock but more eq. Bi up to 10% at 929'6". Lots of cave and broken core.	Wk-mod kaol of feld. Bi altered to mag ± chl.	Diss mag seams at 922'. Pervasive mag (1%) is associated with bi. Mo on two 80° dry fr.	0° 20° 80°	0	4	

#5948

LOCATION	CO-ORDINATES	NORTH	EAST	ELEVATION	SHEET NO. 12 30
DATE STARTED	DATE COMPLETED	SURVEYS		HOLE SIZE: NQ	TOTAL DEPTH	HOLE NO. D.D.H. 75-2

DEPTH From	DEPTH To	CORE Length	CORE %Rec	LITHOLOGY	ALTERATION	MINERALIZATION	STRUCTURE F	STRUCTURE V/Ft	STRUCTURE F/Ft	Graph Log
930	940	9'6"	95	Same rock. Bi 2-5%.	Wk-mod kaol of feld. 50% of bi is chlor (± mag).	At 939' and 940' are 2 thin qtz-mo-py veinlets at 60°. Diss mag up to 5% locally. 1% py.	30°, 60°	<1	4-5	
940	950	9	90	Gradational contact over 3" between fg and mg to cg qtz monz at 943'. 2" wide gouge at 942'10", cave at 943'. Gouge zone may be upper contact. Lower contact is sharp at 948'2". Back into fg rock. Barren sec qtz at upper contact.	Minor qtz-ser veins: kaol k-spar prominent on fr in mg rock. < 50% bi is chlor. Wk kaol of feld.	Mo in qtz-mo veinlets in fg rock. Mo in stockwork fr with k-spar in cg rock also on dry fr, minor diss mo in cg rock. Good mo on fr at lower contact.	25°, 65°	1	5	
950	960	8	80	Same rock. Subporph fg qtz monz. Bi 1-2%. Minor ser on fr. One qtz-ser vein/env trends 30° at 958'. From 958' py-k-spar is prev on fr, mo in thin veinlets and on fr with epid(?)	Wk kaol of feld phenos. 50% of bi is chlor.	Tr diss mag associated with bi. Py and Tr cpy on micro-fr. Mo on joints and in thin qtz veinlets (1/ft).	5-10°, 40°	1	5	
960	970	9	90	Same rock. Lots of broken core and cave. K-spar-py continues from previous section to 963'. Gouge zone 2" wide at 963'. Followed by hi-grade qtz-ser-py-mo zone to 964'.	Wk kaol of feld phenos. < 50% bi is chlor. Qtz-ser-py veins 1/ft.	Very good mo in qtz-ser zones. Minor mo on dry fr. Py is 1%.	30°, 45°	1-2	5-6	
970	980	9	90	Extremely broken section of core. Contact at 977' with basalt dyke. Dyke is very magnetic and is vesicular with fg margins. Clayey gouge subparallels c.a. Contact is probably subparallel to c.a.	Kaol is st pervasive along shear. 50% of bi is chlor.	Diss mag in dyke. <1% py in intrusion. No mo.	-	0	?	
980	990	7'6"	75	Basalt dyke goes to 986' where there is a gouge contact with the fg qtz monz. 1% bi in qtz monz.	Kaol is pervasive in the intrusion.	Diss mag in basalt. Py <1% in qtz monz. No mo.	45°	0	3	
990	1000	8	80	Extremely broken and clay-gouged zone. Same rock fg eq qtz monz, bi 1-2%. Dominant fr subparallels c.a. Rock becomes solid at 999'.	Kaol is pervasive in gouge sections.	Py <1% on fr. No mo. #5948	0-10°	0	?	

DRILL LOG

SHEET NO. 13 30

LOCATION	CO-ORDINATES	NORTH	EAST	ELEVATION

DATE STARTED	DATE COMPLETED	SURVEYS	HOLE SIZE	TOTAL DEPTH	HOLE NO.
			NQ		D.D.H. 75-2

DEPTH From	DEPTH To	CORE Length	CORE %Rec	LITHOLOGY	ALTERATION	MINERALIZATION	STRUCTURE F	STRUCTURE V/Ft	STRUCTURE F/Ft	Graph Log
1000	1010	8'6"	85	Same rock. Bi 2-4%, minor barren qtz veinelts. Minor gouge at 1006'.	Wk kaol, kaol of feld phenos increases down-section. <50% of bi is chlor.	No py. Mo on two smears with ser.	28°/70°	1	4-5	
1010	1020	9	90	Same rock. Most of the core is broken. Clay gouge at 1013'. Qtz-ser-k-spar env from 1011-1012'.	Kaol is pervasive. <50% bi is chlor.	Mo in qtz-ser env at 1010' and 1012'.Oxidized mag(?) on fr at 1019'(may be hematite or heubnarite)	25°/55-60°	<1	4-5	
1020	1030	8'6"	85	Same rock but slightly porph(qtz phenos evid near end of section). Gouge at 1020' is 20° to c.a.	<30% bi is chlor. Wk-mod kaol of feld.	No py, tr diss mag. No mo.	10°/45°	0	3-4	
1030	1040	9	90	Same rock to 1039'6". Intense clay gouge at 1033'6"to 1035'. Pervasive silic of qtz porph begin at 1039'6"	Mod-st pervasive kaol. <30% bi is chlor.	Diss mag in 1/4" band at 1031'. Tr diss mag through out. No py, no mo.	15°/65°	<1	4-5	
1040	1050	9'6"	95	Rock is st silic qtz porph. Minor clay gouge at 1047'6".	St pervasive silic. <30% bi is chlor. Diss ser after feld.	<1% py on fr. Vfg diss mo at 1043(?). Diss mag 1%	0°/20°/60°	0	6	
1050	1060	10	100	Same silic porph to 1054' where sharp gouge contact with fg eq bi-rich monz dyke(?) occurs. Dyke(?) goes to 1057'(sharp lower contact with mg to cg qtz monz with 1-2% bi).	Pervasive silic of wall-rock. Dyke(?) is un-altered. Ser on fr in silic zone.	Mo at gouge contact, on 80° fr with py. Mag on fr at 1051 is red-brown in colour.	10-15°/35°/80°	0	4	
1060	1070	9'9"	98	Mg to cg qtz monz is gradational to small section of fg qtz monz. Bi is unalt in cg rock. Pink feld is prominent in the cg rock. Gradational contact between silic cg and unsilic fg qtz monz at 1065'6". Fg bi-rich dyke(?) from 1064'5" to 1065'.	Pervasive silic from 1062' to 1065'6".Minor ser and k-spar on fr. 50% of bi is chlor in fg rock. Wk-mod kaol.	Diss mag <1%. Tr fl on fr. Mo on 45° and 80° joints in fg rock(1/ft).One qtz-mo veinlet noted.	0°/65°/80°	0	5-6	
1070	1080	9	90	Rock is fg qtz monz but locally subporph. Gouge zone 1"wide at 1073'9".Mod good cpy-mo section.	Qtz-ser-py-cpy env around gouge zone.Diss ser at 1077'.Mod-st kaol of feld. 50% bi is chlor.	Good mo on 53° joints in qtz-ser zone,also sel-vedges of py ± cpy. Py-cpy mo in qtz-ser at 1079; trends 45° to c.a.	20°/55°/85°	1	4-5	

