'79-#422-# 7557

ASSESSMENT REPORT
ON THE
1979 DIAMOND DRILLING PROGRAM
OF THE SALAL MINERAL CLAIMS

SALAL 8 (20 UNITS) SALAL 9 (20 UNITS)

OWNED BY
UTAH MINES LTD.

OPERATED BY
UTAH MINES LTD.
B.P. MINERALS LIMITED

REPORT BY J.R. DEIGHTON
A.J. SCHMIDT

SALAL CREEK AREA
LILLOOET MINING DIVISION, B.C.
LOCATED 65 KM NORTHWEST OF PERMBERTON
123°16' LONG. 50°48' LAT.

92J/14W

BRITISH COLUMBIA MINING RECEIPT

Mining Division Lillooet

Issued at Vancouver № 131547 E

Date October 4, 19 79

RECEIVED from Utah Mines Ltd

the sum of Twenty-Four Hundred Dollars,

in payment of Recording work ($48,000) to apply to SALAL #9 & #8; (40 units)

Signature G. Phillips

$ 2400.00 xx

Office SUB-RECORDER

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
No. 7557

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TABLE OF CONTENTS

	Page
Summary	
General Statement	1
Location and Access	1
Road Construction	1
Support and Supplies	1
Location Map	Following Pg. 1
Topography, Climate, Glaciation & History	2
Land Status	2
Personnel	3
Camp	3
Diamond Drilling	3
Claim Boundaries and Drill Hole Location Map	Following Pg. 3
Core Logging	4
Geochemistry of the Diamond Drill Hole	4
Figure #1 Normalized Frequency Distribution Molybdenum	Following Pg. 6
Figure #2 " " " Tungsten	" " 6
Figure #3 " " " Zinc	" " 6
Figure #4 " " " Fluorine	" " 6
Figure #5 Cumulative Probability Plot Molybdenum	" " 6
Figure #6 Cumulative Probability Plot Tungsten	" " 6
Figure #7 Cumulative Probability Plot Zinc	" " 6
Figure #8 Cumulative Probability Plot Fluorine	" " 6
Results of Diamond Drill Program	7

		Page No.
Conclusions and Recommendation	Pg.	9
Legend	Following Pg.	9
Cross Section Through Drill Hole 79-1 1:10,000 Scale	Following Pg.	9
Statement of Costs		10
Certification		
J. R. Deighton		13
A. J. Schmidt		14

Appendix I

Diamond Drilling Logs

Appendix II

Mason Bills

SUMMARY

A 941.5 metre diamond drill hole was drilled in the west fork of Salal Creek at an elevation of 1450 metres approximately half way between #1 and #2 Creeks. The purpose of the hole was to test the possibility of finding a "Henderson" type molybdenum orebody beneath the area of concentric and radiating quartz feldspar porphyry dykes and an area that had anomalous geochemical values (Mo, Zn, F, W) in rocks and silts.

General Statement

The 1979 drill season, from June 28th to August 24th, was spent in drilling a single 941.5 metre diamond drill hole between #1 and #2 Creeks in the western fork of Salal Creek at an elevation of 1450 metres.

A drill camp was constructed in the west fork of Salal Creek to accommodate the drill crews and geological staff and to provide logging and storage facilities for the drill core.

Location and Access

The Salal Creek Molybdenum Property is located approximately 170 kilometres north of Vancouver at the headwaters of Salal Creek, a tributary of the Lillooet River, (Figure 1). It lies within typically rugged terrain of the Coast Mountains at 50° 48' latitude and 123° 16' longitude.

Access to the property is via road or rail as far as Pemberton, then via a gravelled logging road that extends northwards up the Lillooet River on the northeast side to Pebble Creek. Helicopter transport is necessary from this point to the property, a distance of approximately 15 kilometres.

Road Construction

B. C. Hydro, during the summer of 1979, has undertaken the construction of a road from Pebble Creek to a point roughly 5 km. northwest of Salal Creek, on the north side of the Lillooet River. This road, when it is completed, will bring the road access to the Salal Creek Property within 10 km.

Support and Supplies

Helicopter support for the operation of the program was obtained from the Okanagan Helicopter base at Alta Lake, approximately 120 kilometres to the south of the property.

Supplies were obtained in Vancouver and shipped via truck to Alta Lake, or were purchased locally at Alta Lake and flown into the property every three to seven days.

SCALE
1 inch = 8 miles
1 : 500,000
10 KM.

LOCATION MAP

Figure I

Topography, Climate, Glaciation and History

For information on topography, climate, glaciation and history, the reader is referred to the 1976 Final Report (Salal Creek Molybdenum Property--1975 Drilling Report--and the 1977 Final Report Salal Creek Molybdenum Property--1976 Drilling Report) both reports by D.K. Mustard and R.H. Wong of B.P. Minerals Ltd., Vancouver.

Land Status

The following table provides a breakdown of the claims currently held by the joint venture, and their expiry dates:

Claim Name	Units	Record No.	Valid To	Claim Holder
Salal 1	20	109	August 1, 1984	B.P. Minerals
Salal 2	20	110	August 1, 1989	B.P. Minerals
Salal 3	20	111	August 1, 1988	B.P. Minerals
Salal 4	20	112	August 1, 1989	B.P. Minerals
Salal 13	9	648	August 1, 1986	B.P. Minerals
Salal 6	9	114	August 1, 1985	B.P. Minerals
Salal 7	9	115	August 1, 1984	B.P. Minerals
Salal 8	20	557	October 6, 1988	Utah Mines Ltd.
Salal 9	20	558	October 6, 1988	Utah Mines Ltd.
Salal 10	20	559	October 6, 1985	Utah Mines Ltd.
Salal 11	6	560	October 6, 1986	Utah Mines Ltd.
Salal 12	16	561	October 6, 1986	Utah Mines Ltd.
	189	Total number of units held.		

Personnel

The camp construction and drill site preparation was carried out by Utah Mines Ltd. and Bema Industries Ltd. staff.

The drilling was carried out by D.W. Coates Enterprises Ltd. staff, who also provided the cook for the camp.

Core logging and core splitting and sampling was carried out by G.H. Rayner, P.Eng. and B. Natyna, Assistant.

Drafting on maps presented was done by C. Donders.

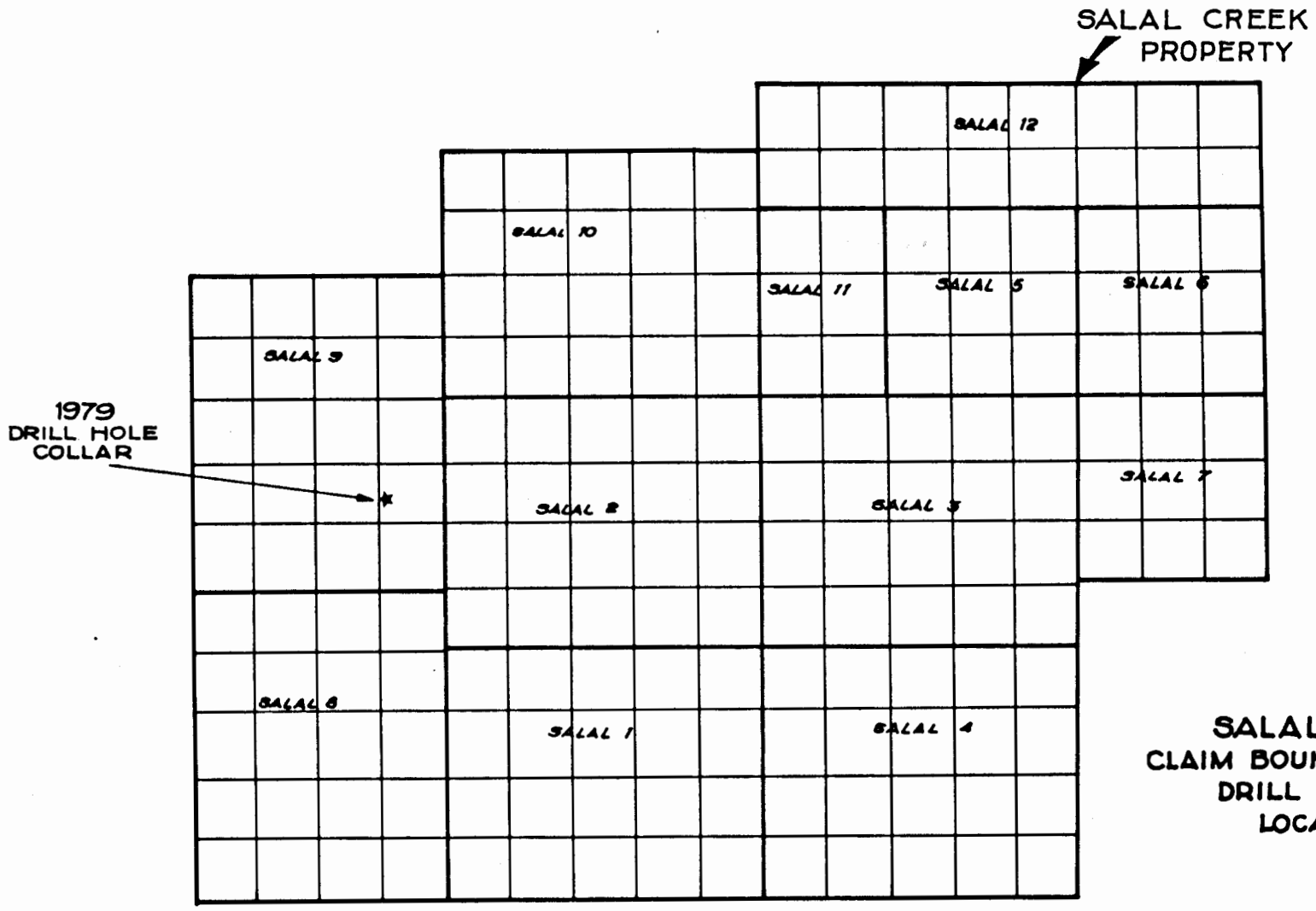
Camp

Camp facilities used during the program consisted of one 14'x20' combined wooden shack for kitchen and dry and six 14' x 16' wooden floored tents for office, supplies, core logging and accommodation.

A diesel generator was supplied to supply power to the camp. The camp was partially prefabricated in Vancouver and transported by truck to the end of the road and then flown in by helicopter to the camp site. Construction of the camp took place from June 28th to July 14th, 1979 in conjunction with the building of the drill site.

Diamond Drilling

One diamond drill hole, 79-1, was drilled at Salal Creek during the 1979 field season. The hole went to a depth of 941.5 metres (3089 feet) and was drilled at an azimuth of 050° true with a dip of -70°. The drilling was carried out by D.W. Coates Enterprises Ltd. of Vancouver using a Longyear 44 drill and took place from July 21st to August 24th, 1979.



SALAL CREEK
CLAIM BOUNDARIES AND
DRILL HOLE
LOCATION

A summary of the diamond drill hole is as follows:

Diamond drill hole #79-1
Depth 941.53 metres (3089 feet)
Overburden 10.67 metres
HQ coring 192.6 m. (632 feet)
NQ coring 467.6 m. (1534 feet)
BQ coring 281.3 (923 feet)
Collar elevation 1450 m.
Dip at collar -70°
Dip at bottom -74°
Azimuth 050° true
Core logged by G.H. Rayner

All core except for the young post mineral rhyolitic dykes of unit 9 were split and bagged on three metre intervals. Every second sample was shipped to Chemex Laboratories Ltd., 212 Brooksbank Avenue, North Vancouver and geochemically assayed in ppm for molybdenum, zinc, fluorine and tungsten. The remaining bagged samples and the unbagged split core was stored at the 1979 diamond drill camp.

Core Logging

The core logging of the 79-1 diamond drill hole was carried out by G.H. Rayner on a scale of 1 cm = 1 metre. The logs and the assay results are appended to this report.

Geochemistry of the Diamond Drill Hole

The geochemical results from assaying every second three metre run of diamond drill core do not show any trends that could be interpreted as halo effects from a buried "Henderson Climax" molybdenum ore body.

The geochemical values in all the phases of intrusive encountered down the hole are much the same as those found on surface throughout the Salal pluton. One exception to this is the marked build up of values in areas of shattering or faulting and the sericitic alteration found in three zones. Values up to 3500 ppm F and 45 ppm tungsten were recorded in these shattered sericitic zones. Other altered zones, found adjacent to young, late phase rhyolitic dykes show some increase in values in fluorine and tungsten.

The rock geochemistry near the top of the hole shows slightly higher values in zinc than the values further down the hole. Molybdenum values may also show this pattern but it is much more subtle than zinc. No explanation is readily apparent for this increase in values, except that it might reflect the mineralization found within the cone sheeting zone that should pass through the region near the top of the drill hole or the different rock types, (fine near top medium on bottom).

Extremely low values in molybdenum and tungsten were encountered in the medium grained quartz monzonite in the bottom section of the diamond drill hole from 770 metres to the end of the hole at 941 metres. The upper section of this medium quartz monzonite phase shows higher values in all elements, which may reflect the higher volatile content of a given phase of intrusion at its upper margin.

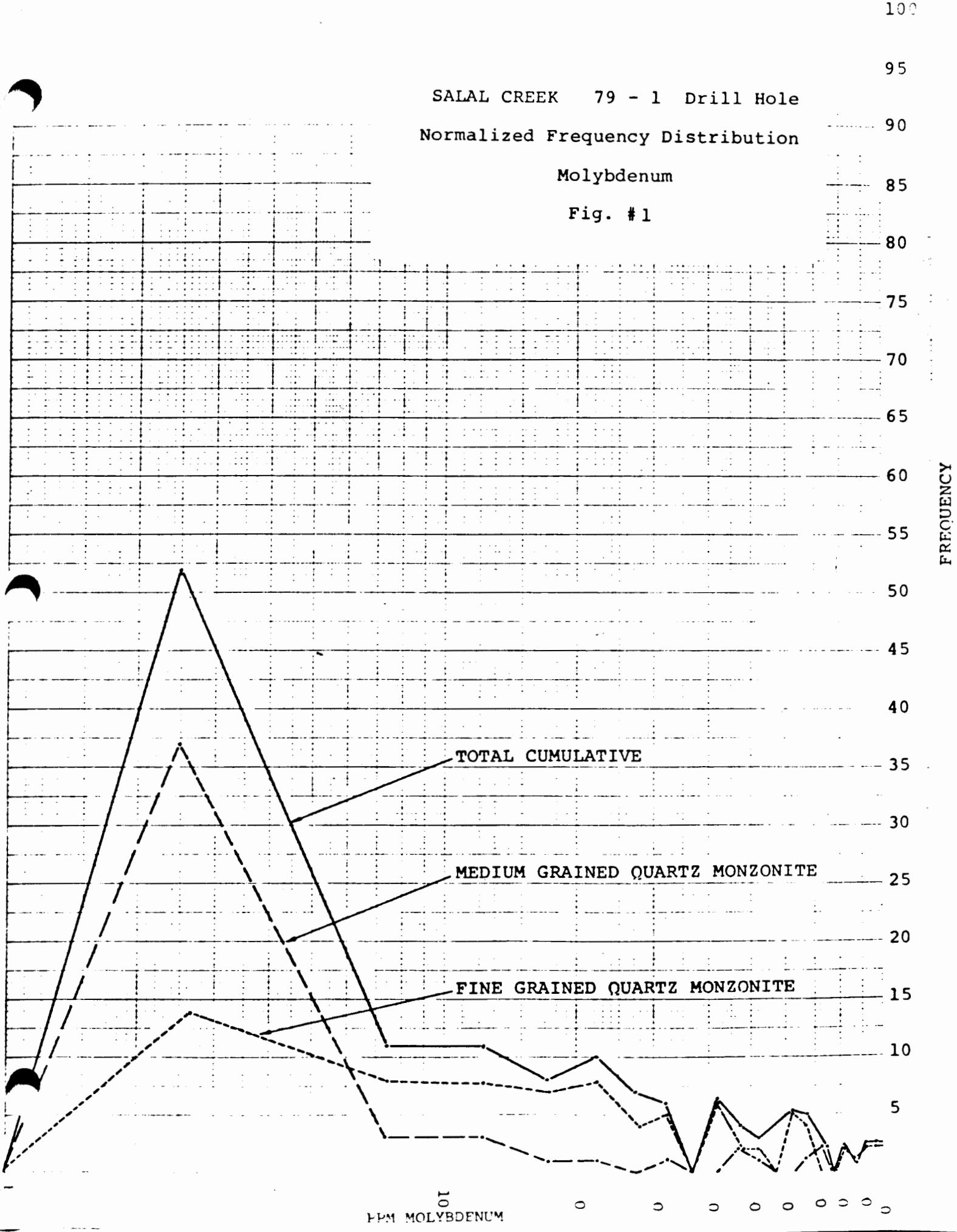
The geochemical plots (normalized frequency distribution and cumulative probability plot) for the 79-1 diamond drill hole show roughly the same distribution as the surface sampling plots carried out in 1977-78. One exception to this appears to be the element fluorine in both the medium and fine quartz

monzonite phases. Threshold and anomalous values for fluorine are roughly twice the value in the diamond drill hole as those of the surface sampling.

In the drill hole threshold values in fluorine are 500 ppm F in the medium grained phase, and 300 ppm F in the fine grained quartz monzonite phase compared to 200 ppm F on surface in the medium grained phase and 135 ppm F in the fine grained phase. Anomalous values in the drilling were 700 ppm F in the medium grained quartz monzonite and 600 ppm F in the fine grained quartz monzonite compared to 370 ppm F in surface sampling in both phases.

No coarse grained quartz monzonite was encountered in the drilling carried out this year so no comparison of values in this phase can be made.

Only short sections (2 metres or less) of quartz feldspar porphyry were cut in the drilling carried out during the year. These sections of porphyry were incorporated in three metre sections with the surrounding rocks. No separate analysis exists for comparison with surface sampling.

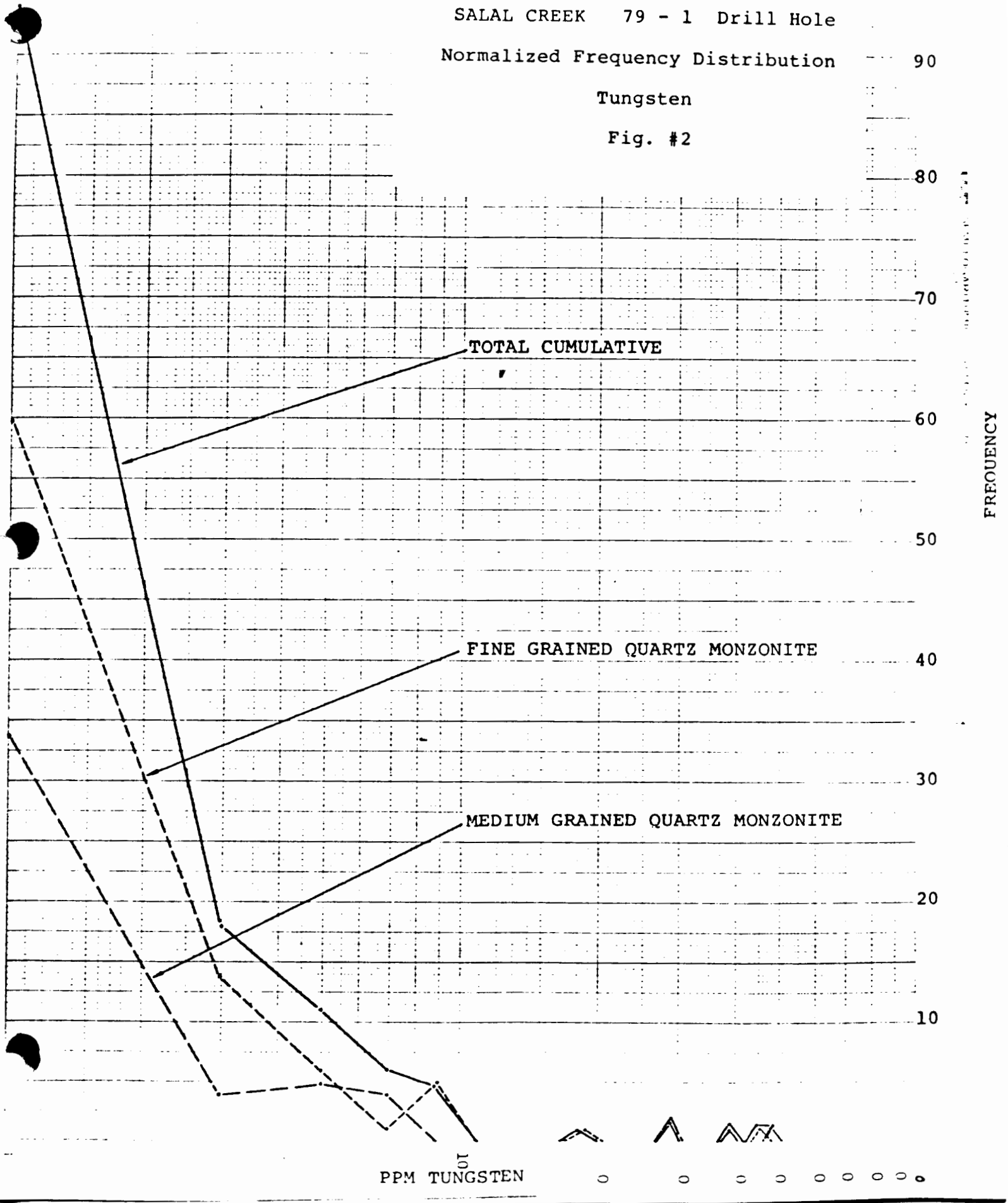

SALAL CREEK 79 - 1 Drill Hole
Normalized Frequency Distribution
Molybdenum
Fig. #1
TOTAL CUMULATIVE
MEDIUM GRAINED QUARTZ MONZONITE
FINE GRAINED QUARTZ MONZONITE
FREQUENCY
PPM MOLYBDENUM
100
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5

