

WORK REPORT FOR

TETS GROUP MINERAL CLAIM - 40 UNITS

OWNED BY J. SHELFORD

OOTSA LAKE AREA

HOUSTON, B.C.

OMINECA MINING DIVISION

126°57'E 53°51'N - CLAIM MAP M93E 15W

OPERATOR: J. SHELFORD

CONSULTANT: MARTEN STEVEN TRAVIS, GEOLOGIST

BY

JOHN SHELFORD (PROSPECTOR)

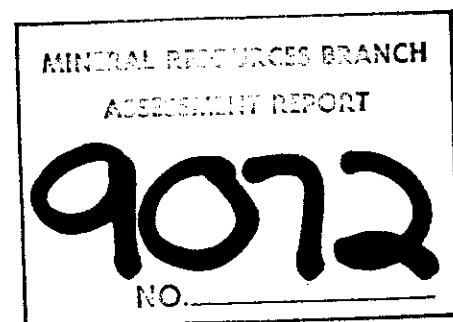
BOX 166, BURMS LAKE, B.C.

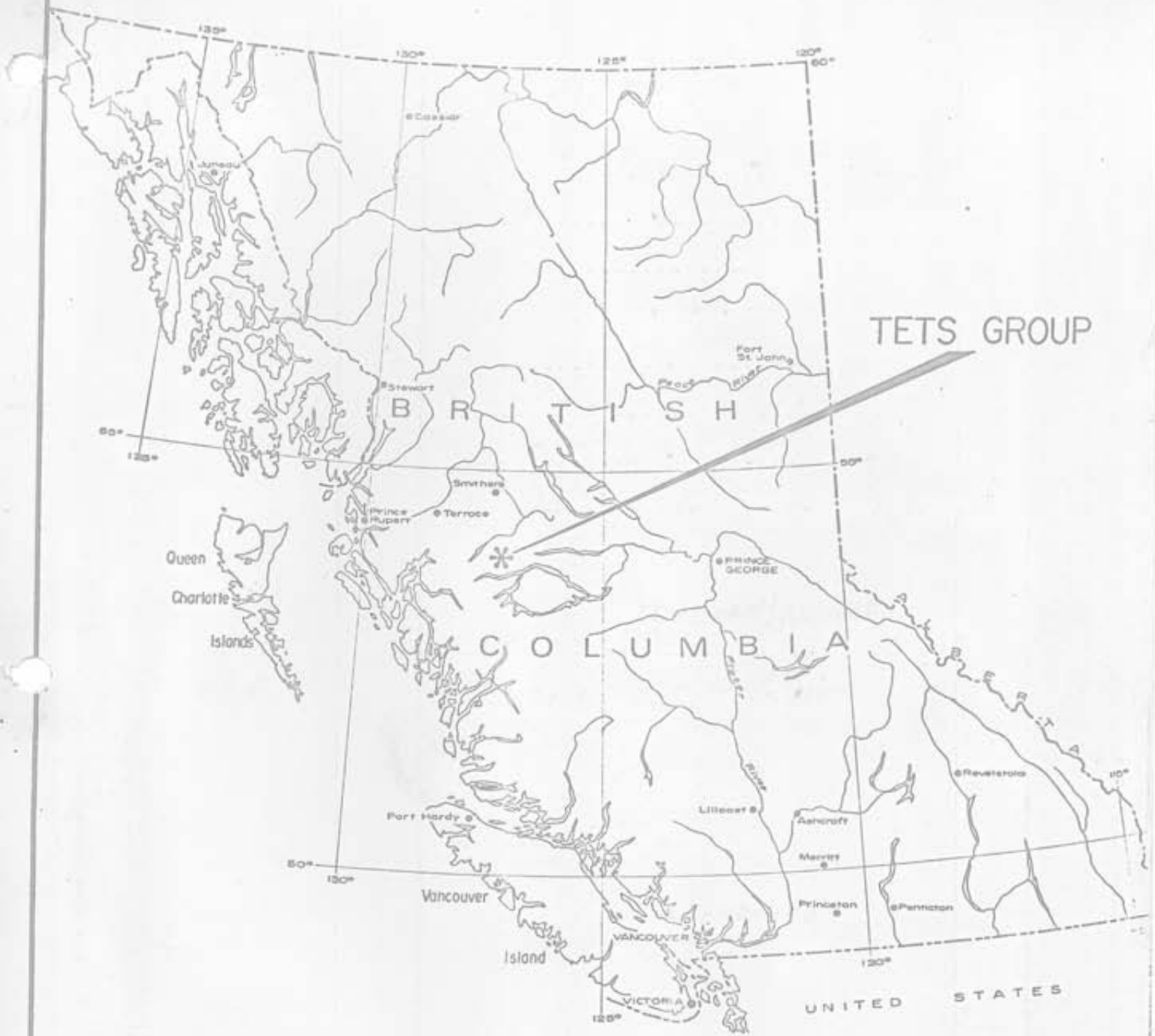
AND

MARTEN STEVEN TRAVIS

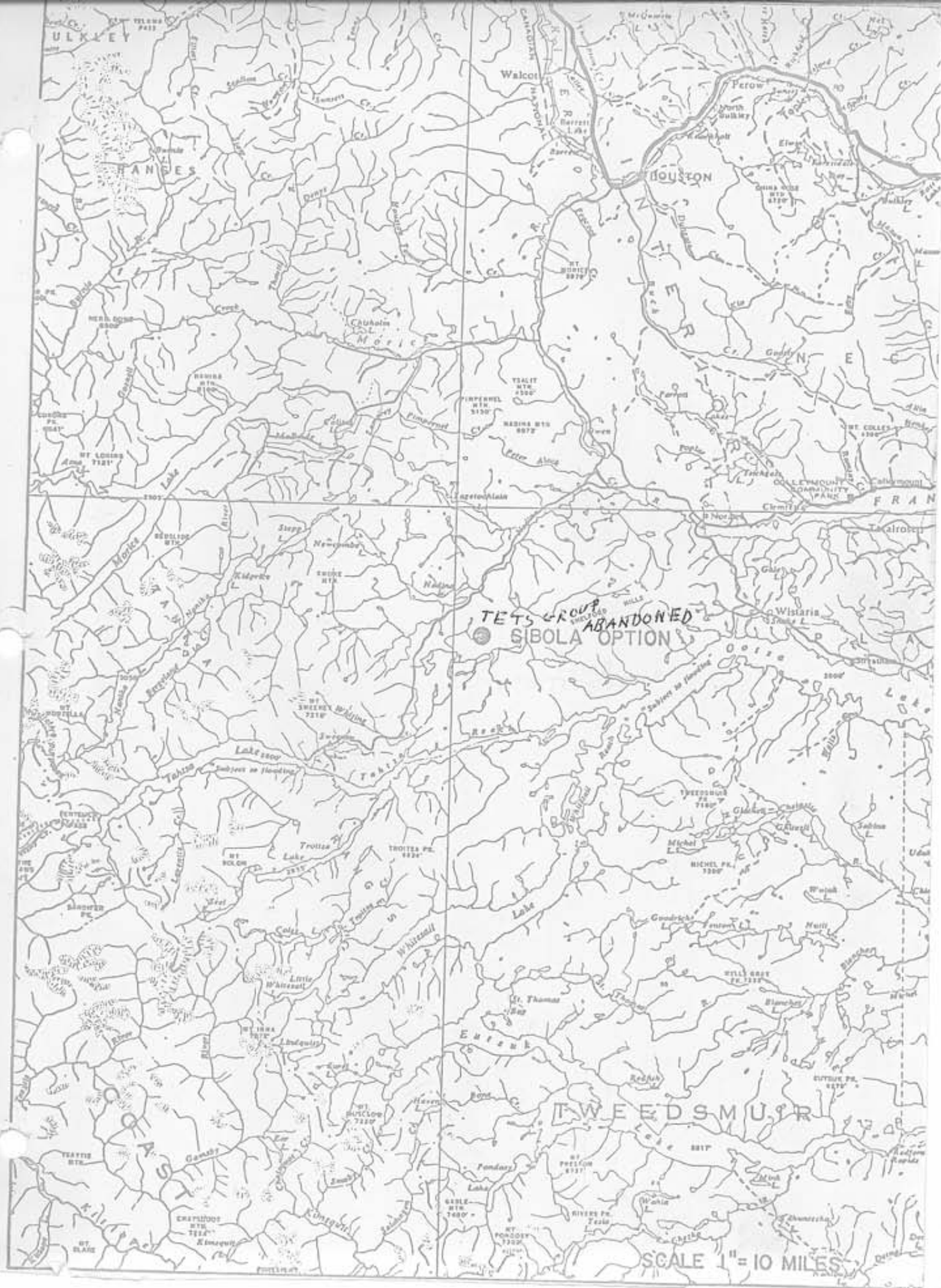
BOX 197, BRAGG CREEK, ALBERTA

DATE: FEB. 6, 1981





9072



SCALE 1" = 10 MILES

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INTRODUCTION

The writer was born in the area in 1916, has prospected actively since 1950 and has been engaged in development work since 1959 during which time two drill programs were observed, as to methods and results.

HISTORY

The Tets claims were first staked in July 1969 by J. Shelford; Tets 7 - 14 were added in April 1970; Tets 15 - 16 were staked to replace Tets 1 - 2 (lapsed by mistake); Tets 17 - 30 were staked in Sept. 1971; Tets 31 - 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 Mines (later Sibola Mines) in 1970.

On June 22, 1973 Grangus Exploration Aktieblag optioned the property and carried out work during 1973 - 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 - Tets group and 2 units - Cindy group.

In 1978 the John Boy 1 - 5, Jim Bo 1 - 10, South 1 - 5, and Lake 1 - 5 claims were added.

In Feb. 1980 Sibola dropped the option and all claims were transferred to J. Shelford.