#5948

DRILL LOG

SHEET NO. 1.4 | 30

LOCATION	CO-ORDINATES	NORTH	EAST	ELEVATION

DATE STARTED	DATE COMPLETED	SURVEYS	HOLE SIZE	TOTAL DEPTH	HOLE NO.
			NQ		D.D.H. 75-2

DEPTH From	DEPTH To	CORE Length	CORE %Rec	LITHOLOGY	ALTERATION	MINERALIZATION	STRUCTURE F	STRUCTURE V/Ft	STRUCTURE F/Ft	Graph Log
1080	1090	9'6"	95	Rock is same fg qtz monz, locally subporph. Bi 1-2%. Section is gen unbroken, 0° fr is prominent from 1084-1090'. Cave at 1087'.	Mod-st kaol of large feld phenos. < 20% of bi is chlor.	Mag with py on fr at 1082'6". Mo in thin qtz veinlet and on 60° joint at 1084'. Tr diss mag. Gen < 1% py.	0° 25° 45°	0	3	
1090	1100	9'6"	95	Same rock, slightly more porph locally. Tr of diss ser. Minor barren qtz veining at end of section.	Kaol k-spar is wk-mod prev on fr. Wk-mod kaol of feld. > 50% of bi is chlor.	Tr diss mag. Little or no py. At 1099' mo in two subparallel dry fr at 60°.	0-5° 40° 75°	<1	4-5	
1100	1110	9'6"	95	Same rock. Thin gouge zones are prominent: 1102'(40°), 1103'(20°), 1103'6"(60°), 1108'(35°), 1100'6".	Silic zone from 1101'6"-1102'4". Minor silic or kaol adjacent to shears. Kaol k-spar fr-fill in silic zone.	Ser-mo on 65° joint at 1100'6". Mo mixed with clay gouge or fg diss in silic zone. No py. At 1109' mo in thin qtz veinlet at 25°.	35-40° 65°	<1	5	
1110	1120	10	100	Same rock - relatively unbroken core. 2" gouge zone at 1115' 6" subparallels c.a., qtz grains prominent in gouge. At 1116' white clay is prev on fr. At 1114' is qtz-ser zone subparallel to c.a. with diss cpy and mo.	Mod kaol of feld. < 30% of bi is chlor. Minor ser on fr.	Tr diss mag. Mo on 60°, 45° and 20° joints. Non-magnetic red-brown mineral on fr. Tr fl on fr with Mn(?)	25-30° 50°	0	4	
1120	1130	10	100	Same rock.	Mod kaol of feld. < 10% bi is chlor.	Tr mag associated with bi. Tr fl on fr. Mo on 60° fr with py and 60° dry fr.	15° 25° 45°	0	3-4	
1130	1140	10	100	Same rock. Mod pervasive kaol of gm from 1138-1140 is associated with subparallel gouge zone.	Wk-mod kaol of feld. Bi is unalt.	Tr diss mag. Mo on one 60° dry fr. Py < 1%. #5948	20° 30-35° 55°	<1	3	

DRILL LOG

SHEET NO. 15 | 30

LOCATION	CO-ORDINATES	NORTH	EAST	ELEVATION

DATE STARTED	DATE COMPLETED	SURVEYS						HOLE SIZE	TOTAL DEPTH	HOLE NO.
								NQ		D.D.H. 75-2

DEPTH From	DEPTH To	CORE Length	CORE %Rec	LITHOLOGY	ALTERATION	MINERALIZATION	STRUCTURE F	STRUCTURE V/Ft	STRUCTURE F/Ft	Graph Log
1140	1150	6'6"	65	Same rock. Clay gouge from 1140-1141' at 15° to c.a. Lots of cave. At 1143' is contact with mg qtz monz, bi + muscovite is 1-2%. The contact is obscured by cave. The lower contact at 1145' is gradational.	Qtz-ser-k-spar zone from 1141-1141'6". Mod-st kaol of feld in mg rock. < 30% bi is chlor.	Py and sph(?) with k-spar in qtz-ser zone. Form 1148-1150' mo on three dry fr(40°,60°,70°)	15° 25° 50-60°	0	3-4	
1150	1160	9'6"	95	Same rock. Fg subporph qtz monz. Bi 1-2%. Good section of fr-fill mo mineralization. From 1150-1154' vfg diss mo at 1156'6"(associated with ser env). Mag on fr at 11154'.	Ser prominent on fr ± mo. Wk kaol of feld. < 30% of bi is chlor.	Ser and mo on 15 fr from 1150-1154'(60°). Mo in thin 60° qtz veinlet and in 60° gouge at 1159'6".	10° 50-60°	0	3-4	
1160	1170	9'	90	Same rock. Minor barren qtz veinlets. Light green mineral on some fr(epid?)	Ser on fr and in env is minor. Mod kaol of feld. < 50% bi is chlor.	Diss mag increases down-section. Tr fl in kaol shear at 1160'. Mo on two 60° joints with ser.	5° 35° 75°	<1	3-4	
1170	1180	10'	100	Same rock. From 1177-1179' ser ± py env are prev. Minor fl on fr in ser zone.	Mod kaol of feld. < 20% of bi is chlor.	Vfg diss mag in ser zone. Mo on one 60° fr with ser.	20° 50-60°	0	4-5	
1180	1190	9'	90	Same rock. 1" gouge zone at 1186'8". Minor barren qtz veining. Kaol k-spar ± chl is wk prev on microfr.	Mod kaol of feld. < 30% bi is chlor.	Mo in two thin qtz-mo veinlets(45°) and on one joint(45°). Tr diss mag.	20° 45°	<1	2-3	
1190	1200	10'	100	Same rock. Pervasively silic from 1190'4" to end of section (barren).	Mod-st pervasive silic. Mod-st kaol of feld. < 20% of bi is chlor.	Mag diss on fr up to 1%. Mo on one 45° fr in silic zone.	10° 40° 60°	0	2-3	
1200	1210	9'4"	93	Same rock. At 1201' is fr env with ser and k-spar. At 1204' 6" is 85° shear with py and ser. At 1208' is 30° qtz veinlet with sparse mo.	Wk to no pervasive silic. Mod-st kaol of feld. 40% of bi is wk chlor.	Vfg diss mag in tr amounts. Py < 1% on fr and shears. Minor mo along fr adjacent to shears.	20° 35°	<1	4	
1210	1220	9'9"	98	Same rock. Relatively solid section. Thin ser veins(1/2ft).	Wk-mod kaol of feld. <20% of bi is chlor.	Diss mag << 1%. Mo on two 45° smears. Sparse mo in two 60° env. No py.	0° 55°	1	4-5	

#5948

DRILL LOG

SHEET NO. 16 30

LOCATION	CO-ORDINATES	NORTH	EAST	ELEVATION

DATE STARTED	DATE COMPLETED	SURVEYS	HOLE SIZE	TOTAL DEPTH	HOLE NO.
			NQ		D.D.H.75-2

DEPTH From	DEPTH To	CORE Length	CORE %Rec	LITHOLOGY	ALTERATION	MINERALIZATION	STRUCTURE F	STRUCTURE V/Ft	STRUCTURE F/Ft	Graph Log
1220	1230	8'6"	85	Same rock. Qtz-ser env at 1223'(2"wide), 1229'(4"wide) and adjacent to gouge zone at 1229'6". Diss and fr-fill ser. At 1223' is 1/4" wide bi-mag sub// c.a., the bi is unalt. At 1225' is black botryoidal mineral on fr(psilomelane or heubnerite?)	Mod kaol of feld. < 5% of bi is chlor. Ser env(1/ft).	Mo in ser-qtz ± py env. Mo in thin qtz veinlet at 1230'. ≪1% py on fr.	10° 50-60°	1-2	4-5	
1230	1240	9'6"	95	Same rock. Ser ± qtz on fr from 1236-1237'6". Mo in qtz veinlet(45°) at 1238'6" and on one 50° joint.	50% of bi is chlor. Wk mod kaol of feld. Ser on fr from 1236-1237'6".	Py 1% on fr, minor diss py. Tr fl on fr. One 25° mo smear and vfg diss mo at 1232'6".	20° 40°	<1	4-5	
1240	1250	10'	100	Same rock. At 1242' is 35° contact with 12" wide pegmatite zone. The contact is 1" wide and is marked by a zone of 20% bi-mag. Lower contact is irreg but sharp. At 1243'6" is 1/2" wide pegmatite vein with qtz-epid-muscovite-calcite.	Tr diss epid. Bi is unalt. Wk-mod kaol of feld. Ser veinlets increase downsection.	Diss fg mag <1%. Py <1% on fr. Mo on one 25° smear and one 60° qtz veinlet.	15° 35° 60°	1-2		
1250	1260	7'	70	Same rock but slightly coarser-grained. Zone of ground core begins at 1257'. Qtz-ser-py-mo ± fl zone from 1253-1254'. Milky white, hard, amorphous mineral prominent in gm(sec feld?). Ser and barren qtz veinlets(1/ft).	Wk-mod pervasive silic above and below qtz-ser zone. <30% of bi is chlor. Wk kaol of feld.	Mo on one 70°, one 50° and one 5° fr with fg py. Good mo in qtz-ser ± fl zone, also 10% py.	5° 20° 65°	1	4	
1260	1270	4'	40	Rock is still fg qtz monz but subporph(qtz and feld phenos). From 1260-1266' is 90% core loss due to grinding. From 1269 to 1270' is mineralized gouge zone. Gouge is 35° as are most of the adjacent mineralized fr.	Mod-st kaol of feld. >80% of bi is chlor. Qtz-ser env are prev. from 1268-1270'.	Tr diss mag. Mo diss on one 45° and one 10° dry fr. Good mo in qtz-ser env from 1268-1270'.	15° 35° 55°	1-2	3-5	
1270	1280	9'6"	95	Same subporph rock. Ser env < 1/ft, minor barren qtz veining.	Grass green chlorite(?) mod prev on fr. Wk-mod kaol of feld. <40% of bi is chlor.	Diss mag ≪1%. Mo sparsely occurs on 4 dry fr and 4 smears(5-15°).	25° 65°	1	4	
1280	1290	9'9"	98	Same rock - appears to get coarser-grained toward end of section. At 1287' a thin band of diss bi and mag marks contact between fg qtz monz and fg to mg qtz monz.	Wk-mod kaol of feld. <30% bi is chlor. Tr epid on fr.	Mo on 10° fr with py, also tr diss mo. Diss mag ≪1%. Mo on two 30° and one 45° joints ± py. #5948	10° 40°	0	4	