SALAL CREEK 79 - 1 Drill Hole

Normalized Frequency Distribution

Tungsten

Fig. #2

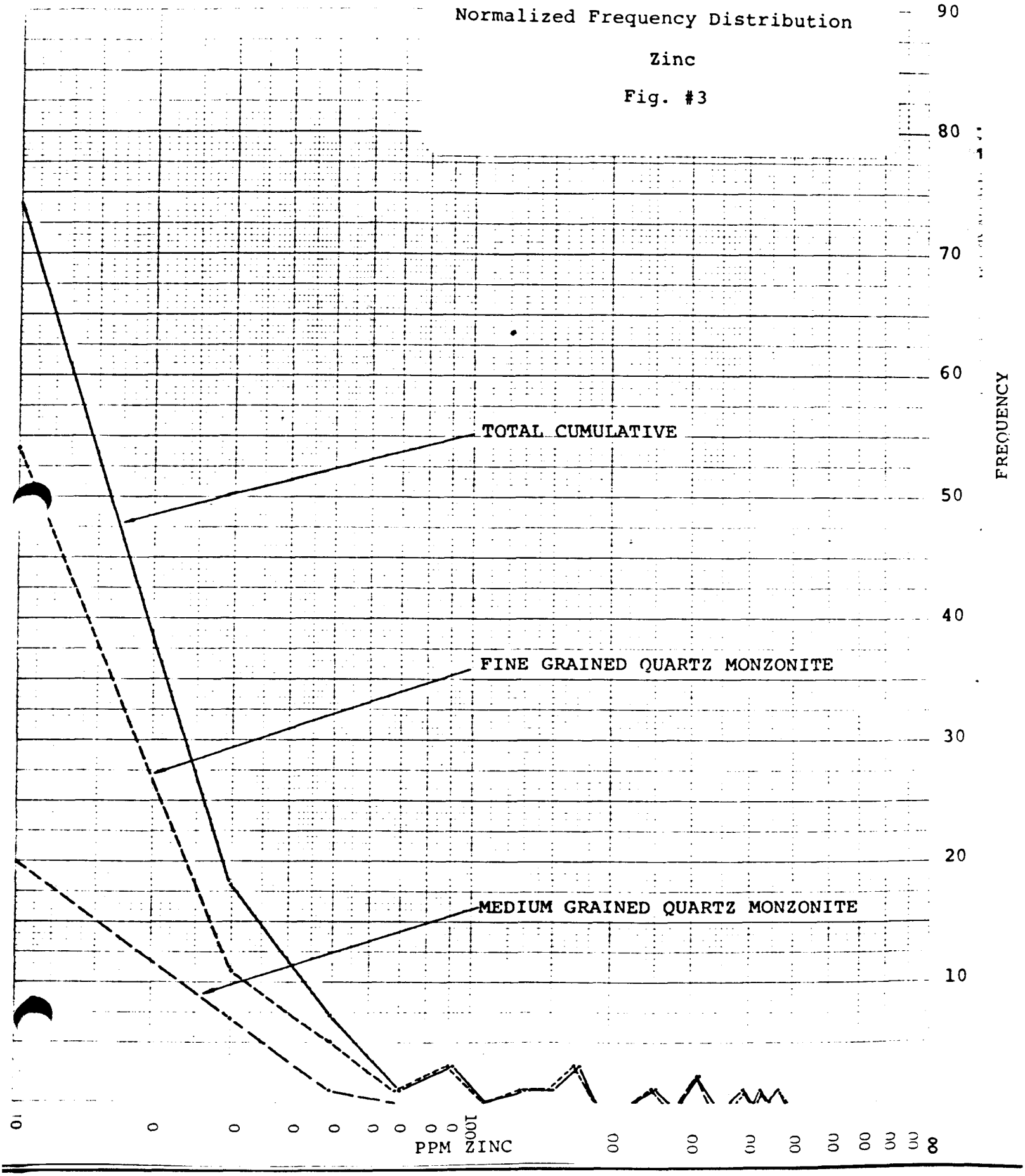


SALAL CREEK 79 - 1 Drill Hole

Normalized Frequency Distribution

Zinc

Fig. #3

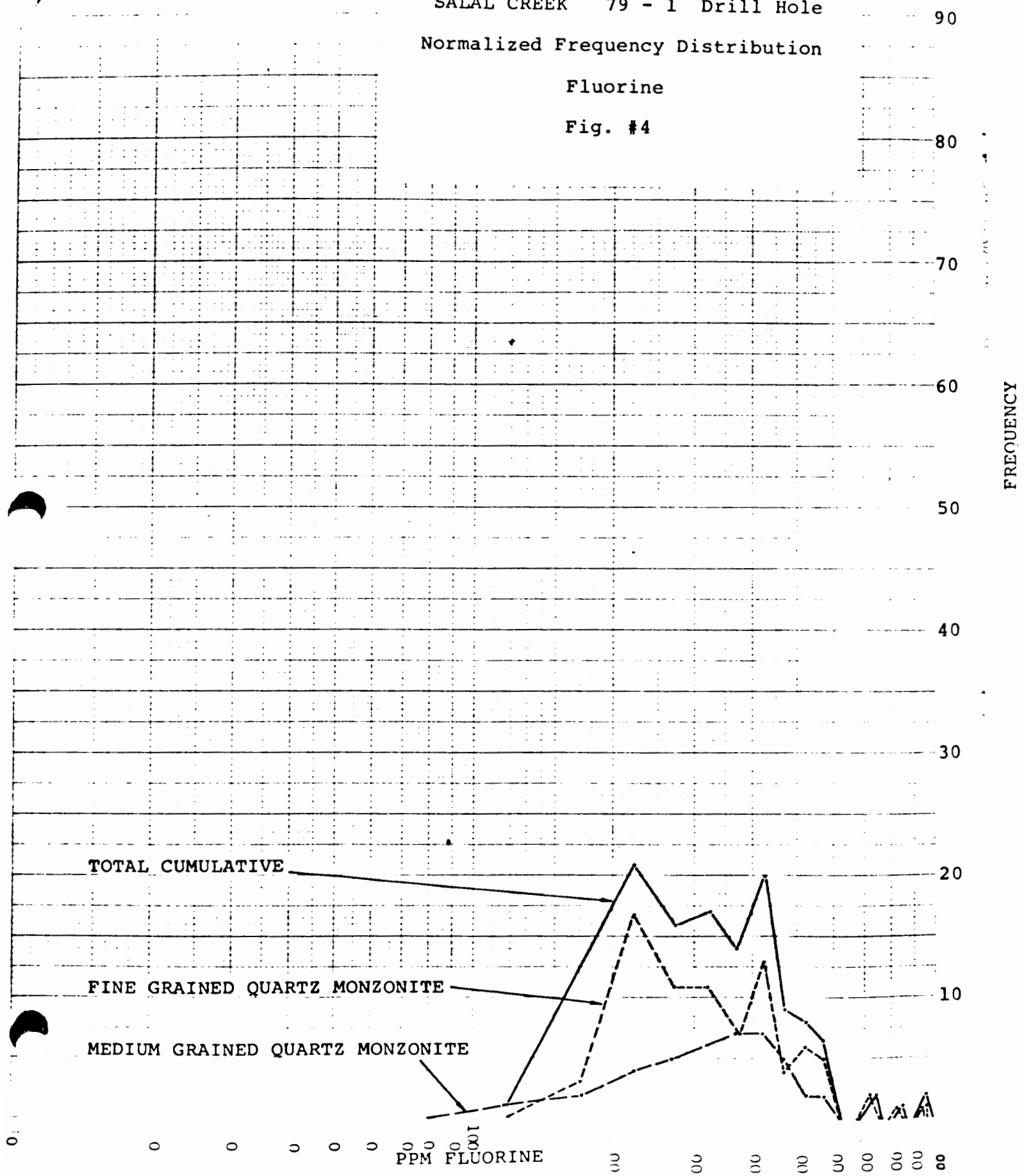


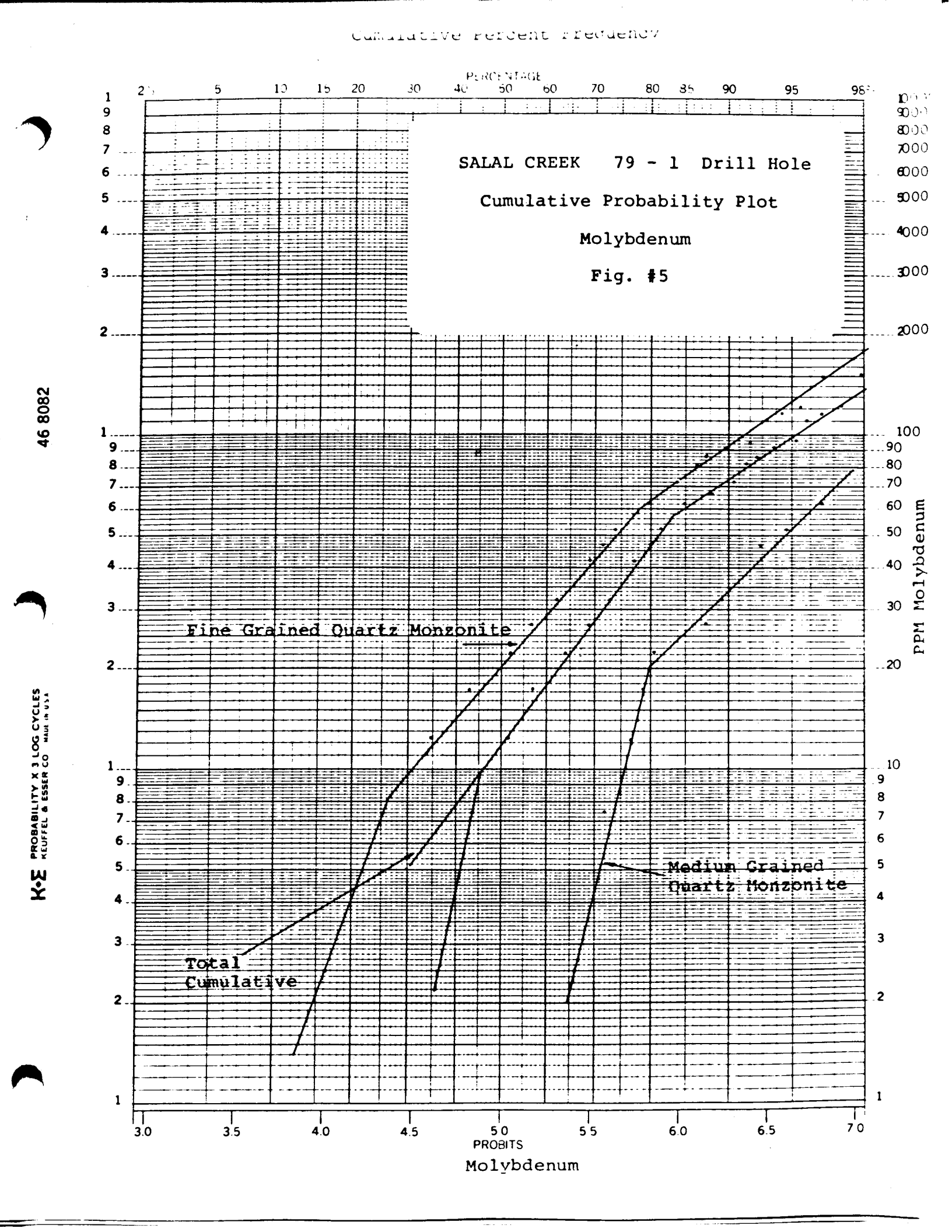
SALAL CREEK 79 - 1 Drill Hole

Normalized Frequency Distribution

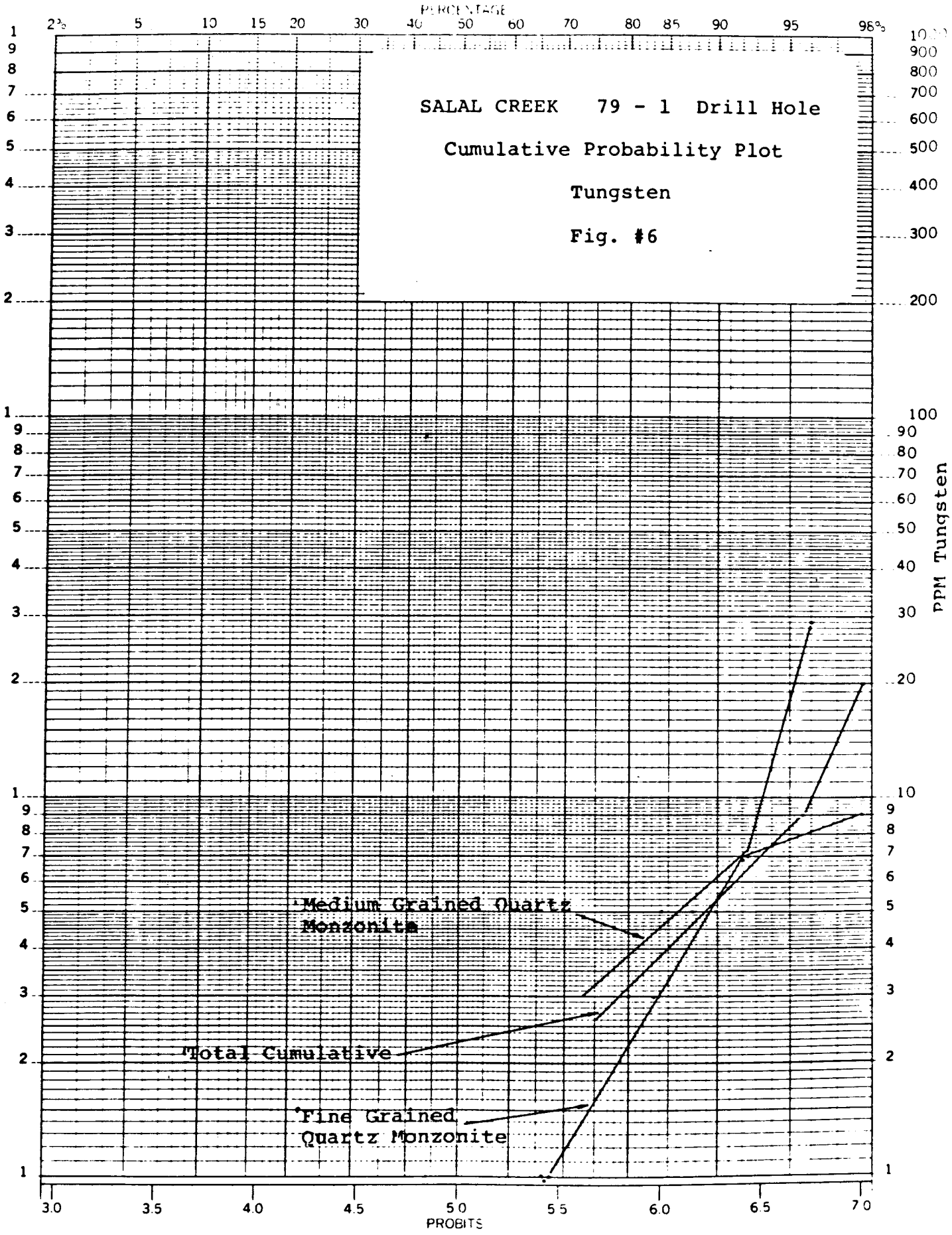
Fluorine

Fig. #4




Cumulative Percent Frequency
PERCENTAGE
SALAL CREEK 79 - 1 Drill Hole
Cumulative Probability Plot
Molybdenum
Fig. #5
Fine Grained Quartz Monzonite
Medium Grained Quartz Monzonite
Total Cumulative
PPM Molybdenum
PROBITS
Molybdenum
46 8082
K+E PROBABILITY X 3 LOG CYCLES KEUFFEL & ESSER CO. MADE IN U.S.A.

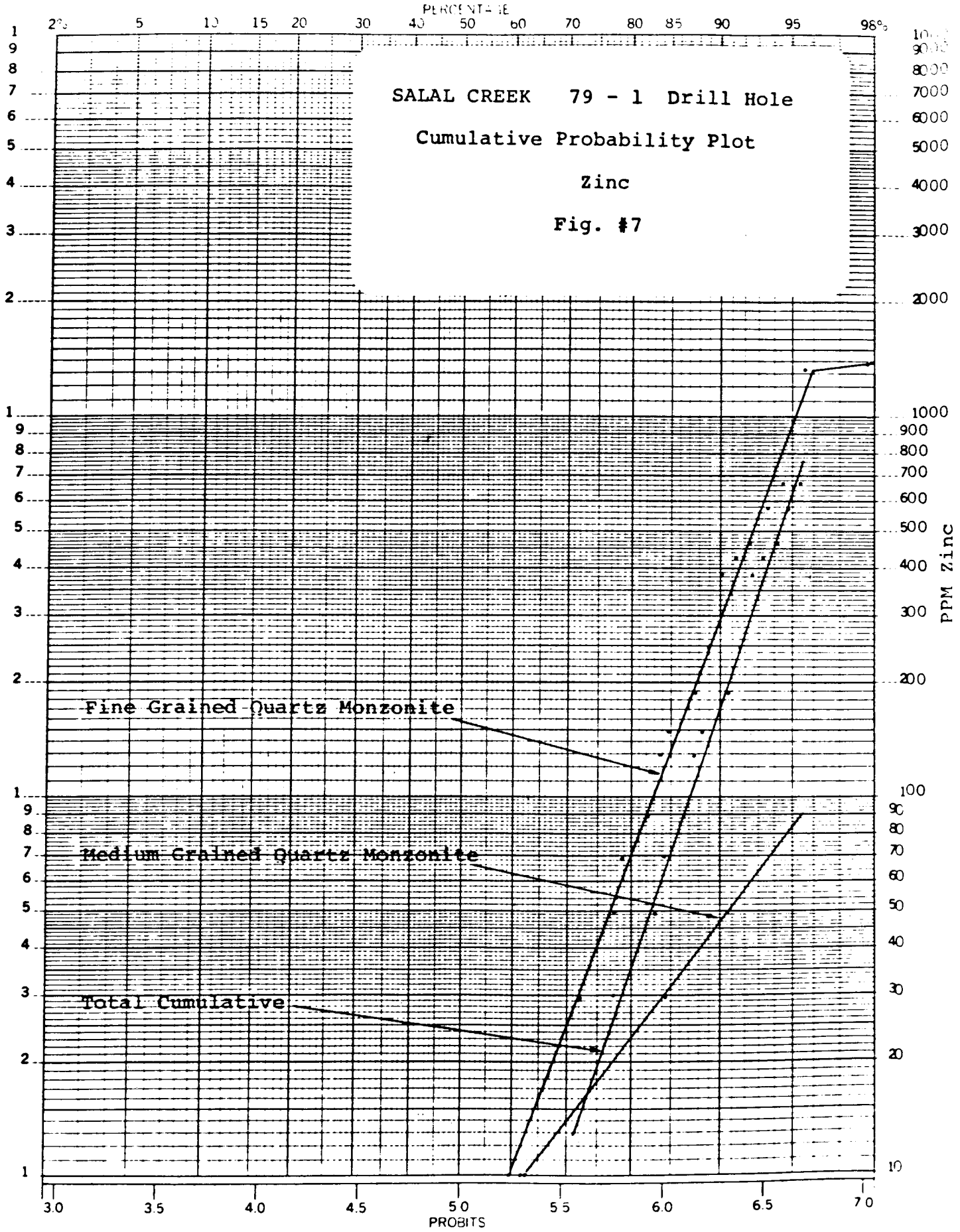
Cumulative Percent Frequency



Tungsten

46 8082
K+E PROBABILITY X 3 LOG CYCLES KEUFFEL & ESSER CO. MADE IN U.S.A.

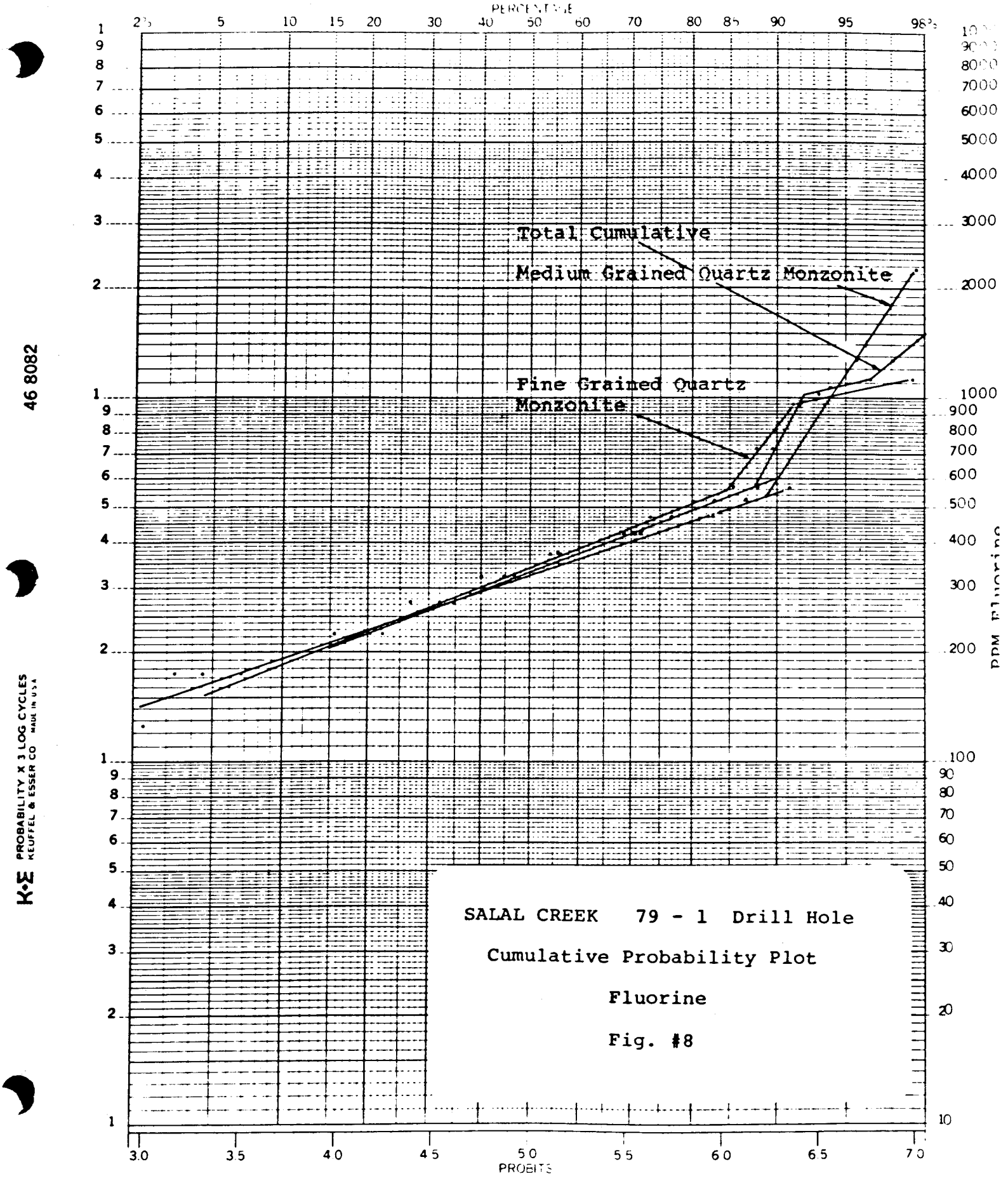
Cumulative Percent Frequency



Zinc

46 8082
K+E PROBABILITY X 3 LOG CYCLES KEUFFEL & ESSER CO. MADE IN U.S.A.

Cumulative Percent Frequency



SALAL CREEK 79 - 1 Drill Hole

Cumulative Probability Plot

Fluorine

Fig. #8

Fluorine

Results of the Diamond Drill Program

The diamond drill hole failed to intersect the proposed target of the program - a buried molybdenum deposit of the "Climax-Henderson" type. The cause of this failure may be two fold; 1) that the drill hole was in the wrong place, 2) that the proposed target does not exist on the property.

The proposed target was a "Henderson" type of ore body related to the youngest phase of the Salal plutonic complex, the quartz-quartz feldspar porphyry dykes. No body of quartz or quartz feldspar porphyry was intersected in the diamond drill hole except four small dykes, less than two metres in width, near the top of the hole. Thus the drilling failed, in part, to fully test the theory of an ore body associated with the latest magmatic feature of the Salal pluton,

Minor mineralization, MoS_2 in quartz veins and fractures, was intersected in the top section of the drill hole. This mineralization is probably the continuation of the almost circular pattern of surface mineralization found within the Salal Creek Pluton. This weak molybdenite mineralization would also explain the geochemical response in the immediate area, found in the 1977 and 1978 rock geochemical program.

Alteration throughout the hole is weak. Short sericitic alteration zones were encountered in several places associated with the margins of the young rhyolite dykes, shatter of fault zones, and in one case, the contact of a medium grained phase with a fine grained phase. In all the alteration zones, the geochemical response for the elements assayed increased. This may, in part, be due to the better preparation (shattering) of the rock, or the slight increase in pyrite content.

The alteration pattern, or lack thereof, does not show any indication that a large alteration zone associated with a "Henderson-Climax" type orebody exists within reasonable distance of the drill hole.

Inclusions of the Coast Range granitic complex are found well down the diamond drill hole to a depth of 730 metres. These inclusions are found both in the fine and medium grained quartz monzonite phases. The depth to which these inclusions

are found and their relatively unaltered minerology may show that the Salal plutonic system was of relatively low temperature at time of emplacement.

A large section of medium grained quartz monzonite was cut in the bottom of the hole. This quartz monzonite had a gradational contact with the fine grained phase above it. Minor sericitic alteration was noted over short distances near the contact within the two phases. No medium grained quartz monzonite was mapped on surface in the area, so the possibility exists that this medium grained phase may be a second type of "medium grained" that is indistinguishable in the field. Rock geochemical response from this unit is extremely low in all elements assayed except near the contact. Economic mineralization associated with this phase does not seem a reasonable possibility.

Conclusions and Recommendations

The program failed to intersect economic mineralization or mineralization and alteration halos that are associated with large molybdenum deposits.

The proposed target, a "Henderson-Climax" type of deposit associated with the late phase altered quartz-quartz feldspar porphyry dykes, was not found. This target possibility still exists, because only small dykes of quartz feldspar porphyry were intersected near the top of the hole. No large body of quartz-quartz feldspar porphyry was found.

LEGEND

QUARTERNARY

[10] VALLEY FILL

TERTIARY

[9] LAVAS, NECKS, DYKES BASIC TO RHYOLITIC

[8] LAHAR

[7] GLACIAL TILL

[6] QUARTZ FELDSPAR AND QUARTZ PORPHYRY

[5] QUARTZ FELDSPAR BIOTITE GRANITE PORPHYRY

[4] FINE GRAINED QUARTZ MONZONITE

[11] CROWDED PORPHYRITIC FINE GRAINED QUARTZ MONZONITE

[3] MEDIUM GRAINED QUARTZ MONZONITE

[2] COARSE GRAINED QUARTZ MONZONITE

CRETACEOUS

[1] COAST RANGE PLUTONIC COMPLEX DIORITE TO GRANODIORITE

FOLIATION

JOINTING

VEIN, STRIKE & DIP

FAULTS & SHEARS

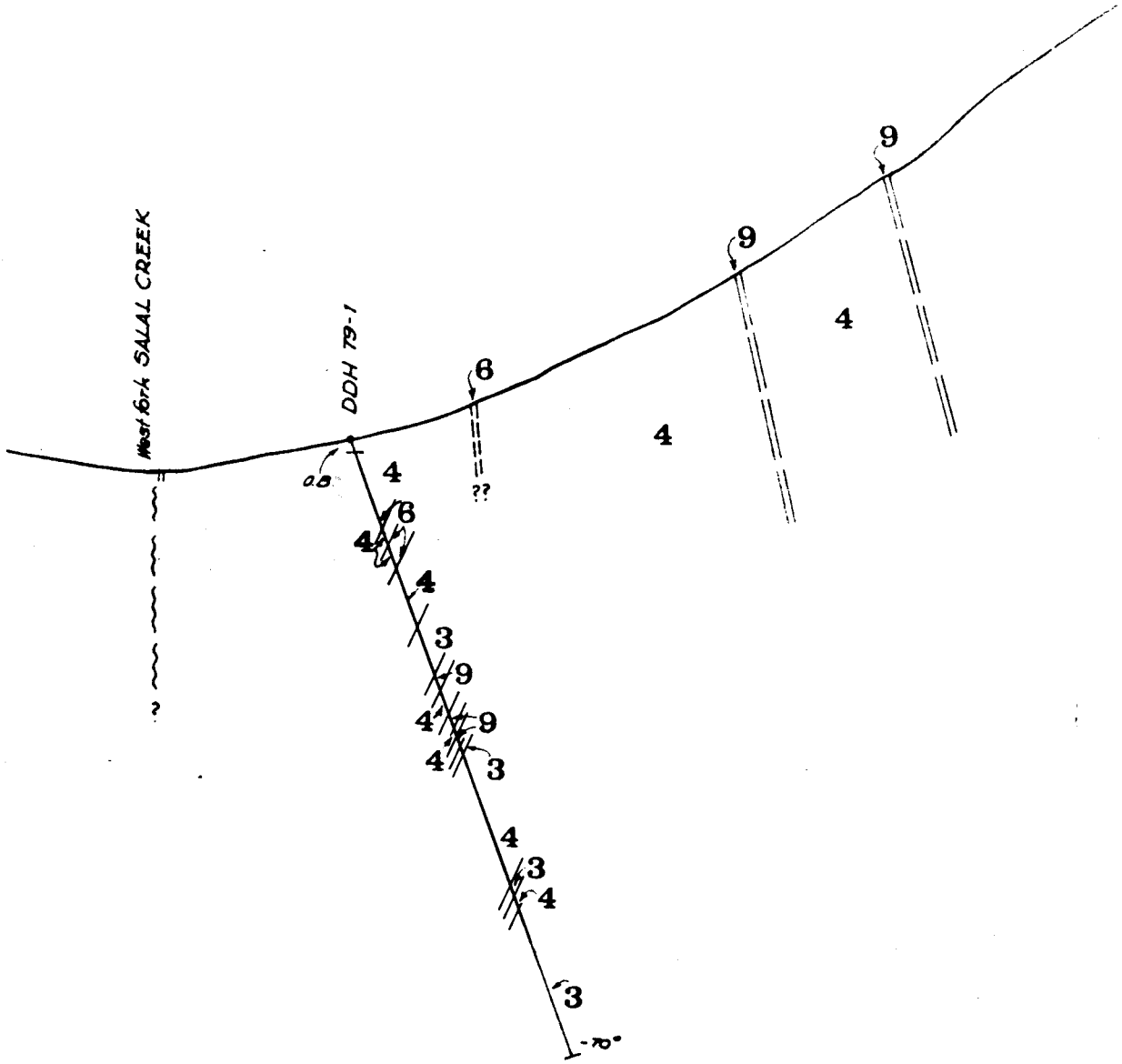
GEOLOGICAL CONTACT, DEFINITE

" " ASSUMED

DIAMOND DRILL HOLE, VERTICAL

" " " INCLINED

CLAIM POST



CROSS - SECTION

DDH 79-1

SCALE : 1: 10,000

STATEMENT OF COSTS

SALAL CREEK PROPERTY

SALAL MINERAL CLAIMS, LILLOOET M.D.

SALAL 8 SALAL 9 GROUP I

K. Orleski April - October (Camp Superintendent and First Aid Attendant)	3.86 months	@ $1500/mo	$5,790.00
J.R. Deighton January - October (Geologist)	1.8 months	@ $2400/mo	$4,320.00
J. Howe April - October (Assistant)	1/2 month	@ $1000/mo	$ 500.00
D. Schmidt April - September (Assistant)	1.72 months	@ $775/mo	$1,317.50
B. Natyna April - September (Assistant)	2 months	@ $800/mo	$1,600.00
I. Coster (Assistant)	1.55 months	@ $875/mo	$1,312.50
Contract Geologist			
G.H. Rayner April to September (G.H. Rayner and Associates)			$6,033.19
Bema Industries			
Camp Construction and Drill Site Preparation			$7,388.27
D.W. Coates Enterprises Ltd.			
Drilling Costs			$94,387.74
Assay Costs			
Chemex Labs Ltd.			$1,997.08
Camp Construction Supplies and Consumables			$20,683.80

STATEMENT OF COSTS - Continued

Transportation

Vehicle Rental and Gas	$ 1,361.20
Helicopter	$ 48,031.67
TOTAL EXPENSES	$194,622.95
TOTAL OF WORK CLAIMED ON AFFIDAVIT	$163,904.60
EXCESS ON WORK CLAIMED	$ 26,438.03

CERTIFICATION

I, JOHN RAYMOND DEIGHTON, of 3250 West 33rd Avenue, Vancouver, British Columbia, do hereby certify that:

I am a graduate of the University of British Columbia, with a Bachelor of Science Degree in Geology, 1965.

Since graduation I have been engaged in Mineral Exploration in British Columbia, Yukon, Northwest Territorites, Washington, Arizona and California.

I am a Fellow of the Geological Association of Canada and of the Canadian Institute of Mining and Metallurgy.

I am a Geologist.

Vancouver, B. C.

John R. Deighton
Geologist

STATEMENT OF QUALIFICATIONS

ANDREW J. SCHMIDT, B.A. Sc., P.Eng.

I am a graduate of the University of British Columbia, with a Bachelor of Applied Science degree in Geological Engineering, 1961.

Since graduation I have been engaged in Mine Geology and Mineral Exploration in Western and Northern Canada.

I am a Fellow of the Geological Association of Canada, a Member of the Canadian Institute of Mining, and a Member of the Association of Professional Engineers of British Columbia.