FIGURE 1

130430	130431	130432	130433	130434	130435
130436	130437	130438	130439	130440	130441
130442	130443	130444	130445	130446	130447
130448	130449	130450	130451	130452	130453
130454	130455	130456	130457	130458	130459
130460	130461	130462	130463	130464	130465
130466	130467	130468	130469	130470	130471
130472	130473	130474	130475	130476	130477
130478	130479	130480	130481	130482	130483
130484	130485	130486	130487	130488	130489
130490	130491	130492	130493	130494	130495
130496	130497	130498	130499	130500	130501

130502	130503	130504	130505
130506	130507	130508	130509
130510	130511	130512	130513
130514	130515	130516	130517
130518	130519	130520	130521
130522	130523	130524	130525
130526	130527	130528	130529
130530	130531	130532	130533
130534	130535	130536	130537
130538	130539	130540	130541
130542	130543	130544	130545
130546	130547	130548	130549
130550	130551	130552	130553
130554	130555	130556	130557
130558	130559	130560	130561
130562	130563	130564	130565
130566	130567	130568	130569
130570	130571	130572	130573
130574	130575	130576	130577
130578	130579	130580	130581
130582	130583	130584	130585
130586	130587	130588	130589
130590	130591	130592	130593
130594	130595	130596	130597
130598	130599	130600	130601

TO WEST SEE MAP 93 E/14 E

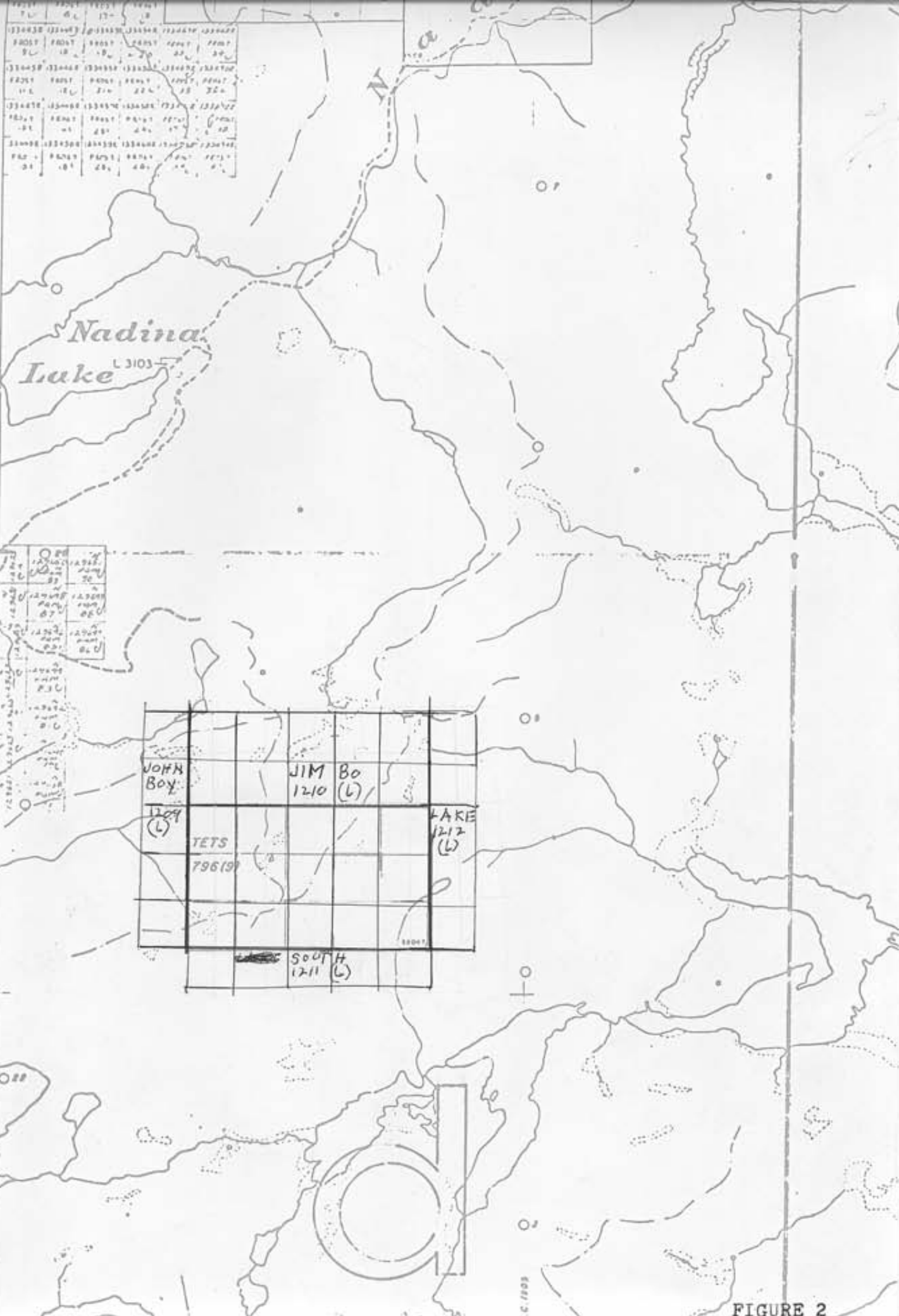


FIGURE 2

LOCATION AND ACCESS

"The TETS claims are located approximately 5 miles (8.05 km) northeast of 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 CLIMATE

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

The property is 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."