DRILL LOG

SHEET NO. 17 30

LOCATION	CO-ORDINATES	NORTH	EAST	ELEVATION

DATE STARTED	DATE COMPLETED	SURVEYS	HOLE SIZE	TOTAL DEPTH	HOLE NO.
			NQ		D.D.H. 75-2

DEPTH From	DEPTH To	CORE Length	CORE %Rec	LITHOLOGY	ALTERATION	MINERALIZATION	STRUCTURE F	STRUCTURE V/Ft	STRUCTURE F/Ft	Graph Log
1290	1300	10'	100	Rock is fg to mg qtz monz. Bi 2%. Up to 40% mg to cg and feld constitute porph. Pink k-spar is prominent.	Wk-mod kaol of feld. 10% bi is chlor.	Diss mag associated with bi. Mo on one 50° dry fr and one 0° fr.	40° 60°	0	3-4	
1300	1310	10'	100	Same rock - grades into fg eq qtz monz near basalt dyke. Basalt dyke at 1306'4", gouge contact. Small clasts of kaol wall-rock in basalt. vfg py on fr in basalt.	Wk-mod kaol of feld. <30% bi is chlor.	Good mo on one 45° qtz veinlet. Sparsely diss fg mo on one 55° fr. Tr diss mag. <1% py on fr.	10° 80°	0	4	
1310	1320	10'	100	Basalt dyke - vesicular.	- - -	Vfg py on fr.	30° 50°	0	2-3	
1320	1330	10'	100	Basalt dyke - 2" wide gouge zone at 1325'.	- - -	- - -	20° 35°	0	3	
1330	1340	6'	60	Basalt/intrusive contact at 1334'; gouge contact is 5° (sub// c.a.). Section is extremely broken. Core solid again at 1339'6" - rock is vfg eq qtz monz, bi <1%.	Wk kaol of feld. <20% bi is chlor. Tr epid on fr.	Fg py on fr in intrusive is <1%. Tr vfg diss mag.		0	?	
1340	1350	10'	100	Same rock - fg eq qtz monz, bi 1-3%. 0-5° fr is very prominent and contains much clay gouge. 1/2" wide bi-rich band is adjacent to minor gouge at 1349'.	Wk kaol of feld. <10% bi is chlor. Minor kaol k-spar and chl on fr.	Possible mo in clay gouge. Mo on one 5° fr(sparse). Tr diss mag. Py <1%.	0-5° 55°	0	3-6	
1350	1360	8'	80	Same rock. 1350-1351' is relatively solid. Rest of section broken and kaol along the prominent 5° fr.	Pervasive kaol along fr.	- - -	0-5° 60°	0	?	
1360	1370	10'	100	Same rock. Broken core from 1360-1362'; clay gouge at 20° to c.a. From 1367-1368'6" is stockwork of ser ± py env (5/ft).	Pervasive kaol in broken sections. 30-50% of bi is chlor.	Mo on two 45° joints with ser and py. Py diss on fr <1%.	10° 30° 65°	2	4-5	
1370	1380	10'	100	Same rock. Ser env ± kaol k-spar very prev(1/ft). From 1373-1375' is ser zone, diss and vein ser. Grass green chl is prev. Minor qtz veinlets, 1 with sparse mo.	50% bi is chlor. Wk-mod kaol of feld. Ser prominent on fr and diss.	Mo on three 45° and one 30° fr with ser ± fg py. Py <1%. #5948	25° 50° 75°	3+	4-5	

DRILL LOG

SHEET NO. 18 30

LOCATION	CO-ORDINATES	NORTH	EAST	ELEVATION

DATE STARTED	DATE COMPLETED	SURVEYS	HOLE SIZE	TOTAL DEPTH	HOLE NO.
			NQ		D.D.H. 75-2

DEPTH From	DEPTH To	CORE Length	CORE %Rec	LITHOLOGY	ALTERATION	MINERALIZATION	STRUCTURE F	STRUCTURE V/Ft	STRUCTURE F/Ft	Graph Log
1380	1390	10'	100	Same rock. Relatively solid section. Ser veinlets(45°) are mod prev. Ser env from 1388-1390' with py.	Mod-st kaol of feld. 20% bi is chlor. Tr diss epid. Ser env.	Tr diss mag. Mo in one 45° qtz veinlet. Tr cpy in ser veinlet. Py < 1%.	8° 40°	1	2-3	
1390	1400	10'	100	Same rock - fg eq qtz monz. Ser zone continues to 1391'(the ser-py env is on a 5° fr). From 1392-end the ser veinlets are 2+/ft(non-mineralized). At 1392'6" is 4" wide zone of 5% bi (unalt.)	Tr diss ser. Mod kaol of feld. < 20% bi is chlor.	Tr fl in ser env. Py << 1%. No mo.	0° 15° 60°	2	3-4	
1400	1410	10'	100	Same rock(unmineralized). Ser env 1/ft. Minor diss ser. Tr epid on fr.	St kaol of feld. 0% of bi is chlor. Grass-green chl prev on fr.	Fl on 0° and 15° fr ± spare mo. Tr diss mo. Py in ser env <1%.	0-10° 30° 65°	1	3	
1410	1420	10'	100	Same rock. Ser ± py env 1/ft. Good 1/2" env at 1416'6" wide ser-py-mo at 30°. Fg py on low-angle fr with chl, red-brown mineral and minor mo. Minor barren qtz veinlets.	St kaol of feld. 0% bi is chlor(increases slightly downsection). Minor diss ser.	Mo on one 45° dry fr and vfg diss on 85° dry fr, on two irreg 70° dry fr. Mag associated with kaol feld. Py 1%.	20° irreg sub// c.a.	1	3-4	
1420	1430	9'6"	95	Same rock. Very good ser-py-mo-kspar zone from 1425-1430; closely spaced env form stockwork. At 1421' is 1" wide 20° ser env cg qtz vein with minor cpy at 1424'. Mo on two 85° dry fr. 	Mod-st kaol of feld. < 20% bi is chlor. Good ser env, minor diss ser.	Minor cpy in k-spar veinlets. Fl in calcite fr-fill. Fg mo diss around kaol feld. Good mo as selvedges in ser env zone.	8° 30° 85°	3	4	
1430	1440	10'	100	Same rock. Ser-py-mo zone continues to 1436'. 50° gouge from 1435'4" to 1436'. Coarse cubes of py in gouge. Cg qtz vein 1/2" wide at 1439'4" with thin ser margins.	Wk kaol of feld. <30% bi is chlor. Ser in env and diss from 1430-1436' also k-spar fr-fill.	Py, minor cpy and mo in ser zone. Mo diss within env. Good mo in irreg 45° qtz-mo vein 1/4" wide.	30° 60°	2-4	4-5	
1440	1450	9'4"	93	Same rock. At 1440'2" is 3/4" wide bx healed by ser and minor k-spar and mo. At 1440'10" is fg eq bi-rich dyke(?), 5"wide with sharp 50° contacts. Dyke is st magnetic and has minor fl on fr.	Mod-st kaol of feld. <20% bi is chlor. Tr diss epid. Ser veinlets. <1/ft.	Mo on 10° smear and on 45° joint. Minor mo in bx.Tr diss mag. < 1% py. #5948	15° 45° 70°	<1	3-4	

