

WORK REPORT FOR TETS GROUP MINERAL CLAIMS -40 UNITS

OWNED BY J. SHELFORD

OOTSA LAKE AREA

HOUSTON .B.C.

OMINECA MINING DIVISION

126 57 E53 51 N- CLAIM MAP M 93E 15 W

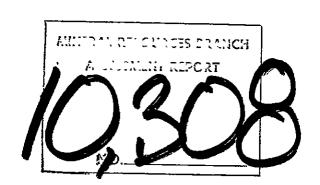
OPERATOR : JOHN SHELFORD

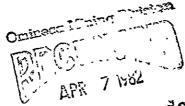
consultant: KEN NORTHCOTE . P. ENG.

JOHN SHELFORD (PROSPECTOR)

BOX 166. BURNS LAKE. B.C.

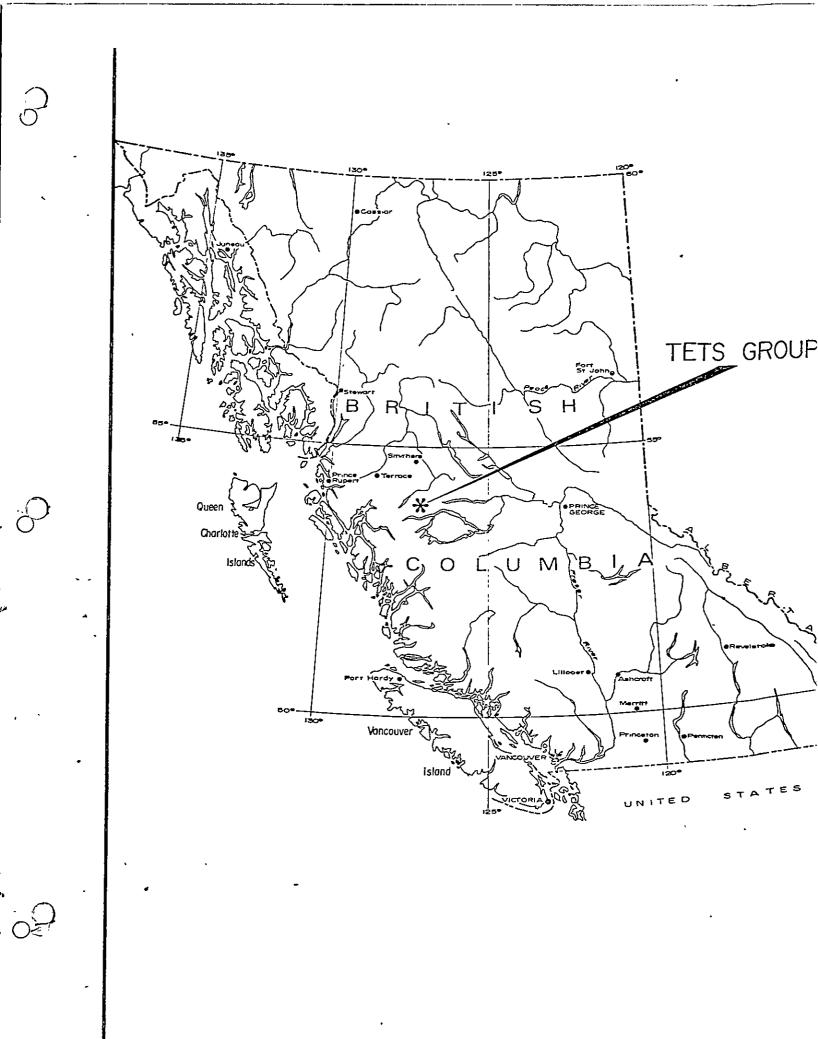
DATE: DEC.20 1981





Sub-Mining Recorder BURNS LAKE, B.C.





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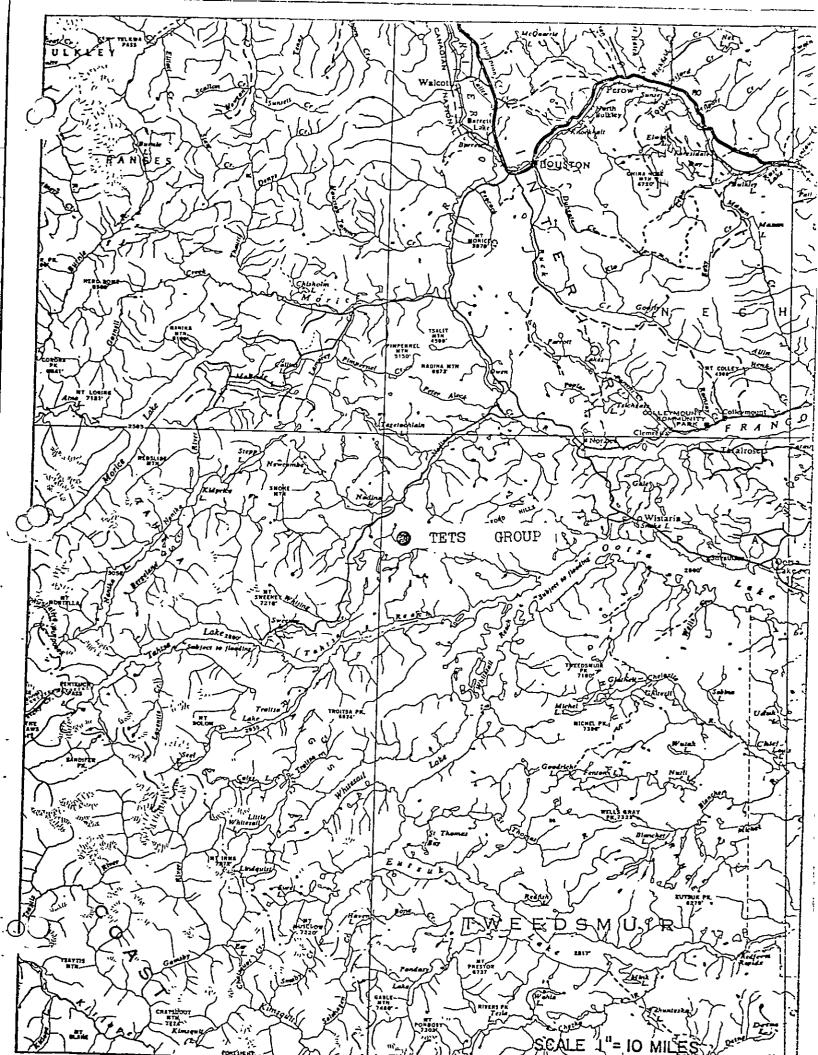




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INTRODUCTION

The writer was born in the area in 1916, has prospected actively since 1950, and has been engaged in devolopment work since 1959, during wich time two drill programs were observed as to methods and results. In 1980 the writer directed a small drill program which produced useful information.