REGIONAL GEOLOGY

The area has received substantial geological activity since the discovery at Goosly Lake. Dr. Neil Church * has spent substantial time on original mapping in the district. He shows that the region is underlain by "... a diverse suite of Mesozoic and Tertiary volcanic rocks and a number of small intrusions ...".

Specific units of the volcanic suite act as host to mineralization resulting from the feeder intrusions.

Mineralization most sought after in the area are termed "Volcanogenic" deposits. These are usually higher grade, smaller tonnage, massive and mixed sulphides of copper, lead and zinc, with substantial values in silver and some gold.

"The main stratigraphic divisions compose a lower sequence of metamorphosed strata, believed to be early Mesozoic age, and an upper sequence of cover rocks of Tertiary and possible late Mesozoic age."

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

Most of these bodies are clearly younger than the lower series strata and some appear to be volcanic necks and feeders to the Tertiary volcanic rocks."

The Goosly Lake deposit, owned by Equity Mining - now under option to Granby Mines, consists of four main zones of massive and disseminated mineralization in Lower Mesozoic volcanic rocks.

Mineralization includes pyrite, pyrrhotite, chalcopyrite with minor tetrahedrite and sphalerite. The key value is in the silver which is probably related to the tetrahedrite.

The mineral zone lies within an alteration zone near the contact of syeno-monzonites and dacite.

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

The belt from Goosly, Nadina to Tsalit Mountain and reaching to the Sibola property has received substantial exploration activity by major and junior companies.

* Church (1970) Geology of the Owen Lake, Parrott Lakes and Goosly Lake Area, G.E.M. pp. 119 - 125.

PROPERTY GEOLOGY

No geological map has been made of the area. It appears that the mineralization on the property is associated with rhyolite, andesite, dacite, breccia contacts in a volcanic pile of Hazelton rocks, underlain by one or more granitic intrusions.

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

Some geological knowledge was gained during the 1980 drill season. Rock structure in the swamp show 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.

Furthermore, after the writer had spent several days diamond drilling on the W.H. claim and became thoroughly familiar with what granitic rocks looked like in that area on the surface, a day was spent on the Tets claim at approx. 70 E 16 N, an area marked by Jim Ager as silicified and previously blasted by John Shelford, to obtain rock samples of a highly pyritised rusty rock. These have been identified now as similar to W.H. rocks in all ways (granite).

PREVIOUS WORK *

"On June 22, 1973, GRANGES EXPLORATION AKTIEBOLAG optioned the property and implemented the 1973 program. Between June 30 and August 5 of 1973 they carried out 8.75 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 - 66E, 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 shattered pyrite. 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 veinlets. 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 trenches, one twelve foot trench and a ten foot by ten foot test hole were blasted into the overburden and underlying rock. This area contains good exposure of copper-silver, bornite-chalcopyrite-tetrahedrite(?) over an area 25 feet by 400 feet, open at both ends."

* - Summary by Sibola staff.

PREVIOUS WORK:

ROCK STRIPPING AND BENCHING - 1979

A total of 6,054 cubic feet or 171.5 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 visible rock exposure and sampling.

In Zone 1, the Stump Show-Base 48 Area (DD No. 6 to No.9), two rock trenches were blasted totalling 1,450 cubic feet, and eight pits for 384 cubic feet, totalling 1,834 ft (52.0 m).

In Zone 2, the Bear Show-Zinc Show Area (DD No. 11 to No. 16) three rock trenches and twelve pits were blasted, totalling 2,402 cubic feet, or 68.2 cubic meters.

In Zone 3, the Base Line Show (DD No.24 and No. 25), two rock trenches and two rock pits were blasted for 1,122 cubic feet (31.8 cubic meters).

In Zone 4, the Grangus Show Area (DD No. 29), one rock trench was blasted and four rock pits for 696 cubic feet or 19.6 cubic meters.

DIAMOND DRILLING

Mauro G. Beretta of 26935 - 100 Ave., Whonnock, B.C. completed 29 Diamond Drill holes for a total of 1,800 ft. using a Winkie Drill and a Passe Par Toute (all terrain vehicle) for transport of the drill. Water was pumped from local water sources with one and two pumps in tandem.

This was as a result of Ron Stokes recommendation that known showing be cross cut with a drill to test at depth. However, very little of this was done, and instead most holes were of a prospecting nature in anomalous areas. Consequently, they were so far apart that it is impossible to get structure information from any two holes to compare them.

1980 DRILL PROGRAM

In June 1980, a Boyle Bros. x-ray drill converted to EX rods was put on the Tets Property.

It was decided to explore the swamp show and endeavour to find dip and strike of the mineralized rock, as this couldn't be determined by blasting. The drill was on the property from June to Oct. 2. During this period drilling was done to a total of 23 days. J1 to J8 holes were drilled to a total length of 415 ft (126.5 meters).

The drill was set up on the known showing and a hole was put in a northerly direction until a different rock was encountered. Hole 2 was put in at near right angles for 102 ft, this appeared to have crossed through several beds so hole 3 was put in at a steeper angle and confirmed the findings in hole 2. Hole 4 was drilled at right angles down hill, in the hope that rock structure could be entered under the swamp, with no luck.