DRILL LOG

SHEET NO. 19 | 30

LOCATION	CO-ORDINATES	NORTH	EAST	ELEVATION

DATE STARTED	DATE COMPLETED	SURVEYS Tropari						HOLE SIZE	TOTAL DEPTH	HOLE NO.
			1489'	-62°	182°30'			NQ to 1492 BQ from 1492	2-2252' (end)	D.D.H. 75-2

DEPTH From	DEPTH To	CORE Length	CORE %Rec	LITHOLOGY	ALTERATION	MINERALIZATION	STRUCTURE F	STRUCTURE V/Ft	STRUCTURE F/Ft	Graph Log
1450	1460	10'	100	Very solid section of core. The fg subporph qtz monz with 1-2% bi has several zones of bi enrichment(bi ± fg mag up to 25%) where the rock is fg and eq. These zones are at times gradational and dyke-like in places(sharp contacts).	Mod-st kaol of feld. Bi unalt especailly in enriched zones. Minor ser veinlets.	Mo on one 25° fr with fl and chl, also on one 60° fr. Fg mag 1-2% in bi-rich zones.	25° 50°	<1	2-3	
1460	1470	10'	100	Same rock. Fg subporph qtz monz with irreg zones of fg eq bi-mag-rich rock.	Wk kaol of feld. Bi unalt. Very minor ser veinlets.	Mo on four 45° joints with minor fg py ± fl. Py <1%.	20° 40°	0	2-3	
1470	1480	10'	100	Same rock. Bi-mag zones continue to 1474' then ser-py-mo ± qtz veins and env become prev(3-4/ft). At 1474' one irreg fr sub// c.a. contains cg py and good mo, some cpy.	Wk-mod kaol of feld. <20% bi is chlor. Minor diss ser. Ser-py env zone from 1474'-end.	Cg and fg on fr with ser, mo, fl from 1474'-end. Good mo on fr with py in this zone(0-45°).	20° 45°	2-4	4	
1480	1490	10	100	Same rock. Ser env continue to 1485(3/ft). Ser ± py, mo. Minor gouge at 1485'9".	Wk-mod kaol of feld. <50% bi is chlor.	Mo on one 45° and one 30° joint with py. Good mo on 4-45° ser-py env. Hematite on 45° fr at 1487'6".	35° 50°	3	4	
1490	1492	2'	100	Same rock - minor ser vein/env. END OF NQ CORE	Wk kaol of feld. < 30% bi is chlor.	Hematite on 45° fr at 1491'. Mo on 50° dry fr at 1490'. Vfg diss mag.	20° 40°	<1	3-4	
1492	1500	8'	100	Same rock. Fg subporph qtz monz, bi 1-3%. Poorly fr. Veins are mostly thin ser veins.	Very wk kaol of feld. <10% bi is chlor. Ser mod prev on fr and in irreg veins.	At 1499'6" is irreg 1/2" wide mass py vein at 60°. Minor py in ser veins. Gen py <1%. Up to 1% diss mag. No mo.	15° 60°	1	2	
1500	1510	10'	100	Same rock. From 1508'4" to 1508'7" is zone of bi-mag up to 40% with irreg contacts. Not well-fr.	Wk kaol of feld. <10% bi is chlor. Ser veins and small env continue (1-2/ft).	Good mo on 30° smear with py. Py on fr ± ser <1%. Diss fg mag <1%. #5948	20° 50°	1-2	2-3	

LOCATION	CO-ORDINATES	NORTH	EAST	ELEVATION
DATE STARTED	DATE COMPLETED	SURVEYS	HOLE SIZE	TOTAL DEPTH
			BQ	

HOLE NO. D.D.H. 75-2

DEPTH From	DEPTH To	CORE Length	CORE %Rec	LITHOLOGY	ALTERATION	MINERALIZATION	STRUCTURE F	STRUCTURE V/Ft	STRUCTURE F/Ft	Gr. L.
1510	1520	10'	100	Same rock. Irreg zones of 30-50% bi-mag-ser-py at 1510'2" and 1510'6". Kaol of feld increases slightly downsection. Minor barren qtz veinlets(1/2ft).	Wk-mod kaol of feld. 20% of bi is chlor.Ser prominent on fr(1/ft).	Minor mo in py-ser env at 1512'. From 1514'10" to 1520' mo on six 30-50° fr with fg py + fl on dry fr. Diss fg mag <1%.	18° 55°	1-2	2-3	
1520	1530	10'	100	Same rock but from 1524'-end anhedral mg bi increases to 4-6% with some zones up to 30%(wk chlor). At 1523' is cg qtz-py-ser vein 1" wide at 20° with minor k-spar. At 1528' is 1/4" qtz-k-spar-calcite vein.	Mod-st kaol of feld. Minor pervasive kaol of gm(pale green).30-50% of bi is chlor.Minor diss ser. Ser-py env prominent.	From 1521-1527' mo on one 20° qtz-ser-py env, on one 45° fr with fl,on one 85° dry fr,on two fr with ser. Tr diss mag. <1% py.	20° 60°	1-2	4	
1530	1540	7'6"	75	Badly broken section. Same rock, bi 3%. At 1531'6" is minor clay gouge along 0-5° fr. Bi decreases to 1-2% downsection.	Mod kaol of feld,pervasive kaol adjacent to gouge zone. 50% of bi is chlor.Minor ser on fr.	Py <1%. No mo evid.	25-35°	<1	4-5	
1540	1550	9'6"	95	Core broken to 1546'. Same rock. At 1543' is mass py within 2" wide qtz vein at 50°, mo as selvedges in qtz. K-spar is mod prev on fr in kaol zone. Irreg zones of bi-mag-ser concentration.	Mod-st kaol of feld,st pervasive kaol from 1540-1546'. 50% of bi is chlor. Ser-py veins prominent.	Mo in two thin qtz veinlets in kaol zone and in qtz-mass py vein.Py gen <1%.	30° 50°	1	4-5	
1550	1560	10'	100	Relatively solid section. Same rock. From 1557-1559' is bi-poor siliceous vfg zone which may be an aplite dyke with gradational contacts. Minor qtz-ser veins, also some k-spar fr-filling.	Mod-st kaol of feld. 50% of bi is chlor. Minor diss epid,minor silic along fr.Grass-green chl mod prev on fr.	Mo on 4 thin qtz veinlets at 45°,60°(two crossing veinlets),90°.Py<1%.	20° 35°	1	4	
1560	1570	10'	100	Same rock. From 1565-1566' is qtz-ser-py env zone. Two 20° env of ser-py at 1570'. 1/4" band of bi-mag concentration at 1567'.	Mod-st kaol of feld. 40% of bi is chlor. Some pervasive silic in qtz-ser-py zone.	Mo on 60° and 75° fr in qtz-ser-py zone. #5948	15o 55o 70°	1	4-5	

LOCATION	CO-ORDINATES	NORTH	EAST	ELEVATION	21 30
DATE STARTED	DATE COMPLETED	SURVEYS		HOLE SIZE: BQ	TOTAL DEPTH	HOLE NO. D.D.H. 75-2