HISTORY

The Tets claims were first staked in July 1969 by J. Snelford; Tets /- I4 were added in April 1970; Tets I5- I6 were staked to replace Tets I-2(lapsed by mistake); Tets I7-30 were staked in Sept. I971; Tets 3I-42 were staked in May 1972; Tets 43-54 were staked in May 1972; nine fractions Tets 55-67 were added in Aug. 1973.

The property was optioned to Sibola Copper Fines (later Sibola Mines) in 1970. On June 22,1973 Grangus Exploration Astieblag optioned the property and carried out work during1973-74, at which time the option was abandoned.

By Sept. 1977 all claims were abandoned except Tets 3-12, Tets 15,24 and 26.

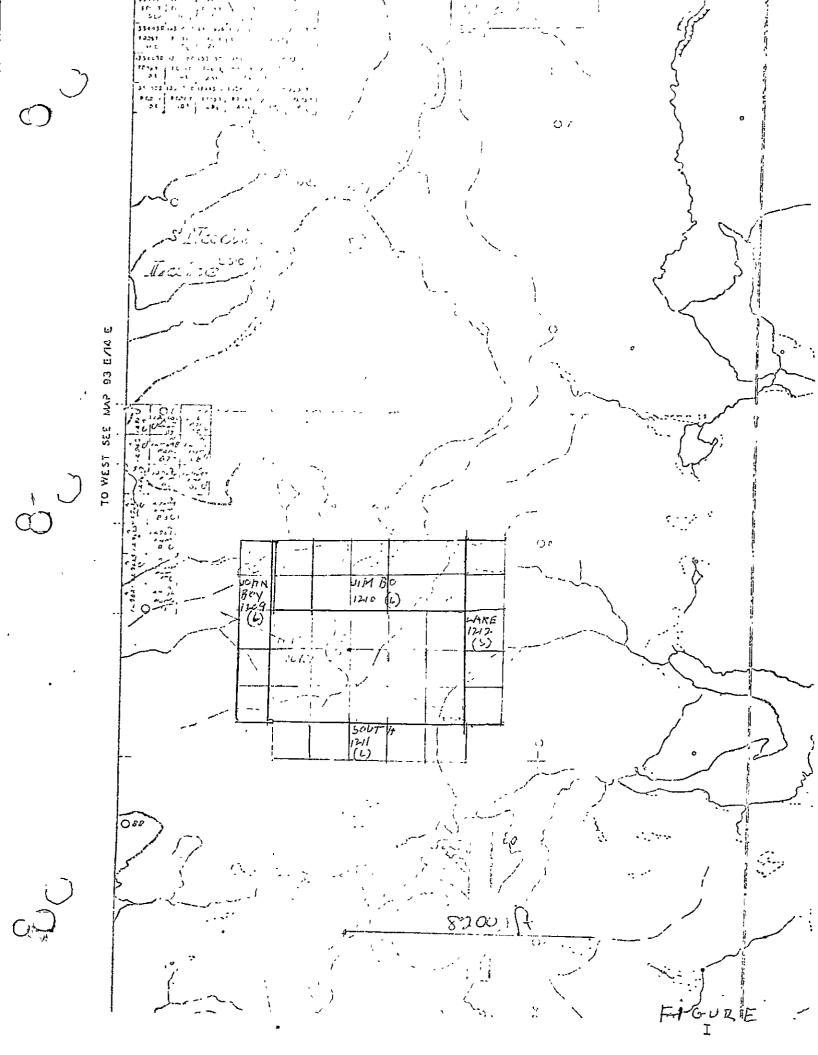
In Sept. 1977 the claims were regrouped under the grid system as 15 units, named Tets claim.

In 1978 John Boy 5 units, Jim Bo IO units, South 5 units, and Lake 5 units were added, and grouped as the Tets group.

In Feb. I980 Sibola dropped the option and all claims were transferred to J. Shelford.

In I980 a small snallow drill program was undertaken in the area known as Swamp Show, which illustrated the dip and strike of the known mineralized area, asisted by some blasting and trenching etc.







LOCATION AND ACCESS

mortheast or Twinkle Lake, which is 40 miles (64.37 km) south of Houston, B.C. Twinkle Lake is accessible via the Tahtsa Lake road from Houston. During the 1973 program the property was serviced by an Alpine Helicopters machine, based at Twinkle Lake." Sibola built a short, 4-wheel drive access road 84 miles west of Burns Lake, near Nadina Lake, from the northwest. Logging by Eurocan Pulp & Paper has since provided an all-weather access route from the south directly onto the property.

TOPOGRAPHY AND CLASSITE

"Topography on the property varies from moderate to rugged with elevations ranging from 3300 to 4700 feet $(1,006\ m-1,433\ m)$. The copography appears to be structurally and geologically controlled, with the ridges exposed and the troughs occupied by swampy meadows.

The property 1, heavily forested with balsam, spruce and pine, all of commercial value. A logging access road has been constructed across the south-west corner of the property.

The climate is of a temperate nature, with warm summers and cold winters. The area is free of snow from July through October, making the area more readily accessible and more easily worked during this period."



REGION. OC.

The core has received statement geological activity since the discovery to Good a take. Dr. Well Cource whas spent substantial time on original napping the time district. He shows that the region is underlain by "... order tree state of Hesosite and Pertiary volcamic rocks and a number of small intrusions ...".

Specific and is of the volcable suice act as host to mineralization resulting from the leader incrusions.

Means traced most sought after in the area are termed "Volcanopenio" deposited "those we usually higher grade, smaller tonnage, massive and for an substantial values in other and some gold.

"The off officeriphic divisions compose a lower sequence of meramorphics of secta, believed to be early hisosofic age, and an upper sequence of cover tooks of Territary and possible late Mesozofic age."

The igneous intrusions consist of acid, intermediate and basic alkaline types.

most of chese hodges are clearly younger than the lower series strata and a me appear to be volcanic seeks and feeders to the Tertiary volcanic rocks."

to Gracky M will consists of four mei women of massive and disseminated mineral sation in nower resolute volcence rocks.

minor economic at an sphalorite. This key value is in the silver which is probably related to the necrahedrite.