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
A. J. SCHMIDT

A. J. Schmidt,
October 23, 1979
Vancouver, B.C.

APPENDIX I

DIAMOND DRILLING LOGS

HOLE NO.: 9-1
COLLAR ELEV.:
COORDINATES:
INCLINATION: -70°
GROUND ELEV.:
N. E
BEARING: 050° Azim.
PROJECT: Sa. / Cr.
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:
PAGE NO.: 1 OF
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY:

COMMENTS: Metric

SECTION	ALTERATION: Silica	Pyr.	Ser	Clay	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	~~DRILLING INTERVAL~~	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED
								O.B.				HQ			
10.67								10.7 - 2mm qtz vlt @ 040°. wk clay alt'n not fld phenos.							<0.05
12								Rock all wkly porph qtz mong. - fine grained type. - Fresh	<1						
								Thin (<1mm) fracts carry py-ser at average 5 cm intervals at about 040° - 050°. Py. smeared.							
								12.1 Fract (thin) @ 11.65m @ py-ser; similar @ 12.15 - very wk							
								Fracts from 13 - 15 m. mainly about 040°; 2 - 5 cm spacing also rarer steeper fracts - not all @ same strike							<0.05
								Mineral suite similar on all.							
13								13.2 - 4 cm zone of assim Coast Range material							
16								15.2 Open fract @ 040 @ fine qtz xsts							
								Wkly porph. bg. g.m. Sparse qtz phenos 2-3 mm - often in aggregates.							
								Coarser fld xsts usually show clay alt'n in core							
					2/m	2/m		15 - 16 m - Hairline qtz vlts - dry - 30/m. various alts & obtuse reticulate	<1						
								17.8 m - 2 x 4 cm clot assim material							
18								Single fract set 040 - 051° 1/m. Thin seams carrying silica, ser, smeared pyrite & rare poss MoS2							
					6/m			Still sub-porph text							
								18.2 Small peg silica zone 1 cm x 4 cm.	<1						tr
								Also tight dry fract set 025° 2/m.							
21								Matrix shreddy & wkly chlor.							
								Rock similar to above							
								Small assim clots 2 x 5 cm @ 21.8 & 24.6							
								Slight increase in phen content now 5 - 10 % qtz : fld - 2:1 Sparse pink (k-fld?) phenos							
					8/m			Clay alt'n restricted to cores of plag phenos - k-fld phenos quite fresh	<1						
								24-25 3 - 1mm qtz vlts @ no py or ser							
25															

HOLE NO.: 9-1
COLLAR ELEV.:
COORDINATES: N E
INCLINATION: 52
GROUND ELEV.:
BEARING:
PROJECT: Sala. Cr
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:
PAGE NO.: 2 OF
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY: G H Rayner

COMMENTS: Metric

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: Silica	Sericite	Clay	Chlor	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED Mo
0										Sulph & ox	py				
							π	Still wkly porph t.g. qtz monz.				HQ			
								Mafics (assic hnbde) wkly chlor; Clay in cores of plag. phenos.		·	tr cp				
								25.7 m - 7 cm wide siliceous shatter zone @ 035°. Slightly pink from fine hem. Bounded by two sharp seams on walls (w) qtz, py + moly. No ser., Trace cp		·					
					Shattered		π	27-28m. Shattered zone, some grinding, some ser. alt'n of coarse feldsp.		·					± 0.05
28								28-28.9 - Shattered, Strong ser, mainly on fracts but also pervasive							
								28.7 - 5 cm fract zone @ 030, py-ser, tr moly + mod graphite		·					
							π								
30								30 - 32.1 Ser @ qtz, py on fracts + also patchy irreg ser alta - pervasive							
					25/m			32.0 - Some 4cm clot assim Coast Range		·					
								2-3 fracts @ 1mm qtz only - steep 020-015.	± 1%	·					
							π	Most fracts carry qtz - ser only. Some also carry smeared py.							
					15/m			Fracts @ py tend to be 040° set. Others at various atts.							
								Some fine hairline fracts toward 33 m. - prob silica only. - sl bleaching on selvedge.							
33							π								
					Frac intense			Fracts now in two main sets: Fine hairline type 1-2cm spacing (w) silica - mainly steep. Other set 030-045, 8-10/m usually only carrys ser-silica but also often thin films of yellowish-green talcose minerals, Mag dies out	± 1%						
35							π								
								35.1 Smeared qtz-py fract (w) Moly (tr.)							
					10/m		π	About 5% of section consists of scattered assim clots of Coast Range material, Wk chlor of mafics here							
								Fracts mainly dry (w) talcose(?) smears							tr
					5/m			Trace Mo on 3cm slt. shear @ 36.9 (w) py-qtz, ser.							
							π	Shattered from 37-37.5m - mod ser on fracts (w) yellow talc?							
					5/m			Generally massive still porph. t.g. qtz monz							
							π								
40												V			

HOLE NO.: 9-1
COLLAR ELEV.: GROUND ELEV.:
COORDINATES: N E
INCLINATION: BEARING:
PROJECT: Sala, Cu
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:
PAGE NO.: 3 OF
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY: G H Rayner

COMMENTS: Metric

SECTION	ALTERATION: Silica	Sericite	Clay	Chlor	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	SULPHIDES	OTHER DRILLING ~~INTERVAL~~	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED Mo Su
40						Mo Su		40.4 m. Two intersecting fracts @ 040 & 045 carry qtz, ser, smeared py & tr. Mo.			Sulph Ex py	py	HQ			
					12/m			Fracts fairly common, generally 030-035 & carry only talc-ser								
								41.7 - tr. moly on fract 060°								tr
								Coast Range clts (small 3-6 cm) @ 40.7, 41.1 & 41.8								
42								Qtz - py vlts decreases - now xst, not smeared								
								42.8 - 2 mm qtz vlt @ 033° w Moly, py, ser.								
					12/m			43.25 & 43.3 - smeared qtz, py, ser vlts, some shattering w ser.								
								43.6 44.4. Sericitized shear 6 cm thick @ 040. Some smeared py, tr Mo also fine moly in imm parallel fract @ 44.5								0.05
								44.85 - 1 cm qtz, ser, siderite vlt w moly (tr) & tr cp & tetrahedrite @ 030°			tr cp tetra tr cp					
45								Sparse smears of Coast Range material @ 075° to core.								
								45.1 1 mm qtz py, ser vlt. @ 025 tr. cp								
					12/m			45.5 & 45.7 1 mm qtz - moly @ 035°								
								Still good fresh f.g. qtz monz but less porph than previously								
								Scattered ser fracts at various atts - often w talc?								
					8/m			46.5 - 48.0 1 mm qtz, ser, py vlts @ 035° @ 20 cm intervals w moly as fine dustings								0.05
48								48.05 Qtz, py, mo fract 2 mm @ 035								
					25/m			Numerous hairline fracts w wk qtz ser only								
								49.7 1 mm qtz-ser @ 040 w wk Moly & smeared py								
								Rock massive f.g. qtz. monz. Fracts nearly all light hairline type.								<0.05
								50.9 tr moly on qtz - ser fine fract - similar @ 50.7								
								Hairline fracts mainly steep - 20°-30°								
51								51.05, 53.1 & 53.3. 1 mm vlts carrying py, qtz, siderite & Moly w sericite selvedges extending up to 1 cm into walls. All @ 035°			M					
					15/m			Most fracts carry only wk talc-ser @ 035-040, 5-10 cm spacing								
								Phenos virtually absent.			M					<0.05
54					m/m								V			

HOLE NO: 9-1
COLLAR ELEV.:
COORDINATES: N E
INCLINATION:
GROUND ELEV.:
BEARING:
PROJECT: Sato Cr
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:
PAGE NO.: 4 OF
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY: G. H. Rayner

COMMENTS: Metric

SECTION	ALTERATION: Silica	Sericite	Clay	Chlor	FRACTURING	MINERAL/Mo S2	GEOLOGY	DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT	ESTIMATED Mo S2
54					15/m			54.1 - 1cm qt vein @ strong Moly on selvedges @ 035° 54.2 - 4cm Coast Range clot. 54.3 - 54.4 Very fine traces of moly on qtz-ser fracts up to 5% scattered clots of Const Range through interval-well assim. 54.4 Fine fract - Moly-qtz 56.65 - 3cm shear - qtz, py, ser, tr moly		Chlor Sulph & Dark	py	HQ				<0.05
57					15/m		II	57.8 - 58.0 Two 2-mm qtz, ser, py, moly vlts @ fine parallel fracts @ similar mineralogy @ 035° Also random qtz vlts in section - 4/m. Still good b.g. qtz mong with scattered C. Range assim clots Fracture atts random - no longer single dom. set. Wk clay all'n of larger held cores								
60					25/m			61.15 - 61.27 - 8cm wide sericitized shear @ 030°. Most of width consists of friable py-held-ser mixture (dom. ser.) Tr. Moly. Fracts mainly dry, trace ser & wk talc 62.8 - 10cm zone of close spaced qtz-ser vlts @ wk py @ 035° Virtually no phenos now in b.g. qtz mong.								
63					25/m			Set of fine fracts about 2/m @ fine moly + qtz at about 040 Hairline fracts (30/m) are fairly steep + carry traces of talc-ser - never qtz or sulph. This set is clearly late. Cross-cuts qtz-sulph vlts but no offsets noted.								<0.05
66					20/m			66.0 - 67.9 Similar to above with main fract set late hairline type Fine moly on wk qtz fracts @ 66.3 & 67.25 @ 040° 67.9 - 69 Set of qtz-ser moly fracts comes in all @ 040-05° @ some subsidiary x-fracts (shattering). Vlts up to 3mm wide but most 1mm or less. Steep hairline fract type dies out. About 10-12 moly fracts in interval. wk sphal in moly vlts from 68.8 - 69.0		wk ~~sulph~~ sphal						0.05
69																

HOLE NO.: 7-1
COLLAR ELEV.:
COORDINATES: N E
INCLINATION:
GROUND ELEV.:
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PROJECT: Salar Cr
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:
PAGE NO.: 5 OF
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY: G. H. Rayner

COMMENTS: Metric

SECTION	ALTERATION: Silica	Sericite	Clay	Chlor	FRACTURING	MINERAL Mo	GEOLOGY	DESCRIPTIVE GEOLOGY	SULPHIDES %	Other Sulph & OXY	DRILLING INTERVAL % CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT	ESTIMATED Mo Sc
69								69.1 - 70.1. Similar to above. Qtz, ser, py, moly vlts, 1mm @ 040. and about 15 cm spacing.			Py	HQ			
					20/m			69.65 - 69.70 close spaced 6 vlts as above @ pervasive sericite between. wk sphal in vlts	<1	wk sphal					<0.05
								70.1 - 71.8 Back in massive b.g. qtz monz. 2-3 fine fracts @ moly from 71.3 to 71.5							
								71.0 3 vlts 1-3 mm qtz py @ moly selvedges @ 040							
72								71.8 - 72 Fract (dyg) increases							
					Shattered			71.8-75.1 fract density increases to 1-2 cm spacing - shatter zone. Pale yellow talcose mineral previously noted on late fracts now becomes strong, up to 5% of rock, mainly on fracts, minor pervasive. Some minor sericite on fracts also. No dominant alt. Clay alt'n increases @ talc smeared qtz-py veins - 3/m	tr						
								71.60 Specimen taken of yellow talcose mineral							
75						py		Still in shattered material with 3-10% of talcose mineral as fract & shatter fillings. Sulphides sparse - qtz-py smear fracts at 30 cm intervals							
					Shattered			75.3 - 8 cm peg zone with gradational borders. Contains 1-2mm grain of biotite	tr	tr F.					
								Porph character increases slightly - mainly qtz & plag phenos but also sparse K-feld & bio phenos							
								Clay now exceeds talc(?) as alt'n on fracts.							
78								All shattered material similar to above							
						CR		Clay - talc alt'n continues strong - mainly on fracts	tr						
								Sulphides virtually absent - rare fine qtz-py smears							
					40/m			wk accessory dissem mag							
					Shattered										
81								Shatter zone cuts off quite sharply around 82 m - thence into massive b.g. qtz monz. Mafics - b.g. assic hb bde now wkly chlor							
								81 - 81.4 - Shearing on margin of shatter zone. May be mixture of sericite with clay in this area. Shear att uncertain but prob about 040°. Minor dissem py in sheared material.							
					20/m			Rare qtz vlts at 030 to 040 and 25-50 cm spacing with wk moly. Usually with smeared py	<1%						tr
								Fract density drops off sharply below 82 m.							
84															

HOLE NO.: 9-1
COLLAR ELEV.:
COORDINATES: N. E.
INCLINATION: 52
GROUND ELEV.:
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PROJECT: Sara, Cr
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:
PAGE NO.: 6 OF
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY: G.H. Rayner

COMMENTS: Metric

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: Silica	Sericite	Clay	Chlor	FRACTURING	MINERAL %	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT	ESTIMATED M.S.
84					/			Back into massive poorly fract porph f.g. qtz monz. Wk clay alt'n of plag phenos				HQ			
								Qtz, py, moly, ser ults @ 035 + 040 at 85.0, 85.7, 86.06 & 86.91	tr	Other sulphides + oxides					tr
					10/m			One 10cm C.R. clot @ 84.25 - 84.35 otherwise very dull.							
87					/			87.35 Qtz-py smear (w) ser + trace moly. Rock massive porph f.g. qtz monz. Some dry fracts with sparce talcose mineral.							
								88.70 - Seam of moly @ 042° - 0.5mm thick. Thickest solid moly seen thus far							tr
								Also fine moly dusting in 1mm qtz ults @ 89.45 & 89.80 (040°)							
								Feld phenos often have blurred outlines but no alt'n in groundmass							
90								Qtz-moly fine seams @ 90.50 & 90.62 @ 035°. also at 90.78 These fracts have only thin moly smears & no ser. or py							
					/			91.05 - 2mm qtz ult @ 037° (w) moly selvedges. wk cp in ult.		tr cp					<0.05
					15/m			Similar 1m ult @ 91.23 - no cp							
					/			91.4 Partly assim c. Range clot. Some peg (10cm) from 91.5 - 92.6 some dry fracts (w) talcose mineral							
93								Sparce (2/m) qtz py ~~seams~~ smears (w) wk moly at 030-040 through section							
								Most fracts dry (talc?). Rock massive, fresh qtz monz - f.g. type but less porph than before							<0.05
					20/m			Fract density increases below 95 but is all young, dry type							
96								Two sheared areas 97.0 - 97.1 @ 040 and 98.35 to 98.80 @ 045° Both shears strongly ~~weak~~ sericitized, fine dissem py. Shear @ 97.0 has very wk moly + cp on late x-fracts - irreg. Shear @ 98.35 has crushed qtz vein (1-2cm) in core of shear. Shear thicknesses given include some sericitized wall rock.		wk cp					
					30/m			Rock between shears very dead - not even any qtz py smears, but dry fracts numerous							
99															

HOLE NO.: 7-1
COLLAR ELEV.: GROUND ELEV.:
COORDINATES: N E
INCLINATION: BEARING:

PROJECT: Salal Cr
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:

PAGE NO.: 7 OF
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY: G.H Rayner

COMMENTS: Metric

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: Silica	Sericite	Clay	Chlor	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED Mo S2
99								Sparce qtz-py smears (4/m) usually @ 040° & usually @ trace MoS_2		Other sulph & ox	Py	HQ			
					20/m			Good f.g. qtz mons becoming sl. porph toward end of section							
								Clay alt'n still confined to cores of larger plag x'sts.	<1%						<0.05
							CR	Most fracts dry, 040-050 - some talc smears							
								Fine silica only fracts 2/m usually steep							
102										M					
								Fairly abundant Coast Range material - partly assim. makes up about ⅓ of section - some clots up to 20% mafic							
								Fract intensity decreases							
					10/m			Qtz-py smear fracts virtually absent - only one noted 102.55 @ 030°							
								Also tr Moly							
105								105-106.4 Similar. 2-3 py-silica smear fracts - wk							
					20/m			106.4-107.35 Dyke of qtz-feld porph @ chilled acid matrix							
								Some grinding on upper contact so contact not seen. Lower contact bx'd for about 20 cm. This is post-dyke bx'ing of dyke not bx'ing of wallrock during intrusion. Contact not seen on lower side either but orients of bxings indicates about 050°							
					Shear			Strong ser in bx matrix + in fracts in dyke.		wk sphal					
108								One 3 mm b/b of sphal in bx @ 104.3							
								Strongly sheared + crush zone 107.8-108.6. Att uncertain but prob 035°							
								Clay alt'n strong in shear but prob also some ser. Minor crushed py							
								108.6 Back in porph f.g. qtz mons for rest of section							
								Some qtz-py, ser, moly smear fracts - 108.85 @ 025, 109.65 @ 040, 110.20 @ 035°							
					20/m			110.50 - 5 cm shear @ 030. Strong ser + crushed py. Ser extends 3-4 cm into walls.	<1						<0.05
								Some dry fracts as well - poss tr silica on them - hairline - usually steep							
111															
					10/m			112.65 Gradational contact to different phase of porph f.g. q.m. Lower phase has slightly finer grain size (average 0.2 mm vs 0.5 mm) and more even distrib of chloritic dusting. Comp similar to previous, lower rock 1-5% phenos of qtz, plag, hetero + rare bio.							
								Specimens of two phases @ 111.72 + 113.05	tr						
								Fine accessory hem begins at about 110 & carries through this section							
								Sparce (1/m) qtz-py smear fracts @ tr Moly							

HOLE NO.: -1
COLLAR ELEV.: GROUND ELEV.:
COORDINATES: N E
INCLINATION: BEARING:

PROJECT: Salal Cr
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:

PAGE NO.: 8 OF
REF. TO CLAIM CORNER:
SCALE:
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COMMENTS: Metric

SECTION	ALTERATION: Silica	Sericite	Clay	Chlor	FRACTURING	MINERAL Mo S	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	Py	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT	ESTIMATED Mo S
114					13/m		π	Qtz-moly thin seams @115.10 @ 035°, 115.25 @ 040 and 114.0 @ 040 Thicker vlt @ 0.05 mm moly seam @ 115.50 @ 030°. This seam has some thin shatter vlts assoc with it which also carry fine moly 115.8 - Sharp contact back to normal fig. qtz monz type. Cont. irreg but generally 030°. ~~Porph~~ Phenos virtually absent! still fine dusting of chlor. through section often assoc fine spec hem		Other Sulph ~0%	Py	HQ				<0.05
117								Qtz, py, sev moly smear vlts - 3/m through section @ 030 117.75 - 5 mm qtz vein @ 040° @ fine moly selvedges Also set of 1mm qtz, py, ser vlts (3/m @ 045) with no moly. This set does not show movement - no smearing. This set has 5 mm bleached margins 119.65. Late fracturing (steep) increases. This is talc-only type Accessory hem dies out								0.05
120					50/m			Slightly different type of smear vlt occurs (3/m @ 025-035°) This type 1-2 mm thick mainly of talcose material @ minor silica, py & tr moly. Sericite not obvious Hairline barren talc fract set still strong. Now forms irreg reticulate patterns (>30/m) Some clay alt'n developed with talc? on these fracts Grain size increases gradationally - Approaches m.g. g.m at end of section								0.05
123					25/m			123.1 Smear fracts more frequent (20/m. Section extends to 123.35 These are talcose type - no qtz 123.80 - 1.5 cm vein @ 025° - Qtz @ moly selvedges, dust through vein Qtz, py, moly smear fracts @ 3/m for section below 123.35. Atts variable from 015° to 040. Total moly on these fracts is small. Some also carry talcose material								0.07
126							CR	Rock grades back into fig qtz monz from about 125.5 to 126.0 - normal type 126-127 Dull massive with 2 qtz-moly smear fracts 127.0 and 127.15 & 127.85 - qtz vlts @ 035 @ minor sphal - no moly 127.75 - 127.85 Several thin moly seams including one with a very sinuous sutured appearance. 127.9 - 129 Several thin smears of qtz-moly-py (4/m @ about 020-030) 128.9 - Qtz-moly vlt 2 mm @ 020 - moly not heavy								0.05
129															

HOLE NO.: 9-1
COLLAR ELEV.: GROUND ELEV.:
COORDINATES: N. E.
INCLINATION: BEARING:
PROJECT: Sela. Cr
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:
PAGE NO.: 9 OF
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY: G.H. Raynor

SECTION	ALTERATION: Silica	Sericite	Clay	Chlor	FRACTURING	MINERAL MoS_2	GEOLOGY	COMMENTS: Metric / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED MoS_2
129							Qz	129-130 Thin qtz, py, moly vlts more common - about 4 or 5/m but only very thin smears of moly on most. Some show no movement (smearing) Atts variable from 025 to 040		Other sulph & ox.		Py	HQ			
					15/m		gcr	At about 130m grain size increases gradually - grades into m.g. phase - wkly porph		<1%						0.05
131							π	132.3. Contact with acid porph. similar to type seen @ 103m Contact @ 060° - Sharp. Qtz-py-moly fracts cut across contact & fract & min density is about the same in & out of dyke. Lower contact @ 133.15								
					20/m			Frequency of qtz-py-moly films drops to 2/m. - All very thin atts variable - no longer all @ 040°		<1%						<0.05
134								Vlts @ qtz only now appearing - 2/m atts variable - commonly steep & sinuous - 1-2 mm								
								134.0 - 134.8 - 2 qtz-py moly fracts @ 030 & 045. No more of these in the interval								
								135.80 - Shear 1 cm thick @ sharp walls of smeared py. strong ser-py in shear & ser in walls for 1-2 cm. Att 035								
								135.9 - 136.25 strongly shattered								tr
								Grades back to sub-porph f.g. @ about 136 - 137. Grain size change very slight.								
137					8/m		π	Still wkly porph f.g. qtz mons								
								Qtz-py, moly smear fracts @ 137.8 (030), 138.68 (040) and 139.8 @ 030								
																tr
					12/m											
140								140.07 Wk moly on qtz-py smear vlt. 045								
								Otherwise dull. sub porph f.g. qtz mons verging on m.g. type								
							π									
					12/m											
141																

HOLE NO.: 79-1
COLLAR ELEV.:
COORDINATES: N. E.
INCLINATION: BEARING:
GROUND ELEV.:
PROJECT: Salal Cr
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:
PAGE NO.: 10 OF
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY: G. H. Rayner

COMMENTS: Metric

SECTION	ALTERATION: Silica	Sericite	Clay	Chlor	FRACTURING	MINERAL MoS_2	GEOLOGY	DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	SULPHIDES	OTHER DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED MoS_2
143								143. to 144.5. Barren massive qtz monz. Fracts sparse & dry.			Sulph & Py	Py	HQ			
					15		π	144.5 - 146 Qtz, py, moly smear fracts - 3/m @ 030 to 040. Not much moly in total Rock has wkly porph text. a.2 - 0.5mm grain size @ some phenos (k-spar) up to 5mm.								<0.05
146					Shattered			145.8 - 149 - Rock shattered on fracts @ 3 - 4 cm spacing & random atts Qtz, py, moly vlts increase but density and atts uncertain because of shattered core chips. Prob about 3-4/m - very thin moly films - all smear vlt type except on 2mm qtz, ser, moly type at 146.15								0.05
149					30° shear			149.60 - 149.75 Strong sericitized shear zone @ 050. Trace fine py Three thin moly-qtz films on fracts parallel shear zone on lower side but show no movement - not smear type. 151.35 - 151.9. Strong ~~sericit~~ sericitized shear. Considerable core loss. Atts uncertain but prob about 045. Wk fine py in shear Both above shears have very fine traces of moly								<0.05
152					30° shear			152.2 - 152.6 Shear similar to above. This one has a 1cm qtz-py vein in lower side @ traces of moly 153.3 - 2cm shear @ qtz, py, ser & tr moly @ 050° From 152 - 154 - 4-5 qtz py vlts @ 040 @ tr moly. - None from 154 - 155								tr
155					25°		π	155 - 157 Fracturing more intense but almost all dry fracts. Qtz, moly fracts 1/m @ 040° not smeared - only very wk moly 156.3 Qtz, ser, py vein @ 030 - 2cm plus some ser in walls. tr moly Rock otherwise dull Wk fine dissem chlor alter fine prob hbde.								tr
159																

HOLE NO.: 7-1
COLLAR ELEV.: GROUND ELEV.:
COORDINATES: N. E.
INCLINATION: BEARING:

PROJECT: Sala. Cr
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:

PAGE NO.: 11 OF
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY: G.H. Rayner

COMMENTS: Metric

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: Silica	Sericite	Clay	Chlor	FRACTURING	MINERAL Mo	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT	ESTIMATED Mo%
158								158-159.70 Sparce tight qtz vlts - very thin, 2/m, tr moly usually 040. Also similar barren qtz vlts about same density, usually steeper (025-035) but variable		other sulph %	Py	HQ			
					3/m			159.70 Shear 4cm wide @ 030. strong ser, wk crushed py. Some fine ser in walls. No moly in shear but 2-3 thin films on fracts for 4-5cm into both walls.	tr						tr
								159.70-161 still f.g. qtz mony. Thin qtz vlts (0.5mm) w/ tr. moly. 2/m usually @ 035							
161								[redacted] 160.8-161.85. - Chilled qtz feld acid dyke as before. Upper contact flat, irreg, lower contact not recovered.							
					3/m			Fine qtz-talc, py moly vlts about 3/m Through section. Usually sheared alts 030-045. Moly fine & wk, some show minor sericite	tr						0.05
								Qtz vlts show no change in alt. or intensity or min. in dyke or normal f.g. qtz mony							
								162.15-2 cm wk shear @ 035°. Some qtz-ser, minor py & wk moly.							
								163.25 - 1mm qtz vlt @ 032 w/ wk moly & py							
164								164.58 - 5cm shear @ 040. Strong qtz-ser, minor py, & wk moly in subsid. fracts but not in shear.							
					20/m			Qtz vlts (1mm) w/ wk moly @ 165.33 (030) and 165.70 (030) & 165.8 (030)							
								166.9 - 167.3. Shear & crush zone @ 025°. Strong clay & sericite minor py & tr moly							<0.05
								Wkly porph - plag phenos clay alt in core	<1						
167								168.25 - 4cm wkly sheared zone @ 030°. Strong ser, wk py, no moly							—
					34 / 20 / 3 / Shear / 20 / 3			168.90 - 169.15 - similar to above but @ 035°. Trace moly in shear & in subsid. fracts here							
								Apart from sheared sections - normal f.g. g.m. w/ wk qtz vlts & tr moly at about 2/m							<0.05
170					Shear			170-170.8 - shattered zone. No alta or min	<1						
								170.8-173 - Massive normal f.g. g.m. sub-porph text. Qtz phenos 2-3 mm plag phenos 1-2 mm, ground mass 0.2-0.3 mm. K-feld rare 2-3 mm							
					12/m			Plag phenos still show clay alt'n in core. Fine chlor dissem.	tr.						tr
								Fine qtz ser py vlts 035 - 3/m - Similar w/ wk moly 2/m. Also late barren fracts usually w/ tourmaline min.				V			
173															

HOLE NO.: -1
COLLAR ELEV.:
COORDINATES: N E
INCLINATION: S2
GROUND ELEV.:
BEARING:
PROJECT: Sala, Cr
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:
PAGE NO.: 12 OF
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY: G. H. Raynor

COMMENTS: Metric

SECTION	ALTERATION: Silica	Sericite	Clay	Chlor	FRACTURING	MINERAL Mo	GEOLOGY	DESCRIPTIVE GEOLOGY	SULPHIDES %	DRILLING INTERVAL / % CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED Mo Sc
173					15/m		π	Normal massive f.g. sub porph qtz mons. Fine shreddy bio increases to 2-3 % in this area. Qtz-feld around bio grains has a watery, translucent appearance - reason not known. 173-175 Qtz vlts 2/m no ser or moly 020 ~~Qtz~~, ser vlts @ wk py averaging 2-4 mm @ 174.3, 175.6 & 175.7 all at 035°. No moly noted except trace @ 174.3. Some random dry fracts	tr	Other sulph & Ox Py	HQ			tr
176					15/m		π	Generally massive Qtz, ser vlts @ tr. moly - 2/m average 2-3 mm thick at 035° Single qtz-ser vein up to 1cm thick sub-parallel to core runs from 177.5 to 178.15. Carrys wk py, tr moly & blebs of mag @ 178.10 & 177.7 Larger plag grains (phenos) still have clay cores	<1%					<0.05
179					25/m			179.5 - 180.0 shattered zone @ py & ser on trim fracts - minor silica - no moly 181.1 - 182.0 - 3 shears @ 030 make up about ½ of interval strong clay alt'n. Virtually no sulph - tr py clay alt'n extends on fracts & wk dissem into walls for ± 1m						
182					25/m			Variable wk to mod clay alt'n, mainly pervasive, in general area of shearing Last wk shearing @ 184.0 Qtz & sulph vlts absent from interval except 2-3 wk py smears btwn 183.5 & 185. single 2m barren qtz vein 030 @ 184.3						
185					10/m		π	185.0 - 185.3 shattered @ clay alt'n - strong Qtz vein 185.5 - ½ mm @ 025 ~~185~~ 185.5 - 3 mm irreg qtz vein at 045 - wk py Below 184 clay alt'n dies back to cores of plag phenos only						
188														

HOLE NO.: 1-1
COLLAR ELEV.: GROUND ELEV.:
COORDINATES: N. E.
INCLINATION: 52 BEARING:
PROJECT: Salal Cr
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:
PAGE NO.: 13 OF
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY: G. H. Rayner

SECTION	ALTERATION: Silica	Sericite	Clay	Chlor	FRACTURING	MINERAL Mo	GEOLOGY	COMMENTS: Metric — DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED Mo Sz
188								188 - 190.80 Hairline qtz - py vlts 3/m @ 030 - no moly except trace in one @ 192.20		Other sulph		Py	HQ			
								190.37 - 190.77 - Coast Range xenolith. Wk schleiren of assim CR also @ 189.9 - 190.0								
					10/m		CR	190.1 Qtz-ser vlt. tr moly @ 010°. Similar @ 190.95 @ 025°								
							CR	190.80 Single qtz vlt. - tight - @ 035° x ¼ mm crosses contact btwn Coast Range xenolith and qtz mons. It carrys moly where it crosses qtz mons but is barren in xeno (qtz only)								
191																
					10/m		π									
192.63								Qtz-feld porph starts @ change in core size. Sheared contact may have instigated change but contact not cored. Lower contact 070 - irreg. @ 194.75. Rock similar to dykes cut previously					192.63 NQ			tr
194					10/m			Plag. phenos alt. to clay as in qtz mons.								
								Qtz vlts (w) tr moly cut porph @ 193.50 (025°) & 193.70 (035°) both thin & tight								tr
								194.75 - lower cont. of dyke.								
					15/m			194.85 - 194.95 strong shear @ 035 (w) strong clay & talc, poss some sev. 195.60°. 1 mm qtz vlt (w) moly selvedges @ 020° wk py								
								196.0 - 196.20 shear (w) clay @ 025								
197								196.9 - 197.1 Shear - strong clay @ 025								
								Series of qtz - py vlts. 2-3 mm (w) ser selvedges up to 1cm thick @ 197.58 (060), 197.70 (045°) & 198.65 (035°) no moly								
								One hairline fract @ moly @ 197.46 (065°)								
					10/m			Also wk qtz-py smears ± 2/m								
								Phenos virtually absent.								
200								200.10 - 1cm discrete qtz - ser shear @ 030°								
								Fracts in section mainly clay - wk talc & average 030° - 035°								
					18/m			200.80 - small wedge of usual qtz - feld porph dyke in side of core - 2cm x 3cm								
								Barren qtz vlts 2/m @ 030 - 035 thin, ~~tight~~ tight								
								Qtz-ser-py vlts 2/m - about 1-2 mm @ 030 - 035. No moly								
								Plag phenos still clay alt								
203																

HOLE NO.: 7-1
COLLAR ELEV.:
COORDINATES: N E
INCLINATION:
GROUND ELEV.:
BEARING:
PROJECT: Sa. Cr
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:
PAGE NO.: 14 OF
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY: G.H. Rayner

COMMENTS: Metric

SECTION	ALTERATION: Silica	Sericite	Clay	Chlor	FRACTURING	MINERAL Ms	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT	ESTIMATED Ms Sc
203					15/m		π	Rock is massive uniform sub porp qtz mon3 - f.g. phase Phenos ± 5% of rock. Qtz - ser - wk py ults 2-3mm @ ser selvedges - 203.1 (040), 203.35 (035) 203.80 (035°) Also hairline qtz ults 5/m @ 030-040 - often tr py Most fracts dry - talcose.			Occasional sulph	Pg	NR		
206					20/m			Similar to previous section. Qtz - ser - py ults - 2-3 mm @ 206.65 (030° - 1.5cm), 206.85 (030°) & 208.95 (040° Hairline qtz fracts @ moly @ 207.08 (030) & 208.35 (035 Also barren qtz hairline fracts @ 025°-030°; 5-10/m							tr
209					15/m		π	All massive wkly porp f.g. qtz mon3 wk clay all'n of plag phenos. 21g moly ults @ ser selvedges @ 211.15 - 030° 3cm, 211.55 - 035° - 3cm & 211.65 - 030° - 3cm. Widths mentioned include ser. selvedges. 211.51 - 2mm qtz - sulph vein @ 030° @ 1 cm ser selvedge. Sulphides include py, cp, sphal & galena. Also wk Bloomite Also thin py - talc? smear fracts 2/m - 035	<1%		ult. cp, sphal Flour galena				tr
212							π	similar uniform rock 214.12 - 4 cm sericitized zone @ 035° - Prob shear but no obvious break or movement. Fracts of 3 types in section - Qtz - moly - ½ mm, 1-2/m, tight, 035° Qtz only, 1-2/m - 030 & late dry - talcose - hairline 10/m - 025-035 Phenos die out slowly @ about 214							tr
215					15/m	Sh Sr		215 - 215.70 Massive - similar to above. A few penos showing up & fine ults in interval - qtz moly - 025-035, 0.5 mm. 215.70 - 3cm shear @ 035 - all clay gouge, no visible ser. 215.86 - 216.56 Strong shear zone of gouge & frags @ 035. strong ser & wk py. No moly 216.56 - 218 - Crushed & shattered. Pale yellow talcose mineral on fracts @ some clay & some clay all'n through rock. Little or no ser. 2-3 py smears on slips 030 - 040, one is 1mm thick. Also 3 hairline qtz. moly tight ults @ 030 - 035°	<1%						<0.05
218							π								