DEPTH From	DEPTH To	CORE Length	CORE %Rec	LITHOLOGY	ALTERATION	MINERALIZATION	STRUCTURE F	STRUCTURE V/Ft	STRUCTURE F/Ft	G
1650	1660	9'6"	95	Same bi-rich rock. Bi appears in greatest amounts adjacent to fr. Qtz ± py veins 1/ft. At 1651' open-space filling qtz of 5° fr plus py and minor mo. Fg py and bi occurs on 20% of fr. NB "bi" may be diss Mn.	Wk-mod kaol of feld. <20% bi is chlor(gen unalt).Ser env 1/2ft.	Mo on py-bi(?) filled fr, in two qtz veinlets and on two fr with ser-py.	15° 37° 60°	1-2	5	
1660	1670	9'8"	97	Same bi-rich rock to 1663'4" then bi falls off to 3%(the bi may be Mn since it was dull and almost dendritic). Ser ± py ± qtz env prominent(> 2/ft)especially from 1668-1669'6".	Mod-st kaol of feld.0-50% of bi chlor(increases downsection). Ser env prev,minor diss ser.	Good mo in ser-py ± qtz env.from 1668-1669'6".Py and bi(?) mod prev on fr.	30° 65°	2+	4-5	
1670	1680	10'	100	Same rock. Fg subporph qtz monz with 1-3% bi. From 1678-1680' is pervasive silic around qtz-ser-py ± mo env. Minor thin qtz veins.	Mod-st kaol of feld.0-70% bi chlor(spotty). Ser-py ± qtz env prev (3/ft).Minor k-spar on fr.	Mass mag in qtz-ser env. Minor mo with qtz in qtz-ser env.	25° 50° 75°	3	4-5	
1680	1690	9'6"	95	Same rock. Two small zones of pervasive kaol of gm including pale green clay on fr ± k-spar. Two zones of pervasive silic. Ser env 1/ft. In the kaol zone the ser-py env has been kaol.	St kaol of feld. <50% of bi is chlor. Local pervasive silic and kaol of gm.	Mo on two dry fr(30°,60°). Good mo + py on 40° fr.Mo on 50°joint. Py on fr and with ser.	15° 60°	1+	5	
1690	1700	10'	100	Same rock. Pervasive silic with qtz-ser-py-k-spar fr env to 1693'. Ser env <2/ft. Relatively unbroken section of core (due to silic).	St kaol of feld in middle of section. <30% bi chlor.Possible sec bi(?)	Mo on two 70° fr with py. Py in veins with ser or on dry fr, gen <1%.	35° 75°	2	4-5	
1700	1710	9'6"	95	Same rock. Wk-mod pervasive silic and qtz-ser env.Minor mo in env. At 1702'6" are two irreg open-space filling qtz veins sub// c.a. At 1707' are two small bi-mag-ser bands.	Wk-mod kaol of feld.20-40% bi is chlor.Ser and qtz-ser env 1/ft.Tr diss epid on fr.	At 1702' is 3"wide zone of diss ser and mo.At 1700' mo on fr with ser-py.Good mo in qtz vein and on joint.	35° 75°	1+	5	
1710	1720	10'	100	Same rock. Ser ± qtz ± py env and pervasive diss ser continues to 1711'6"(2 env/ft). Minor qtz veining.	Wk-mod kaol of feld. 20-50% bi is chlor.Sec qtz in gm and qtz-ser env are prev.	One thin qtz veinlet with sparse mo.One 0-5° irreg fr with ser-py-fl-mo.Mo on one dry fr and on six fr with ser + py. #5948	irreg sub// c.a. 30°	2	4	

LOCATION	CO-ORDINATES	NORTH	EAST	ELEVATION

DATE STARTED	DATE COMPLETED	SURVEYS	HOLE SIZE	TOTAL DEPTH	HOLE NO.
			BQ		D.D.H. 75-2

DEPTH From	DEPTH To	CORE Length	CORE %Rec	LITHOLOGY	ALTERATION	MINERALIZATION	STRUCTURE F	STRUCTURE V/Ft	STRUCTURE F/Ft	Grap' Log
1720	1730	10'	100	Same rock. At 1725'are irreg cluster of fg diss Mn(?) + fg py up to 5%. Larger euhedral bi grains occur here also and are unalt.	Wk-mod kaol of feld. <20% of bi is chlor.Ser ± py ± mo env 1/ft.	From 1725-1730' are six ser-py env containing mo. One of these also contains cpy and hematite(?)	5° 15° 25° 50°	1	2-3	
1730	1740	10'	100	Same rock. At 1733' and 1737 are bands of high bi ± mag. Dendritic diss Mn continues.	Wk-mod kaol of feld.Bi is uanlt.Ser env < 1/ft. Minor barren qtz veinlets.	At 1736' is good ser env 1"wide with qtz+py in centre and minor mo diss in wall-rock.Fg py prev on fr.	10° 35° 60°	1	3-4	
1740	1750	10'	100	From 1740-1742' diss ser and mag up to 50%. At 1742' is sharp 40° contact with pegmatite.Upper contact is marked by 2"wide zone of fr-fill k-spar and sph ± qtz. Lower irreg contact at 1743'6". From 1743'6" to end the rock is fg subporph qtz monz with 1-2% bi.	Wk kaol of feld. < 20% bi chlor.Ser pervasively diss from 1740-1742.	Thin vein of mo at upper contact of pegmatite.Sph +k-spar fr-fill at upper contact.At 1750' is start of good section of qtz-ser-py-mo env.	15° 50°	<1	2-3	
1750	1760	9'9"	98	Same rock.From 1750-1752'6" is zone of intense ser-qtz-py-mo env. Minor k-spar on fr. From 1752'6"-1756' is zone of 50% bi-ser-mag-py(pervasively diss).	Wk-mod pervasive silic from 1756-end.No kaol of feld. <30% bi chlor. Ser-qtz env 1-2/ft.	Good mo in thin veins in qtz-ser-py env at 1750'. Good mo on 60° joint with ser at 1756'.	55° 70°	1-2	3-4	
1760	1770	10'	100	Same rock. Fg subporph qtz monz, bi 1-2%. At 1761'6" is 3" ser env with qtz and py in centre.This env marks sharp 50° contact with pegmatite. Lower contact at 1762'6" is indistinct with a diss ser-rich fg qtz monz. Ser env and minor qtz veining 1+/ft.	Very wk kaol of feld. Bi unalt.Mod-st pervasive silic and ser env from 1763-end.	Py 1% in env and some fg diss. No mo.	35° 50° 85°	1+	4	
1770	1780	10'	100	Same rock. Pervasive silic and pervasive diss ser. Rock is relatively dark in colour due to diss fg py and mag. Mo on one fr with ser and py.	Very wk kaol of feld. 0-20% of bi chlor.Mod pervasive silic.St silic from 1774'6" to 1776'. Ser env 1-2/ft.	Good mo on fr in 3"wide ser-py-cpy env at 1775'6". Tr mo on 85° fr with ser. Mag on fr with ser at 1776'8".	50° 85°	1-2	2-3	

#5948

LOCATION	CO-ORDINATES	NORTH	EAST	ELEVATION	23 30
DATE STARTED	DATE COMPLETED	SURVEYS		HOLE SIZE: BQ	TOTAL DEPTH	HOLE NO.: D.D.H.75-2

DEPTH From	DEPTH To	CORE Length	CORE %Rec	LITHOLOGY	ALTERATION	MINERALIZATION	STRUCTURE F	STRUCTURE V/Ft	STRUCTURE F/Ft	Gr. L.
1780	1790	9'6"	95	Same rock. Vfg diss mag and py/bi(py may be replacing(?) bi) up to 3%. From 1783-1787' is zone of intense ser env with silic and diss ser between env(11 env in 4ft).Possible bornite on fr with py-ser.	No kaol.of feld or chlor of bi.Wk-mod pervasive silic from 1780-1783'. Ser env overlap from 1783-1787'.	Good mo in ser-py-cpy zone on fr and vfg diss.At 1783' mo on 20° fr in ser env where it intersects 10° qtz veinlet.	25° 55° 80°	2	3-4	
1790	1800	10'	100	Same rock. From 1791'8"-1793'6" are 11 small veins and env of ser ± py,qtz. Mo in 4 of these env, mag in one also. From 1799'6" to end is diss dendritic Mn-py-bi(?) up to 5+%.	No kaol of feld,wk-mod pervasive silic. < 30% bi chlor.	Mo in four ser-py-qtz env.Mag in 3 of these env (2 at 1799'3").	25° 35° 65°	2-3	3-4	
1800	1810	9'6"	95	Same rock. Diss dendritic Mn-py-bi(?) up to 10% locally.Gouge zones at 1805'6", 1807'6", 1809' all approx 30° to c.a. Euhedral bi < 1%. No ser env, minor qtz veining.	No kaol of feld or alt of bi.Pervasive kaol of gm adjacent to shears Wk-mod pervasive silic.	Mass mag on fr adjacent to shear at 1809'.Mo in gouge at 1805'6" and 1807'6".	20° 35° 55°	<1	4	
1810	1820	10'	100	Same rock. Diss dendritic Mn-py-bi(?) up to 5%,occasionally forming irreg rings.Euhedral bi < 1%.	No kaol or chlor.Wk-mod pervasive silic.Ser env 1/ft, diss ser 1%.	Mo in good 1"ser-py-qtz env at 1810'9",Minor mo on 60° fr with ser-py.Fg py mod prev on fr.Minor diss mo in silic rock.	irreg sub// c.a. 55°	1-2	2-3	
1820	1830	9'8"	97	Same rock. Mn-py-bi(?)up to 3%, almost no euhedral bi. Very competent rock as in previous sections.	No kaol or chlor.Wk-mod pervasive silic.Ser ± qtz-py-mo env 2/ft.	Vfg diss mag.Mo in good ser-py env at 1820'4".Mo on 5 fr with ser ± py and cpy.	23° 80°	2-3	5	
1830	1840	10'	100	Same rock. Good zone of intense ser and pervasive silic from 1830-1835'6". Minor k-spar on fr.Minor gouge at 1839'9".From 1837'6"-end is thin qtz veining 3+/ft(one contains mo).	No kaol or chlor.Mod-st pervasive silic.Diss ser and ser env from 1830-1835'6"(2/ft).	High grade(1%mo)bx zone at 1831'(4"in size) is healed by qtz-ser-py-mo-k-spar(xtals of qtz in cavities also).Minor mo in rest of ser-qtz zone.	35° 60° 80°	2+	5	
1840	1850	9'3"	93	Same rock. Mn-py-bi(?) up to 4% locally. Euhedral bi < 1%.Poor mo, no large env of ser-qtz-py. Less silic and slightly stronger kaol of feld.	Wk kaol of feld.Bi un-alt.Very wk pervasive silic.Ser env 1/ft,qtz veining 1/3ft.	Mo on two fr with py at 1845'6". #5948	10§ 30 55°	1-2	4	