The drill was moved to Site 2, located 60 ft. to north and hole 5 was drilled for 63 ft. parallel to hole 2 - 3. The drill was moved 100 ft. south of Site 1 to Site 3 and hole 6 was put in an easterly direction expecting to again penetrate the mineralized area. However trachyte was encountered for the entire length, 92 ft.

On excavating pits and a trench between Site 1 and 3, a fault was found running in an E - W direction. This explained the change in rock type; apparently there has been a big rock movement in that area.

The drill was moved to Site 4, in the swamp below Site 1, to again endeavour to reach rock structure there. This proved hopeless after trying for 3 days.

The drill was moved to Site 5, located at the edge of the swamp at the base of the hillside, and hole 8 was drilled in an easterly direction which was expected to enter the mineralized area at a few feet lower elevation and cross-cut the bed. This proved to be correct. The writer feels that dip is nearly vertical and strike N - S.

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

PHYSICAL WORK REPORT

FOR 1980 TETS GROUP

Base 44 1N 1 pit blasted to expose new copper show on hillside.

Pit size 6 by 4 and 4 feet deep.

Mineralization erratic bornite and chalcopyrite in fractured rock tuff.

Swamp show extension trench downhill from previous excavation 10 ft. by 3 ft. by 3 ft. in overburden and bedrock.

Pits were cleaned out at right angles to new trench to N and one extra pit put in 3 by 4 by 3.

A series of pits and trenches was put in to S at right angles to new trench for approx. 60 feet in overburden.

Trenching 20 feet by 2 by 2 feet.

Pits 5 @ 2 by 2 by 2 feet.

Trail brushed out from Base 44 to swamp show.

Road grading with pick and shovel on access from camp to swamp show - 3 days, one man.

DISCUSSION

Drill core is stored at the residence of John Shelford, Burns Lake, B.C.

Drill core out of J2 - J3, J5 and J8 showed a lot of fluorescence under the ultraviolet light, much white, some bluish and some yellow and of course pinkish calcite. That was the reason for the W0 and M0 assays, apparently only a slight contamination of the calcite.

The trachyte encountered in hole 6 was not expected, nor does it fit into the pattern, and isn't visible on the surface, rocks directly above it on the hillside are tuffs. However, a fault was found between site 1 and site 3 with 3 feet of gouge at right angles to site 1 structure E - W sketch G.1.

Site 1 is situated 20 feet vertical on a steep hillside above swamp. So J8 hole drilled on a lower elevation entered the rock bed deeper in the ground. It appears that copper content increases with depth. It appears that this mineralized structure becomes wider as it strikes N. No bedrock is visible for at least one mile, and part of this area is one vast long series of swamps.

The area at 70E - 16N will be referred to as Harry show and is scheduled to be the first drill site on the Tets property in 1981.

DRILL HOLE LENGTH - 1980

<u>HOLE</u>	<u>CASING</u>	<u>DEPTH (ft.)</u>	<u>DAYS</u>
J1	...	0 ... 40 2 @ 13 hrs - June 22 and 25
J2	...	6 ... 102 4 @ 13 hrs. - July 1, 6, 9, and 13
J3	...	6 ... 52 2 @ 13 hrs. - July 16 and 20
J4	...	6 ... 15 1 @ 13 hrs. - July 23
J5	...	4 ... 52 3 @ 13 hrs. - July 27, Aug. 3 and 6
J6	...	8 ... 92 5 @ 13 hrs. - Aug. 10, 13, 24, 27 and Sept. 3
J7	...	12 ... 0 (caved)....	3 @ 13 hrs. - Sept. 7, 17 and 21 - 2 days, 2 men - 1 day, 1 man
J8	...	<u>12</u> ... <u>62</u> <u>3</u> @ 13 hrs. - Sept. 24, 28 and Oct. 2
	54	415	22 - H.Hewett 23 - J.Shelford

415 feet drilling core - size 1 inch @ \$16\$6640.00
54 feet casing @ \$36 per ft.\$1728.00
\$8368.00

EXPENSES INCURRED

Diamond drill rental - 23 days @ \$100 per day\$2300.00
Power saw rental\$ 500.00
Camper rental (as storage base)\$ 800.00
Diamond driller - 22 days @ \$90\$1980.00
Engineer and drill helper - 23 days @ \$90\$2070.00
Transportation of drill - in and out\$ 200.00
Transportation to and from work - 23 days; 180 miles
per day @ 10¢ per mile.\$ 414.00
Extra hose\$ 300.00
New pump\$ 65.00
Pulley\$ 9.00
Gas - 63 gal. @ \$1.40 per gal.\$ 888.20
Oil - 20 qt. @ \$1.45 per qt.\$ 29.00
\$8755.20

EXTRA EXPENSES

Core storage building - 7 by 8 = 56 sq. ft. @ \$18\$1008.00
Preparing report, including core logging and typing\$ 500.00
\$10263.20

PHYSICAL WORK COSTS

Base 44 - 1 pit - 4 by 4 by 4 in rock	
64 cu. ft. @ \$1.68	\$107.52
Swamp show - 1 trench - 10 by 2 by 3 in overburden	\$ 64.80
Swamp - 1 pit - 4 by 4 by 4 in rock	<u>\$107.52</u>
	\$279.84

AFFIDAVIT

I, Martin Steven Travis, residing at Box 197, Bragg Creek, Alberta hereby state that:

- i) I graduated from the University of British Columbia in 1974 with a Bachelor of Science degree in Geology.
- ii) I have worked in the mining exploration and oil exploration industries for 7 years.
- iii) I have personally examined the TETS group of mineral claims located near Nadina Lake, B.C.
- iv) I did personally examine and describe the diamond drill cores to which the attached report pertains.
- v) The report enclosed is true to the best of my knowledge.