HOLE NO.: 9-1
COLLAR ELEV.:
COORDINATES:
INCLINATION: 52
GROUND ELEV.:
N. E.
BEARING:
PROJECT: Sal. Cr
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:
PAGE NO.: 15 OF
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY: G.H. Rayner

COMMENTS: Metric

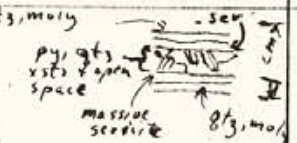
AVE CORE REC'Y / HOLE

SECTION	ALTERATION: Silica	Sericite	Clay	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
-218				Sheared & Shattered			Interval strongly shattered with some shearing. All shatter surfaces show talcose mineral and some clay. Shears strongly ser, often with a core of sulphides. 218.65, 218.85 & 218.94 Sericite shear zones 6-7 cm thick each @ 1-2 mm cores of py @ some moly. At 218.65 also hem & minor cp. Atts all 050°. 219.07 Similar shear - 8 cm 050°, 1 mm core, py, hem, wk cp, galena. 219.07-221 Shattered, 45 py smears @ sparse moly (sparse moly)	±1%	Other sulphides cp cp. gal.	Py	NA			0.05
-221				Shattered			Interval all closely shattered f.g. wkly porph qtz mons. Pyrite-talc-moly smear fracts about 2-3/m @ 050 - hard to tell in shatter chips. Vlts down to 223 have 5 mm ser selvedges. Clay alt'n mod - mainly along fracts - also dissem.	<1%						<0.05
-224				Shattered			224.05 - 5 mm - 050° qtz ser vlt @ tr moly. Well shattered through section - wk clay alt'n - mainly fracts. 225.05-225.15 Shear @ 045° strong ser, mod py, some moly smears. Py-ser-talc smear vlts @ moly 2-3/m 040-050	<1%						0.05
-227				Shattered			Well shattered to about 28.5. 227.80 Shatter vein 1.5 cm @ 050 carrys py & talc? - Thickness irreg. Py. smear fracts 2/m 050, tr moly, often wk talc. 228.32 Qtz-ser moly vein 2 mm, 035 - moly wk. 229.6 - 229.7 Clay talc? shear @ 035. Wk py smeared on margins							<0.05
-230				2/m			Section all fairly massive sub-porph f.g. qtz mons. Qtz moly hair line vlts 2-3/m. moly wk. Py. ser vlts - 1 mm. vlt. @ 5 mm ser selvedges on each side. Some @ moly. 230.33, 030°; 230.70-035° & 232.60-030 (moly). This set often slightly curved. 232.2 - 4 mm vein @ 040 carrys py, sphal, cp, tetra. 232.68 - 3 mm qtz py vein @ 027. Some moly on selvedges							0.05
-233														

HOLE NO.: -1
COLLAR ELEV.:
COORDINATES: N. E.
INCLINATION: 52
GROUND ELEV.:
BEARING:
PROJECT: Sa.d/ Cr
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:
PAGE NO.: 16 OF
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY: G. H. Rayner

COMMENTS: Metric

SECTION	ALTERATION: Silica	Sericite	Clay	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED MoS2
233				20/m		π	Pheno content increases - now 7-10 %. Proportions still the same - domi. qtz, lesser plag, rare k-fld, bio Thin qtz, ser, py, moly films 1-2/m. 035° - usually smeared Dry fracts ~10/m - talc - tend to be steep Plag phenos still have clay alt cores		<1	Other sulphides	Py	NQ			<0.05
236				10/m		π	Massive normal f.g. qtz mong. Bio phenos increase to ± 1% Total phenos now about 10 % Three types of fracts in section Hairline qtz moly type 1-2/m @ 020-025 1mm qtz-py-moly type (also ser) at 236.70, 237.12, 238.45, 238.96 all at 025-030° Pyrite-qtz-ser type, 2-3mm, 1/m, often tr. moly Also late hairline type - talc only 5/m		<1/m						<0.05
239				15/m		π	Pyrite, qtz, ser vlts, mainly 1cm including selvedge, 240.0, 030° (2cm) 240.15, 030 (tr moly), 240.65, 030; 241.0-030°; 241.12-025° Hairline qtz moly vlts - 1/m @ 030° 240.35 - 1cm qtz-ser vein @ 030 with strong crenulated moly selvedges. 241.64 - Qtz vein some py, ser + strong moly selvedges - vein 5mm @ 030 Also dry hairline fracts.								0.07
242				15/m		π	Porph character increases - Phenos now ± 20% of rock Fairly strong moly seams - 0.5mm 025° @ 242.0, 242.15, 242.70 & 243.20 Single good 1mm seam of moly (solid) @ 243.08 - 025° Also qtz ser py vlts - 035 - 2/m. - sometimes trace moly		<1%						0.05
245						π	Massive, strongly porph f.g. qtz mong. Clay alt'n of plag phenos wk to absent. 245.18 - qtz-ser-moly vein 8mm @ 035 - diagram → Qtz-ser-moly vlts @ 035° - 3/m through section One at 246.8 has about ½ mm MoS2 - others wker.								
248						π									



HOLE NO: -1
COLLAR ELEV.:
COORDINATES:
INCLINATION:
GROUND ELEV.:
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PROJECT: Sand Cr
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:
PAGE NO.: 17 OF
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY: G. H. Rayner

COMMENTS: Metric

SECTION	ALTERATION: Silica	Sericite	Clay	FRACTURING	MINERAL Mo S2	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT	ESTIMATED Mo S2
-248				3/m		π π	Massive porph f.g. qtz. mong. Little or no clay alt'n of plag. Bio phenos & bio shreds now 1-2% of rock. Several narrow sericite alt'n zones in fracture walls & along wk shears All are 030°. 248.16-2cm; 248.55-12cm; 248.68-6cm; 250.10-5cm, 250.50-8cm (also wk cp & hem in this one) 249.00 Fract @ wk py & sphal. 249.45-4cm crush zone @ 030 healed @ ankerite? & sphal lenses up to 1cm thick Qtz-moly-ser vlts about 1-2/m @ 030 but thicker moly than usual. Also thin barren qtz seams @ 030 - 3/m. - average 0.2mm.		Other sulf & Ox; sphal sphal; cp	Py; Py	NO				<0.05
-251							250.37 - contact between strongly porph f.g. phase & f.g. qtz mong @ no phenos. Contact 055°. Lower non-porph phase prob younger since it shows flow structures parallel to contact for ± 5cm 253.2 - qtz py ser vlt @ 1cm sericitized selvage in wallrock - 035 Fine qtz vlts (±1mm) ~~with~~ 030-035 - with fine moly dust 1/m - without. 5/m These usually carry ser & wk py & one @ 251.98 has wk hem & cp		wk cp						
-254				12/m			F.g. phase of qtz mong. Non-porph type at top of section grading slowly @ increase in phenos to porph type. By 257m it looks identical to porph type above contact @ 250.37. Qtz-ser-py vlts 035° often fine dust of moly 1/m - one @ 1cm 254.42 Hairline qtz vlts wk ser - no moly 030-035° 5/m. May offset previous type 1-2cm 255.20 - 1cm py-ankerite vein @ 030° 255.10 to cp on qtz-py ser vlt		cp						
-257				12/m		π	257-258.38 - Porph massive material similar to above - wk clay alt'n on fracts toward end of interval Qtz vlts - @ ser, py & usually wk hem - 030 - 3/m. also cp @ 258.9 & 259.1 258.38 start of sheared & shattered zone. Mod clay alt'n on fracts & minor pervasive - prob also some ser with it. Also discrete small zones of sericite alt'n. Most shear & shatter fract. vlts about 040 - some steeper. General wkly bleached appearance.		tr cp						
-260				Shatter & shear zone; 12/m		π	Shattering @ some rotation - approaching breccia from 260.50 - 260.80 Shearing and shattering weakens & dies out about 261.30 Two separate fract & shear directions in shattered zone 257.35 - 261.30 Main barren shatter - shear set earlier @ 040-045. Later is set of mineralized qtz-ser-py vlts @ 030 seen higher in hole. This cross-cuts earlier set & may run off along them. 3-4/m often @ hem. One @ 261.20 carries some cp. This set continues to end of section (263) Wk pcy texture developed in crushed material 260.30-260.50 & 2cm pegmatitic qtz vein @ 015 - 260.50		wk cp						
-263														

HOLE NO.: 1-1
COLLAR ELEV.:
COORDINATES: N E
INCLINATION:
GROUND ELEV.:
BEARING:
PROJECT: Sand Cr
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:
PAGE NO.: 18 OF
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY: G.H. Rayner

SECTION	ALTERATION: Silica	Sericite	Clay	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY (COMMENTS: Metric)	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT	ESTIMATED
263				10/m		π	Normal porph-type fig. qtz monz. Bio (fine & phenos) ± 1% Plag phenos show clay alt'n again Qtz-ser-talc-hem-py fracts (1mm + ser selvedge) @ 030-035 - 4/m. This is same set & fract type as seen higher in hole except now carrys hem & only rarely moly. 265.60 - 1mm vlt @ 035 ⓦ 1cm ser selvedge carrys py + fine moly Similar but weaker one @ 265.82 - no ser selvedge.	<1	Other sulph ok	Py	NQ			
266						π	266.2-266.3 Sericite-py sheared area @ 035°. Similar 10cm zone @ 266.73-266.80 ⓦ wk moly film on one shear plane ⓦ silica Similar ser-py shear - 266.90-267.05 267.23 - qtz-ser vein - 5mm @ 030 - wk moly 268.64 - qtz-ser vein - 5mm @ 030 - mod moly & py Also barren hairline set of qtz-ser vlts. 030-035 - 5/m. - rare moly as fine dusting Moly & hem appear to be mutually exclusive in vlts.	<1						tr
269				10/m		π	Moly increases slightly. Smear vlts ⓦ moly, py, qtz, ser (moly weak) 3-4/m @ 030-035° Qtz vlts (2mm) ⓦ strong moly @ 269.03 & 270.50, both 030° Diffuse sericite py shears 3cm wide @ 270.0, 270.05 + 271.72 (5cm) Shear zone ⓦ clay alt'n & py smears on margins from 270.81 to 271.08 Margins sharp - 030 Rock still normal fig. porph qtz monz	<1						<0.05
272				Shattered		π	Shatter zone begins sharply @ 272.05 and tapers off @ around 274.7. Some random atts but mainly 030-035° Some fracts carry wk ser-hem - prob about 2-3/m - hard to tell in shatter chips 1mm qtz vlt ⓦ strong moly @ 272.70 - 030 274.27 - 2mm qtz-ser-hem smear vlt @ 020°	<1						<0.05
275				10/m		π	Pheno content ± 25%. Bio 1% (phenos & fine shreds) Qtz-ser-py vlts - <1mm - 030 - 3/m - rare sparce moly dusting 275.15 - 275.30: clean-walled 2-3cm sericite shears (2-3) in interval. Rock generally fairly massive. Late barren hairline fracts nearly absent.							
278														

HOLE NO.: 9-1 | PROJECT: Saint Cr | PAGE NO.: 19 OF

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N E | DATE FINISHED: | SCALE:

INCLINATION: 5N | BEARING: | TOTAL DEPTH: | LOGGED BY: G. H. Rayner

COMMENTS: Metric

SECTION	ALTERATION: Silica	Sericite	Clay	FRACTURING	MINERAL %	GEOLOGY	DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL / % CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT	ESTIMATED
278				15/m		π	Fairly massive f.g. porph qtz monz. Dry steep hairline fracts pick up again (5/m) - late. Qtz vlts (1mm) @ thin moly seams. 030 - 1/m. Barren qtz vlts - hairline to 1mm - 030 - 4-5/m. often @ wk py		other sulph	py	NQ			Mo Su
						π								tr.
281				12/m		π	Qtz veining declines to ± 1-2/m - qtz - ser, py - sometimes wk hem. Some (5/m) late hairline talc type. All about 030. 283.83. Contact back to non-porph f.g. phase. Contact sharp @ 045°							
						π								
284							284.06 - 84.54 sericitic ~~shearing~~ banding controlled by wk shearing @ 030. Rock at top of interval uncertain but toward 284.54 becomes obvious m.g. qtz monz as ser declines. 2-3% py on vlts in interval, also trace hem. Rest of section to 287 - good fairly massive m.g. qtz. monz. Qtz ser. py vlts to 2mm 3/m. 286.37 - Qtz. ser vlt 3mm @ 030 @ moderate moly		1% ±					tr
287				10/m			Fairly massive m.g. qtz monz. Only one mineralized fracture set - 030, ser, py, hem, talc some @ wk silica 3-4/m. A few flat dry fracts @ 292.50							
				20/m										
290				10/m			Rock & fracts similar to previous interval. 290.30 - strong (3mm) vlt @ ser, hem, py & minor silica. Usual vlt set ser, talc, wk py & hem. 030 - 2/m. Also some dry fracts 5/m usually 030°							
293														

HOLE NO.: 9-1
COLLAR ELEV.:
COORDINATES: N E
INCLINATION: BEARING:
GROUND ELEV.:
PROJECT: Sam Cr
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:
PAGE NO.: 20 OF
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY: G. H. Rayner

COMMENTS: Metric

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: Silica	Sericite	Clay	FRACTURING	MINERAL Mo	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	Py	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP INT.	ESTIMATED
293				2/m			Vlt system declines and replaced by thicker veins at wider spacing Thin Qtz vlts @ ser, kem + py - 1/m. ovless @ 030 293.67 - 7mm qtz, ser, py vein @ good moly selvedges + dusting. 293.84 - Diffuse qtz, py, ser vein - 2cm @ ser selvedges - 035 294.63 - 294.30. Sericite zone @ 1cm qtz, py, moly core - 037° Some larger plag grains alt. - poss ser.	<1%	other sulph + oxs	py	NQ				
296				2/m			Similar to above. Barren Qtz - ser 1-2mm vlts 1-2/m 025°-040° 1-cm ser - py diffuse veins - 025-035 at 297.40, 297.9 (tr moly), 298.58, 298.63 + 298.70 (tr. moly)								
299				5/m			still good m.g. qtz. Mon @ some sericitization of cores of larger plag grains Barren Ser + qtz - ser hair-line vlts 025-040 - 2/m. 300.36 - 8mm qtz, ser, py vlt @ fine moly dusting - 020								
302							302.25 - Single fine hairline vlt - qtz - moly - 035° Ser - py - kem vlts 1/m over interval - 035°-040° 304.35 - 304.75 strongly clay alt (kaolin) shear + shatter zone with shearing @ 020 304.80 - 2cm diffuse ser - py vlt @ fine moly dusting								
305				10/m			Ser - qtz barren fine vlts 1/m - 030 Ser - qtz - py vlts 1-3 mm may have fine moly dusting - 025-030 1/m								
308				10 m											

HOLE NO.: 9-1
COLLAR ELEV.:
COORDINATES:
INCLINATION:
GROUND ELEV.:
N E
BEARING:
PROJECT: Salal Cr
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:
PAGE NO.: 21 OF
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY: G.H. Raymer

COMMENTS: Metric

SECTION	ALTERATION: Silica	Sericite	Clay	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP INT	ESTIMATED
308				35/m			308-310.1 Moderately shattered. Some clay on shatter fracts. Qtz-ser-py vlts 1mm± @ 030-035 - 2-3/m for interval. Dyke of f.g. qtz mons from 310.37 - 310.85. Contact flat-irreg on top & 020 on bottom. F.g. phase clearly later - flow struct.		Other Sulphides & Oxides	Py	NQ			Mo Sc
311				10/m			311.46-54 Dyke of f.g. qtz mons. Almost aplitic texture. Att. 025. Barren 1mm vlts @ ser, py, silica & often wk hem 3/m @ 030	1%						
314				7/m			Rock uniform m.g. qtz mons. Fine vlts - ser, py, silica & hem - 025-030 - 3/m. 316.90-316.95 shatter zone healed @ ser & mod py-hem. 316.03-317.10. Close fine vlts @ 020 @ ser, py & hem. 316.36 - Diffuse 2cm ser vlts @ py, tr moly - 020. 316.75 - 2cm diffuse ser vlt. @ qtz, py & mod moly - films 025								tr
317				5/m			Massive qtz mons - m.g. as above. Thin to 1mm vlts of ser, py, hem @ 025 - 2-3/m for interval. Dull massive section							
320				5/m			320-322.78 - Similar massive m.g. qtz mons. 321.70 1cm py-hem, qtz vein @ 020. 321.50 - 322.78 - Clay-alt shear zone @ 10° to core. Slightly sinuous.							
323				1/m										

HOLE NO.: -1
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TOTAL DEPTH:
PAGE NO.: 22 OF
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY: G. H. Rayner

COMMENTS: Metric

SECTION	ALTERATION: Silica	Sericite	Clay		FRACTURING	MINERAL Mo	GEOLOGY	DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT	ESTIMATED
323					10/m			Mg. Qtz monz. Most large plag grains sericitized in cores. Qtz - ser - hem - fine vlts - 025 - 1/m. Dry fracts @ wk talc 8/m mainly @ 040			ocher sulph + 0%	Py Py	NQ				
326					8/m			Massive uniform dull m.g. qtz monz Fracts 3/m @ 025 - clay, wk py, often hem - hairline type								
329					8/m			Similar to above. Fracts 2/m - clay, ser, qtz, hem, wk py often up to 1mm - 025° some carry no hem Qtz vein - barren - 3mm @ 025° @ 330.87								
332					5/m 15/m			332.20 - 332.72 Close spaced discontinuous fracts @ 035 control distrib of coarse (1-2mm) grains of spec hem. - Fracts only hairline @ qtz + hem. Spec hem makes up 3-4% of section 332.72 - 334.95. Fracts @ variable density (5-15/m) control coarse hem (1-2mm) grain distrib. Also dissem hem grains - same size range as usual normal dissem bio. Fracts mainly 035. Also wk banding or flow struct // to fracts. Ser alt'n of some plag grains in some flow struct bands 1-2 cm wide. Hem. 1-2% over interval from 332.72								
335								Barren qtz veins 1/m 2-3mm @ 030 oblique to main hem fract set but not always by same angle. Hem-bearing fracts w/ ser + clay 030, 2-3/m. Also dissem hem grains usually @ bio. Total hem 1% ±. ~~Sugar~~ ~~structure~~ qtz								

HOLE NO: 9-1
COLLAR ELEV.:
COORDINATES: N E
INCLINATION: BEARING:
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DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:
PAGE NO.: 23 OF
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY: W. H. Rayner

COMMENTS: Metric

SECTION	ALTERATION: Silica	Sericite	Clay	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL / % CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT	ESTIMATED
338				20/m			Still good m.g. qtz mons Larger beds show ser alt'n of cores (plag only) Fracts @ hem, qtz, ser variable density - about 10/m wall @ 030 Scattered weak irreg late dry fracs (talc) Single sinuous barren 3 mm qtz vein @ 338.75 - 10° Thicker hem vlts (1-2 m) @ 339.0 + 340.16 - part of usual hem set 339.55 - 339.60 Dyke of aplite (prob fg. g.m. phase), Core angle 030° but perpendicular to fracturing. Contacts sharp	1% (H)	Py Sulphides	Py	NQ			
341				30/m 1			Similar to previous section Fracts @ hem, wk ser, qtz 5/m hair line to 1 mm - 030° some to 040 Closer spacing + dissem hem 342.55 - 342.75. 1 cm hem-ser-qtz vein - 341.26 - 030 342.42 - vein 1.2 cm mainly py, minor hem, ser @ 040°	1.5% H						
344				15/m			Becoming more massive - fract density decreases Fracts @ hem, wk ser + talc 3/m - thin to hairline Qtz vein 344.06 - 3 mm tr hem, py - 030 but perpendicular to hem fracts. 345.13 - 1 cm clay shear zone @ 020 ⊥ to hem vlts (almost) Still ser alt'n of larger plag grains	1% H						
347				10/m			Similar to previous - hem + fract density decreases Fracts @ hem 2/m thin - hairline type 030 Also sleep late barren sparce but strong clay talc set 1/m - 015 - 020° Also sparce dissem hem as 1 mm grains + some finer shreds	<1% H						
350				Shear 1			Shearing with strong clay 350.6 - 351.15. Sharp upper edge + grades into shatter zone on bottom - 030. Lower small parallel shears carry sericite and clay 352.61 Qtz vein tr. hem 1 cm @ 035 Some dissem hem (± 1%) in lower part of interval	<1% H						
353													

HOLE NO.: 9-1
COLLAR ELEV.: GROUND ELEV.:
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INCLINATION: 54 BEARING:
PROJECT: Sa el Cr
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:
PAGE NO.: 24 OF
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY: G. H. Rayner

COMMENTS: Metric

SECTION	ALTERATION: Silica	Sericite	Clay	FRACTURING	MINERAL %	GEOLOGY	DESCRIPTIVE GEOLOGY	SULPHIDES %	DRILLING INTERVAL	CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT	ESTIMATED
353							Still similar m.g. qtz monz. Some dissem hem (<1%) through section. Fracts @ hem, talc, hair'line to 0.5mm 8/m @ 020-025°. Some ser. in walls, tr. py. 355.93 Clot 2x5 cm of py & some hem. Clot oriented // to hem fract direction. Some fracts (hem type + later) show coatings of fine lusterous platy mineral with bright copper-red colour. looks like native cu. but is not. May be fine late remob crystals of hem??	<1% (H)	Other sulph x-ed	Py	NQ			
356				99/m			356.28 Barren qtz vein 2mm @ 035° 357.80-358.04 - irregy clots of partly assim Coast Range material. Fracts @ hem 5-8/m also talc, some clay & copperey min as above. Some shearing @ clay (prob kaolin) 358.8-359.0. Plag large xsts no longer so strongly sericitized.	<1% H						
359				30			Mod. shattered m.g. qtz monz. Fracts @ hem & copperey min 5/m @ 02. Wk to mod clay alt'n - mainly on random fracts. - prob kaolin. Contact @ rhyolite dyke @ 360.82. contact not recovered but banding in obsidian chill indicates 040 contact. Strong clay alt'n in qtz monz against dyke. Specimen 360.0							
360.82				5/m			360.82-361.80 Dark obsidian chilled margin of rhyolite dyke. 361.80-365 F.g. Rhyolite dyke @ grain size increasing downward. Good flow banding @ 040°. Mod to strong clay alt'n throughout - porous. Fracts - dry 5/m 020-035. Some phenos come in toward end of interval - mainly plag, some qtz & also fine acicular hubde 1-2mm. long. Some plag phenos show ser. alt'n. 362.25-362.60 Few xenos of m.g. qtz monz up to 4cm.							
365							All uniform rhyolite @ plag (mainly), qtz & hubde phenos 1-2 mm. Wk flow banding - 040. Still mod clay alt'n - pervasive & ser in plag phenos. 367.75 Minor grinding of core							
368														

HOLE NO. 9-1
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DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:
PAGE NO.: 25 OF
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY: G. H. Raymer

COMMENTS: Metric

SECTION	ALTERATION: Silica	Sericite	Clay	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT	ESTIMATED
368				8/m			Similar uniform massive rhyolite dyke Fracturing wk, dry, variable - generally 040 Still clay alt'd sl. porous.				Py	NQ			
371				8/m			Same as previous interval - Dull uniform rhyolite. 371.1 Specimen taken Wk foliation 040 expressed by orientation of hubde laths.								
374				8/m			Same uniform material Foliation dies out								
377				15/m			Same uniform rhyolite dyke Scattered xenos of partly assim mg. qtz mong (?) from 378.30 to 378.40. Some course (3mm) bio developed in xenos Fol'n of hubde picks up again. - 040 Slightly more fracturing - random								
380				50/m			Similar to previous and xenos decline to 2-3% Fol'n very wk (fewer hubde. xsts) Denser looking rock but still finely porous from clay alt'n 380.50 - 380.60 - shattered								
383															

HOLE NO: 9-1
COLLAR ELEV.: GROUND ELEV.:
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INCLINATION: BEARING:
PROJECT: Sand Cr
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:
PAGE NO.: 26 OF
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY: G. H. Raymer

COMMENTS: Metric

SECTION	ALTERATION: Silica	Sericite	Clay	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	SULPHIDES %	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED
383							Rhyolite dyke ends @ 385.49. Contact area slightly ground so contact not seen.				NQ			
							Rhyolite becomes f.g (also no phenos) toward contact but no obsidian developed on this side. Wk hem on fract 045 - 384.68							
							Good flow banding @ (040) & scattered xenos of f.g. g.m from 384.1							
385.49							Single xeno (3cm) of mg. qtz monz @ 383.30							
							Weakly porph f.g. qtz monz							
							Mod to wk pervasive ser. alt'n							
							Sparce fracts @ ser & wk hem 020 - 3/m - also fine coppery mineral.							
							Also late dry set - talc? & clay - 40/m							
							387.10 - 387.24 shearing @ 025 - strong clay.	tr (H)						
							387.80 - Specimen fract @ coppery mineral. Thin flaky xsts on fract. Translucent red, bright copper lustre - Prob fine hem.							
389							Wkly porph f.g. qtz monz							
							Sparce phenos mainly plag, minor bio.							
							Plag phenos show ser. alt'n.							
							Wk pervasive ser - mainly in larger plag xsts							
							Fracts @ trace - m 020 - 3/m - usually smeared							
							39[illegible].92 - 39[illegible].97 shear @ 025 - strong clay.							
392							Similar to previous							
							Ser. alt'n (pervasive) dies out at about end of interval.							
							Wk hem & ser on fracts @/m 025° also tr py on some.	<1% (H)						
395							Similar to previous section							
							Fracts @ @ wk ser & tr hem. less frequent. 3/m 025°							
							Some shattering & close random fracturing to 398	<1% (H)						
398														

HOLE NO.: 79-1
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DATE STARTED:
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TOTAL DEPTH:
PAGE NO.: 27 OF
REF. TO CLAIM CORNER:
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LOGGED BY: G. H. Rayner

COMMENTS: Metric

SECTION	ALTERATION: Silica	Sericite	Clay	FRACTURING	MINERAL/Mo	GEOLOGY	DESCRIPTIVE GEOLOGY	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT	ESTIMATED
398				15/m		π	Fg. qtz monz. Now sl sub-porph texture Ser. alt'n in cores of plag phenos Fracts @ fine-ser-hem, wk qtz 5/m -025 Qtz v/t @ 400.94 - 2mm @ ankerite (siderite?) hem + minor py. 025°				NQ			
401				15/m		π	Similar to previous interval Fracts @ hem, ser & talc(?) 020° 5/m Ser alt'n of plag phenos cores Also set of late dry fracts -025	<1/m (m)						
404				15/m		π	Similar sub-porph f.g. qtz monz. Fracts @ hem 3/m Late dry fracts random to 045 -10/m Plag phenos show ser. alt'n							
407				25/m		π	Similar to previous but more shattered 407.22 - 2mm qtz hem v/t @ 080° 407.35 - 408.26 shatter zone @ fine qtz + hem on fracts Alts tend to be random. Hem ± 1% total.							
410				25/m			Still uniform sub-porph f.g. qtz monz Fracts @ hem + wk qtz - ser 020° 5/m 410.33 Barren 2mm qtz vein 2mm @ 080 Also random late barren fracts - 10/m							

HOLE NO: 9-1
COLLAR ELEV.: GROUND ELEV.:
COORDINATES: N. E.
INCLINATION: BEARING:
PROJECT: Sarah Cr
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:
PAGE NO.: 28 OF
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY: G.H. Rayner

COMMENTS: Metric

SECTION	ALTERATION: Silica	Sericite	Clay	FRACTURING	MINERAL %	GEOLOGY	DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT	ESTIMATED
413							Still f.g. sub-porph qtz monz 413.25 - 413.40 - Strongly fract @ 020 - 035 All fracts carry hem + wk qtz-ser 413.40 - 414.98 - Flat fract set comes in - 50/m @ hem + qtz + wk ser 070 - 080° 414.98 - 416.0 Sharp change to shatter zone @ mainly vent alts + little or no hem. Some ser alt'n of plag phenos.			Other sulphides Py	Py	NR				
41243							Start of obsidian chill on rhyolite dyke. A few 1-2 cm xenos of qtz monz to 417.25 then massive chilled rhyolite to 418.07. Fracts in rhyolite 50/m 090 - dallas. 418.07 - 418.95 Septum or large xeno of f.g. qtz monz. Shattered + ser alt. tr. hem. Both contacts sub// to dyke wall - may be septum.								
419							418.95 - 420.48. Highly xenolithic obsidian. Some flow struct @ 090 xenos mainly qtz monz but also obsidian. Fracts irreg - not planar. 419.78 - 1cm vug @ fine py xsts 420.48 Grades over 5cm to f.g. dense highly xenolithic rhyolite. Flow banding steepens to 030 + 025 by end of interval Some ser alt'n in f.g. qtz monz frags								
422							Similar to above. Flow struct variable but steep Qtz monz frags 15-20% of rock Ser. alt'n in frags + prob clay alt'n in f.g. rhy. (devitrification?) 424.0 - 424.20 Curving shear sub// to core 6 2cm thick. Flow banding is // to shear on both sides indicating that break occurred when rock still somewhat plastic Alt'n in rhy matrix now fairly clearly sericite - very fine								
425							425.50 Shear @ 025 @ // flow banding Rock similar to previous 427-428. Xeno content increases to 50-60%. Xenos 1cm → 2cm About ½ qtz monz + ½ devit glass or big rhyolite. Rock essentially an intrusive breccia from here on. - frags ± 50% Fracts irreg + non-planar								
428															

HOLE NO.: 1-1
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DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:
PAGE NO.: 29 OF
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY: G. H. Raymer