LOCATION	CO-ORDINATES	NORTH	EAST	ELEVATION	24 30
DATE STARTED	DATE COMPLETED	SURVEYS		HOLE SIZE: BQ	TOTAL DEPTH	HOLE NO.: D.D.H. 75-2

DEPTH From	DEPTH To	CORE Length	CORE %Rec	LITHOLOGY	ALTERATION	MINERALIZATION	STRUCTURE F	STRUCTURE V/Ft	STRUCTURE F/Ft	G... L...
1850	1860	10'	100	Same rock but Mn-py-bi diss drop to <1%. 3"gouge zone at 1850' and 30°. Very minor barren qtz veinlets.	Very wk kaol of feld. Bi unalt. Wk pervasive silic from 1857'6"-end. Ser-py env 2+/ft.	Mass py in good qtz-ser env with good mo at 1853'4" and 1856'4". Mo on 4 fr with ser-py and on one dry fr.	30° 40° 85°	2-3	4	
1860	1870	10'	100	Same rock. 30° gouge at 1860'10". Dendritic diss up to 10% especially adjacent to fr or shears(sec bi?). Wk pervasive silic continues.	Very wk kaol of feld. Bi unalt. Wk pervasive silic Ser-py env 2+/ft. Qtz veinlets 1/2ft.	Vfg diss mag in tr amounts. Minor mag in one ser env. Mo in 4 ser-py env, in one qtz vein, on two fr with py which cut off 2 ser-py-mo env.	20° 65°	2+	4	
1870	1880	10'	100	Same rock - fg eq qtz monz, bi 1-2%. Minor clay gouge along 0-5° fr. Dendritic diss of Mn-py-bi are prominent as diss adjacent to fr. Minor k-spar on fr with ser.	Very wk kaol, bi unalt. Very wk pervasive silic. Ser ± py env 2/ft. Qtz veinlets ± mo 1/ft.	5 thin qtz veinlets with sparse mo. Good mo in ser env stockwork from 1878-1879'. Mo on 20° and 70° fr with py and mo in thin stringers. Sparse mo in 5 ser env.	5-10° 65°	3	3-4	
1880	1890	10'	100	Same rock. Dendritic diss of Mn-py-bi mainly adjacent to fr. Ser ± py env 1-2/ft, prev in kaol zone where they are also kaol. Qtz veinlets 1/2ft. Minor k-spar with ser on fr.	Very wk pervasive silic to 1886'. Kaol along fr from 1886'-end. (Fr sub// c.a.) Wk-st kaol of feld. Spotty bi alt, 0-70% chlor.	Sparse mo in 4 qtz veinlets, very good mo on joints and gouge on irreg fr in the kaol zone. Vfg diss mag << 1%.	40° 60°	2+	3-4	
1890	1900	8'	80	Same rock - kaol zone continues to 1893'. From 1893-1895' ser-py env sub// c.a. and displace 4 dry fr(60°) with mo(1/2"-1" left lateral displacement). Minor barren qtz veinelts(1/5ft).	No kaol or chlor. Pervasive kaol of gm to 1893. Ser±py env 1-2/ft. From 1893-end is wk pervasive silic.	Mo on 3 fr in kaol zone, on 4 dry fr and in 2 ser-py env.	0-5° 40° 75°	1-2	4	
1900	1910	10'	100	Same rock. Dendritic diss of Mn-py-bi on some fr up to 10%. Diss ser(?) forms irreg band at 1908'6". Very minor k-spar in ser env.	Very wk kaol of feld. Bi unalt. Very wk silic. Ser ±py-mo env 1-2/ft. Qtz veinlets 1/2ft.	Mo in 2 ser-py env., in one qtz vein with py, on 50° joint with py. Py 1-2% with ser on fr.	25° 60°	2	3	

#5948

LOCATION	CO-ORDINATES	NORTH	EAST	ELEVATION	SHEET NO. 25 30
DATE STARTED	DATE COMPLETED	SURVEYS		HOLE SIZE: BQ	TOTAL DEPTH	HOLE NO. D.D.H. 75-2

DEPTH From	DEPTH To	CORE Length	CORE %Rec	LITHOLOGY	ALTERATION	MINERALIZATION	STRUCTURE F	STRUCTURE V/Ft	STRUCTURE F/Ft	Grap Log
1910	1920	10'	100	At 1910'9" is sharp but irreg contact with siliceous, light to medium grey, bi-poor rock. Lower contact is gradational. May be an aplite dyke - not well-fr. and contains 1/4-1/2" bands of pink qtz containing minor mo. At the lower contact is a zone of diss ser-mag. Minor gouge at 1918'. Dendritic diss of Mn-py-bi up to 10% gen adjacent to fr.	No kaol or chlor.Wk-mod pervasive silic.Ser ± py env < 1/ft.	Tr diss mo in aplite(?) Good mo in 2 thin qtz veins. Mo on one fr sub// c.a. with py and mag.	30° 80°	1	3	
1920	1930	10'	100	Same rock. Good zone of stockwork ser-py-qtz ± mo env with associated st pervasive silic from 1922'6"-1937'6". Vfg diss mo between env. Mn + py on 2 fr. Minor gouge 1924'6"-1925'.	No kaol or chlor.St pervasive silic in stockwork zone.From 1922'6"-1927'6" are 20 ser-py-qtz ± mo env.	Mo in one qtz veinlet, on one dry fr and seven fr with ser-py.	25° 45°	3-4	3	
1930	1940	10'	100	Same rock. Py + Mn + bi(?) prevalent on fr and diss(dendritic). 6"wide ser-py stockwork at 1938'; one large env with qtz-py at centre and minor mo as selvedges in qtz. Qtz veinlets 1/2 ft.	Very wk kaol of feld,bi unalt. Wk-mod pervasive silic;some cg sec qtz. Ser-qtz-py env 2/ft.	Mo in 2 qtz veinlets,on 3 joints with py.Good mo on 75° joint with py cut by ser env.Mo on 2 dry fr.	10-20° 35° 50°	2-3	4-5	
1940	1950	10'	100	Same rock. Broken core from 1940-1943'. At 1949' is start of intense qtz-ser pervasive alt. From 1940-1949' are 5 thin qtz veins. Two mo-bearing dry fr intersect(60° and 10°) at 1948'. Py-Mn mod prev on fr in kaol zone.	Very wk kaol of feld,bi unalt.Wk-mod pervasive kaol of gm along 0-5° fr. Wk-mod pervasive silic. Ser env 1/ft.	Mo on 3 dry fr, on 4 fr with ser and/or py,in 2 thin qtz veins.Also mo on one fr with fl and cpy.	20° 32° 60°	1+	5	
1950	1960	10'	100	Same rock. Cg sec qtz at 1950'2"(very thin pegmatite?) St qtz-ser-py alt continues. At 1956' mo on dry fr is cut by py ± qtz vein. Minor k-spar on fr. Diss ser-mag at 1959'.	No kaol or chlor.St pervasive silic and ser between overlapping qtz-ser-py env.	Mo in thin irreg fr with ser-qtz-py(2).Good mo at 1957'6" in irreg stockwork(8fr/ft).Py±cpy diss up to 2%.	30° 50°	3+	4	
1960	1970	9'8'	97	Same rock. St qtz-ser-py env alt continues. K-spar ± py mod prev on fr(later than qtz-ser-env). Minor qtz veining 1/ft.	No kaol or chlor.St silic and ser between env. Qtz-py-ser ± mo env 4/ft	Tr of mo in 50% of qtz-ser py env.Good mo from 1969-1970' on irreg dry fr. #5948	5-10° 50-60°	4-5	5	