The nuncial some sites within an illeration zone near the contact of syeno-menson too and dacine.

The Nadina property near Owen Lake 15 also a significant mineral deposit.

The colt from Coosly, Nadane to Tsaler Mountain and reaching to the Sibola purporely has received substantial exploration activity by major and junior cospacies.

" Church (Θ ") Oldicogy of the Oven Lake, Pairott Lakes and Goosly Lake Area, G.E.A. up. $C_{2}=25$



PROPERTY GEOLOGY

No geologicial map has been made of the area. Intrusive dykes have been reconised in the centre of the property.

Breccia, fracture, and alteration of rock appear to occur in a semicircle to the E, S and west of the intrusive area, which is closely associated with known mineral showings, asociated with rhyolite dacite, tuff etc.

Mineralization consists of lenses, breccia fillings and decimated sphalerite, bournite, chalcopyrite and pyrite.

Some geological knowledge was gained during the I980 drill season. Rock structure in the Swamp Snow area appeared to have a N-S strike and a nearly vertical or past vertical dip, and mineralization appeared to be associated with the structure.

PREVIOUS WORK -

of 1973 they carried out 3.75 miles (14.05 km) of line cutting. They collected and assayed 1294 soil samples and ran 40.63 line miles (65.39 km) of magnetometer survey. The results from this program are given in the report: Sibola Option, GRANGES EXPLORATION AKT. by R.E. Reid and G. Zbituoff.

During 1974, GRANGES carried out a limited amount of soil sampling and trenching (154 samples and two blast trenches), then returned the property to Sibola.

The Company continued the work on the property to determine the validity of the geochemical results. Later in 1974 work was done on the Granges Show at 6N - 56E, to include 33 holes and pits. This soil zinc anomalous area (Granges H5), was found to contain zinc, both "black jack" and "ruby" sphalerite.

The zone follows a massive shatter-breccia zone with mainly disseminated and rim-textured sphalerite with some local chalcopyrite. Comparison of the soil zinc map and the zinc found in place indicates that the soil results are indicative in the Granges Area.

In 1975, physical work was carried out again. A 10' x 10' trench was blasted at "Jim's Pit" and sampled, uncovering massive bornite. Five test pits were dug at the "Zinc Pit" and 3 pits and one trench on the "Hill Top Show". The Zinc Pit contained Zinc, Copper, Silver and Lead replacing shartered pythte. The Hill Top Show is contained in the large Copper anomalous zone centered 6N - 56E and explains the cause. Blasting and trenching uncovered native copper and chalcocite in small quartz-calcite veiclets. The size or magnitude is not known but can explain high soil copper.

In 1976, 27 blast holes and pits and a 15 foot by 4 foot trench were added to the Granges Show.

In 1977, a new area was found at "Base 48". Nineteen test holes, two ten foot tranches, one twelve foot trench and a ten foot by ten foot test hole were blasted into the overburden and underlying rock. This are contains good exposure of copper-silver, bornite-chalcopyrite-tetrahedrite(?) over an area 25 feet by 400 feet, open at both ends."

PREVIOUS WORK CONTINUED

Rock stripping and trenching 1979

A total of IO54 cubic feet or 17I.5 cubic meters of rock was blasted trenched and pitted in four zones on the property. The areas selected were near the diamond drill targets to broaden the visable rock exposure and sampling.

In zone I the Stump Show. Pase 48 area (PD No. 6 to No.9), two rock trenches were blasted totalling I450 cubic feet, and eight pitts for 384 cubic feet totalling I834 ft(5%.0)M

In zone ?the Bear Show (DD NoII to No .16) three rock trenches and twelve pitts were blasted, totalling 2402 cubic feet or (82 cubic meters)

In zone 3, the Base 44 Show (DD No .24 and No .25) two rock trenches and two rock pitts were blasted for II22 cubic feet (3I.8 cubic meters

In zone 4, the Grangus Show area (DDNo.29) one rock trench was blasted and four rock pitts for696 cubic feet or I9.6 cubic meters

DIAMOND DRILL PROGRAM

Mauro C. Paretta 26985- IOO AVE. Whannook B.C. completed 29 diamond drill noles for a total of I800FT. using a winkie drill and a Passe Par Toute (all terain viechicle) for transport of the drill, water was pumped from local water sources with one and two pumps in tandem. This was done as a result of Ron Stokes

PREVIOUS WORK CONTINUED

recommendation that known known showings be crossed with a drill to test at depth, however very little of this was done, and instead most notes were of a prospecting nature in anomalus areas. Consequently they were so far apart that it is impossible to get structure information from two holes to compare them.

In 1980 a shallow drill program was done in the Swamp Slow area, consisting of 8 holes. This program succeded in learning the dip and strike of the mineral in that area.

1981 DRILL PROGRAM

no core recouvery.

In June 1981 the drill was moved in to an area at 70E-I6N known as the Harry Show, which appeared to be an intrusion of granite. One hole was drilled to 67FT at an angle of 60 down in a N direction. While drilling thus hole , water was lost for a short distance at 28 FT, after reconvering water a snort distance, the drill cuttings came out

This hole was stopped as the rock type appeared to change .

inky black, we were into a massive sulfide stringer,

The drill was moved on July 12 to the area known as the Grangus Show at 67E 6N. IN an area of fractured rhyolite. The drill was located on a previous trench where sphalerite had been found .

GI nole was collared at 50° down in a W direction. This whole portion of the drill program developed into a whole series of fustrating experiences wnich were nard on equipment. This nole was worked on for 5 long days . Water was lost at IIFT. and couldnt recouvered easing was tried, and easing bit wouldnt cut the rock past I4 F.T. No core was recouvered after water was lost, so hole was abandoned.

THE drillwas moved around to face W 4CN. HOLE G2 was collared at 50° down, water was lost at IO F.T. Hole was cased to 6 FT. Again the bit wouldnt cut the rock. Hole was cemented . On returning cement was drilled out but water still dissapeared. After

1981 DRILL PROGRAM CONTINUED

three days work, at a depth of 19 FT. having saved no core past 10 FT. HOLE was abandoned.

Brill was raised to II down and hole G3 was collared facing W40 N. Water was lost at 9 FT. after considerable work drilling was able to proceed, after 6 days work G3 reached 87 FT. at which time the bit became muddled in after recouvering the bit the hole had siesed up and bottom couldnt be reached, so it was abandoned.