Dated at Calgary on
the 12th day of January, 1981.

Steve Travis
M.S. Travis

DIAMOND DRILL HOLE: J1

DATE COMPLETED: 25/6/80

PROPERTY: Tets Group

LOCATION: 53°52'N 127W

SITE 1: Base 37½E 8½N

DEPTH OF HOLE: 40 feet

ANGLE OF HOLE: 50° down

DIRECTION OF HOLE: N 28 E

RECOVERY: 95%

0 - 1 OVERBURDEN

1 - 33 DACITE - dark green to dark grey; slightly porphyritic with plagioclase and minor quartz phenocrysts; vesicles from 1 - 5 feet lined with chlorite and infilled with calcite. Trace disseminated chalcopryrite from 21 - 24 feet. Pervasive chlorite alteration of mafics. Minor calcite vining with trace chalcopryrite. From 31'-33' frequent ripup clasts of underlying tuff.

33 - 40 TUFF:- red brown; fragments of orthoclase up to 6 mm. Numerous vesicles with calcite infilling. Extensive weathering of mafics to iron oxide. Minor chlorite alteration.

22 - 24 feet assayed at W 5 - CU .081

DIAMOND DRILL HOLE: J2

DATE COMPLETED: 13/7/80

PROPERTY: Tets Group

LOCATION: 53° 52' N 127W

SITE 1

DEPTH OF HOLE: 102 feet

ANGLE OF HOLE: 45° down

DIRECTION OF HOLE: E 18 S

RECOVERY: 95%

- 0 - 11 DACITE - dark grey to dark greenish grey; slightly porphyritic with minor plagioclase and quartz phenocrysts. Extensive chlorite lining vesicles and fractures. Minor calcite infilling of vesicles; pervasive chlorite alteration of mafics within rx matrix. Minor disseminated chalcopyrite and trace pyrite throughout rx matrix.
- 11 - 16 TUFF - red brown on weathered surfaces. Fragments of orthoclase up to 6 mm. Numerous vesicles with calcite infilling. Minor chlorite alteration of some mafic fragments.
- 16 - 18 DACITE - as above. No vesicles.
- 18 - 21 TUFF - as above.
- 21 - 102 DACITE - as above, numerous vesicles from 21 - 23 feet. Minor fracturing and brecciation 23' - 102'. Large calcite and chlorite filled veylets up to 30 mm. wide at 30, 32, 44, 46, 67 and 79. Extensive blebs of pyrite and carbonaceous material in some of the above veylets. Only trace amounts of mafic minerals from 26 - 32, and from 48 - 64.

21 - 102 continued - Minor disseminated chalcopyrite from
22 - 26; 28 - 30; 32 - 36; 44 - 47.

Trace amounts of chalcopyrite disseminated in most
other areas.

12'- 13' assayed # 5 - CU .043

29'- 30' assayed # 5 - CU .030

30'- 31' assayed # 5 - CU .022

46'-47' assayed # 5 - CU .055

DIAMOND DRILL HOLE: J3

DATE COMPLETED: 20/7/80

PROPERTY: Tets Group

LOCATION: 53° 52'N 127W

SITE 1

DEPTH OF HOLE: 52 feet

ANGLE OF HOLE: 60°down

DIRECTION OF HOLE: E18S

RECOVERY: 95%

0 - 2 OVERBURDEN

2 - 10 DACITE - dark grey to dark greenish grey; slightly porphyritic with minor plagioclase and quartz phenocrysts; extensive weathering of mafics to iron oxides down to 4 feet. Very minor mafics from 6'- 10' with extensive chlorite. Minor calcite infilled fractures and trace disseminated pyrite and chalcopyrite in rx matrix.

10 - 18 TUFF - red brown on weathered surfaces, light green on unweathered areas. Fragments of orthoclase up to 6mm. Numerous vesicles with calcite infilling. Minor chlorite alteration of some mafic fragments.

18 - 22 DACITE - as above; trace chlorite alteration

22 - 25 TUFF - as above.

25 - 28.4 DACITE * as above. Numerous vesicles with calcite infilling. Minor brecciation with chlorite alteration of biotite in brecciated areas.

28.4 - 32 TUFF - as above.

32 - 51.6 DACITE - as above. Numerous vesicles and fracturing infilled with calcite to 40'. Minor brecciation and fracturing from 40'- 51.6'. Trace disseminated pyrite and chalcopyrite throughout.