LOCATION	CO-ORDINATES	NORTH	EAST	ELEVATION	26	30
DATE STARTED	DATE COMPLETED	SURVEYS Acid Etch	2000' Approx -68°	HOLE SIZE: BQ	TOTAL DEPTH	HOLE NO. D.D.H. 75-2

DEPTH From	DEPTH To	CORE Length	CORE %Rec	LITHOLOGY	ALTERATION	MINERALIZATION	STRUCTURE F	STRUCTURE V/Ft	STRUCTURE F/Ft	Graph Log
1970	1980	9'6"	95	Same rock. Fg eq qtz monz, bi 1-2%. Qtz-ser-py env alt continues to 1977' Env are less closely spaced than in previous section. Good mo occurs in several different ways. At 1979' is irreg zone of bi-ser-mag.	No kaol or chlor. Pervasive silic goes from st mod near end of section. Qtz-ser ± k-spar env 3/ft.	Mo in 20% of qtz-ser env. Mo on 8 fry fr(20°-70°). Mo on 5 joints with fg py (40°-80°). Good mo with qtz-k-spar at 1973'.	30° 70°	3	5	
1980	1990	9'6"	95	Same rock. Ser-qtz env less prominent. Mo on dry fr more prev. Zone of good mo from 1983' end. Qtz veinlets also more prominent 1/ft. At 1984' py-ser env cuts mo on dry fr. Good fr density. K-spar mod prev on fr.	Very wk kaol of feldspars, chlor of bi is spotty up to 100%. Mod-st pervasive silic. Minor qtz-ser env 2/ft.	50% of ser-qtz±py env contain tr of mo. Mo on 15-20 dry fr(60°-80°), on 8 joints with py(30°-60°), in two qtz veinlets.	25-30° 70°	2-3	5	
1990	2000	9'8"	97	Same rock. Good mo zone including vfg diss mo. Good qtz-ser-py-mo env from 1993-1996' sub// c.a.	Very wk kaol of feld, bi unalt. Mod pervasive silic. Qtz-ser-py±mo env 3-4/ft.	50% of ser-qtz-py env contain sparse to good mo. Mo also on 13 dry fr and in 2 qtz veinlets. Mo on 5 joints with fg py. Fl on fr with k-spar ± mo.	0-5° 35° 65°	3-4	4-5	
2000	2010	10'	100	Same rock. Relatively good mo. Dry fr not as prominent but some significant diss fg diss mo. Patchy silic. Minor barren k-spar fr-fill. At 2009'8" is irreg zone of 50% diss bi-ser-mag-py(fg).	Very wk kaol of feld, bi unalt. Mod-st pervasive silic. Qtz-ser env 2/ft.	50% of qtz-ser±py env contain sparse to good mo. Diss fg mo < 1%. Mo on 8 joints with fg py, also on 1 dry fr.	20° 30° 40° 60°	2-3	3-4	
2010	2020	8'6"	85	Same rock. At 2014'6" is relatively sharp contact with pegmatite. Lower contact is gradational at 2016' to a st silic zone. Irreg zones of bi-mag up to 15%(bi unalt).	Wk kaol of feld, bi unalt. Wk-mod pervasive silic. St silic below pegmatite. Qtz-ser env 3/ft. Minor qtz veinlets.	50% of qtz-ser±py env contain mo. Mo on 12 dry fr(50-70°). Vfg diss mo evid.	15-40° (irreg)	3	4-5	
2020	2030	10'	100	Same rock. Mo on dry fr is the most prominent form of mineralization. Diss vfg mo occurs throughout. (« 1%).	Wk-st kaol of feld, 60% bi chlor. Mod-st pervasive silic. Qtz-ser env 1-2/ft. Chl prev on fr.	50% of qtz-ser±py env contain mo. Mo on 23 dry fr (20-70°), on 3 fr with py and chl, in 2 qtz veinlets.	10° 25° 55°	2	5	

#5948

DRILL LOG

SHEET NO. 27 30

LOCATION	CO-ORDINATES	NORTH	EAST	ELEVATION

DATE STARTED	DATE COMPLETED	SURVEYS	HOLE SIZE	TOTAL DEPTH	HOLE NO.
			BQ		D.D.H. 75-2

DEPTH From	DEPTH To	CORE Length	CORE %Rec	LITHOLOGY	ALTERATION	MINERALIZATION	STRUCTURE F	STRUCTURE V/Ft	STRUCTURE F/Ft	Gr Lo
2030	2040	9'	90	Same rock. Kaol of feld increases(mod-st). Poor to fair mo; diss fg mo still evid especially in highly silic zones.Chl mod prev on fr.	Mod-st kaol of feld;50% bi chlor.Mod-st pervasive silic.Ser-qtz env less prev(1/ft).	Sparse mo in 6 qtz veinlets.Mo in 4 qtz-ser env, on 2 joints with py.No dry fr.	0 15-20° 60°	1-2	5	
2040	2050	10'	100	Same rock. Qtz-ser env become prominent again at 2044'. Large env from 2044-2045'6" with core of k-spar.	Wk-mod kaol of feld, >50% bi chlor.Mod-st pervasive silic.Qtz-ser env from 2044-end(3/ft).	20% of qtz-ser env contain mo,minor fl on one. Mo in 2 qtz veinlets,on 2 dry fr, on 1 joint with py.Mag on 1 fr with qtz-py.	20° 45° 60°	3	5	
2050	2060	10'	100	Same rock. Broken core from 2050-2052'. Good dry fr with thin stringers at 2051' and 2051'6"(both zones 1"wide). Chl mod prev on fr.	Patchy kaol of feld, patchy chlor of bi(25-100%).Wk-mod pervasive silic(increases down-section).Ser env minor 1/ft.	Mo on 11 dry fr, in 4 qtz-ser env,and in 2 qtz veinlets.Py 1%.	30° 45°	1+	4-6	
2060	2070	10'	100	Same rock. Mass mag occurs in 2 qtz-ser-py±mp env. Tr diss vfg mag and mo. Dry fr with mo prominent.	Very wk kaol of feld, bi unalt.Mod-st pervasive silic.Ser env not as prominent(1/ft).	Good mo in qtz-ser-py-mag env from 2062'6"-2063'6". Mo on 8 dry fr(45°).	30° 40° 50°	1+	4-5	
2070	2080	8'9"	88	Same rock. Fg eq qtz monz, bi 1-2%. At 2077' dry fr with mo is cut by ser-qtz-py-mo env. Mo predominantly on dry fr.	Very wk kaol of feld, <20% bi chlor.Wk-mod pervasive silic.Minor chl on fr.Ser±qtz,py,mo env are thin(1/ft).	Mo on 14 dry fr(15-50°), sparse to good mo.Mo in 6 ser±qtz-py env,on 2 joints (50°)with py,in 2 qtz veinlets. <1% py.	15° 40°-65°	1-2	5-6	
2080	2090	10'	100	Same rock. Tr diss vfg mag and mo(best diss mo in st silic zone). At 2086'6" good mo along edges of 2 mm wide 20° qtz vein, also thin stringers of mo into wall-rock.	Very wk kaol of feld, <20% bi chlor.Intense pervasive silic from 2087-end.Minor diss ser and epid(?).Ser±qtz-py env minor (<1/ft).	Mo in 2 ser-py env,in 2 qtz veinlets(20°,80°),on 9 dry fr(15°,40°,80°). #5948	15° 25° 60°	1+	2-3	

LOCATION	CO-ORDINATES	NORTH	EAST	ELEVATION	28	30
DATE STARTED	DATE COMPLETED	SURVEYS		HOLE SIZE: BQ	TOTAL DEPTH	HOLE NO. D.D.H. 75-2