It was decided to endeavour to drill G4 as a vertical hole till water was lost, this occurred at 7FT., hole abandoned, after working on it for 3 days

Drill was moved I80 FT. S. IO E.to No I blast hole, from previous site .

Drill was set up facing W, hole G5 was collared at 60° down hole was cased to 5 FT.6 in. at 6 FT. a rock contact was reached, hole abandoned at Io FT..

Drill was moved around to face W 34 N G6 was collared at 60° down, hole was drilled to 4.5 FT. and on attempting to clean out hole 2 tungsten carbide insets came off a chopping bit became loose and stayed in hole, hole abandoned.

G7was collared facing W34 N at 42 down , G7 was drilled to IO FT. where rock contact was reached so hole abandoned.

Drill was raised to 19 down on reaching 8.6FT. contact was reached so hole abandoned. G8 at W34 N

A report of core logging, assay results with sketches and illustrations follows.

PHISICAL WORK REPORT

Harry Show base 70 E- 16 N

One half mile of Playcat trail brushed out and windfalls cut. To get from clear cut to Harry SHOW '

Four pitts were blasted IOO FT. NE of drill site in an attempt to locate source of two pieces of high grade copper float. Rock type was different and attempt unsessful.

One water hole blasted in a spring.

Grangus SHow at base 67E 6N trail extended for Playcat 200 yds.

A foot path was picked out between Grangus Show and Blast hole no I . I80 FT.

Two water holes were blasted and dug out One below the drill site, and one IOOO FT. NEof drillsite in a swampy hillside.

Pitt at blast hole no I was enlarged.

Bitt at blast hole no 2 was enlarged.

One pitt was put in the depression above water hole.

Two trenches were put on hillside above drill.

At the Stump Show one day was spent cleaning off, and stripping one of the showings.

ADDITIONAL EXPENCES for 1981

Core Storage Building 7ft. x 8ft. = 56 sq ft ... 56 sq. ft. @ \$18.00 sq.ft. = \$1008.00

Core boxes II @ I5.00 = \$175.00

Total \$1183.00

LIST of expenses to substantiateDrill program .

Power Saw Rental 23days @ \$100.00= \$2300.00 \$32500.00 \$3

TETS GROUP

LIST of CLAIMS and Distribution of work

Claims Record	No.	Vali∉ to	Record date	Work appli	
reis 1–15 79	6	1985	Sept.	30/77	2 years
John Boy I-5	1209	1983	June 26,	/78	I year
Jim Bo IO	1210	1983	Jume 26/	78 ,	I year
South I-5	IZII	I98 4	June 26/	78	Iyear
Lake I-5	1212	1985	June 26/7	18	

PHISICAL WORK REPORT

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A foot path was picked out between Grangus Show and Blast hole no I , I80 FT.

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Pitt at blast hole no I was enlarged.

Bitt at blast hole no 2 was enlarged.

One pitt was put in the depression above water hole.

Two trenches were put on hillside above drill.

At the Stump Show one day was spent cleaning off, and stripping one of the showings.

PHISICAL WORK STATMENT FOR 1981

Harry Show

half mile Playcat trail

\$ 210.00

4 pitts 4\(\frac{4}{4}\)ft\(\frac{4}{1}\)ft deep= 256 cu.ft @I69= \(\frac{4}{3}\)2.00