DIAMOND DRILL HOLE: J4

DATE COMPLETED: 23/7/80

PROPERTY: Tets Group

LOCATION: 53°52'N 127W

SITE 1

DEPTH OF HOLE: 15.3 feet

ANGLE OF HOLE: 60°down

DIRECTION OF HOLE: W 28 N

RECOVERY: 60%

0 - 1 OVERBURDEN

1 - 15.3 DACITE - dark grey to dark green. Numerous calcite filled vesicles from 1'- 7' with some calcite weathered out from 3'- 7'. Plagioclase, quartz and biotite phenocrysts common. Slight chlorite alteration of biotite. Minor disseminated pyrite and chalcopyrite.

DIAMOND DRILL HOLE: J5

DATE COMPLETED: 6/8/80

PROPERTY: Tets Group

LOCATION: 53 52'N 127W

SITE 2 - DISTANCE FROM SITE 1 - 60 feet

DIRECTION FROM SITE 1 - N 28 E

DEPTH OF HOLE: 63 feet

ANGLE OF HOLE: 45 down

DIRECTION OF HOLE: E 18 S

RECOVERY: 95%

0 - 63 DACITE - dark brown to dark greenish grey; slightly porphyritic with minor plagioclase and quartz phenocrysts. Calcite infilling of vesicles and fractures. Pervasive chlorite alteration of mafics within rx. matrix. Brecciated zones from 7'- 7.5'; 13'- 14'; 28'-29'; 58'- 59'. Stringers of massive pyrite up to 6 mm wide with carbonaceous material in breccia zone 13'- 14'. Minor amounts of chlorite lining fractures from 50'- 52'. Numerous vesicles from 37'- 50' and 52'- 56'. Trace disseminated chalcopyrite from 0'- 24' and 36'- 63'

DIAMOND DRILL HOLE: J6

DATE COMPLETED: 3/9/80

PROPERTY: Tets Group

LOCATION: 53° 52' N 127W

SITE 3 - DISTANCE FROM SITE 1 - 100 feet

DIRECTION FROM SITE 1 - S

DEPTH OF HOLE: 92 feet

ANGLE OF HOLE: 45° down

DIRECTION OF HOLE: E 28 S

RECOVERY: 95%

0 - 4 OVERBURDEN

4 - 92 SANIDINE TRACHYTE - dark grey to black with colourless to white sanidine phenocrysts up to 15 mm. long. Minor veinlet of calcite and talc usually sub-parallel to hole direction. Disseminated blebs of talc up to 6 mm. wide appear as rare black spots in rock matrix. From 67' - 70' rare vesicles infilled with calcite.

DIAMOND DRILL HOLE: J7

DATE COMPLETED: 21/9/80

PROPERTY: Tets Group

LOCATION: 53°52'N 127W

SITE 4 - DISTANCE FROM SITE 1 - 50 feet

DIRECTION FROM SITE 1 - W 30 N

DEPTH OF HOLE: 12 feet - casing in overburden caved

ANGLE OF HOLE: 70°down

DIRECTION OF HOLE: N 85 E

RECOVERY: nil

DIAMOND DRILL HOLE: J8

DATE COMPLETED: 28/9/80

PROPERTY: Tets Group

LOCATION: 53°52'N 127W

SITE 5 - DIRECTION FROM SITE 1 - W 50 N

DISTANCE FROM SITE 1 - 30 feet

DEPTH OF HOLE: 62 feet

ANGLE OF HOLE: 45°down

DIRECTION OF HOLE: N 78 E

RECOVERY: 95%

0 - 12 OVERBURDEN

12 - 36 DACITE - dark brown to dark grey, slightly porphyritic with plagioclase and minor quartz phenocrysts, extensive weathering of mafics to iron oxide from 12'- 13' gradually decreasing to slight weathering at 36'. Numerous vugs from 12'- 23' lined with chlorite and infilled with calcite. Minor chlorite alteration of biotite with minor amounts of disseminated pyrite assoc. with chlorite. Minor calcite veining with trace chalcopyrite. From 32'- 36' minor disseminations and small stringers of chalcopyrite. From 33'- 36' frequent ripup clasts of underlying tuff.

36 - 41 TUFF - red brown, fragments up to 6 mm. in size.

41 - 62 DACITE - dark grey, slightly porphyritic, contact zone with overlying tuff (41'- 43') well fractured with tuff infilling fractures. Below 43' fractured largely infilled by calcite. Some calcite filled vesicles from

49'-51'. Minor brecciation associated with fracturing. Trace disseminated pyrite and chalcopyrite. Strong chlorite alteration around fractures but only minor in unfractured areas