COMMENTS: Metric

SECTION	ALTERATION: Silica	Sericite	Clay	FRACTURING	MINERAL Mo	GEOLOGY	DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	SULPHIDES %	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT	ESTIMATED
428							Similar rock - intrusive bx. Matrix grades back to obsidian + devitrified obsidian			Ochre Sulph & Ox	Py Py	NQ			Mo Sz
							430-431 - Frag size increases to 1-3 cm, nearly all gt3 monz Frags all angular.								
				10/m			430.32 - ~~Vein of~~ Dyke? of obsidian 2 cm thick @ 040								
							430.68 - 5 cm rounded frag of m.g gt3 monz								
							Flow banding (orientation of frags) 040								
431							Ser alt'n now confined to frags - none in ~~obsidian~~ obsidian matrix								
							Similar to above. - obsidian matrix, f.g. gt3 monz angular frags.								
				2			431.62 - Specimen taken								
							Trace dissem. py in obsidian								
							Pervasive ser. alt'n in frags only								
							Some perlitic cracking in obsidian								
							Flow structures not obvious								
434							Similar to above. ~~Matrix largely devitrified~~ -								
							Some devitrification of matrix 436.80 - 437.0								
							Fracts irregy & non-planar								
437							Matrix largely devit. from 437.0 to 449.3								
				10/m			Frags make up 60-70 % of rock. - All f.g gt3 monz.								
							Several frags of m.g gt3 monz noted - usually rounded								
440							Similar to previous - obsidian matrix intrusive bx.								
							Fg gt3 monz frags increase in size - up to 10 cm.								
							Frags all angular - Mainly f.g phase - scattered rounded m.g phase								
							~~Sec~~ Ser. alt'n. confined to frags - pervasive								
							442.40 Contact @ wkly porph f.g. gt3 monz. Contact area is shattered - all uncertain.								
442.40							Back in f.g. ~~sep~~ sub-porph gt3 monz								
443							Ser alt'n mainly in plag phenos - also wk pervasive								

HOLE NO.: 79-1
COLLAR ELEV.:
COORDINATES: N. E.
INCLINATION: 52
GROUND ELEV.:
BEARING:
PROJECT: Sam Cr
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:
PAGE NO.: 20 OF
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY: G. H. Rayner

COMMENTS: Metric

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: Silica	Sericite	Clay	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP INT	ESTIMATED
443				10 m		π	Thin fracts @ wk ser, ~~et~~ tale, tr hem 010-035 - 4/m Bio as fine shreds & sparse phenos ± 1% Fracts not all same set - some have opposite dips. 444.65 Fine hairline qtz vlt @ 010 - sinuous 445.92 - 3 cm fract zone 3-4 hem fracts to 1 mm @ 025-040		Cy-Py Sulx Sox	Py	NQ			
446				15 m		π	Similar dull f.g. sub-porph. monz Fracts @ wk hem & tr py - no silicates 030-040 4-5/m Also random dry fracts. Ser alt'n of plag phenos only.							
449							Rock shows increase in shattering through interval to contact. Ser. alt'n increases through interval to mod pervasive @ contact. Contact area shattered - alt'n uncertain.							
451.77							Back in rhyolite matrix bx. - matrix largely devitrified. Frags angular, 2mm - 2 cm - ~~alt~~ Frags all f.g. sub-porph qtz. monz.							
455							Similar to above. Rock virtually unfractured. Some areas crumbly from devitrification (clays?) Angular frags ~~alt~~ - f.g. phase except some rhyolite. Monz frags show mod pervasive ser. Frag content decreases in lower part of section Flow structure 457.5 - 015							
458														

HOLE NO.: -1
COLLAR ELEV.:
COORDINATES: N. E.
INCLINATION: 52
GROUND ELEV.:
BEARING:
PROJECT: Sand Cr
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:
PAGE NO.: 31 OF
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY: G.H. Rayner

COMMENTS: Metric

SECTION	ALTERATION: Silica	ALTERATION: Sericite	ALTERATION: Clay	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT	ESTIMATED
458							Flow struct. @ 010° 458.0 - 458.15 Frags sparce & small From 458.40 - 459.07 Rock becomes increasingly friable & clay alt. Some shearing - 459.02 - 459.07 @ 010° 459.07 sheared contact @ xenolithic f.g. rhyolite. xenos sparce (<5%), up to 3cm. fg : mg ratio 2:1 xenos show pervasive ser. Dense rhyolite shows pervasive clay (kaolin?) Flow banding - steep - sinuous		Other sulph. not		NG				
461							Similar to above. Phenos (1mm qtz) rare in rhyolite Flow banding sinuous & highly variable. Some open vuggy areas - no xsts.							
464							464.0 - 466.68 Similar to above. 466.68 Friable strongly clay alt rhyolite runs to 467.36 Contact with friable alt rhy. sharp & minutely irregular. Contact roughly 040 Friable material extends to 467.36							
467.36							Contact with septum of f.g. qtz monz (may be large xenol). Contacts obscure 040? on base. Rock shattered, ser alt, no sulph or oxides							
467.85							467.85 - 468.19 Alt f.g. rhyolite as before. 468.19 Sharp contact @ 040 (irreg) with chilled black obsidian Some perlitic cracking in obsidian. 469.70 Obsidian has contact over 2cm (flat) w/ friable clay alt material again.							
470.84							470.80 Contact - Friable clay alt rhyolite in contact w/ m.g. qtz monz. Contact lost - all uncertain. Ser alt'n mod. pervasive close to dyke but only scattered & restricted to larger plag xsts toward end of run. wk fracts @ 2cm/ 020. 472.50 Hem, py, ser alt 2mm @ 025							
473														

HOLE NO.: 9-1
COLLAR ELEV.: GROUND ELEV.:
COORDINATES: N. E.
INCLINATION: BEARING:

PROJECT: Sarah Cr
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:

PAGE NO.: 32 OF
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY: G. H. Rayner

COMMENTS: Metric

SECTION	ALTERATION: Silica	Sericite	Clay	FRACTURING	MINERAL Mo S2	GEOLOGY	DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED Mo S2
473				10/m			Massive fairly fresh m.g. qtz monz. Scattered ser. alt'n in plag. No mineralized fracts. Dry fracts - sparce, random.			Other sulph.	Pg	NQ			
475.62				10/m		π	475.62 Contact @ f.g. qtz monz - contact sharp, irreg. generally flat. 475.63 - 475.72; 2-3 wk fracts @ hem @ 020-025° wk fracts @ hem & ser 4-5/m 020-035 Sub-porph text. but little or no ser alt'n of plag phenos.								
479				10/m		π	Similar massive material 480.05 - small - 3cm. Coast Range partly assim xeno. 480.42 - 3mm Qtz vlt @ diffuse borders @ 080. Prob early. vlt is cut & offset 2cm by hem-bearing fract. Fracts @ wk hem & ser. sparce 3/m 005°-025° No ser in plag ests 481.80-481.85 c30 late close spaced fracts (1cm spacing) - ser, qtz, wk py.								
482				20/m		π	Wkly sub-porp qtz monz - fairly massive f.g. phase some ser alt'n of plag phenos Fine fracts @ hem 2/m @ 030-035° 483.33 - wk qtz-ser vlt @ diffuse walls 2mm - 020 Also dry late failure type. 035° 10/m tight								
485				15/m		π	485.65-91 Ser alt Coast Range xenolith. Somewhat friable Partly assim around margins. Rest of section normal massive f.g. qtz monz Fine fracts @ hem 030-2/m to 487 then very fine @ 10/m to 488 Dry fracts @ 030 - sparce					V			

HOLE NO.: 9-1
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COORDINATES: N. E
INCLINATION:
GROUND ELEV.:
BEARING:
PROJECT: Sam / Cr
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:
PAGE NO.: 33 OF
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY: G.H. Rayner

COMMENTS: Metric

SECTION	ALTERATION: Silicic	Sericite	Clay	FRACTURING	MINERAL % Sc	GEOLOGY	DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT	ESTIMATED MoS
488				5/m			Very massive f.g. qtz mons No dry late fracts Fine fracts @ wk hem 1/m 030 490.04 single 2mm vlt @ 015 - qtz, sev, wk hem. 490.46 - 490.53 Some assim C.R material			Other sulph & ox	Py	NR				
491				8/m			Massive f.g. sus porph qtz monz - phenos small & sparce (1-2%) Fracts (dry) @ fine trace of moly dust 1/m 035 492.66 . Thin sev-py fract @ sev. selvedges 015 - single									Tr
494				8/m			Similar to above . Phenos increase sl. (mainly plag). 495.6 496.5 clots of peg up to 10cm diam make up about 1/4 of interval. Peg qtz-fld - good peg graphic texture. 495.93 Sev. qtz fract @ wk mag. Fracts @ wk to mod hem 1/m 020 496.95 - sev wk py on fract @ 020 - smeared hairline type									
497				15/m			Similar to previous - Phenos increase slightly (± 3%) 497.13 Qtz vlt 1mm 020 tr. moly dust - similarly 498.66 @ 020 1mm and 499.76 - 065° - 0.5mm. - Pll sharp borders - no sev 499.50 1mm qtz - sev vlt - diffuse borders wk hem & poss tr. moly 498.03 - 3cm assim C.R bug. Dry fracts @ wk tale(?) now showing up - 10/m									
500							500.88 . Thin barren qtz sev fract @ 015° 502.36 - 1mm qtz vlt @ 030° - barren 502.76 - 502.80 . Three hair line fracts (w) thin moly 020°, 045° & 070° Sl. sev alt'n of plag phenos through section									Tr
503															

HOLE NO.: 79-1
COLLAR ELEV.:
COORDINATES: N E
INCLINATION:
GROUND ELEV.:
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PROJECT: Sa al Cr
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:
PAGE NO.: 34 OF
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY: G. H. Rayner

COMMENTS: Metric

SECTION	ALTERATION: Silicic	Sericitic	Clay	FRACTURING	MINERAL Mo	GEOLOGY	DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT	ESTIMATED
503							Still massive sub-porph f.g. qtz mong Thin qtz(?) fracts @ tr moly dust 1/m @ 020 504.75 Fract @ tale & sparce py & mag @ 20°					VQ			Mo tr
506							Similar massive material. Phenos decrease somewhat - 2-3% Thin moly fracts - dry or wk qtz 1/m 020-035 - moly forms continuous films not just dust								2.05
509							Hem on fracts @ tale(?) & wk ser begins @ about 509.20 Fracts @ 025 - 2/m strong hem (trends 040) Fracts @ 070-090 - 1/m sparce hem to nil. 511.95 - 1cm sericitized zone 040. Hem in subsidiary fracts								
512							wk hem on fracts 020 @ tale through section. 512.47 Dry fract @ strong moly film. 080 512-513 Fracts @ qtz (wk) & hem 3/m 070-085° 513.95 Dry fract @ moly dusting (smeared) @ 514.3 Irreg shatter vein of qtz 1-2mm - barren - 020								tr
515							Similar massive sub-porph qtz mong 516.63 Qtz vlt 0.5-0.1mm thick (variable) with good moly selvedges 020° 517.40 wk hem & py on fract @ 020 517.23 wk moly dusting on fract @ 025 517.67-517.82 3 wk irreg shatter fracts @ moly dust. alts irreg								tr
518															

HOLE NO.: 9-1
COLLAR ELEV.:
COORDINATES: N. E.
INCLINATION: 5L
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PROJECT: Sa[illegible] Cr
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:
PAGE NO.: 35 OF
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY: G. H Rayner

COMMENTS: Metric

SECTION	ALTERATION: Silica	Sericite	Clay	FRACTURING	MINERAL Mo	GEOLOGY	DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
518							518.46 1m qtz @ wk hem & py @ 020				Py				Mo SL
							518.70-76 - 3-4 thin qtz fracts - irreg shatter fracts 020-040 @ trace moly dusting					NR			
							519.73 - 8mm qtz vein @ 020. Thin moly selvedges								tr
							520.61 - 1-2 mm qtz vlt @ hem + wk mag & py @ 020								
							520.76 - Silica fract @ coarse (0.2mm) flaky moly @ 055								
521							521-521. Barren qtz - ser fracts @ wk py + tr mag 1/m - 015								
							522.46 Fract @ qtz, mod moly & py - 010								
							523.42 Thin moly on dry fract - 060								tr
524							Similar massive f.g. ~~mass~~ sub-porph qtz mon3								
							Some assim Coast Range material 524.95 - 525.15 - well assim								
							Fract @ 524.69 @ 020 @ wk py, hem								<0.05
							525.76 Fract (2mm vlt) @ qtz + py 015° - similar @ 526.05 - 035°								tr
							526.86 - 0.5 mm seam - dry - @ moly - fairly strong. @ 080								
							Similar @ 526.01								
527							527-528 Fracts 2/m @ 015-020 hem, wk py.								
							529.05 Fract @ 020 - wk py only (wk ser)								
							530.0 Fract @ ser, py & wk moly @ 010								
							Qtz vlts 0.5mm-1mm - 1-2/m @ wk py & dusting of moly								tr
							atts 060-075 through interval								
							529.0 - Qtz. hem, ser vlt 1mm @ 020 - sparse py								
							529.7 Wk shearing @ clay @ 020								
530							530.35 Barren 2mm qtz vlt @ 060 - similar one @ 531.11								
							530.63 + 530.72 - 1mm qtz-ser vlts @ 015 - diffuse borders								
							530-533 - Hem-ser fracts @ wk py 2/m @ 015 - some up to 1mm								
							531.51 Fine moly on dry fract @ 080								
							532.35 - 1cm qtz vein @ 015 @ ser + good moly selvedges								<0.05
							Sub-porph character declines in this interval								
533															

HOLE NO.: 9-1 | PROJECT: Sa al Cr | PAGE NO.: 3C OF

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N E | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY: G. H. Raymer

SECTION	ALTERATION: Silica	Sericite	Clay		FRACTURING	MINERAL M.S.	GEOLOGY	COMMENTS: Metres / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT	ESTIMATED M.S.
533								Still massive f.g. qtz monz - no phenos 533.30 fract @ 025 @ ser hem & moly - both weak 533-533.6 Fract set - steep averaging 025 @ 3/m carry variable amounts of hem, py, moly (wk) ser & qtz 535.80 Single barren qtz vlt @ 080 - 1mm				py	NQ			
536								536.05, 536.15 & 537.60 - Barren 1mm qtz vlts @ 080 Also shatter complex of several of these @ 080 @ 536.60 Rest of section massive & dead.								
539								539.0 - 539.9 Massive dead qtz monz (f.g.) as above 539.9 - 542.0 Shatter fracture area. fracts about 5-10/m mainly steep, irreg & discontinuous. All carry talc(?) some ser & mod fine hem. Silica sparce								
542								2cm of hem shatter vlts (above) ends about 542.15 543.30 - 543.40 wk shear & fract zone @ 020 - some clay alt'n Only dry fracts in interval 035-045 - 10/m Rock still massive non-porph f.g. qtz monz.								
545								545.2 Barren 0.5 mm qtz vlt @ 015 545-548 qtz vlts 0.5 mm @ 080 - 1/m. Massive & dull								
548																

HOLE NO.: 79-1
COLLAR ELEV.:
COORDINATES:
INCLINATION: 52
GROUND ELEV.:
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BEARING:
PROJECT: Sand Cr
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:
PAGE NO.: 37 OF
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY: G. H. Rayner

COMMENTS: Metres

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: Silica	Sericite	Clay	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT	ESTIMATED
548							548.60 - fract @ ser + hem - 040 548.78 - 549.0 shatter zone of about 6 fracts averaging 020 carrying ser + moly 550.02 - Hairline fract w moly @ 15° 550.36 & 550.41 - Two 0.5mm qtz vlts w a dusting of moly. Both vlts are cut + offset 6mm by an irreg fract. w thin moly running sub// to core				NQ				Mo Sc
551							551.38 Fract w strong seam of moly @ 020 552.19 Similar fract @ 035 552.22 - 552.38 Zone of shatter vlts w qtz + fine moly dustings. Atts generally 020-030 but variable							<0.05
554							Massive f.g. qtz monz - a few phenos now coming in. Fracts w hem, talc(?) + wk ser 1/m 020 553.23 - Fine qtz vlt (0.5mm) w moly 040 - Similar @ 555.63 - 035° 555.76 Very thin irreg fract w moly dust - 030							<0.05
557							Fracts w wk hem, talc(?) + ser - 2/m - 020-025 Generally massive - very weakly porphyritic Wk thin irregular (non-planar) fracts w wk fine moly @ 558.21 - 025° 558.51 - 030°, 558.84 - 075°, 559.75 - 020							tr
560							Massive - wkly sub-porph qtz monz Wk ser alt'n of plag phenos. Fracts w wk hem, talc + py 1-2/m 020-035 Single fract (0.5mm) @ 562.72 - qtz w mod moly. 030°							tr
563														

HOLE NO.: 9-1
COLLAR ELEV.: GROUND ELEV.:
COORDINATES: N E
INCLINATION: 52 BEARING:
PROJECT: Sa[illegible] Cr
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:
PAGE NO.: 38 OF
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY: G. H. Rayner

COMMENTS: Metric

SECTION	ALTERATION: Silica	Sericite	Clay	FRACTURING	MINERAL %	GEOLOGY	DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT.	ESTIMATED
563				2/5			563.85 - 1mm qtz vlt @ 020 (w) wk moly dust. 563.0 - 564.45 - Massive 564.45 - 565.30 - Shatter zone (w) clear sharp margins. Some talc(?) on shatter fracts.			other sulph & ox	Py	NQ			Mo Sc
566				1/10		II	Massive wkly sub-porph f.g. qtz mong wk ser alt'n of plag phenos. 566.23 & 566.40 - Fracts @ 025° (w) thin moly films 566.73 - 567.10 & 567.38 - 567.50 Areas of irreg. shatter fracture clusters - 1-2 cm spacings. Carry hem & talc & also wk to mod py in lower set. Atts average about 020								
569				2/m		II	Massive as above 570.07 Fract (w) hem & wk py @ 050 Some dry fracts (w) talc 8/m 570.88 - 2 cm fine fract zone @ 030 (w) hem, py & cp 571.17 Two hairline fracts (w) moly 040 & 025 (w) strikes 60° apart. 571.60 Barren 1mm qtz vlt @ 070			wk cp					
572						II	572.21 Thin (0.5mm) qtz vlt @ 020 (w) fine moly dust. Hemon fracts through section (wk) Fracts 2/m 1 one @ 040 & some 020 573.08 & 573.34 - 0.5 mm qtz vlts @ 035 (w) fine moly dust & selvedges 574.28 - 574.55 - Shatter & sub-bx area (w) ser alt'n (strong) of milled matrix. Some frags rotated. Matrix of shatter zone also carrys 2-3 % hem. Trend of zone 025°								
575						II	Massive. Phenos decrease Fracts (w) hem talc & wk ser 2/m @ 030. 576.31 - 576.40 zone of shatter fracts healed (w) hem, qtz & wk ser - 020 577.87 & 577.97 Hair line qtz fracts (w) moly dust @ 065 & 070 577.75 - Specimen taken Normal massive f.g. sub-porph qtz mong.								
578															

HOLE NO.: 9-1
COLLAR ELEV.:
COORDINATES: N E
INCLINATION:
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PROJECT: Saral Cr
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:
PAGE NO.: 39 OF
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY: G. H. Raymer

COMMENTS: Metric

SECTION	ALTERATION: Silica	Sericite	Clay	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
578							Massive sub-porph f.g. qtz mong.								Mo 5
							Thin 0.5mm qtz seams @ moly dust 1/m. @ about 065°								
							579.05 - 1cm qtz-ser shatter stockwork ⊥ to core					NQ			
							580.00 - 3mm qtz vein @ hem @ 018°								
							580.65 - 1mm qtz vlt @ 045 @ hem								
581							Fracts (vlts) hairline to 0.05mm. @ 040-055 qtz @ thin films of moly 2-3/m.								
							581.62 - 1cm fract-shatter zone @ 025 @ hem.								
							Pheno content declines toward end of section								0.05
584							Fine hairline fracts @ fine moly dusting 1-2/m - 030								
							584.56 - 1mm qtz fract @ moly selvedges - thin @ 030								
							585.10 (040°) & 585.98 (025°) - Barren qtz veins 2-3mm thick.								tr
							still wkly sub-porph								
587							Dry fracts @ thin moly seams increase 3/m - 030°								
				5 m			585.32 - wk hem. @ moly on fract of above set.								0.05
590							Massive (very) f.g. sub-porph qtz mong								
							Dry fracts @ moly decrease 1/m - 030.								
				2 m											tr
593															

HOLE NO.: 9-1
COLLAR ELEV.:
COORDINATES: N. E.
INCLINATION: BEARING:
GROUND ELEV.:
PROJECT: Sam / Cr
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:
PAGE NO.: 40 OF
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY: G.H. Rayner

COMMENTS: Metric

SECTION	ALTERATION: Silica	Sericite	Clay	FRACTURING	MINERAL Mo %	GEOLOGY	DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT	ESTIMATED
593							593.03 · 2mm qtz vein @ 040 (w) strong moly on selvedges				Py				
							593.96 - 1mm qtz vlt (w) hem & mag @ 020					NQ			
							594.74 - 1mm qtz vlt (w) fine moly dusting @ 025								
				3/m			Barren 0.5mm qtz vlts @ 035 through section.								tr
							595.76 - 2mm qtz vlt @ 035 (w) hem.								
							Very wkly porph								
596							Still massive f.g. sub porph qtz monz.								
							596.46 - 1mm qtz vlt (w) moly films on selvedges - fairly strong								
							similar to above @ 597.32 - both @ 030								
							597.39 - 3mm qtz vein with diffuse borders (must have sharp)								
							carrys fine moly dust & some hem grains - 020°								tr
							598.50 - 3mm qtz vein @ 020 (w) fine dusting of moly								
							Dry fracts 1/m 015 - talc								
599							599. - 601.0 Fine qtz vlts (w) dust of moly 030 - 1/m.								
				3/m			599 - 602 Barren qtz vlts 020 - 025 1mm - 1/m								
							599.20 - 2-3 hairline shatter vlts - 100cy. (w) hem								
602							Still massive f.g. qtz monz - Phenos sparce ± 1%								
							602.39 - 1mm barren qtz vein @ 020 - (very sparce moly dust)								
				5/m			Borders somewhat diffuse. This cut by hairline fract (later)								
							(w) moly. 025. Strikes differ by about 90°								tr
							603.37-6 603.57 Hairline fracts @ 030° (w) hem & wk talc								
							604.45 Irreg moly fract -010° ± variable moly films								
605							605.88 - 606.02 Shatter fracts (w) hem mainly 020								
							606.26 - 606.40 Shatter - shear zone @ 035. Frags								
				3/m			shifted but not rotated (diag). Reverse movement								
							indicated. Matrix healed (w) ser & hem								
							606.53 - 606.65. Shatter fracts - hem & ser @ 030								
608															

HOLE NO.: 9-1
COLLAR ELEV.: GROUND ELEV.:
COORDINATES: N E
INCLINATION: BEARING:
PROJECT: Sal. Cr
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:
PAGE NO.: 41 OF
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY: G. H. Rayner

SECTION	ALTERATION: Silica	Sericite	Chlorite	Clay	FRACTURING	MINERAL Mo	GEOLOGY	COMMENTS: DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT	ESTIMATED MoS2
608					5/m		Pg	608.14 & 610.47 - Fracts @ hem & ser @ 025° & 040° respectively 608.17 Diffuse qtz vlt. 1mm @ 015 - tr moly dust Similar sharper vlt. @ 610.0 - 020° again tr. moly dust. 608.16 - 608.40 - Weakly dev. pegmatitic text @ an 020° orientation 610.77 Fract @ 030 @ qtz (1mm) & unknown mineral. Pale yellow to pale red-brown variations in colour. Red-brown most common. soft ± 3d.		Other Sulphides		Pg	NQ			
611					8/m		π	611.22 - 611.40. Zone of shattering & fracts @ about 020° - 035° Fracts filled mainly @ red-brown min noted @ 610.77. Specimen 611.27 Fracts @ hem & ser 3/m to 612.80 @ 020 - 025 612.80 - 613.45. Zone of wk steep irreg shatter fracts @ hem & ser. Also some pervasive ser alt'n in this area. Rock very whity porph								
614					Shatter		π	614.02 - 1cm shatter vein - lensy. Filled by frags, fine hem & prob qtz & ser masked by hem dust. Rock is still f.g. qtz mons but shows somewhat different texture - Micro graphic appearance. 614.20 - 615.80 Zone of shatter fracts @ hem & talc(?) Atts irreg but generally 020°. This grades into strong shatter zone running to 615.50 @ strong ser only - pervasive & fracts. 616.41 Moly Fract - sinuous ± 020°								
617					5/m		Pg CR	617.0 - 617.36 - Barren massive qtz mons 617.36 - 618.26 Zone of 12 moly fracts - shatter type, often branching, hairline to 3mm. Moly seams often fairly thick. Strong ser on thicker vlts. 617.52 - 617.63 Coarse pg zone @ remnant of C.R. assim material 619.56 - 3mm qtz-ser vlt @ moly selvedges & dust 015°								0.07
620					3/m			Mainly massive unbroat f.g. qtz mons. Phenos rare. 621.70 - 1-2 mm vlt @ 015 @ fine moly in qtz-ser 621.88 Shatter vlt @ 020 - 5 mm - 1cm. qtz @ poss fine but 2nd. biotite					V			
623																

HOLE NO.: 9-1
COLLAR ELEV.: GROUND ELEV.:
COORDINATES: N. E.
INCLINATION: BEARING:

PROJECT: Saral Cr
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:

PAGE NO.: 4/2 OF
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY: G. H. Rayner

COMMENTS: Metric

SECTION	ALTERATION: Silica	Sericite	Clay	FRACTURING	MINERAL Mo S2	GEOLOGY	DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED Mo S2
623				5/m			623.33 - 624.80 Shatter - fracts - irreg, generally 020° - 5/m @ hem & talc Rest of section massive - dull			0.2 per 5x1 px 1 px	Pg Pg	NQ			
626				5/m			626.33 & 628.0 - Fracts @ 020 @ wk hem 626.66 - 627.15 Tight shatter & by zone healed @ qtz, ser & wk hem. Governing atts - 020 - 035, Hem on fracts & disbem. 628.40 - 626.63. some well assim Coast Range remnants.								
629							Dull f-g, qtz monz. 5%. increase in phenos to 1-2 % Single dry fract runs length of core for much of interval Qtz vlts 1-2 mm @ fine hem - 630.90 - 040°, 631.14 - 040°, 631.44 - 032° 631.93 & 631.95 Two // qtz vlts 1-2 m @ fine moly dust - 030°								
632				20/m			632.83 & 632.89 1-2 mm qtz vlts @ 020 @ fine moly dust. 634.95 - 1mm barren qtz vlt @ 030 - fine moly dust. Wk shattering 633 - 634 - random atts.								
635							635.14 Dry fract @ fine moly dust @ 035 636.80 - 636.83 - 4 moly seams @ strong moly (0.2 mm?) in shatter - fracture zone @ 045. Fracts irreg. 636.92 - shatter - fract - 1 cm - @ 030. Fairly good moly films some open space in center @ qtz xlts. 637.0 - 637.40 Zone of 10 fracts @ 040 @ ser, qtz, some open space & grains of kaolin. Bleached selvedges. Fracts are flat - offset thin qtz vlt @ 637.32 (045) - offset 1 cm. 637.73 Moly on fract @ 020°								<0.05
638															

HOLE NO.: 9-1
COLLAR ELEV.:
COORDINATES: N E
INCLINATION: 55
GROUND ELEV.:
BEARING:
PROJECT: Sai / Cr
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:
PAGE NO.: 43 OF
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY: G. H. Raguer

COMMENTS: Metric

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: Silica	Sericite	Clay	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
638							638.05 - 638.35 - Mod shattered - tule on fracts - late type-random 639.0 - 640. 3-4 fracts @ 025 ⓦ red-brown mineral as in specimen @ 681.27 639.50 small c.of assim. Coast Range 639.96 - 2mm qtz vein @ 015 ⓦ fine hem				NR				Mo.S.
641							still massive p.g. qtz mons. 640.0 - 640.70 - shattered. Two irreg seams ⓦ moly films in this interval attd uncertain in chips - one steep (10°±) the other 050°± @ 640.60. Both are shatter vlt type. 642.26 - 642.31 zone of strong 1-mm qtz vlts ⓦ wk hem @ 035 Scatter // fracts of same system continue to 642.50 ⓦ no hem								tr
644							644.15 - Irreg fract (non-planar) ⓦ moly seam @ 030°± 644.26 & 644.53 - 644.63 - Assim C.R. material. 645.67 - 648.71 - Core recovery poor. Several grinding surfaces noted. 646.80 - 647.00 - Moly on 2 fracts @ 040 in chips								tr
647							648.95 - shatter vlt - 0.5mm qtz - moly ± 010° - irreg - fades out at one end. 649.13 - Two vlts ⓦ moly. Early one qtz - moly dust 015°. Second dry ⓦ good moly seam 020, strike almost ⊥ to first. 5mm normal offset. 649.45 & 649.64 - strong (0.2mm) moly seams @ 040								0.05
650							Thin moly dust on fracts 650.11-035°; 650.33-060°. 651.23 - 651.33. System of 4-5 branching shatter fracts @ 020° ⓦ thin moly seams. 651.48 - 651.52 - Assim C.R. material Thin regular 1mm qtz vlts ⓦ moly dust 651.87-020; 652.31-040°; 652.48-020° 652.63 1.5 cm shatter - bx 3 one @ 015 ⓦ sec & wk hem.								<0.05
653														

HOLE NO.: 79-1 | PROJECT: Sa. Cr | PAGE NO.: 44 OF

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: N. E. | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY: G. H. Rayner