I water hole

\$ 25.00

Grangus Show

I foot path for moving drill I80ft \$75.00

2 water holes 10 x 10 x 4 =800eu ft @ .35= \$600.00

3 pitts 4 × 4 × 4 = 192 ft @I.69 = \$ 324.48

2 trenches 3 x 16 x 4ft= 382 cu ft@ I.69= \$645.58

Stamp Show

stripping $10 \times 3 \times 2 = 60$ su ft@ 1.69 = \$101.00

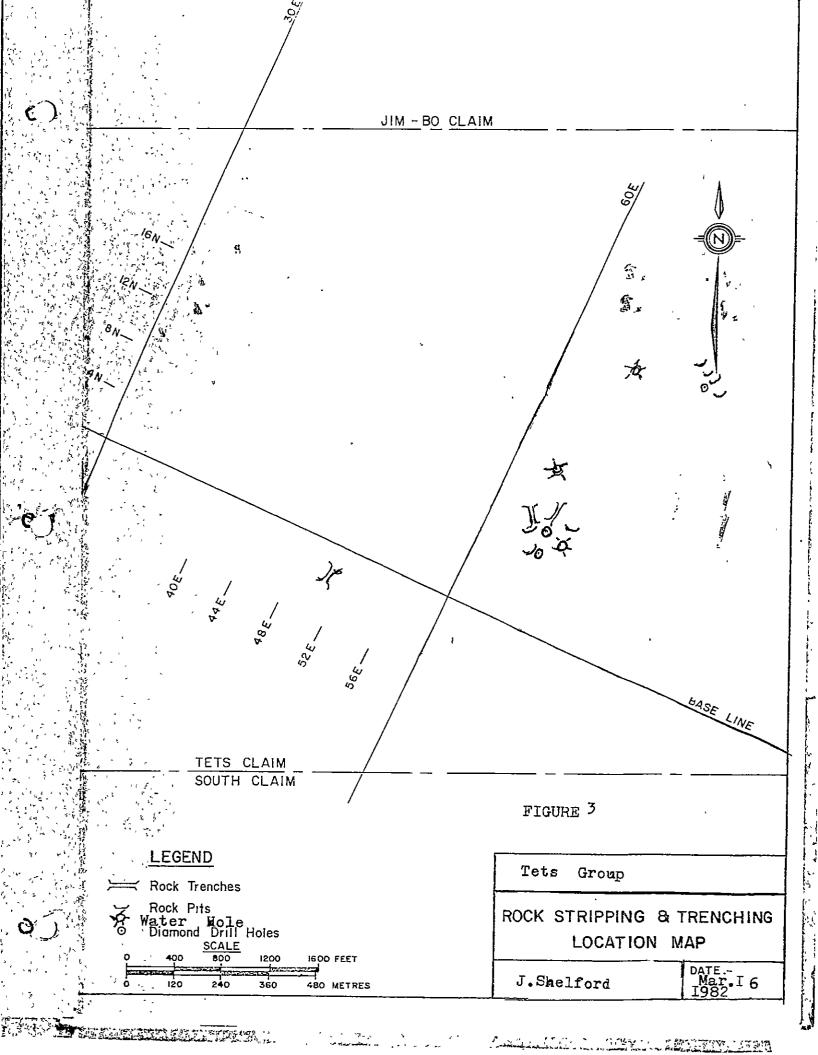
\$2413.46

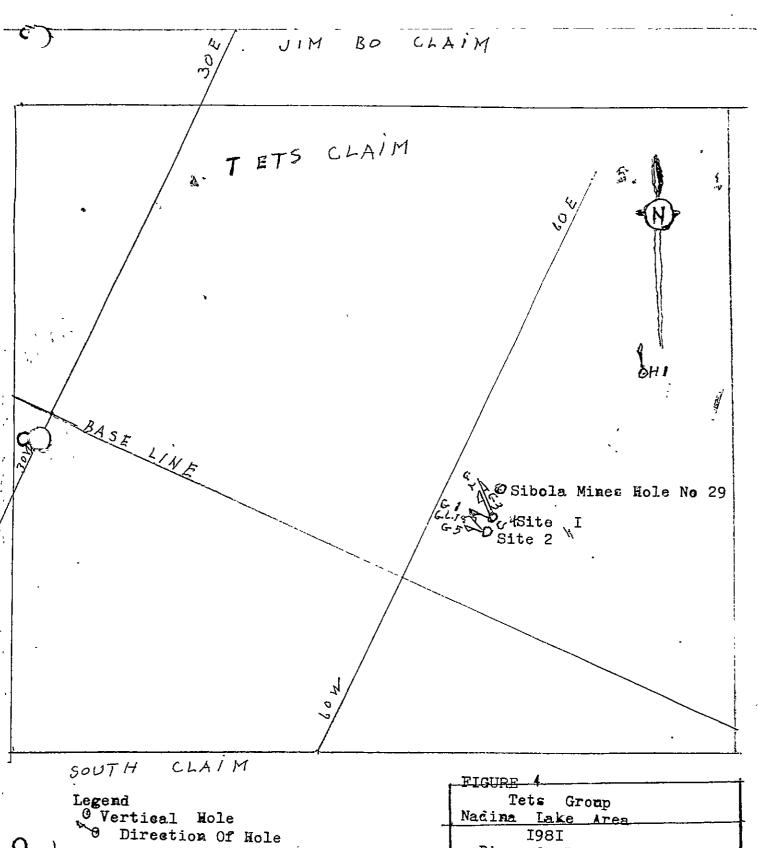
L' DISCUSSION

Core is stored at the residence of J.Shelford.

The writer showed the property to two representatives of two different mining companies during the past year. Both appeared to agree with the writer that the rock in the centre of the property contains intrusive dykes, surrounding this area is a vast area with fracturing and breciation and alteration. Connected with this fracturing in a moon shaped area extending from one half mile to one mile from the dykes, containing most of the pyrite, and mineral occurances.

Due to the diffulcty of drilling in the Grangus Show area with a small drill, further drilling will be done elsewere, probably in the Stump SHOW area or nearer to the intrusive dykes.





Scale
0 400 800 J200 1600FT.
0 120 240 60 480 Meters

Tets Group
Nacina Lake Area

1981
Diamond Drill TARGETS

Locations Map

J.Shelford Date
Burns Lake B.C. Feb. 27

G8 G7

Site 2 Reck assay from EQUITY Mines showed CU.04 AG 2g/t, AU.18 g/t, PB.01 ZN.22

Legend

O Vertical Holo

Direction of Mole

Schle 200 400 600FT

Pagure 5
Cate 2
Pageond Orill Holes

G5 G6 G7 G8For 1981 Season

J. Shelford Fcb.27 Burns Loke 3.C. Fcb.27

AG3 87FT @ II Down GG 19FT@ 50 Down

Legend @ Vertical Hole Direction of Hole

Scale 200

Figure 6 Site I, Diamond Drill Holes G I, G 2, G3, G4. For I98I Season J. Shelford Feb. 27 Burns Lake B.C. <u>1982</u>

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A STANDARD OF THE PARTY OF THE

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PAPAR 50

70FT

χρχ Po	rphyritic
γΔΡ vo	leanie
χΡχ fl	ow

FIGURE 7

J.Shelford
Diamond Drill
Hole H I

Mar.9 1982

TLTS MINERAL CLAIM GROUP

W.

10 20FT

ATA Rayodacite
TAT tuff
ATA breceia

FIGURE 9

J.Shelford

Diamond Drill

Hole G 2

Mar.9 1982

MINERAL CLAIM GROUP <u>.</u> /50 cu tr Ag3 G/T Au.02G/T Pb.02 Zn.02 Rhyodacite and Rhyolite ATA tuff breeia FIGURE J.Shelford Diamond Drill Hole G3 90ft Mar. 9 I982

MINERAL CLAIM GROUP

4

IO

Rhyodacite tuff breccia FIGURL

II

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J.Shelford

Diamond Drill Hole G4

Mar.9 I982

TETS MINERAL CLAIM GROUP

17.47.47.55 17.47.47.55 17.47.55 10

AT Rhyodacite
TAT tuff
TTT Appearitic

新山

FIGURE I2

J.Sh	elfo	rd
Diam	ond	Drill
Hole	G5	
Mar.9	198	2

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IOFT

Rhyodacite
TAT teff
ATA breecia

FIGURE 13

į	J.Skelford
	Diamond Drill
-	Mar.º 1982

PROPERTY Tets Group

LOCATION 53°52' N127W
Diamond Drill Hole #I

Harry Shoy 70 l 16N

DIPTH of HOL 67 ft

ANGL: of mole 60° down

DIRECTION of hole north

DATE COMPLETED July 5

à."