DEPTH From	DEPTH To	CORE Length	CORE %Rec	LITHOLOGY	ALTERATION	MINERALIZATION	STRUCTURE F	STRUCTURE V/Ft	STRUCTURE F/Ft	Gra L
2090	2100	10'	100	Same rock. St pervasive silic continues to end of this section. Diss mo significant in silic zones(gives rock blue colour-may be aplites?) Minor qtz veinlets.	Wk-mod kaol of feld, < 20% bi chlor.Mod-st pervasive silic.Thin ser-py±mo env 1-2/ft.	Mo on 11 dry fr(15-80°). Mo in 8 ser-py env,in 1 thin qtz veinlet.	20° 40° 50°	2	4- 5	
2100	2110	9'	90	Same rock. Ser-py env become prev from 2108'6" to end; cut mo on dry fr and also in qtz vein. Vfg diss mo ≪ 1%.	Wk-mod kaol of feld, < 10% bi chlor.Wk-mod pervasive silic.Ser-py ± mo env 2/ft.	Good zone of mo from 2108' 6" to end.Mo on 9 dry fr, in 2 qtz veins,in 4 ser-py env.	15° 25° 60°	2- 3	2- 3	
2110	2120	10'	100	Same rock. Two good 3mm wide qtz veins at 20° have good selvedges of mo(one qtz-mo vein cuts a ser-py env). Minor gouge at 2118' sub// c.a., contains epid and clay. At 2118' is irreg band of ser-mag-bi up to 30%.	Wk-mod kaol of feld, < 20% bi chlor.Mod-st pervasive silic.Ser-py env prominent(2/ft).	50% of ser-py env contain some mo.Mo on 7 dry fr. Vfg diss mo≪ 1%.				
2120	2130	10'	100	Same rock. At 2125' silic increases and qtz phenos become evid(10%) - subporph. Two barren qtz veins 4mm wide cut dry fr with mo. Vfg diss mo ≪ 1%.	Mod kaol of feld,10% bi chlor.Mod-st pervasive silic.Ser-py±qtz,mo env 2/ft.Tr diss epid.	>50% of ser-py env contain mo.Mo on 12 dry fr with prominent trend at 75°.	35° 55°	2	5	
2130	2140	9'6"	95	Same rock(subporph). Minor qouge at 2136' and 2139' sub// c.a. Minor qtz veining(1/3ft). Minor k-spar or rhodonite? on fr. Diss mo evid. Mo prev on dry fr.	Mod-st kaol of feld, <30% bi chlor.Mod-st pervasive silic.Ser-py env not prominent(<1/ft). Chl mod prev on fr.	Mo in 2 qtz-ser-py env,2 ser-py env,2 thin qtz veinlets.Mo in 16 dry fr (45-75°).	15° 35° 55°	1+	5	
2140	2150	10'	100	Same rock. From 2141'6"-2143' are 6 mo-qtz bands // and 10° to c.a. Mo occurs as selvedges. From 2146'-2149' is increase of diss mag-ser-chl. One qtz-mo vein is cut by ser-py env. Ruby red mineral on one fr with ser-py(hematite?)	Wk-mod kaol of feld,10% bi chlor.Wk-mod pervasive silic.Ser-py±qtz env(1/ft).	Mo prominently with qtz (8veins) and on 7 dry fr. Mass mag occurs in 2 qtz-ser-py-mo env.Mo in 2 ser-py env.	15° 30° 55°	1- 2	5	
2150	2160	9'6"	95	Same rock. Alteration changes: 2150-2155'6"=wk pervasive silic; 2155'6"-2157'= pervasive kaol(wk-mod pale gr clay); 2157'-end=pervasive silic and ser env. Minor gouge at 2158'.	>80% bi chlor.Ser-py env 2/ft.	Mo in 50% of ser-py env. Mo on 16 dry fr(45-60°). Minor fl on one fr. #5948	20° 60°	2+	6	

DRILL LOG

SHEET NO. 29 30

LOCATION	CO-ORDINATES	NORTH	EAST	ELEVATION

DATE STARTED	DATE COMPLETED	SURVEYS	HOLE SIZE	TOTAL DEPTH	HOLE NO.
			BQ		D.D.H. 75-2

DEPTH From	DEPTH To	CORE Length	CORE %Rec	LITHOLOGY	ALTERATION	MINERALIZATION	STRUCTURE F	STRUCTURE V/Ft	STRUCTURE F/Ft	C L
2160	2170	9'9"	98	Same rock but slightly more porph. Pervasive ser/silic zone ends at 2160'6". Qtz veinlets 1/2 ft. Minor earthy hematite(?) on fr with ser-py.	Mod-st kaol of feld, >60% bi chlor. Wk-mod pervasive kaol (pale green clay). Ser-py env < 1/ft.	Mass mag in 1 qtz-ser-mo env. Mo in 4 qtz veinlets, in 4 ser-py env. Mo on 8 dry fr and 3 with py.	20° 35° 70°	1+	5	
2170	2180	10'	100	Same rock. Fg subporph qtz , bi 1-3%. Best mo occurs in dry fr from 0-20°. Ser-py env are kaol.	Very wk kaol of feld. <20% bi chlor. St pervasive kaol of gm from 2174-2177'. Ser-py env < 1/ft.	Good mo on 8 dry fr sub// c.a. Minor mo in ser-py env.	15° 60°	1+	4-5	
2180	2190	10'	100	Same rock. Fg subporph qtz monz, bi 1-3%. Good mo in irreg fr network at 2188'6".	Very wk kaol of feld, <20% bi chlor. Wk-mod pervasive kaol of gm. Ser-py env < 1/ft.	Good mo in 9 dry irreg fr. Minor mo in 2 ser-py env.	0° 60°	<1	4-5	
2190	2200	10'	100	Same rock. Bi-ser-mag up to 20% from 2192-2193'. Gouge at 2196'. One ser-py env with mass mag.	Wk kaol of feld, 20% bi chlor. Wk pervasive kaol of gm. Ser-py env 1/ft.	Mo on 4 dry fr (sparse to good mo). Mo in 1 qtz veinlet, in 3 ser-py env.	45° 70°	1	5	
2200	2210	9'6"	95	Same rock. 8" gouge zone (15°) at 2203'4". Wk clay gouge throughout section. Minor small zones of pervasive silic.	Wk kaol of feld, < 20% bi chlor. Mod-st pervasive kaol of gm. Minor ser-py env.	Mo on 7 dry fr (sparse to good mo).	5-10° 50°	1	5	
2210	2220	10'	100	Same rock. Ser-py ± mag ± mo env prominent from 2216-end (1-3/ft).	Wk kaol of feld, < 50% bi chlor. Wk-mod pervasive kaol of gm.	Mo on 5 dry fr, in 2 qtz veinlets. Mo in 4 ser-py env; 2 of these contain mass mag.	-	1-2	5	
2220	2230	9'	90	Same rock. Broken core, pale green clay prev on fr. Shearing sub// c.a.	St pervasive kaol adjacent to shearing. <20% bi chlor.	Mo on a minimum of 4 dry fr.	-	-	5-8	
2230	2240	7'6"	75	Same rock. Broken core. Core and gouge to 2235'.	Mod pervasive kaol of gm. Mod kaol of feld, 50% bi chlor.	Mo on a minimum of 3 dry fr. #5948	-	-	-	

DRILL LOG

SHEET NO. 30 30

LOCATION	CO-ORDINATES	NORTH	EAST	ELEVATION

DATE STARTED	DATE COMPLETED	SURVEYS	HOLE SIZE	TOTAL DEPTH	HOLE NO.
			BQ		D.D.H. 75-2

DEPTH From	DEPTH To	CORE Length	CORE %Rec	LITHOLOGY	ALTERATION	MINERALIZATION	STRUCTURE F	STRUCTURE V/Ft	STRUCTURE F/Ft	Grd Lo
2240	2250	9'	90	Same rock. Relatively solid section. Two very good 40° fr-fillings at 2247' with k-spar-py-sph(wolframite?)	Mod-st pervasive kaol of gm. Minor ser env.	Mo on 7 dry fr.	45° 50°	<1	5	
2250	2252	1'6"	75	Same rock. Broken core. END OF 75-2	St pervasive kaol of gm.	One dry fr with mo noted.	-	-	-	

#5948