COMMENTS: Metric

SECTION	ALTERATION: Silica	Sericite	Clay	FRACTURING	MINERAL %	GEOLOGY	DESCRIPTIVE GEOLOGY	SULPHIDES %	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED MoS2
653							653.19 - 653.29 - Zone of shatter vlts @ 030° - branching - hairline to 2mm of qtz @ sparse clay grains; qtz rsts & small blob of cp in central open space of vlt.	cp		NQ				
							653 - 654 - 2-1mm vlts of qtz @ 020 @ fine moly dust.							
							654 - Irreg branching shatter fracts @ coatings of moly. Atts variable. Spacing averages 10/m² for this interval.							tr
							655.73 - 4mm qtz vlt - 023° @ strong moly dust.							
							655.85 - Two irreg fracts @ moly dust @ 020 - strikes @ 90° to each other							
656				5/m			656.32, 656.56, 656.73, 656.86 & 657.56 - Fracts @ moly films (thin) Fracts all @ 020 - non-planar type.							<0.05
							656.87 - Barren 1-2 mm qtz vlt - Cross cuts moly fracts (above) & may be later. Strike dip 60°.							
659							659.04 - Shatter fracts (3) @ 025 @ fine moly							
							659.58 Fract @ 0.5mm moly - planar type @ 035							<0.05
							Some grinding. End of NQ Core.							
660.20							660.70 - 1mm qtz vlt. @ hem.			BQ				
							660.8 - Fract @ 020 @ fine moly dust							
				30/m			Flat feature set comes in about 660.50 - 20/m							tr
662							662.15 Irreg Fract @ moly sub // to core							
							Barren 1mm qtz vlts 662.59, 063°; 662.71, 050; 663.5 Est. 045°							
				30/m			~~662.5~~ 663.19 Fract @ 1mm qtz & good moly selvedges @ 020							tr
665							Thin fracts @ qtz & fine moly dust @ 020 - 3/m							
							665.64 - qtz vlt 1-2 mm @ strong moly selvedges - 030°							
							667.50 - 1mm qtz vlt @ 032° @ good moly selvedges							<0.05
				20/m										
668														

HOLE NO.: 9-1
COLLAR ELEV.: GROUND ELEV.:
COORDINATES: N E
INCLINATION: BEARING:
PROJECT: Sam Cr
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:
PAGE NO.: 45 OF
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY: G. H. Rayner

COMMENTS: Metric

SECTION	ALTERATION: Silica	Sericite	Clay	FRACTURING	MINERAL Mo Sl	GEOLOGY	DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT	ESTIMATED Mo Sl
668				35/m			Fracts w good moly films (dry) @ 030 - 3/m 669.09 - 1mm qtz vlt w fine moly selvedges - 030° Otherwise fresh massive non-porph qtz mons			other sulph	Py	BQ			0.05
671							671.52 - 8mm qtz vlt w diffuse borders @ 030 - barren 672.0 - 672.04 - 5 fracts in this interval - 4 with moly films & one with hem - all 025° 673.30 - 673.65 - shattered - barren 673.86 - fract @ 015 - wk hem								tr
674				20/m			Fracts w wk moly films 2/m - variable 025° - 040 Also barren qtz vlts - 1mm - 025 - 040° - 2/m Fracts w moly are later than barren qtz fracts Otherwise massive - dull								tr
677							Fracts w wk moly 1/m 020° - 035° Hem on sheared fract @ 679.39 - 035° 679.50 - 679.90 - 3 fracts w hem 015 - 020° - also talc(?)								tr
680				30/m			680.33 - Fine qtz vlt w moly film 035°. 681.29 - 1mm qtz vlt - 020°. barren 681.38 - 681.60 - qtz vlts to 5mm in alt zone of wk shearing - Alt 030°. Alt'n prob kaolin. Wk hem selvedges w thicker qtz vlts. Also wk crushing & clay alt'n to end of section Fract w hem 682.90 - Also 1 barren qtz vlt 1mm - 030°								
683															

HOLE NO.: 79-1 | PROJECT: Salal Cr | PAGE NO.: 46 OF

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: | N. | E | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY: G. H. Rayner

COMMENTS: Metric

SECTION	ALTERATION: Silica	Sericite	Clay		FRACTURING	MINERAL %	GEOLOGY	DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED MoS2
683					10/m			Section shows crude interbanding of f.g & m.g. qtz mons types. All contacts gradational & intermediate types occur. Banding (& prob contact?) @ 030// to mineralized fract set. Fracts @ hem: 683.05 - 020; 685.41 - 035 & 685.88 - 030°. Shatter fracts @ hem & wk cp from 683.90 - 684.15 @ 035. One fract of this set carries mainly py		0 tr cp			BQ			
686								Similar to above interbanded material. M.g. type dominates by end of section. 686.36 - 686.82 zone of 6 qtz fracts @ fine moly @ 030 - planar type. 687.12 - 1 mm barren qtz vlt @ 030. 687.39 - 687.47 & 687.81 - 687.99 - Groups of mixed planar & shatter fracts @ good moly. Attis mainly 030 - 045.								0.05
689					3/m			Massive m.g qtz mons. Ser. alt'n of larger plag xsts. Barren qtz vlt 1 mm. 020° - 035° - 1-2/m. 689.26 Fract @ py & tr(?) @ 010°. 690.41 - Fract @ moly @ 035. 692.0 - Fract @ moly (wk) @ 040								tr.
692					8/m			692.38, 692.65 & 692.98 - Moly on fracts @ 035° - dry. Gradational interband of f.g. qtz mons from about 694.00 to about 695.0. Contacts not distinct but band appears to be about 030°. 694.86 - 1 mm qtz vlt @ moly dust @ 030°								
695					n.i.			Massive dull m.g. qtz mons. 696.60 - Qtz vlt. 3 mm. barren @ 035°. No other fractures. Some dissem hem ± ½%. still ser alt'n of larger plag grains.								
698																

HOLE NO.: 19 1
COLLAR ELEV.:
COORDINATES: N E
INCLINATION: BEARING:
GROUND ELEV.:
PROJECT: Sand Cr
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:
PAGE NO.: 47 OF
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY: G. H. Rayner

COMMENTS: Metric

SECTION	ALTERATION: Silica	Sericite	Clay	FRACTURING	MINERAL Mo S2	GEOLOGY	DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED Mo S2
698				1/m			698.13 - 7mm qtz vein - diffuse borders @ 035° - Carries both hem & fine moly. 698.32, 698.78, 699.23 & 700.61 - Qtz fracts @ fine moly dust @ 030				Py	DA			tr.
701						π	Massive uniform m.g. qtz mon. ± 1% biot. at start of section. Grains of dissem hem ± ½%. Gradational contact across 1-2 cm @ f.g. @ 701.95 ptt uncertain but prob fairly flat. 702.25 - 702.60 - Shattered in strange conical pattern centered on core axis. Must be result of stress along core axis during drilling with both axial & rotational stresses. Similar fracts 703.30 - 703.60									
704				3/m		π	All massive sub-porph f.g. qtz mon. 704.64 - 5mm diffuse qtz vein @ 050° @ wk moly 706.38 - 706.42 - Assim coast range dte. 706.71 - Fine moly in thin qtz seam @ 040°								
707				1/m		π	Massive f.g. sub-porph f.g. qtz mon. 707.87 - 1 mm irreg brown qtz vlt - 075° 707.94, 708.08 & 708.24. Thin qtz seams @ fine moly @ 035° Similar fracts @ very wk moly 709.0 & 709.38 @ 045								tr
710				3/m		π	Similar massive material very thin fracts @ moly dust 1/m @ 035 Still ser alt'n of plag phenos								tr.
713															

HOLE NO.: 9-1
COLLAR ELEV.:
COORDINATES: N E
INCLINATION: 52
GROUND ELEV.:
BEARING:
PROJECT: Sar Cr.
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:
PAGE NO.: 48 OF
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY: G. H. Rayner

COMMENTS: Metric

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: Silica	Sericite	Clay	FRACTURING	MINERAL %	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT	ESTIMATED
713				1/2 m		π	713.03 Qtz vein 4mm @ 038° @ good moly seams. 713.68 Thin fract @ 030 @ tr. moly dust All massive dull f.g. sub-porph qtz monz Sparse dissem hem ± ½ %		0.68	1.4	BQ			tr
716				3 in.		π	716.01, 716.54, 717.65 - fine fracts @ 030 @ fine moly traces. 717.78 Fract @ 045 @ qtz & good moly dusting Barren qtz vlts @ 1/m @ 035° Dull, massive, uniform.							tr
719						π	Rock becomes gradually more strongly porphyritic. By end of interval approaches m.g. appearance but still porph fine. 719.26 - Barren qtz vein 6mm @ 035 - diffuse borders. 719.51 Qtz vein 4mm @ 035 - scattered moly grains 720.58 Barren 3mm qtz vein @ 030° Ser alt'n of plag irreg & wk							
722						π	Rock now prob best described as m.g. qtz monz rather than porph f.g. Slow gradational change 722.19 - 4mm qtz vein @ 045 - diffuse type, barren. Still some dissem hem ± ½ % Biotite phenos & fine shreds ± 1 %							
725							725.58. Qtz vlt 1.2 mm @ 045 - sparse moly dust Qtz vlts - 030° 1-2 mm, barren, 1/m Trace (1-2 fine grains) of dissem moly 727 ±							
728														

HOLE NO.: 9-1
COLLAR ELEV.: GROUND ELEV.:
COORDINATES: N. E.
INCLINATION: 52 BEARING:
PROJECT: Sulai
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:
PAGE NO.: 49 OF
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY: G. H. Rayner

COMMENTS: Metric

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: Silica	Sericite	Clay	FRACTURING	MINERAL %	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
728							Still massive uniform m.g. qtz monz.		Other surph qtz	14	BQ			MoSu
							729.08 2mm barren qtz vlt @ 035° - poss to moly dust.							
				4/m			729.37 - 730.0 - 4 thin fracts @ wk hem & tale(?) @ 017°							
							Dissem. hem dies out							
							730.28. Qzt vein 1-3 mm @ hem & some open space @ 015°							
							730.85 - 1mm barren qtz @ 05°							
							730.50 - sphal crystl to 1mm @ tacolin in vug		tr sphal					
731							731.02 - 1cm crush zone @ 045 healed by mod ser & hem							
							Barren qtz vlts ± 1mm 1/m @ 035							
				2/m			Sinuous fract @ 733.40 @ talc & tr py - 05°							
							Dissem hem ± ½% comes back							
							731.20. 2 cm Coast Range xeno @ 5-10% spec hem. & ser.							
734							Massive m.g. qtz monz - very uniform							
				1/m			735.48 - 1mm barren qtz vlt @ 040°							
							To dissem hem							
737							Similar to above.							
				1/m			Barren qtz vlts 1mm @ 035. - 738.04, 738.34, 739.64 (to hem)							
740							740.88 - 740.43 Aplite dyke (f.g. qtz. monz?) fairly clot but irreg sharp contacts.							
							No other fracts or features (structural) in interval							
							Sparce dissem hem continues							
743														

HOLE NO.: 9-1
COLLAR ELEV.:
COORDINATES: N E
INCLINATION: 5°
GROUND ELEV.:
BEARING:
PROJECT: Sala. Cr.
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:
PAGE NO.: 50 OF
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY: G. H. Rayner

COMMENTS: Metric

SECTION	ALTERATION: Silica	Sericite	Clay	FRACTURING	MINERAL %	GEOLOGY	DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP INT	ESTIMATED
743					3/m		Still dull massive uniform m.g. qtz mon3 743.34 - 743.39 2 or 3 late dry fracts @ 010° @ talc(?) Sparce ser. alt. plag grains - always larger ones 744.76 & 745.02. Thin qtz vlts @ 030 @ very fine moly dust 745.75 fract @ 05° - sinuous @ thin moly seam.			py sulph. 0.5	py	BQ			
746					2/m		Massive m.g. qtz mon3. Wk fol'n defined by poor orientation of bio shreds (1-1%) @ 070°? 747.44. wk fract @ 070° @ sparce hem. 748.24 - 1mm qtz vlt @ moly dust @ 030° Sparce dissem hem continues								
749					m/		Massive uniform m.g. qtz mon3. No fracts or struct in interval Sparce dissem hem continues								
752					m/		754.30 - 45. Fractured area @ fracts @ 015 @ sparce hem & talc(?). Density uncertain - only chips in box. Rest of interval massive uniform no structs.								
755					m/		755.49. 1mm barren qtz vlt @ 075° Still dissem hem. & sparce ser alt'n of plag.								
758															

HOLE NO.: 9-1
COLLAR ELEV.:
COORDINATES: N E
INCLINATION: BEARING:
GROUND ELEV.:
PROJECT: Tal Cr.
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:
PAGE NO.: 51 OF
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY: G. H. Rayner

COMMENTS: Metric

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: Silica	Sericite	Chlorite	Clay	FRACTURING	MINERAL %	GEOLOGY	DESCRIPTIVE GEOLOGY	SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED
758								759.75 – 759.84. Zone (dyke?) of aplite. Contacts indistinct & irreg but about 070°				BQ			Mo Sc
					nil			760.34 & 760.66 – 1mm qtz vlts @ 015 w moly seams							1v
761								Still massive m.g. qtz monz.							
								761.80 hem on fract (wk) @ 015°							
								762.52 – 762.83. Zone of fine but wk crushing – no rotation of frags. Healed w sericite, hem (wk) & trace cp. Att not obvious but prob fairly flat		tr cp					
								763.05 – 2 fracts // @ 015 w hem & wk talc(?)							
764								764.32. Fract w open space & wk ser. – 015							
								Still some ser alt'n of larger plag grains							
								Dissem hem ± ½ %							
								765.34 Barren qtz vein – 3mm @ 050°							
767								767.12 Hem – talc(?) fract @ 010°. Also barren 1mm qtz vlt 035° – same strike – opposite dip. Qtz vlt offset 1-2 mm by hem fract – normal movement.							
					nil			Dissem hem ± 1 %							
								768.55 – 768.60 wk shattering (crushing) healed by sparce hem							
770								Massive uniform m.g. qtz monz. Fracts or struct absent.							
					nil			771.33 fract w wk talc(?) & hem @ 065							
773															

HOLE NO.: 79-1
COLLAR ELEV.:
COORDINATES: N E
INCLINATION:
GROUND ELEV.:
BEARING:
PROJECT: Sa.al Cr.
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:
PAGE NO.: 52 OF
REF TO CLAIM CORNER:
SCALE:
LOGGED BY: G. H. Raguer

SECTION	ALTERATION: Silica	Sericite	Clay	FRACTURING	MINERAL %	GEOLOGY	COMMENTS: Metric — DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT	ESTIMATED
773							773.17 Barren imm qtz ult @ 015° 773.28 - 773.56 Shear & alt'n zone @ 10°. Shearing & strongest alt'n confined to section 773.37 - 773.49. Alt'n consists of strong ser & clay as course (1mm) aggregates. Also hem in footwall ~~north~~ portion of shear. 774.20 - Barren qtz ult - 1mm @ 030 774.75 - 775.20 shattered		ocher stain on ox	py	BQ			
776				10/m			776.63 - 2 shatter fracts @ hem & ~~clay~~ talc(?) @ 015 - 020 - non planar 777.12 Strong fract @ hem @ 010 - some talc(?) 777.71 - 777.78 - Two flat aplites 1cm & 2.5cm. Borders indistinct. 777.85 - 777.95 - Shatter fracts @ hem @ 040°± - 5 fracts. - non-planar 778.42 - fract @ hem @ 040 778.67 - Barren imm qtz ult. @ 037° Also steep irreg (05° - 015°) late fracts @ talc(?) - 5/m							
779				3/m			Massive rock gradationally approaches strongly porph f.g. qtz mong but prob still best described as m.g qtz mong. Specimen @ 780.97 Structures virtually absent except sparse (3/m) late steep fracts							
782				3/m			Massive, uniform m.g. qtz mong 783.25 Barren imm qtz ult @ 020 783.67 Barren imm qtz ult @ 037 784.42 1cm barren qtz vein @ 045 - diffuse border type Sev. alt'n of larger plag xsts continues								
785							Massive uniform m.g (approaching porph f.g. type). 786.95 - 787.35. Zone of fracts at various atts - mainly steep with talc(?) & modist hem + py								
788															

HOLE NO.: 9-1
COLLAR ELEV.: GROUND ELEV.:
COORDINATES: N E
INCLINATION BEARING:
PROJECT: Su. / Cr
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:
PAGE NO.: 53 OF
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY: G. H. Rayner

COMMENTS: Metric

SECTION	ALTERATION: Silica	Sericite	Clay	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	P/C CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED Mo S2
788				1/m			Massive uniform dull qtz monz. - m.g. type - could also be described as crowded f.g. porph. Structures absent except for rare steep late fracts @ talc(?) Dissem hem ± 1%			Other sulph	Py	BQ			
791				2/m			Similar to above - uniform 792.38 & 792.54 - fracts @ 035° @ talc(?) & wk hem Late fracts @ talc(?) 1/m ± 020°								
794				4/1			Similar massive material 794.48 - Barren 1mm qtz vlt @ 055° Other structs absent - not even any late fracts 796.38 Fract (wk) @ talc(?) & wk hem @ 030° Sparce ser alt'n of larger plag grains								
797				2/m			797.23 - Qtz vlt 0.5mm @ 050° - barren 798.46 - 799.10 Rock changes gradationally into clear purple f.g. phase and then back again by 799.10. No sharp contacts Sparce late fracts sub// to core.								
800				2/m			801.24 - Qtz fract - 1mm - some open space @ fine qtz xsts, also films of fine red-brown unknown min. Late fracts @ talc(?) @ 045 - sparce Still ± ½% dissem hem								
803															

HOLE NO.: -1
COLLAR ELEV.:
COORDINATES: N. E.
INCLINATION: BEARING
GROUND ELEV.:
PROJECT: Sala. Cr
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:
PAGE NO.: 54 OF
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY: G. H. Rayner

COMMENTS: Metric

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: Silica	Sericite	Clay	FRACTURING	MINERAL %	GEOLOGY	DESCRIPTIVE GEOLOGY	SULPHIDES %	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED MoS2
803				1/m			Massive uniform m.g. qtz mon3 Dissem hem ± t % Fracts @ wk talc(?) & wk hem - 020 - 1/m No late fracts		Other sulph ± 0.1		BQ			
806							Massive uniform as before 808. - 809 - 4 Fracts @ 045 - 050° @ talc(?) & very fine hem dust. Dissem hem ± 1 %		4					
809							Similar to above. Some shattering from 810 - 810.50 Fracts @ talc(?) & sparce hem - 8/m. - 045 - 055° Dissem hem ± 1 %							
812				3/m			Similar massive m.g. qtz mon3 Dissem hem & ser in large plag xsts continue Late steep (05 - 010°) fracts @ talc 1/m. 814.74 - Barren qtz vlt 1-2 mm - 045° No fracts @ hem							
815							816.13. - 1 mm qtz vlt @ hem @ 035 816.26 & 816.34 - barren qtz vlts - 0.5 mm @ 035 818.0 Thin qtz vlt @ smeared hem & talc(?) Otherwise massive, uniform Dissem hem ± 0.5 %.							
818														

HOLE NO.: 9-1
COLLAR ELEV.: GROUND ELEV.:
COORDINATES: N. E.
INCLINATION: BEARING:
PROJECT: Salal Cr
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:
PAGE NO.: 55 OF
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY: G. H. Rayner

COMMENTS: Metric

SECTION	ALTERATION: Silica	Sericite	Chlorite	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
818							Massive uniform material to 820.								
				2/m			819.67 Buren qtz vlt - 0.5mm @ 045°			Other sulph	Py	BQ			
							820.0 - 820.45 - 8-10 Fracts @ py @ 055° - also some hem. & @ wk silica. Fracts not distinct - Some py appears dissemination.								
821							Massive uniform. dull qtz mon (m.g.) from 820.45 to 824.0								
							Late dry fracts 1-2/m - mainly 065-070								
				2/m			Ser in plag grains cleaves somewhat. - <1%								
							Disem hem ± 1%								
824							Massive - uniform m.g. qtz mon								
							Fracts - dry - late - 2/m - 050								
				2/m			Disem hem sparce ≤ 0.5%								
827							828.10 Fract @ wk silica & mod moly film - 06°								
							Rock generally massive uniform.								tr
							828.75 - 829.95. Some wk shattering @ 060 & also fracts @ various att's @ wk hem, py & talc. Most of these fracts also ± 060° but various strikes								
830							830.05 - Fract @ hem, py & talc(?) @ 030								
							830.68-830.73 Shearing @ 070 for 2± cm @ qtz & py								
							Rock now good m-g qtz mon. - No l.g. porph obliterations.								
833															

HOLE NO. 79-1 | PROJECT: Salal Cr | PAGE NO.: 56 OF

COLLAR ELEV.: | GROUND ELEV.: | DATE STARTED: | REF. TO CLAIM CORNER:

COORDINATES: | N E | DATE FINISHED: | SCALE:

INCLINATION: | BEARING: | TOTAL DEPTH: | LOGGED BY: G. H. Rayner

COMMENTS: Metric

SECTION	ALTERATION: Silica	Sericite	Clay	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
833				3/m			835.64 - 3-4 shatter fracts @ ± 040° (w) talc(?) & wk hem otherwise massive, uniform					36			
836				3/m			838.03 Barren qtz vlt @ 040 - 1mm 838.23 Barren qtz vlt @ 045 - 2mm Late shatter fracts 2-3/m (w) talc(?) @ 020° ±								
839				1/m			Massive, uniform dull m.g. qtz mons 840.15 - 840.31 - Fract-shatter zone (w) ser on fracts & also dissem. Poss. some clays Generally 065° Sl. pervasive sericite(?) from then on								
842				3/m			Massive uniform as before Some general wk alt'n of feldS - chalky opaque look quite different to yellowish-green appearance of ser alt'n in large plug sts which continues through this section Sparce late random fracts (w) talc.								
845				4/m			845.03 - 845.09. Fract set @ 030° (w) py & ser & wk hem Also sparce late fracts 2/m (w) talc(?) 025 - 030° 847.10 Pervasive ser & poss clay picks up & with it comes clotty dissem aggregates of py surrounded by grains of specular hem. Some wk shearing @ 030°								
848															

HOLE NO.: 19-1
COLLAR ELEV.:
COORDINATES: N. E
INCLINATION: 5°
GROUND ELEV.:
BEARING:

PROJECT: Sand Cr.
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:

PAGE NO.: 57 OF
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY: G. H. Rayner

COMMENTS: Metric

SECTION	ALTERATION: Silica	Sericite	Clay	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING SUPPORT INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT	ESTIMATED
848				1		S	Strong alt'n - Dominantly pervasive sericite (w) prob some clay continues to 849.35 then grades back fairly quickly to wkly alt. m.g. g'z mong. Diss py & hem closely assoc. alt'n & dies out @ same point. Wk shearing occs in alt. section.		1.5%		Py	BQ			
				1		S	849.52 - Barren imm g'z alt @ 020°								
						S	850.15 - Alt material (ser & clay?) (w) dissem py-hem begins again.								
851							Continuous pervasive ser + clay (?) alt'n (w) clotty py-hem aggregates through section. No obvious shearing or other control								
				5/m			Fracts @ 020 (w) py & sparse hem (?) 3-4/m		2-3 %						
							Some shear control (?) or banding in the alt'n from 853-854 @ 020°								
						S	Biotite is destroyed in these alt. sections								
854							854.0 - 854.20 Alt'n & py-hem continues as above then dies off sharply back to scattered ser-alt plag.								
							854.20 - Bio comes back as alt'n dies off. Some dissem hem also for rest of interval								
							This interval previously split & sampled making fracture estimates uncertain								
							854.87 - Barren imm g'z alt (w) 020°								
857							854.1 - Specimen taken								
							Similar to above								
							Still fairly strong scattered ser alt'n of plag but not pervasive								
							857.00 - 857.67 Py-dissem & fract controlled @ 030°								
				1/m			Late, steep, irreg fracts (w) tuf (?) 1/m - otherwise interval is fairly massive								
860							Similar to above								
				1			Section has been previously split so fracts uncertain - some steep late (w) tuf (?) prob 1/m								
							Rare dissem py & sparse hem								
				1			Scattered ser alt'n continues								
863															

HOLE NO: 79-1
COLLAR ELEV.:
COORDINATES: N E
INCLINATION: 52
GROUND ELEV.:
BEARING:

PROJECT: Salal Cr.
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:

PAGE NO.: 58 OF
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY: G. H. Rayner

SECTION	ALTERATION: Silica	Sericite	Clay	FRACTURING	MINERAL %	GEOLOGY	COMMENTS: Metric — DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP INT.	ESTIMATED
863							Good m.g. gt3 monz. Some pervasive clay alt'n & ser alt'n - pervasive & in larger plag grains. Also fracts 864 - 865.5 - 10 or 15 @ 030 @ good ser., wk hem. Dissem hem continues ± ½ %		Other Sulph or ox	Py	Py	BQ			
866							Rock similar to above. Alt'n patterns similar to previous except fracts @ strong ser more evenly spaced over interval 1/m. Section has been split so minor structs uncertain. Wk dissem hem continues. 868.68 & 868.85 1mm py veins @ 1-2 cm strong ser alt'n selvedges into walls - 070°								
869							Sericite shears @ mod dissem py - all 070° @ 869.02 (1cm); 869.15 (2cm), 869.24 - 869.29, 869.45 (1cm), 869.64 - 869.71. 870.65 - 870.81 - shattered zone @ pervasive strong ser & wk py. Barren 1mm gt3 vlts @ 020° @ 869.16 & 871.03. These vlts are earlier than the sericite-py shears. Wk dissem py 870.50 - 870.80								
872							Alt'n of feld weakens somewhat. No ser-py shears in interval. Sparse large poikolitic kelds up to 1.5cm noted in split core.								
875							Grades back to normal sparsely alt m.g. gt3 monz. 876.03 Barren 0.5mm gt3 vlt @ 040°. 874.60 - Fract @ talc & wk hem - 015°. Ser alt'n of larger plag continues. Dissem hem continues ± ½ % in grains up to 2mm.								
878															

HOLE NO.: 79-1
COLLAR ELEV.:
COORDINATES: N E
INCLINATION: 52
GROUND ELEV.:
BEARING:
PROJECT: Saral Cr
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:
PAGE NO.: 59 OF
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY: G. H. Rayner

COMMENTS: Metric

AVE CORE REC'Y / HOLE

SECTION	ALTERATION: Silica	Sericite	Clay	FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP INT.	ESTIMATED
878							878.25 - Py-ser - shear - 1cm 080 - some silica Late sleep fracts (variable) @ talc(?) otherwise uniform m.g. qtz monz			Py	BQ			
881							881.15-881.30 - shatter zone @ ser & talc & py on fracts. Also @ wk. bleach @ 881.26 on fract @ 065 Wk pervasive ser through section - Py on fracts @ ser - 020-035 2/m 883.50 - 1mm py vlt @ py @ 030 Sparse dissem py - 883-884		tr-Flow					
884							Solid section Very sparse & irreg dissem py Also ≤ 1% dissem hem 886.30-886.50 - Rock grades into lig qtz monz & back Fracts from 885 - 080 - 2/m @ py & ser 885.44, 885.73 & 886.74 Barren qtz vlts @ 035-040							
887				2/m			Fairly massive qtz monz 887.21 - Fract @ 025 @ py & talc(?) Wk dissem py continues to about 888 Thin (1-2mm) py-ser fracts @ 080 ≈ 2/m from 888 onward. Also thicker 1cm shear fracts in same set @ 888.34 & 888.44							
890							890.13 - Barren qtz vlt - 1mm @ 030 Pit in mainly ser in larger plag xsls Fracts @ 080 @ talc, py & wk ser & tr hem 6-8/m 891.85-892.90 fracts @ hem & wk py @ 020							
892														

HOLE NO.: 19-1
COLLAR ELEV.:
COORDINATES: N. E
INCLINATION: BEARING:
GROUND ELEV.:
PROJECT: Salal Cr
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:
PAGE NO.: 60 OF
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY: G. H. Raynes

SECTION	ALTERATION: Silica	ALTERATION: Sericite	ALTERATION: Clay	FRACTURING	MINERAL %	GEOLOGY	COMMENTS: Metric / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	SULPHIDES %	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP INT	ESTIMATED %
893							893.38 - 893.40 Ser-py shear @ 080° 893 - 894.4. Fracts @ 070° (w) talc & wk hem 6-8/m drops to 3-4/m for rest of section Barren qtz ults 894.05 - 5mm @ 030°; 894.28 - 1mm @ 030		Other sulph 1%	Py 1%	BQ				
896							896.63 & 896.73 - 1mm barren qtz ults @ 030° Fracts @ 080 (w) hem & wk py 2/m also some ser								
899							~~899 - 899~~ 899 - 900 Fracts (w) hem & ser - random 4/m mainly 080 900 - 901.50 shatter zone - main ults 030° & 080 (w) ser & hem on fracts. Also pervasive ser in plag. 901.50 - 902 - Fairly massive again.								
902							Split section 902.44 - hem on fract (w) talc(?) @ 030 Fracts (w) py & ser come in (030 - 050) increasing to 5/m by 905 Also sparse dissem py from 904 - 905 increasing to about 0.5% by 905								
905							905.3 - End of sparse dissem py. Fracts (w) wk py - 2/m (w) 075 - 080° Otherwise rock massive, uniform m.g. qtz-mons. Ser alt'n now only in larger plag grains								
908															

HOLE NO.: 79-1
COLLAR ELEV.:
GROUND ELEV.:
COORDINATES: N E
INCLINATION: 52
BEARING:
PROJECT: Sarah Cr
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:
PAGE NO.: 61 OF
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY: G.H. Rayner

COMMENTS: Metric

SECTION	ALTERATION: Silica	Sericite	Clay		FRACTURING	MINERAL	GEOLOGY	DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED % 52
908								Split section - Massive uniform m.g. qtz mons 909.50 - 911 - fracts 2/m @ 035 @ wk hem, talc(?) I ± % dissem hem through section.					BQ			
911								911.12 - Barren 1mm qtz vlt @ 080° 911.68 - Barren 1mm qtz vlt @ 020° - similar @ 911.94 - 0.5mm. 913.56 - Barren 2mm qtz vlt @ 025 Fine dissem hem grains continue								
914								Split section Appears to have been massive - dull. Late fracts - steep - talc(?) 1/m								
917								Massive unfract. uniform m.g. qtz mons 918.49 - late fract @ talc(?) 025 919.0 - 919.20 2 late fracts @ 025° @ talc(?) Dissem hem I 1%								
920																
923								921.37 Barren qtz vlt @ 025 - 2mm 921.57 - 921.69 Close fracts @ 030° @ talc, py & wk hem								

HOLE NO.: 9-1
COLLAR ELEV.:
GROUND ELEV.:
COORDINATES: N. E.
INCLINATION: BEARING:
PROJECT: Sand Cr.
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:
PAGE NO.: 62 OF
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY: G. H. Rayner

COMMENTS: Metric

SECTION	ALTERATION: Silica	Sericite	Clay	FRACTURING	MINERAL %	GEOLOGY	DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	% SULPHIDES	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y. SAMP. INT.	ESTIMATED
923							Split section Generally massive uniform m.g. gtz mong. Fracts - very fine ⊗ py, gtz & ser 2-3/m 060-080 (mainly 080)					BQ			
926							Similar to above. Massive, dull Dissem hem ± t %								
							Fracts ⊗ wk py, ser, 080 1/m								
929							Massive, similar to above. Fracts ⊗ wk py, ser 1/m 080 Late fracts ⊗ talc(?), steep, irreg 1/m Wk dissem hem continues								
932							932 - [redacted] - Massive material as above Section previously split - no obvious structures Ser alt'n of larger plug zoning continues. Wk dissem hem dies out								
935							935 - 935.29 Massive uniform material as above. 935.29 - 936.64 Shatter zone ⊗ strong ser alt'n on random fracts. Fracts mainly 030° but strikes variable Also strong talc(?) on same system Minor py & tr. hem on some fracts in system 936 - 938 Sparse dissem hem returns								
938															

HOLE NO.: 79-1
COLLAR ELEV.:
COORDINATES: N. E
INCLINATION: Mo Su
GROUND ELEV.:
BEARING:
PROJECT: Salal Cr
DATE STARTED:
DATE FINISHED:
TOTAL DEPTH:
PAGE NO.: 63 OF
REF. TO CLAIM CORNER:
SCALE:
LOGGED BY: G. H. Rayner

SECTION	ALTERATION: Silica	ALTERATION: Sericite	ALTERATION: Clay	FRACTURING	MINERAL	GEOLOGY	COMMENTS: Diorite / DESCRIPTIVE GEOLOGY	AVE CORE REC'Y / HOLE	SULPHIDES %	DRILLING INTERVAL	% CORE RECOVERED	CORE SIZE	SAMPLE INTERVAL	% REC'Y SAMP. INT.	ESTIMATED
938				1 / 2/m / 1			Split section - minor structs not noted except late steep fracts 1/m ∠ 030			Other Supp. # OK.	Py Py	BQ			Mo Su
941.53							940.95 Fract @ 045 (w) wk hem & ser								
941.53							941.106 941.48 wk fracts (a) hem, ser, 045 & 035°								

End of Hole

: NO.: 1 OF

CASING COLLAR ELEV.:

COORDINATES: N. 15,500 E. 8800

INCLINATION: -70 BEARING: 0 50 °

GROUND ELEV.: 1500M

PROJEC SALAL CREEK

DATE STARTED: JULY 21, 1979

DATE FINISHED: AUGUST 29, 1979

TOTAL DEPTH: 941.53 M

HOLE NO.: 79-1

REF. TO CLAIM CORNER: SALAL 9

SCALE: 1 cm = 1 M

LOGGED BY: G.H. RAYNER

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY ~ PPM. Mo	Zn	W	F		DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
		OVERBURDEN																	
10.67																			
12																			
		80002			16	56	1	570											
15																			
		80003																	
18																			
		80004			14	98	1	270											
21																			
		80005																	
24																			
25																			

GE NO.: 2 OF

PROJ SALAL CREEK

HOLE NO.: 79-1

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE:

INCLINATION: -70°

BEARING:

TOTAL DEPTH:

LOGGED BY:

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY Mo	ASSAY Zn	ASSAY W	ASSAY F		DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
25																			
		80006			35	30	2	540											
27																			
		80007																	
30																			
		80008			8	200	4	960											
33																			
		80009																	
36																			
		80010			4	188	1	450											
39																			
40																			

BE NO.: 3 OF

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N. E.