IOFT

ATA Rhyodacite TAT tuff breccia

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FIGURE I4

J.Smelford

DIAMOND Drill

Hole G.7

Mar.9 1982

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TATA IO FT

ATA Rhyodacite TAT tuff ATA breccia

FIGURE 15

J.Shelford

Diamond Drill

Hole G8

Mar.9 1982

PROPERTY Tets Group

LOCATION 53° 52' N127W

Dismond Drill Hole HI

Harry Show 70 F 16N

DEPTH of HOLE 67 ft

ANGLE of MOLE 60° down

DIRECTION of MOLE morth

DATE COMPLETED July 5

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FORD J. SHELDON-OWNER - HARRY SHOWING

K. E. Northcote & Associates Ltd. Dec. 1/81

INT	REC	STRAT INT	FR	L	DESCRIPTION	м	MIN	ASSAY INT	ALTERATION & MINERALIZATION
ec 4'	100%	0 —	-	メ マ メ マ メ マ メ マ メ マ メ マ	Porphyritic volcanic flow; evidence of brecciation no conspicuous quartz, consists mainly of altered plagioclase and mafic. Randomly disseminated hematite. Matrix consists mainly of altered	· !!	Pyr Hem		Disseminated hematite grains. Sericitic and chloritic alteration.
4	100%	5 —	***	メラ×	plagioclase and mafics with aphanitic texture.				TS Widely scattered blebs
ec 3' 7	100%		XX	メマメ	Very high phenochryst to matrix ratio. Mottled cream orange and reddish brown; indistinctly				of pyrite granules. Iron staining on fracture
Rec 1'	50%		XXX	×Ŧ×	layered. Hematitic matrix.	;	Pyr		surfaces. Chloritic and sericitic
9.5		10	-	707 ×7× 707 ×7×	-	-	Hem 		alteration
-13.5-		15 —		70 P 7 X 7 X	Contains scattered patches or fragments of different phenocryst to matrix ratio and	-			•
-16			\bigotimes	\ \ \ \ \ \ \ \	different shades of colour. Brecciated nature is locally very obvious. Masked by shattered				
-20		20 –	_	747 ×7× 74× ×7×	core. Scattered carbonate veinlets and infillings betwee: breccia fragments.	n,			TS
				~~~ ~~×					
-24.5-		25 –		7 A 7 X 7 A 7	Porphyritic volcanic flow; medium to coarse graine _ phenocrysts of altered plagioclase and mafic grain fragmental, in a very fine grained purplish grey	d	ļ Pyr		Traces of disseminated pyrite; scattered patches accregates of pyrite
ec 3.6'	90%			]×アメ  マ <u>ム</u> ア	hematitic matrix. Low phenocryst to matrix ratio.	- 11			granules. Sericite, chlorite and spidote (?) alteration.
-28.5 ec 2.5'	83%	30 –		× 7 × × 7 × × 7 × × 7 × × 7 × × 7 × × 7 × × 7 × × 7 × × 7 × × 7 × × 7 × × 7 × × 7 × × 7 × × 7 × × 7 × × 7 × × 7 × × 7 × × 7 × × 7 × × 7 × × 7 × × 7 × × 7 × × 7 × × 7 × × 7 × × 7 × × 7 × × × 7 × × × × × × × × × × × × × × × × × × × ×	Carbonate vein with associated iron staining, irregular, wide spaced, discontinuous.				8p100te (1) d2002000000
<b>-</b> 31.5				747 ×4×					
ec 7.5'	100%	35 —	_	7 <u>0</u> 7	Carbonate veins approx 0.5 cm running paralle to core axis. Bleached zone, 6 cms.	1		:	. Disseminated pyrite in chloritized slip surface.
	2002			<b>ቅ∆</b> ₹ <b>X                                   </b>					
39				×P× PA P				]	
ec 3'	86%	40 –	'	λ.Τ. ΤΑ.Τ.	-				
<del>-4</del> 2.5			$\bowtie$	\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\					
ec 4.5	100%	45 –	***	X 7 X					
<b>4</b> 7	<u> </u>		   	┆ҳ┮ҳ ∮┮△┮					Kalloth DE
		50 —	$\bowtie$	ያ×ጕ× ፈዋፉ ጕ	<u>_</u> :		ļ	1, 2, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3,	12 pho

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FØRD J. SHEL<del>DON</del>-OWNER - HARRY SHOWING

K. E. Northcote & Associates Ltd. Dec. 1/81

NT REC	STRAT IN	T FR	L	DESCRIPTION		MIN	ASSAY INT	ALTERATION & MINERALIZATION	
7.5	50 -	<b>***</b>	PX PX X PX X P X P X P X P X P X P X P	Porph volc; medium to coarse grained phenocrysts, with altered plagioclase and mafic grains and small granitic and tuffaceous polymictic fragments in a very fine granular purplish grey hematitic matrix.  Low crystal to matrix ratio.  Lighter coloured bleached interval. 10 cms.  Brecciated nature locally obvious.	Tr	Pyr	•	Traces disseminated pyrite  10 cm zone of abundant finely disseminated pyrite	
52	60 -		7 X Y Y Y Y Y Y Y X Y X X						
57	65 -	-XXX	₹ ₽ ₽	Total Depth 67 ft.				Kinima	T DRAMON
	70 -			•				0,3	Ot
								Ka Nathali	

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PROPERTY Tets Group

LOCATION 53° 52' N 127 W

CRANGUS SHOW 67 E 7 N

Site I

Diamond Drill Hole G I

Depth of HOLE I4 ft

ANGLE of HOLE 50° down

DIRECTION of HOLE W

DATE Completed July 29 1981

Diamond Drill Hole G 2

Depth of Hole I9 ft

Angle of Hole 50 down

Direction of Hole W 40 N

Date completed Aug 9 1981

K. E. Northcote and Associates Ltd. Nov. 26/81

	INT	nsc	CTDAT TUT		]		_	_	<del></del>		<u> </u>
	TITE	REC	STRAT INT	FR	<del>                                     </del>	DESCRIPTION	М	MIN	ASSAY IN	τ	ALTERATION & MINERALIZATION
	0 Rec 5.5	832		XXX	今 - - - - - - - - - - - - - - - - - - -	Rhyodacite tuff breccia; mottled cream tan & light grey aphanitic matrix; fragments crystal tuff aphanitic TS/matrix. Rhyodacite tuff; mottled cream tan and light grey, widely scattered feldspar crystals.	_	MnO ₂		TS	Sericite alteration. Mn & Fe staining in fractures. Character sample.
	6.6 Rec ₈ 1.4 Rec 2'	1001	5			Irregular carbonate in fillings with margin of cavity filled with sphalerite.  Rhyodacite tuff shows some pale brown alteration or staining.  Lavering 9 30° to core axis					Scattered cavities limonite-filled.
-	—-11——- Rec 2' . —-14——-	66%	15 –			Total depth 14 feet.					
						Abundantly broken core as a result of blocking during drilling.					
8	1 G-2		Page 1	of	1						
	Rec 6'	50%	0 -			Rhyodacite tuff; mottled cream-tan & light grey, aphanitic matrix, scattered fine grained feldspar phenocrysts or crystal fragments.  Irregular carbonate masses filling irregular cavities the margins of which are lineaby thin layers of sphalerite		? Sph MnPyr			Sericitic alterations.  For mineral identification. Carbonate vug or vein filling approximately 4 cm wide. Traces of pyrite in fractures.
_	_11.8		10 –	1		Thin carbon. Pale yellow-brown staining adjacent to carbonate filled cavities, adjacent to veins & insipient			j		
F	ec 0.4	5%	15 —		4-4-4-4-4 4-4-4-4-4	fractures.  Note - one fragment of granite in fragmented drill core- in place?  Rhyodacite tuff breccia, polymictic, fine fragmental.  Fragmental nature masked by broken nature of core.  Very poor recovery; section largely unknown.				1	Abundantly broken core resulting from blocking and milling during drilling. Very poor recovery.
	-78.2		20 –			Note - ? - Garbonate-filled-cavities—lined by silver- black bright metallic micaceous habit mineral that gives a creamy brown streak. Laboratory determination required	*	14		••	Wery poor recovery.
											•





(i)

PROPERTY Tets Group

LOCATION 53° 52' N I27 W

Grangus Show 67 E 7 N

Site I

Diamond Drill Hole G 3

Depth of Hole 87 FT

Angle of Hole II down

Direction of Hole W 40° N

Date completed Sept 6 1981

J. SHEL<del>DON</del> OWNER - GRANGES ZONE

K. E. Northcote & Associates Ltd. Nov. 26/81

Rec 5' 55%  Rec 1.9' 100%	INT	oer.	STRAT INT	FR		DESCRIPTION	м	MIN	ASSAY INT	ALTERATION & MINERALIZATION	
Rec 5' 55%  Rec 5' 5' 5' 7' 7' 7' 7' 7' 7' 7' 7' 7' 7' 7' 7' 7'	17(1	KEC	SIKAI INI	I rk	<del>                                     </del>	DESCRIFTION	1,1,1	1 WIN	HOOM! IN!		
Rec 1.9 1002  Rec 1.9 1004  Rec 1.9 1005  Rec 4.6 902  Rec 4.6 902  Rec 4.6 902  Rec 4.6 902  Rec 2.2 902  Rec 2.2 902  Rec 10 802  Rec 10 902  Rec 10 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 16 18 18 16 18 18 18 18 18 18 18 18 18 18 18 18 18	Rec 5'	55%		***		staining, cream green altered fragments. Healed by or intermixed with light/medium grey aphanitic and very fine grained granular to intrusive rock. Core abundantly broken as a result of blocking during drilling.  Siliccous veins or infilling between tuff fragments. Layering @ 30° to core axis.  Less obvious breccia texture but may be masked by intensely broken nature of core.	T	Cpy Sph?		Traces of disseminated chalcopyrite and associated with drusy in fillings. Copper staining. Disseminated pyrite in granular matrix. Sericitic alteration, strong locally.  Mn and weak iron staining on	
Rec 4.6' 90%  15 - T T Rhyodacite tuff, less obvious brecciation, strong local T Rhyodacite tuff, less obvious brecciation, strong local T T T Rhyodacite tuff, less obvious brecciation, strong local T T T T Rec 2.2' 90%  19.5 - 20 - T T T T T T T T T T T T T T T T T T		1	1			and light grey.				Sericitic alteration, strong	
Rec 2.2' 90%  19.5  20	Rec 4.6'			XXX XXX	<b>爱</b>	TS / TS / TS / TS / TS/ Some interlayering with fine granular texture. TS/ Rhyodacite tuff, less obvious brecciation, strong local				locally. TS @ 12'6" • TS @ 13' TS @ 13'6"	
Thin, black, very fine interbeds.  Rec 10' 80% 25 - TT TT TT Tuff, light cream grey, greenish tint, locally irregularly mottled by light orange brown from staining.  Scattered thin medium/dark grey very fine grained interbeds.  Intensely broken core which resulted from drilling.  TT TT TT TT Tuff, light cream grey, greenish tint, with scattered irregular interlayering with light and medium grey tuffaceous layers most very fine grained with some fine grained vith some fine grain	Rec 2.2'	90%	1			Layering @ 30° to come axis.				fracture surfaces. Mn and weak iron staining on	
Tuff, light cream grey, greenish tint, locally irregularly mottled by light orange brown iron staining.  Scattered thin medium/dark grey very fine grained interbeds.  To T			20 -	×××	T T T	, , ,					
interbeds.  Intensely broken core which resulted from drilling.	Rec 10'	80%	25 –		T +	larly mottled by light orange brown iron staining.					
Trace of fine grained granular interbed  TAT  Tuff, light cream grey, greenish tint, with scattered irregular interlayering with light and medium grey tuffaceous layers most very fine grained with some fine granular texture.  Scattered carbonate veinlets.  Sph Cpy  TS Minor sphalerite in fractures with carbonate; traces of chalcopyrite.  Descriptions (2) & Mo staining	29.5		30 –	-	T T T	interbeds.					
irregular interlayering with light and medium grey tuffaceous layers most very fine grained with some fine granular texture. Scattered carbonate veinlets.  The staining of the carbonate interlayering with light and medium grey tuffaceous layers most very fine grained with some fine granular texture.  Sph Cpy  TS Minor sphalerite in fractures with carbonate; traces of chalcopyrite.  Description (2) & Mo staining			35		Τ Τ Δ΄ Δ΄ ΤΔΤ						ŀ
Cpy with carbonate; traces of chalcopyrite.	37.2		40	. :	T_T T_T	irregular interlayering with light and medium grey tuffaceous layers most very fine grained with some fine granular texture. Scattered carbonate veinlets.					
			45	-	수 <u>수</u> 수 수 ㅜ ㅜ	TS -				with carbonate; traces of chalcopyrite.	Latu.
45 - TT T TS  Fine granular salt & pepper interbed.  Cpy  Trace of disseminated chalcopyrite.			50		T T	Fine granular salt & pepper interbed. TS	 	Сру	1 gi	Trace of disseminated chalcopyrite.	LO JEN