INCLINATION: BEARING:

PROJ: BALAL CREEK

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

HOLE NO.: 79-1

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY:

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY Mo	ASSAY Zn	ASSAY W	ASSAY F		DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
40																			
		80011																	
42																			
		80012			94	665	1	1110											
45																			
		80013																	
48																			
		80014			21	54	1	410											
51																			
		80015																	
54																			
55																			

DE NO.: 4 OF

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N. E.

INCLINATION: BEARING:

PROJ: BALAL CREEK

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

HOLE NO.: 79-1

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY:

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC	% REC.	ASSAY Mo	ASSAY Zn	ASSAY W	ASSAY F		DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
55																			
		80016			96	390	4	1010											
57																			
		80017																	
60																			
		80018			22	188	1	600											
63																			
		80019																	
66																			
		80020			62	1350	1	1130											
69																			
70																			

E NO.: 5 OF

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N. E.

INCLINATION: BEARING:

PROJECT: GALAL CREEK

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

HOLE NO.: 79-1

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY:

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY Mo	ASSAY Zn	ASSAY W	ASSAY F		DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
70																			
		80021																	
72																			
		80022			23	575	1	490											
75																			
		80023																	
78																			
		80024			31	44	1	240											
81																			
		80025																	
84																			
85																			

E NO.: 6 OF

HOLE NO.: 79-1

PROJECT: SLAL CREEK

DRILLING COLLAR ELEV.: GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE:

INCLINATION: BEARING:

TOTAL DEPTH:

LOGGED BY:

	DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY Mo	ASSAY Zn	ASSAY W	ASSAY F		DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY	ASSAY	ASSAY	ASSAY	
85																				
			80026			65	86	4	430											
87																				
			80027																	
90																				
			80028			28	24	2	490											
93																				
			80029																	
96																				
			80030			42	260	2	3290											
99																				
100																				

SE NO.: 7 OF

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N. E.

INCLINATION: BEARING:

PROJ: SALAL CREEK

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

HOLE NO.: 79-1

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY:

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY Mo	ASSAY Zn	ASSAY W	ASSAY F		DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY	ASSAY	ASSAY	ASSAY	
100																			
		80031																	
102																			
		80032			8	26	2	420											
105																			
		80033																	
108																			
		80034			89	140	3	1500											
111																			
		80035																	
114																			
115																			

BE NO.: 8 OF

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N. E.

INCLINATION: BEARING:

PROJE

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

HOLE NO.: 79-1

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY:

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY Mo	ASSAY Zn	ASSAY W	ASSAY F		DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
115																			
		80036			67	20	8	600											
117																			
		80037																	
120																			
		80038			19	70	1	400											
123																			
		80039																	
126																			
		80040			125	440	5	1150											
129																			
130																			

PAGE NO.: 9 OF

PROJE SALAL CREEK

HOLE NO.: 79-1

CASING COLLAR ELEV.: GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE:

INCLINATION: BEARING:

TOTAL DEPTH:

LOGGED BY:

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY Mo	ASSAY Zn	ASSAY W	ASSAY F		DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY	ASSAY	ASSAY	ASSAY	
130																			
		80041																	
131																			
		80042			50	30	2	540											
134																			
		80043																	
137																			
		80044			29	40	2	325											
140																			
		80045																	
143																			
145																			

GE NO.: 10 OF

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N. E.

INCLINATION: BEARING

PROJ: SALAL CREEK

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

HOLE NO.: 79-1

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY:

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY Mo	ASSAY Zn	ASSAY W	ASSAY F		DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
145																			
146		80046			5	20	1	260											
		80047																	
149																			
		80048			50	26	10	560											
152																			
		80049																	
155																			
		80050			10	18	2	240											
158																			
160																			

PAGE NO.: 11 OF

PROJ SALAL CREEK

HOLE NO.: 79-1

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY Mo	ASSAY Zn	ASSAY W	ASSAY F		DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
160																			
161		80051																	
		80052			42	510	10	520											
164																			
		80053																	
167																			
		80054			72	1400	7	730											
170																			
		80055																	
173																			
175																			

DE NO.: 12 OF

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N. E.

INCLINATION: BEARING:

PROJ: SALAL CREEK

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

HOLE NO.: 79-1

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY:

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY Mo	ASSAY Zn	ASSAY W	ASSAY F		DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY	ASSAY	ASSAY	ASSAY	
175																			
176		80056			33	10	2	340											
		80057																	
179																			
		80058			2	18	10	270											
182																			
		80059																	
185																			
		80060			6	18	1	230											
188																			
190																			

! NO.: 13 OF

PROJEC SALAL CREEK

HOLE NO.: 79-1

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY Mo	ASSAY Zn	ASSAY W	ASSAY F		DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY	ASSAY	ASSAY	ASSAY	
190																			
		80061																	
191																			
		80062			44	14	4	360											
192.6																			
		80063																	
194																			
		80064			63	14	5	255											
197																			
		80065																	
200																			
		80066			10	30	1	450											
203																			
205																			

SE NO.: 14 OF

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N. E.

INCLINATION: BEARING:

PROJ: SALAL CREEK

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

HOLE NO.: 79-1

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY:

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY Mo	ASSAY Zn	ASSAY W	ASSAY F		DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY	ASSAY	ASSAY	ASSAY
205																		
206		80067																
		80068			19	20	4	450										
209																		
		80069																
212																		
		80070			44	36	3	450										
215																		
		80071																
218																		
220																		

SE NO.: 15 OF

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N. E.

INCLINATION: BEARING:

PROJ: SALAL CREEK

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

HOLE NO.: 79-1

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY:

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO	INCHES REC	% REC.	ASSAY Mo	ASSAY Zn	ASSAY W	ASSAY F		DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY	ASSAY	ASSAY	ASSAY	
220																			
		80072			42	84	5	590											
221																			
		80073																	
224																			
		80074			68	34	10	510											
227																			
		80075																	
230																			
		80076			175	2000	4	520											
233																			
235																			

BE NO.: 16 OF

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N. E.

INCLINATION: BEARING:

PROJ. SALAL CREEK

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

HOLE NO.: 79-1

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY:

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC	% REC.	ASSAY Mo	ASSAY Zn	ASSAY W	ASSAY F		DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
235																			
236		80077																	
		80078			155	16	2	385											
239																			
		80079																	
242																			
		80080			250	22	4	355											
245																			
		80081																	
248																			
250																			

SE NO.: 17 OF

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N. E.

INCLINATION: BEARING:

PROJ: SALAL CREEK

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

HOLE NO.: 79-1

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY:

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY Mo	ASSAY Zn	ASSAY W	ASSAY F		DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY	ASSAY	ASSAY	ASSAY
250																		
251		80082			55	1400	10	1180										
		80083																
254																		
		80084			20	475	2	410										
257																		
		80085																
260																		
		80086			34	48	7	730										
263																		
265																		

GE NO.: 18 OF

ASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N E.

INCLINATION: BEARING:

PROJ: SALAL CREEK

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

HOLE NO.: 79-1

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY:

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY Mo	ASSAY Zn	ASSAY W	ASSAY F		DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
265																			
266		80087																	
		80088			66	24	45	1050											
269																			
		80089																	
272																			
		80090			27	46	6	840											
275																			
		80091																	
278																			
280																			

PAGE NO.: 19 OF

PROJECT: SALAL CREEK

HOLE NO.: 79-1

CASING COLLAR ELEV.: GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE:

INCLINATION: BEARING:

TOTAL DEPTH:

LOGGED BY:

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY Mo	ASSAY Zn	ASSAY W	ASSAY F
280								
	281	80092			32	14	1	225
		80093						
	284							
		80094			28	8	40	1280
	287							
		80095						
	290							
		80096			6	18	8	560
	293							
	295							

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY	ASSAY	ASSAY	ASSAY

PAGE NO.: 20 OF

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N. E.

INCLINATION: BEARING:

PROJE SALAL CREEK

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

HOLE NO.: 79-1

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY:

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY Mo	ASSAY Zn	ASSAY W	ASSAY F		DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
295																			
296		80097																	
		80098			2	40	6	580											
299																			
		80099																	
302																			
		80100			15	24	30	490											
305																			
		80101																	
308																			
310																			

SE NO.: 21 OF

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N. E.

INCLINATION: BEARING:

PROJ: BALAL CREEK

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

HOLE NO.: 79-1

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY:

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY Mo	ASSAY Zn	ASSAY W	ASSAY F		DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY	ASSAY	ASSAY	ASSAY
310																		
311		80102			1	26	1	315										
		80103																
314																		
		80104			26	40	6	990										
317																		
		80105																
320																		
		80106			5	44	2	360										
323																		
325																		

SE NO.: 22 OF

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N. E.

INCLINATION: BEARING:

PROJ: SALAL CREEK

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

HOLE NO.: 79-1

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY:

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY Mo	ASSAY Zn	ASSAY W	ASSAY F		DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
325																			
326		80107																	
		80108			1	30	2	195											
329																			
		80109																	
332																			
		80110			1	56	50	295											
335																			
		80112			1	321	30	430											
338																			
340																			

DE NO.: 23 OF

PROJ: SALAL CREEK

HOLE NO.: 79-1

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE:

INCLINATION: BEARING:

TOTAL DEPTH:

LOGGED BY:

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY Mo	ASSAY Zn	ASSAY W	ASSAY F		DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY			
340																		
341		80112			1	321	30	430										
		80113																
344																		
		80114			1	38	3	250										
347																		
		80115																
350																		
		80116			4	320	5	430										
353																		
355																		

GE NO.: 34 OF

ING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N. E.

INCLINATION: BEARING:

PROJE SALAL CREEK

DATE ..ARTED:

DATE FINISHED:

TOTAL DEPTH:

HOLE NO.: 79-1

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY:

	DEPTH INTERVAL		CORE								DEPTH INTERVAL		SLUDGE							
	FROM	TO	SAMPLE NO.	INCHES REC.	% REC.	ASSAY Mo	Zn	W	F		FROM	TO	SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
355																				
356			80117																	
			80118			7	14	8	420											
359																				
			80119																	
360.82																				
			80120																	
365																				
			80121																	
368																				
370																				

BE NO.: 25 OF

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N E.

INCLINATION: BEARING:

PROJ: SALAL CREEK

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

HOLE NO.: 79-1

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY:

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY Mo	ASSAY Zn	ASSAY W	ASSAY F		DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
370																			
371		80122																	
		80123																	
374																			
		80124																	
377																			
		80125																	
380																			
		80126																	
383																			
		80127																	
385																			

PAGE NO.: 26 OF

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N. E.

INCLINATION: BEARING:

PROJECT: SALAL CREEK

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

HOLE NO.: 79-1

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY:

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY Mo	ASSAY Zn	ASSAY W	ASSAY F		DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
385																			
385.49																			
		80128			2	6	1	230											
389																			
		80129																	
392																			
		80130			2	6	2	230											
395																			
		80131																	
398																			
400																			

PAGE NO.: 27 OF

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N. E.

INCLINATION: BEARING:

PROJE

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

HOLE NO.:

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY:

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY Mo	ASSAY Zn	ASSAY W	ASSAY F		DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY	ASSAY	ASSAY	ASSAY
400																		
401		80132			2	16	2	175										
		80133																
404																		
		80134			3	14	1	160										
407																		
		80135																
410																		
		80136			5	12	4	200										
413																		
415																		

PAGE NO.: 28 OF

PROJECT: SALAL CREEK

HOLE NO.: 79-1

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

	DEPTH INTERVAL		CORE								DEPTH INTERVAL		SLUDGE							
	FROM	TO	SAMPLE NO.	INCHES REC.	% REC.	ASSAY Mo	Zn	W	F		FROM	TO	SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
415																				
			80137																	
417.13																				
			80138																	
419																				
			80139																	
422																				
			80140																	
425																				
			80141																	
428																				
			80142																	

PAGE NO.: 29 OF

PROJECT: SALAL CREEK

HOLE NO.: 79-1

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY					DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
431																			
		80/43																	
434																			
		80/44																	
437																			
		80/45																	
440																			
		80/46																	
442.4																			
		80/47																	

E NO.: 30 OF

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N E.

INCLINATION: BEARING:

PROJEC SALAL CREEK

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

HOLE NO.: 79-1

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY:

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY Mo	ASSAY Zn	ASSAY W	ASSAY F		DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
446																			
		80148			3	8	1	145											
449																			
		80149																	
451.8																			
		80150																	
455																			
		80151																	
458																			
		80152																	

PAGE NO.: 31 OF

PROJECT: SALAL CREEK

HOLE NO.: 79-1

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY Mo	ASSAY Zn	ASSAY W	ASSAY F		DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
461																			
		80153																	
464																			
		80154																	
467.4																			
467.9		80155																	
		80156																	
470.8																			
		80157																	
473																			
		80158			5	6	1	155											

PAGE NO.: 32 OF

PROJECT: SALAL CREEK

HOLE NO.: 79-1

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC	% REC.	ASSAY Mo	ASSAY Zn	ASSAY W	ASSAY F		DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
475.6																			
		80159																	
479																			
		80160			5	12	1	265											
482																			
		80161																	
485																			
		80162			4	12	1	460											
488																			
		80163																	

E NO.: 33 OF

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N E.

INCLINATION: BEARING:

PROJEC IALAL CREEK

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

HOLE NO. 79-1

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY:

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY Mo	ASSAY Zn	ASSAY W	ASSAY F		DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
491																			
		80164			5	8	1	405											
494																			
		80165																	
497																			
		80166			4	6	5	480											
500																			
		80167																	
503																			
		80168			15	12	1	350											

PAGE NO.: 34 OF

PROJECT: SALAL CREEK

HOLE NO.: 79-1

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY Mo	ASSAY Zn	ASSAY W	ASSAY F		DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
506																			
		80169																	
509																			
		80170			6	10	4	285											
512																			
		80171																	
515																			
		80172			21	14	1	410											
518																			
		80173																	

PAGE NO.: 35 OF

PROJECT: SALAL CREEK

HOLE NO.: 79-1

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY Mo	ASSAY Zn	ASSAY W	ASSAY F		DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
521																			
		80174			13	10	1	355											
524																			
		80175																	
527																			
		80176			14	16	1	270											
530																			
		80177																	
533																			
		80178			21	10	4	280											

PAGE NO.: 36 OF

PROJECT: SALAL CREEK

HOLE NO.: 79-2

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY Mo	ASSAY Zn	ASSAY W	ASSAY F		DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY	ASSAY	ASSAY		
536																			
		80/79																	
539																			
		80/80			19	14	5	510											
542																			
		80/81																	
545																			
		80/82			4	10	2	245											
548																			
		80/83																	

JE NO.: 37 OF

PROJE SALAL CREEK

HOLE NO.: 79-1

CASING COLLAR ELEV.: GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE:

INCLINATION: BEARING:

TOTAL DEPTH:

LOGGED BY:

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC	% REC.	ASSAY Mo	ASSAY Zn	ASSAY W	ASSAY F		DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
551																			
		80184			84	8	3	345											
554																			
		80185																	
557																			
		80186			22	10	1	240											
560																			
		80187																	
563																			
		80188			3	14	1	220											

PAGE NO.: 38 OF		PROJECT: SALAL CREEK	HOLE NO.: 79-1
CASING COLLAR ELEV.:	GROUND ELEV.:	DATE STARTED:	REF. TO CLAIM CORNER:
COORDINATES:	N. E.	DATE FINISHED:	SCALE:
INCLINATION:	BEARING:	TOTAL DEPTH:	LOGGED BY:

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY Mo	ASSAY Zn	ASSAY W	ASSAY F		DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
566																			
		80189																	
569																			
		80190			14	8	1	270											
572																			
		80191																	
575																			
		80192			4	10	1	310											
578																			
		80193																	

PAGE NO.: 39 OF

PROJECT: SALAL CREEK

HOLE NO.: 79-1

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY Mo	ASSAY Zn	ASSAY W	ASSAY F		DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
581																			
		80194			19	12	2	310											
584																			
		80195																	
587																			
		80196			43	8	1	340											
590																			
		80197																	
593																			
		80198			26	8	3	290											

E NO.: 40 OF

PROJE SALAL CREEK

HOLE NO.: 79-1

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC	% REC.	ASSAY Mo	ASSAY Zn	ASSAY W	ASSAY F		DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
596																			
		80199																	
599																			
		80200			16	14	2	270											
602																			
		80201																	
605																			
		80202			2	144	5	205											
608																			
		80203																	

NO.: 41 OF

PROJEC ALAL CREEK

HOLE NO.: 79-1

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY Mo	ASSAY ZN	ASSAY W	ASSAY F		DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
611																			
		80 204			12	8	2	235											
614																			
		80205																	
617																			
		80206			95	8	20	375											
620																			
		80207																	
623																			
		80208			10	22	2	240											

E NO.: 42 OF

PROJEC SALAL CREEK

HOLE NO.: 79-1

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY Mo	ASSAY Zn	ASSAY W	ASSAY F		DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
626																			
		80209																	
629																			
		80210			11	8	1	315											
632																			
		80211																	
635																			
		80212			115	12	2	315											
638																			
		80213																	

E NO.: 43 OF

PROJEC SALAL CREEK

HOLE NO.: 79-1

CASING COLLAR ELEV.: GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE:

INCLINATION: BEARING:

TOTAL DEPTH:

LOGGED BY:

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY Mo	ASSAY Zn	ASSAY W	ASSAY F		DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO	LBS. REC.	% REC.	ASSAY	ASSAY	ASSAY		
641																			
		80214			11	22	2	245											
644																			
		80215																	
647																			
		80216			82	6	1	395											
650																			
		80217																	
653																			
		80218			120	16	1	370											

: NO.: 44 OF

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N. E.

INCLINATION: BEARING:

PROJEC: ALAL CREEK

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

HOLE NO.: 79-1

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY:

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY Mo	ASSAY Zn	ASSAY W	ASSAY F		DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
656																			
		80219																	
659																			
		80220			99	6	1	345											
660.2																			
		80221																	
662																			
		80222			62	10	1	230											
665																			
		80223																	
668																			
		80224			61	6	1	255											

HOLE NO.: 45 OF		PROJECT: ALAL CREEK	HOLE NO.: 79-1
CASING COLLAR ELEV.:	GROUND ELEV.:	DATE STARTED:	REF. TO CLAIM CORNER:
COORDINATES:	N. E	DATE FINISHED:	SCALE:
INCLINATION:	BEARING:	TOTAL DEPTH:	LOGGED BY:

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY Mo	ASSAY Zn	ASSAY W	ASSAY F		DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
671																			
		80225																	
674																			
		80226			48	6	1	245											
677																			
		80227																	
680																			
		80228			23	36	1	210											
683																			
		80229																	

E NO.: 46 OF

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N. E.

INCLINATION: BEARING:

PROJEC SALAL CREEK

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

HOLE NO.: 79-1

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY:

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC	% REC.	ASSAY Mo	ASSAY Zn	ASSAY W	ASSAY F		DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
686																			
		80230			>250	10	1	510											
689																			
		80231																	
692																			
		80232			75	6	1	375											
695																			
		80233			1	6	1	340											
698																			
		80234			53	6	2	250											

NO.: 47 OF

PROJEC TALAL CREEK

HOLE NO.: 79-1

CASING COLLAR ELEV.: GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE:

INCLINATION: BEARING:

TOTAL DEPTH:

LOGGED BY:

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY Mo	ASSAY Zn	ASSAY W	ASSAY F		DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
701																			
		80235																	
704																			
		80236			69	6	1	450											
707																			
		80237																	
710																			
		80238			67	4	1	410											
713																			
		80239																	

NO.: 48 OF

PROJEC SALAL CREEK

HOLE NO.: 79-1

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY Mo	ASSAY Zn	ASSAY W	ASSAY F		DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
716																			
		80240			25	6	1	430											
719																			
		80241																	
722																			
		80242			50	4	1	540											
725																			
		80243																	
728																			
		80244			26	8	3	490											

NO.: 49 OF

PROJECT: ALAL CREEK

HOLE NO.: 79-1

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY Mo	ASSAY Zn	ASSAY W	ASSAY F		DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
731																			
		80245																	
734																			
		80246			30	4	2	470											
737																			
		80247																	
740																			
		80248			21	4	1	390											
743																			
		80249																	

NO.: 50 OF

PROJEC: ALAL CREEK

HOLE NO.: 79-1

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY Mo	ASSAY Zn	ASSAY W	ASSAY F		DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
746																			
		80250			32	4	1	470											
749																			
		80251																	
752																			
		80252			10	4	1	380											
755																			
		80253																	
758																			
		80254			75	4	1	430											

NO.: 51 OF

PROJEC ALAL CREEK

HOLE NO.: 79-1

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY Mo	ASSAY Zn	ASSAY W	ASSAY F		DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY	ASSAY	ASSAY		
761																			
		80255																	
764																			
		80256			5	6	1	360											
767																			
		80257																	
770																			
		80258			2	4	1	370											
773																			
		80259																	

E NO.: 52 OF

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N. E.

INCLINATION: BEARING:

PROJECT: SALAL CREEK

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

HOLE NO.: 79-1

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY:

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY Mo	ASSAY Zn	ASSAY W	ASSAY F		DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
776																			
		80260			3		1	350											
779																			
		80261																	
782																			
		80262			3		1	350											
785																			
		80263																	
788																			
		80264			1		1	265											

E NO.: 53 OF

PROJE(TALAL CREEK

HOLE NO.: 79-1

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY Mo	ASSAY Zn	ASSAY W	ASSAY F		DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
791																			
		80265																	
794																			
		80266			4		2	255											
797																			
		80267																	
800																			
		80268			3		1	255											
803																			
		80269																	

E NO.: 54 OF

CASING COLLAR ELEV.: GROUND ELEV.:

COORDINATES: N. E.

INCLINATION: BEARING:

PROJEC 'ALAL CREEK

DATE STARTED:

DATE FINISHED:

TOTAL DEPTH:

HOLE NO.: 79-1

REF. TO CLAIM CORNER:

SCALE:

LOGGED BY:

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY Mo	ASSAY Zn	ASSAY W	ASSAY F		DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
806																			
		80270			1		4	320											
809																			
		80271																	
812																			
		20272			2		1	360											
815																			
		80273																	
818																			
		80274			12		8	420											

HOLE NO.: 55 OF		PROJEC SALAL CREEK	HOLE NO.: 79-2
CASING COLLAR ELEV.:	GROUND ELEV.:	DATE STARTED:	REF. TO CLAIM CORNER:
COORDINATES:	N. E.	DATE FINISHED:	SCALE:
INCLINATION:	BEARING:	TOTAL DEPTH:	LOGGED BY:

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY Mo	ASSAY Zn	ASSAY W	ASSAY F		DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
821																			
		80275																	
824																			
		80276			1		1	340											
827																			
		80277																	
830																			
		80278			17		3	490											
833																			
		80279																	

: NO.: 56 OF

PROJEC TALAL CREEK

HOLE NO.: 79-1

CASING COLLAR ELEV.: GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE:

INCLINATION: BEARING

TOTAL DEPTH:

LOGGED BY:

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY Mo	ASSAY ZN	ASSAY W	ASSAY F		DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
836																			
		80280			3		1	235											
839																			
		80281																	
842																			
		80282			3		1	340											
845																			
		80283																	
848																			
		80284			12		6	3500											

: NO.: 57 OF		PROJEC 'ALAL CREEK	HOLE NO.: 79-1
CASING COLLAR ELEV.:	GROUND ELEV.:	DATE STARTED:	REF. TO CLAIM CORNER:
COORDINATES:	N. E.	DATE FINISHED:	SCALE:
INCLINATION:	BEARING:	TOTAL DEPTH:	LOGGED BY:

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC	% REC.	ASSAY Mo	ASSAY Zn	ASSAY W	ASSAY F		DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
851																			
		80285																	
854																			
		80286			3	6	2	2350											
857																			
		80287																	
860																			
		80288			3	8	1	420											
863																			
		80289																	

: NO.: 58 OF

PROJEC SALAL CREEK

HOLE NO.: 79-1

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY Mo	ASSAY Zn	ASSAY W	ASSAY F		DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
866																			
		80290			2	6	1	430											
869																			
		80291																	
872																			
		80292			3	8	1	295											
875																			
		80293																	
878																			
		80294			1	10	1	215											

E NO.: 59 OF

PROJE(TALAL CREEK

HOLE NO.: 79-1

CASING COLLAR ELEV.: GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE:

INCLINATION: BEARING:

TOTAL DEPTH:

LOGGED BY:

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY Mo	ASSAY ZN	ASSAY W	ASSAY F		DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
881																			
		80295																	
884																			
		80296			1		7												
887																			
		80297																	
890																			
		80298			2		4												
893																			
		80299																	

: NO.: 60 OF

PROJE(SALAL CREEK

HOLE NO.: 79-1

CASING COLLAR ELEV.: GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE:

INCLINATION: BEARING:

TOTAL DEPTH:

LOGGED BY:

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC	% REC.	ASSAY Mo	ASSAY Zn	ASSAY W	ASSAY F		DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO	LBS. REC.	% REC.	ASSAY				
896																			
		80300			2		4												
899																			
		80301																	
902																			
		80302			1		2												
905																			
		80303																	
908																			
		80304			1		2												

E NO.: 61 OF

PROJE(SALAL CREEK

HOLE NO.: 79-1

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

DEPTH INTERVAL FROM	DEPTH INTERVAL TO	CORE SAMPLE NO.	INCHES REC.	% REC.	ASSAY Mo	ASSAY Zn	ASSAY W	ASSAY F		DEPTH INTERVAL FROM	DEPTH INTERVAL TO	SLUDGE SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
911																			
		80305																	
914																			
		80306			1		5												
		80309																	
920																			
		80307																	
923																			
		80308			1		2												

E NO.: 62 OF

PROJE: SALAL CREEK

HOLE NO.: 79-1

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

	DEPTH INTERVAL		CORE								DEPTH INTERVAL		SLUDGE							
	FROM	TO	SAMPLE NO.	INCHES REC.	% REC.	ASSAY Mo	Zn	W	F		FROM	TO	SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
926																				
			80310			1		1												
929																				
			80311																	
932																				
			80312			1		1												
935																				
			80313																	
938																				
			80314			1		1												

E NO.: 63 OF

PROJE SALAL CREEK

HOLE NO.: 79-1

CASING COLLAR ELEV.:

GROUND ELEV.:

DATE STARTED:

REF. TO CLAIM CORNER:

COORDINATES: N. E.

DATE FINISHED:

SCALE:

INCLINATION:

BEARING:

TOTAL DEPTH:

LOGGED BY:

DEPTH INTERVAL		CORE								DEPTH INTERVAL		SLUDGE							
FROM	TO	SAMPLE NO.	INCHES REC	% REC.	ASSAY Mo	ZN	W	F		FROM	TO	SAMPLE NO.	LBS. REC.	% REC.	ASSAY				
941		80315																	
941.6																			

APPENDIX II

MAJOR BILLS

G.H. RAYNER and ASSOCIATES LTD.
626 DUCHESS AVENUE
WEST VANCOUVER, B.C. V7T 1G7
TELEPHONE (604) 926-5690

RECEIVED
JUL 24 '79
UTAH MINES LTD.
EXPLORATION DEPT

To: Utah Mines Ltd
1600 - 1050 W. Pender St.
Vancouver B.C.

7/24/79

July 1/79

June 1, 1979			
Office discussion re Salal Creek			
½ day @ $200 per day	100	00	
Total $	100	00	

ok/AJS.

UTAH MINES LTD. EXPLORATION DEPT.

DISTRIBUTION

Location	Major	Minor	Act.	Exp.	Amount
00	A315	106 0	0	0	100·00
00		0	0	0	
00		0	0	0	
00		0	0	0	
00		0	0	0	

Date Received	Invoice Amount	100·00
Ext. & Prices	Discount	
Approved by	Amount Payable	
	Check No.	

INVOICE

G.H. RAYNER and ASSOCIATES LTD.
626 DUCHESS AVENUE
WEST VANCOUVER, B.C. V7T 1G7
TELEPHONE (604) 926-5690

8/8/79

To: Utah Mines Ltd
1600 - 1050 W. Pender St.
Vancouver BC
V6E 3S7
Aug 1, 1979

Geological Consulting Services			
Hoodoo Creek Mapping Project			
July 3-27/79 - 25 days @ 200.00 per day	5000	00	✓
Salal Creek Drilling			
July 30-31/79 - 2 days @ 200.00 per day	400	00	- Salal
Expenses as per attached acct.	186	59	
Total	5586	59	

RECEIVED
AUG 7 1979
UTAH MINES LTD.
EXPLORATION DEPT.

INVOICE

OK /A28

G.H. RAYNER and ASSOCIATES LTD.
626 DUCHESS AVENUE
WEST VANCOUVER, B.C. V7T 1G7
TELEPHONE (604) 926-5690

RECEIVED
SEP 13 1979
UTAH MINES LTD.
EXPLORATION DEPT.

9/13/79

To: Utah Mines Ltd
1600 - 1050 W Pender St.
Vancouver BC

Sept 4/79

Geological consulting services Salal Creek Joint Venture.			
Aug 1-26/79 ; 26 days @ $200 per day	5200	00	
Rental - Binoc. Microscope - 1 month @ $50.00/mo.	50	00	
Expenses as per attached acct.	96	60	
Total	5346	60	

UTAH MINES LTD. - EXPLORATION DEPT.
DISTRIBUTION
Charge - Salal Creek

Location	Major	Minor	Act.	Exp.	Amount
00	A315	106 0	0	0	5346.60
00		0	0	0	
00		0	0	0	
00		0	0	0	
00		0	0	0	

Date Received	Invoice Amount	5346.60
Ext. & Prices	Discount	
Approved by	Amount Payable	
	Check No.	

INVOICE

OK AJS.
Salal

BEMA INDUSTRIES LTD.

7/24/79

~~7791-88 AVENUE, RR#1, LANGLEY, B.C. V3A 5V3 TEL 888-9301~~

5780-203rd St; LANGLEY, B.C. V3A 1W3

INVOICE A 066

DATE July 18, 1979

FILE NO.

PROJECT 79-03

Mr. John Dayton
Utah Mines Ltd.
Sta.#1600-1050 W. Pender St;
Vancouver, B.C.
V6E 3S7

Re: Shalal Creek Camp Construction
July 1 - 15, 1979

LABOUR:			
Mr. Malcolm Bell, Supervisor	138 hrs. @ $17.50		$2,415.00
Mr. Gerry Bertrand, Carpenter	138 hrs. @ $13.25		1,828.50
Mr. Jim Bertrand, Helper	138 hrs. @ $13.25		1,828.50
Mr. Dave Price, Helper	88 hrs. @ $13.28		1,166.00
Total Labour			$7,238.00
DISBURSEMENTS:			
Mr. Malcolm Bell Expense Account		$ 73.27	
Mr. Gerry Bertrand Car Mileage 205 miles @ $0.28		57.40	
Sub total		$130.67	
overhead charg@315%		19.60	
Total Disbursements		$150.27	150.27
Total			$7,388.27

This is our account, $7,388.27
BEMA INDUSTRIES LTD.

Per:

INVOICE

6/21/79

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: [redacted] 984-0221
AREA CODE: 604
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

RECEIVED
JUN 20 '79
UTAH MINES LTD.
EXPLORATION DEPT.

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender St.,
Vancouver, B.C.
V6E 3S7
ATTN: J. R. Deighton

CERTIFICATE NO. 47541
INVOICE NO. 30564
DATE June 19/79

	DESCRIPTION	SUB-TOTAL	TOTAL
1	Analyzed for Mo, Zn, F & W	$8.40	
1	Prepared @ $1.75 (rock)	1.75	
		10.15	
	Less 20%	2.03	
			$8.12

TERMS—NET 30 DAYS

78-040

1½% Per Month (18% Per Annum) Charged on Overdue Accounts

INVOICE

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 985-0648
AREA CODE: 604
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

RECEIVED
JAN 22 1979
UTAH MINES LTD.
EXPLORATION DEPT.

1/24/79

TO: Utah Mines Ltd.,
1600 - 1050 W.Pender St.,
Vancouver, B.C.

ATTN: J. R. Deighton

CERTIFICATE NO. 46639 to 46641

INVOICE NO. 29381

DATE July 17/79

	DESCRIPTION	SUB-TOTAL	TOTAL
82	Analyzed for Mo, Zn, W & F @ $7.95	$651.90	
82	Prepared (rocks) @ $1.25	102.50	
		754.40	
	Less 20%	150.88	
			$603.52

TERMS—NET 30 DAYS

1½% Per Month (18% Per Annum) Charged on O ue Accounts

78-040

8/27/79

INVOICE

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: [redacted] 984-0221
AREA CODE: 604
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

RECEIVED
AUG 2 3 1979
UTAH MINES LTD.
EXPLORATION DEPT.

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender St.,
Vancouver, B.C.
V6E 3S7
ATTN:

CERTIFICATE NO. 49661-62
INVOICE NO. 31995
DATE Aug. 20/79

SALAL PROJECT

	DESCRIPTION	SUB-TOTAL	TOTAL
59	Analyzed for Mo, Zn, W & F @ $8.40	$495.60	
59	Prepared @ $1.75 (rocks)	103.25	
700 lbs	Overweight charge @ $0.20/lb	140.00	
		738.85	
	Less 20%	147.77	
			$591.08

TERMS—NET 30 DAYS

1½% Per Month (18% Per Annum) Charged on Overd Accounts

78-040

8/29/79

INVOICE

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: [redacted] 984-0221
AREA CODE: 604
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

RECEIVED
AUG 28 1979
UTAH MINES LTD.
EXPLORATION DEPT.

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender St.,
Vancouver, B.C.
V6E 3S7
ATTN:

CERTIFICATE NO. 49960
INVOICE NO. 32117
DATE Aug. 24/79

	DESCRIPTION	SUB-TOTAL	TOTAL
10	Analyzed for Mo & W @ $4.25	$42.50	
10	Prepared @ $1.75 (rocks)	17.50	
50 lbs	Overweight charge @ $0.20/lb	10.00	
		70.00	
	Less 20%	14.00	
			$56.00

TERMS—NET 30 DAYS

78-040

1½% Per Month (18% Per Annum) Charged on Overdue Accounts

8/29/79

INVOICE

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: [redacted] 984-0221
AREA CODE: 604
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

RECEIVED
AUG 28 1979
UTAH MINES LTD.
EXPLORATION DEPT.

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender St.,
Vancouver, B.C.

ATTN: Andy Schmidt

CERTIFICATE NO. 49844 & 49845

INVOICE NO. 32136

DATE Aug. 27/79

	DESCRIPTION	SUB-TOTAL	TOTAL
42	Analyzed for Mo, Zn, W & F @ $8.40	$352.80	
42	Prepared @ $1.75 (rocks)	73.50	
450 lbs	Overweight @ $0.20/lb	90.00	
		516.30	
	Less 20%	103.26	
			$413.04

TERMS—NET 30 DAYS

1½% Per Month (18% Per Annum) Charged on Overdue Accounts

78-040

Rec'd. Sept. 13/79

INVOICE

9/13/79

CHEMEX LABS LTD.

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: [redacted] 984-0221
AREA CODE: 604
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

TO: Utah Mines Ltd.,
1600 - 1050 W. Pender St.,
Vancouver, B.C.
V6E 3S7

ATTN:

CERTIFICATE NO. 50058

INVOICE NO. 32533

DATE Sept. 13/79

	DESCRIPTION	SUB-TOTAL	TOTAL
21	Analyzed for Mo, Zn, W & F @ $8.40	$176.40	
21	Prepared @ $1.75 (rocks)	36.75	
100lbs	Overweight charge @ $0.20/lb	20.00	
		233.15	
	Less 20%	46.63	
			$186.52

TERMS—NET 30 DAYS

1½% Per Month (18% Per Annum) Charged on ' lue Accounts

78-040

'79

INVOICE

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: [redacted] 984-0221
AREA CODE: 604
TELEX: 043-52597

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE NO. 50194

INVOICE NO. 32565

DATE Sept. 13/79

Utah Mines Ltd.,
1600 - 1050 W. Pender St.,
Vancouver, B.C.
V6E 3S7

Rec'd. Sept. 13/79

ATTN:

	DESCRIPTION	SUB-TOTAL	TOTAL
13	Analyzed for Mo, W & F @ $7.75	$100.75	
13	Prepared @ $1.75 (rocks)	22.75	
		123.50	
	Less 20%	24.70	
			$98.80

78-040

TERMS—NET 30 DAYS

1½% Per Month (18% Per Annum) Charged on Overdue Accounts

9/13/79

D.W. COATES ENTERPRISES LTD.

2560 A Simpson Road,
Richmond, B.C. V6X 2P9

INVOICE NO.: 1552
JOB NO.: 363
DATE: Sept 7/79

Utah Mines Limited
1600 - 1050 West Pender St.
Vancouver, B. C.
V6E 3S7

RECEIVED
SEP 10 1979
UTAH MINES LTD.
EXPLORATION DEPT.

RE: Salal Creek, B. C. Drilling

PERIOD: August 16 - 26, 1979

Drilling Detail	$13,621.30
Demobilization	3,732.20
Drilling with Mud	1,113.84
Testing	49.00
Reaming Casing	839.70
Standby Time	2,258.00
Materials Left in Holes	2,744.20
Board	686.00
Other Charges	447.25
	$25,491.49

OK/ADS.
Salal.

UTAH MINES LTD. -- EXPLORATION DEPT.

DISTRIBUTION

Location	Major	Minor	Act.	Exp.	Amount
00	A315	040 0	0	0	13,621.30
00	A315	041 0	0	0	11,870.19
00		0	0	0	
00		0	0	0	
00		0	0	0	

Date Received		Invoice Amount	25,491.49
Ext. & Prices		Discount	
Approved by		Amount Payable	
		Check No.	

9/79

D.W. COATES ENTERPRISES LTD.

2560 A Simpson Road,
Richmond, B.C. V6X 2P9

INVOICE NO.: 1538
JOB NO.: 363
DATE: Aug 22/79

Utah Mines Ltd.
1600 - 1050 West Pender Street
Vancouver, B. C.
V6E 3S7

RECEIVED
AUG 23 1979
UTAH MINES LTD.
EXPLORATION DEPT.

RE: Salal Creek, B. C. Drilling

PERIOD: August 1 - 15, 1979

Drilling Detail	$23,157.80
Mobilization	1,720.40
Reaming Casing & Hole Stabilizing	3,733.19
Drilling with Mud	537.60
Testing	49.00
Board	973.00
Other Charges	1,075.43
	$31,246.42

OK/AZS.
Salal

UTAH MINES LTD. -- EXPLORATION DEPT.					
DISTRIBUTION					
Location	Major	Minor	Act.	Exp.	Amount
00	A315	040 0	0	0	23,157.80
00	A315	041 0	0	0	8088.62
00		0	0	0	
00		0	0	0	
00		0	0	0	

Date Received	Invoice Amount	31,246.42
Ext. & Prices	Discount	
Approved by	Amount Payable	
	Check No.	

8/21/79

D.W. COATES ENTERPRISES LTD.

2560 A Simpson Road,
Richmond, B.C. V6X 2P9

INVOICE NO.: 1533
JOB NO.: 363
DATE: Aug 16/79

DECEIVED
AUG 16 1979
UTAH MINES LTD.
EXPLORATION DEPT.

Utah Mines Ltd.
1600 - 1050 West Pender St.
Vancouver, B. C.
V6E 3S7

RE: Salal Creek, B. C. Drilling

PERIOD: July 13 - 31, 1979

Drilling Detail	$26,078.30
Water Supply	224.40
Mobilization	6,958.86
Reaming Casing & Hole Stabilizing	559.20
Drilling with Mud	2,777.07
Testing	147.00
Board	805.00
	$37,549.83

Salal. CK.

CK/AR

UTAH MINES LTD. -- EXPLORATION DEPT.					
DISTRIBUTION					
Location	Major	Minor	Act.	Exp.	Amount
00	A315	040 0	0	0	26,078.30
00	A315	041 0	0	0	11,471.53
00		0	0	0	
00		0	0	0	
00		0	0	0	
Date Received		Invoice Amount			37,549.83
Ext. & Prices		Discount			
Approved by		Amount Payable			
		Check No.			

OKANAGAN HELICOPTERS LTD.
4391 AGAR DRIVE, RICHMOND, B.C. V7B 1A5
TELEPHONE (604) 278-5502 TELEX 04-355594

10/16/79

TO

UTAH MINES LTD
1600-1050 W. PENDER STREET
VANCOUVER, B.C.
V6E 3S7

INVOICE NUMBER
H10227

INVOICE DATE
11/10/79
DAY MONTH YEAR

OUR REFERENCE NO.
1-085027-0000-00

CUSTOMER P.O. NO.

PAGE
1

FLIGHT DATE	FLT RPT NO	TYPE OF A/C	A/C REG	HOURS
20-08-79	359230	BELL 206	FHTF	1.2
26-08-79	359220	BELL 206	FHTF	6.5
			TOTAL HOURS	7.7

TARIFF CHARGES

BELL 206 - 7.7 HRS @ $350.00/HR TARIFF RATE 2,695.00
** TOTAL 7.7 HRS **

GAS & OIL CHARGES

OIL 7.7 HRS @ $1.00/HR $7.70
FUEL 63.0 GALS @ $1.08/GAL $68.04
** TOTAL GAS & OIL ** 75.74

INVOICE TOTAL: 2,770.74 **

TERMS OF PAYMENT ARE NET 30 DAYS FROM DATE OF INVOICE, INTEREST AT 1.5% PER MONTH (BEING 18% PER ANNUM) WILL BE CHARGED ON OVERDUE INVOICES

INVOICE COPY

AIRP

OKANAGAN HELICOPTERS LTD.

4391 AGAR DRIVE, RICHMOND, B.C. V7B 1A5
TELEPHONE (604) 278-5502 TELEX 04-355594

10/2/79

TO
UTAH MINES LTD
1600-1050 W. PENDER STREET
VANCOUVER, B.C.
V6E 3S7

INVOICE NUMBER
H09954

INVOICE DATE
27/09/79
DAY MONTH YEAR

OUR REFERENCE NO.
1-085027-0000-00

CUSTOMER P.O. NO.

PAGE
1

FLIGHT DATE	FLT RPT NO	TYPE OF A/C	A/C REG	HOURS
26-08-79	356285	S61L	GJDK	6.2
			TOTAL HOURS	6.2

TARIFF CHARGES

S61L - 6.2 HRS @ $1850.00/HR TARIFF RATE 11,470.00
** TOTAL 6.2 HRS **

GAS & OIL CHARGES

OIL 6.2 HRS @ $2.50/HR $15.50
FUEL 300.0 GALS @ $1.00/GAL $300.00
** TOTAL GAS & OIL ** 315.50

INVOICE TOTAL: 11,785.50 **

TERMS OF PAYMENT ARE NET 30 DAYS FROM DATE OF INVOICE, INTEREST AT 1.5% PER MONTH (BEING 18% PER ANNUM) WILL BE CHARGED ON OVERDUE INVOICES

INVOICE COPY

(AIRP

OKANAGAN HELICOPTERS LTD.

4391 AGAR DRIVE, RICHMOND, B.C. V7B 1A5
TELEPHONE (604) 278-5502 TELEX 04-355594

TO

UTAH MINES LTD
1600-1050 W. PENDER STREET
VANCOUVER, B.C.
V6E 3S7

10/2/79

INVOICE NUMBER
H09881

INVOICE DATE
21/09/79
DAY MONTH YEAR

OUR REFERENCE NO.
1-085027-0000-00

CUSTOMER P.O. NO.

PAGE
1

FLIGHT DATE	FLT RPT NO	TYPE OF A/C	A/C REG	HOURS
27-07-79	357929	BELL 206	FHTF	1.1
15-08-79	849568	BELL 206	FHTF	1.9
			TOTAL HOURS	3.0

TARIFF CHARGES

BELL 206 - 3.0 HRS @ $350.00/HR TARIFF RATE 1,050.00
** TOTAL 3.0 HRS **

GAS & OIL CHARGES

OIL	3.0 HRS @	$1.00/HR	$3.00
FUEL	69.0 GALS @	$1.08/GAL	$74.52

** TOTAL GAS & OIL ** 77.52

INVOICE TOTAL: 1,127.52 **

TERMS OF PAYMENT ARE NET 30 DAYS FROM DATE OF INVOICE, INTEREST AT 1.5% PER MONTH (BEING 18% PER ANNUM) WILL BE CHARGED ON OVERDUE INVOICES

INVOICE COPY

OKANAGAN HELICOPTERS LTD.
4391 AGAR DRIVE, RICHMOND, B.C. V7B 1A5
TELEPHONE (604) 278-5502 TELEX 04-355594

9/13/79

TO
UTAH MINES LTD
1600-1050 W. PENDER STREET
VANCOUVER, B.C.
V6E 3S7

INVOICE NUMBER
H09611

INVOICE DATE
11/09/79
DAY MONTH YEAR

OUR REFERENCE NO.
1-085027-0000-00

CUSTOMER P.O. NO.

PAGE
1

FLIGHT DATE	FLT RPT NO	TYPE OF A/C	A/C REG	HOURS
31-07-79	849516	BELL 206	FHTF	1.6
02-08-79	849517	BELL 206	FHTF	1.6
09-08-79	849552	BELL 206	FHTF	9.4
16-08-79	849571	BELL 206	FHTF	1.4
			TOTAL HOURS	14.0

TARIFF CHARGES

BELL 206 - 14.0 HRS @ $350.00/HR TARIFF RATE 4,900.00
** TOTAL 14.0 HRS **

GAS & OIL CHARGES

OIL 14.0 HRS @ $1.00/HR $14.00
FUEL 145.8 GALS @ $1.08/GAL $157.46
** TOTAL GAS & OIL ** 171.46

INVOICE TOTAL: 5,071.46 **

TERMS OF PAYMENT ARE NET 30 DAYS FROM DATE OF INVOICE, INTEREST AT 1.5% PER MONTH (BEING 18% PER ANNUM) WILL BE CHARGED ON OVERDUE INVOICES

INVOICE COPY

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8/29/79

OKANAGAN HELICOPTERS LTD.

4391 AGAR DRIVE, RICHMOND, B.C. V7B 1A5
TELEPHONE (604) 278-5502 TELEX 04-355594

TO

UTAH MINES LTD
1600-1050 W. PENDER STREET
VANCOUVER, B.C.
V6E 3S7

INVOICE NUMBER
H09393

INVOICE DATE
27/08/79
DAY MONTH YEAR

OUR REFERENCE NO.	CUSTOMER P.O. NO.	PAGE
1-085027-0000-00		1

FLIGHT DATE	FLT RPT NO	TYPE OF A/C	A/C REG	HOURS
14-07-79	849310	BELL 206	FNTF	1.8
			TOTAL HOURS	3.8
				======

TARIFF CHARGES

BELL 206 - 3.8 HRS @ $350.00/HR TARIFF RATE 1,330.00
** TOTAL 3.8 HRS **
======

GAS & OIL CHARGES

OIL	3.8 HRS @	$1.00/HR	$3.80
FUEL	60.0 GALS @	$1.08/GAL	$64.80

** TOTAL GAS & OIL **

INVOICE TOTAL: 1,398.[illegible]

TERMS OF PAYMENT ARE NET 30 DAYS FROM DATE OF INVOICE. INTEREST AT 1.5% PER [illegible] (BEING 18% PER ANNUM) WILL BE CHARGED ON OVERDUE INVOICES.

INVOICE COPY

(D. AIRF

8/21/79

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OKANAGAN HELICOPTERS LTD.

4391 AGAR DRIVE, RICHMOND, B.C. V7B 1A5
TELEPHONE (604) 278-5502 TELEX 04-355594

TO UTAH MINES LTD
1600-1050 W. PENDER STREET
VANCOUVER, B.C.
V6E 3S7

INVOICE NUMBER
H09246

INVOICE DATE
20/08/79
DAY MONTH YEAR

OUR REFERENCE NO.
1-085027-0000-00

CUSTOMER P.O. NO.

PAGE
1

FLIGHT DATE	FLT RPT NO	TYPE OF A/C	A/C REG	HOURS
18-07-79	849321	BELL 206	FHTF	1.4
30-07-79	849505	BELL 206	GOKJ	1.8
07-08-79	356625	BELL 206	FPZK	0.4
07-08-79	840748	BELL 206	FOAR	0.6
			TOTAL HOURS	4.2

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TARIFF CHARGES

BELL 206 - 4.2 HRS @ $350.00/HR TARIFF RATE 1,470.00
** TOTAL 4.2 HRS **

GAS & OIL CHARGES

OIL	4.2 HRS	@ $1.00/HR	$4.20
FUEL	73.6 GALS	@ $1.08/GAL	$79.49
FUEL	23.2 GALS	@ $1.15/GAL	$26.68
** TOTAL GAS & OIL **			110.37

12.02.69

INVOICE TOTAL: 1,580.37 **

TERMS OF PAYMENT ARE NET 30 DAYS FROM DATE OF INVOICE, INTEREST AT 1.5% PER MONTH (BEING 18% PER ANNUM) WILL BE CHARGED ON OVERDUE INVOICES

INVOICE COPY

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OKANAGAN HELICOPTERS LTD.

4391 AGAR DRIVE, RICHMOND, B.C. V7B 1A5
TELEPHONE (604) 278-5502 TELEX 04-355594

8/14/79

TO

UTAH MINES LTD
1600-1050 W. PENDER STREET
VANCOUVER, B.C.
V6E 3S7

INVOICE NUMBER
H08956

INVOICE DATE
07/08/79
DAY MONTH YEAR

OUR REFERENCE NO.
1-085027-0000-00

CUSTOMER P.O. NO.

PAGE
1

FLIGHT DATE	FLT RPT NO	TYPE OF A/C	A/C REG	HOURS
02-07-79	322860	BELL 206	FHTF	7.7
03-07-79	322861	BELL 206	FHTF	6.4
09-07-79	849308	BELL 206	FHTF	4.7
13-07-79	849309	BELL 206	FHTF	1.3
15-07-79	849336	BELL 206	FHTF	2.5
19-07-79	849339	BELL 206	FHTF	3.8
20-07-79	849340	BELL 206	FHTF	1.5
21-07-79	849341	BELL 206	FHTF	4.6
24-07-79	849345	BELL 206	FHTF	3.6
			TOTAL HOURS	36.1

TARIFF CHARGES

BELL 206 - 36.1 HRS @ $350.00/HR TARIFF RATE 12,635.00
** TOTAL 36.1 HRS **

GAS & OIL CHARGES

OIL 36.1 HRS @ $1.00/HR $36.10
FUEL 411.4 GALS @ $1.08/GAL $444.31
** TOTAL GAS & OIL ** 480.41

INVOICE TOTAL: 13,115.41 **

TERMS OF PAYMENT ARE NET 30 DAYS FROM DATE OF INVOICE, INTEREST AT 1.5% PER MONTH (BEING 18% PER ANNUM) WILL BE CHARGED ON OVERDUE INVOICES

INVOICE COPY

355

OKANAGAN HELICOPTERS LTD.

4391 AGAR DRIVE, RICHMOND, B.C. V7B 1A5
TELEPHONE (604) 278-5502 TELEX 04-355594

TO

UTAH MINES LTD
1600-1050 W. PENDER STREET
VANCOUVER, B.C.
V6E 3S7

7/27/79

INVOICE NUMBER
H08756

INVOICE DATE
26/07/79
DAY MONTH YEAR

PAGE
1

OUR REFERENCE NO.
1-085027-0000-00

CUSTOMER P.O. NO.

FLIGHT DATE	FLT RPT NO	TYPE OF A/C	A/C REG	HOURS
18-07-79	849904	BELL 214	GJNU	5.5
			TOTAL HOURS	5.5

TARIFF CHARGES

BELL 214 - 5.5 HRS @ $1500.00/HR TARIFF RATE 8,250.00
** TOTAL 5.5 HRS **

GAS & OIL CHARGES

OIL 5.5 HRS @ $2.50/HR $13.75
FUEL 150.0 GALS @ $1.00/GAL $150.00
** TOTAL GAS & OIL ** 163.75

INVOICE TOTAL: 8,413.75 **

TERMS OF PAYMENT ARE NET 30 DAYS FROM DATE OF INVOICE, INTEREST AT 1.5% PER MONTH (BEING 18% PER ANNUM) WILL BE CHARGED ON OVERDUE INVOICES

INVOICE COPY

OKANAGAN HELICOPTERS LTD.
4391 AGAR DRIVE, RICHMOND, B.C. V7B 1A5
TELEPHONE (604) 278-5502 TELEX 04-355594

UTAH MINES LTD
1600-1050 W. PENDER STREET
VANCOUVER, B.C.
V6E 3S7

INVOICE NUMBER
H08446

INVOICE DATE
11/07/79
DAY MONTH YEAR

OUR REFERENCE NO.
1-085027-0000-00

CUSTOMER P.O. NO.

PAGE
1

FLIGHT DATE	FLT RPT NO	TYPE OF A/C	A/C REG	HOURS
02-07-79	848735	BELL 206	FBQI	7.4
			TOTAL HOURS	7.4

TARIFF CHARGES

BELL 206 - 7.4 HRS @ $350.00/HR TARIFF RATE 2,590.00
** TOTAL 7.4 HRS **

GAS & OIL CHARGES

OIL	7.4 HRS @	$1.00/HR	$7.40
FUEL	50.0 GALS @	$1.00/GAL	$50.00
	** TOTAL GAS & OIL **		57.40

INVOICE TOTAL: 2,647.40 **

TERMS OF PAYMENT ARE NET 30 DAYS FROM DATE OF INVOICE, INTEREST AT 1.5% PER MONTH (EQUAL 18% PER ANNUM) WILL BE CHARGED ON OVERDUE INVOICES

INVOICE COPY

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OKANAGAN HELICOPTERS LTD.

4391 AGAR DRIVE, RICHMOND, B.C. V7B 1A5
TELEPHONE (604) 278-5502 TELEX 04-355594

6/21/79

TO

UTAH MINES LTD
1600-1050 W. PENDER STREET
VANCOUVER, B.C.
V6E 3S7

INVOICE NUMBER
H08047

INVOICE DATE
19/06/79
DAY MONTH YEAR

PAGE
1

OUR REFERENCE NO.
1-085027-0000-00

CUSTOMER P.O. NO.

FLIGHT DATE	FLT RPT NO	TYPE OF A/C	A/C REG	HOURS
08-06-79	842467	BELL 206	FHTF	1.6
			TOTAL HOURS	1.6

TARIFF CHARGES

BELL 206 - 1.6 HRS @ $350.00/HR TARIFF RATE 560.00
** TOTAL 1.6 HRS **

GAS & OIL CHARGES

OIL 1.6 HRS @ $1.00/HR $1.60
FUEL 37.0 GALS @ $1.00/GAL $37.00
** TOTAL GAS & OIL ** 38.60

INVOICE TOTAL: 598.60 **

TERMS OF PAYMENT ARE NET 30 DAYS FROM DATE OF INVOICE, INTEREST AT 1.5% PER MONTH (BEING 18% PER ANNUM) WILL BE CHARGED ON OVERDUE INVOICES

INVOICE COPY