81 G-3 Page 2 of 2

FORD J. SHEL<del>DON</del>-OWNER - GRANGES ZONE

K. E. Northcote & Associates Ltd. Nov. 26/81

TH	REC	STRAT	INT	FR	L	DESCRIPTION	М	MIN	ASSAY	INT	ALTERATION & MINERALIZATION
c 5'	77%		50 - 55 -		니 시 시 시 시 시 시 시 시 시 시 시 시 시 시 시 시 시 시 시	Core missing, sent for assay.  Rhyodacite tuff, interlayered light cream with green tint, light, medium and dark grey layers.  Scattered calcite veinlets throughout interval.		Zn Gal			Sphalerite & galena in carbonate filled cavities. Note - Greenockite reported in this interval but not confirmed by Northcote. Mn & weak Fe staining in
2.5	65%	-		-	구수 수 수	Scattered breccia intervals.				•	fractures.
.5			60 -	<b>&gt;&gt;&gt;&gt;</b>	T T T						Abundantly broken core.
2.5	35%		65 -	<b>***</b>	T T						Abundantly broken core.
.5 c 1'	43%	t	70 -	~ <b>***</b>	T T	~ . 					Abundantly broken core.
0.4' 2.6——	10%			<b>&gt;&gt;&gt;</b>							Mn & weak Fe staining in
ec 3'	75%	<u> </u>	75 -	×××	7-7 7-7 8-7-4 7-4	Scattered purplish red flecks in a cream green tuffaceous matrix. Rhyolite tuff breccia, polymictic fragments, most less than 1 cm, most shades of light, medium and dark grey, some reddish or purplish tint. Some mottling by iron					fracts.
1.5'	27%		80 -	-	14 4 4 4 4 4	stained intervals.  Scattered calcite veinlets.  Rhyolitic tuff breccia. polymictic fragments, cream,					
33 : 1.5' 37	38%	<u>†</u>	85 -	XXX.	44 44 44 44 44 44 44 44 44 44 44 44 44	shades of light medium and dark grey.  Scattered calcite veinlets. T.D. 87 ft.					
											Con to
											pho pen
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PROPERTY Tets Group

Location 53 52' N I27 W

Grangus Show 67 E 7 N

a Site I

4

Diamond Drill Hole G4

Depth of Hole 7.5 ft

Angle of Hole Vertical

Direction of Hole Vertical

Date completed Sept. 13 1981

Site 2

Diamond Drill Wole G5
Depth of Wole IO ft.

Angle of Wole 60 down
Direction of Hole W

Datr completed Sept. 20 1981

Diamond Drill Hole G 6

Depth of Hole 4.5 ft

Angle of Hole 60 down

Direction of Hole W 34 N

Date completed Sept 24 1981

INT	REC	STRAT INT	FR	Ĺ	DESCRIPTION	М	MIN	ASSAY INT	ALTERATION & MINERALIZATION	
Rec 3'4.5' Rec 3"7.5'	67% 8%	0 <b>–</b> 5 <i>–</i>		- 4- 4	Rhyodacite tuff/tuff breccia; mottled light/medium grey and light orange tan staining - locally brecciated.  Irregular carbonate infillings lined by black micaceous mineral.  Very poor recovery.  T.D. 7.5 ft.				Abundantly broken core may mask brecciated nature of the rock. Mn and minor Fe staining on fracture surfaces. Scattered flecks bright green waxy mineral.	
Rec 1' Rec 1' Rec 4'-1' Rec 4.4'	25% 63% 100%	10 Page 1 0 5 10			Rhyodacite tuff; mottled light cream grey and pale orange tan, xome core chips show brecciated texture.  Locally brecciated healed by vfg black matrix containing micaceous material.  Core missing.  Andesitic tuff, dark green-grey, massive, cut by small irregular carbonate veinlets <0.2 to 0.5 cms. Matrix contains disseminated dark grey green and orange red blebs.  Cut by calcite veinlets.  T.D. 10 ft.		Pyr		Mn and weak Fe staining on fractures.  Traces of disseminated pyrite.  Small bleb of fine granular pyrite	
81 G-6  Rec 3' -4.5'	60%	Page 1 0 - 5 -	of	1 2-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4	Rhyodacite tuff breccia, very fine tuff mottled light cream grey with light orangy cream stain, brecciated.  Matrix between fragments rimmed by sphalerite & filled with calcite. Scattered blebs of fine granular pyrrhotite and chalcopyrite(?)  T.D. 4.5 ft.		Sph Cpy?		Mn and lesser Fe staining on fracture surfaces. Traces sericite alteration.  Note - granular metallic mineral too dull for cpy, soft, non-magnetic.	PEM.

S



PROPERTY Tets Group

LOCATION 53° 52'N I27 W

Grangus Show 67 4 7 N

SITE 2

Diamond Drill Hole G 7

Depth of Mole IO ft

Angle of Nole 42 down

Direction of Hole W 34 N

Date completed Sept. 30 1981

Diamond Drill Hole G8

Depth of WOLE 8.5 ft

Angle of Hole 19 down

Direction of Hole W34 N

Date completed Sept.30 1981

81<u>G-7 Page 1 of 1</u>

್ರಂ೯ರ J. SHEL<del>DON</del>-OWNER – GRANGES ZONE

K. E. Northcote & Associates Ltd. Nov. 26/81

INT I	REC	STRAT INT	FR	Ļ	DESCRIPTION	М	MIN	ASSAY INT	ALTERATION & MINERALIZATION
4.5'		5 -	S W J	7	Rhyodacite tuff breccia, very fine tuff, mottled light cream grey with light orangy cream stain, brecciated.  Matrix between fragments rimmed by sphalerite & siderite and filled with calcite.  Scattered blebs of granular pyrrhotite and chalcopyrite.  Scattered blebs of blue green waxy sericite(?)  T.D. 10 ft.		Pyr Sph		Mn and lesser Fe staining on fracture surfaces. Traces of sericite alteration.  Pyr , too dull for chalcopyrite. Sparsely disseminated small single grains of soft black metallic mineral.
ec 2.5' 4'	68%	5 –	of S W	1 	Rhyodacite tuff breccia, very fine tuff, scattered plagioclase crystals, mottled light cream grey with light orangy cream stain, brecciated.  Dark grey very fine grained siliccous material forming matrix between breccia fragments. One or two core fragments show calcite breccia infilling rimmed by thin layer of sphalerite & scattered blebs of soft granular dull pyrrhotite.  Abundantly broken core as a result of drilling. Bottom 6 inches darker tuff, andesitic, massive, disseminated orange-red flecks.  Bedding @ 2 45° to core axis.  T.D. 8.5 ft.  Cone of bedding possibilities.		Pyp		Mn and lesser Fe staining on fracture surfaces. Trace disseminated pyr  Traces sphalerite rimming calcite breccia infillings.
						1 2 2	-		K& Nath DER.

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## EQUITY SILVER MINES LIMITED

## ASSAY CERTIFICATE

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