22 - 23 feet assayed CU .08, AG .02 oz

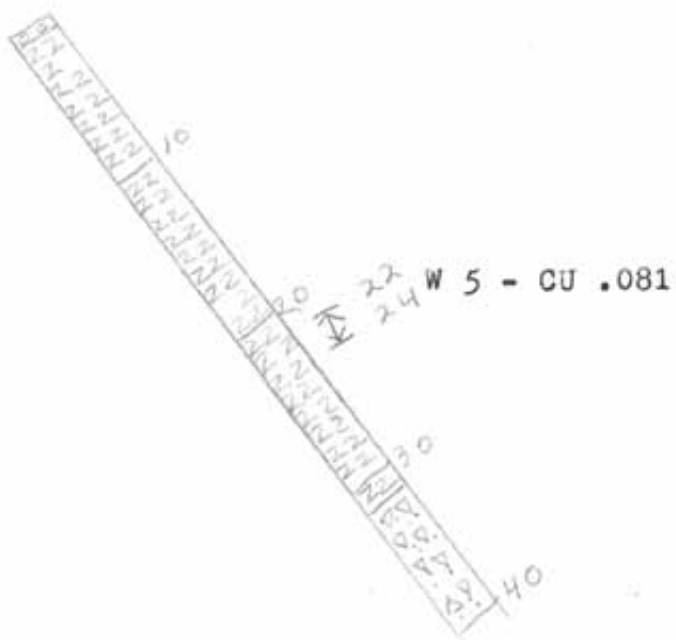
35 - 37 feet assayed CU .14, AG .02 oz, MO .003

43 - 44.6 feet assayed CU .13, AU .002 oz, MO.003

44.6 - 45.6 feet assayed CU .31, AU .002 oz, MO .002

57 - 59 feet assayed CU .20, AG .12 oz, AU .002 oz, MO .003

TETS MINERAL CLAIM GROUP






-  OVERBURDEN
-  DACITE
-  TUFF

FIGURE 3

J. SHELFORD
DIAMOND DRILL HOLE J1
FEB. 5, 1981

TETS MINERAL CLAIM GROUP

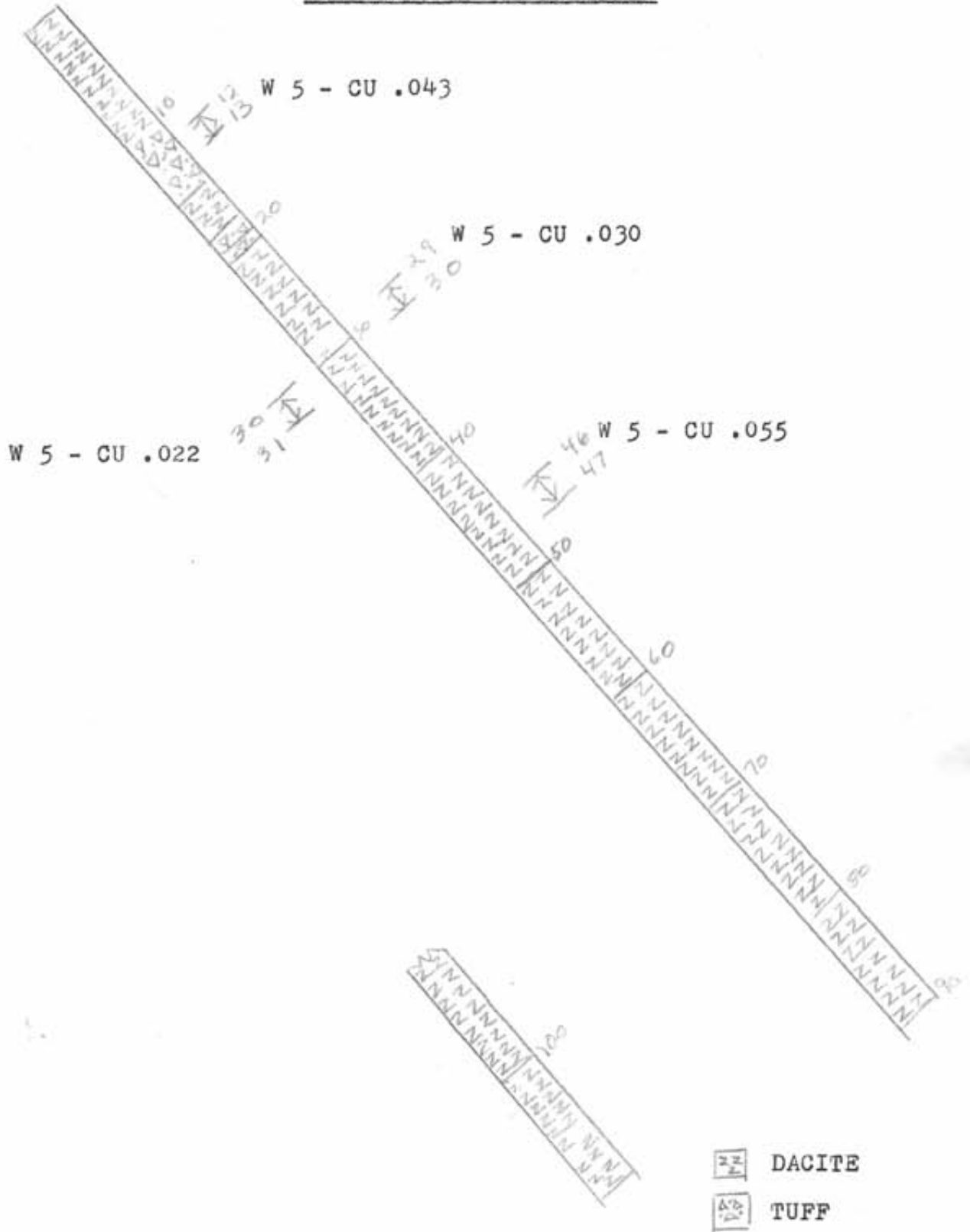


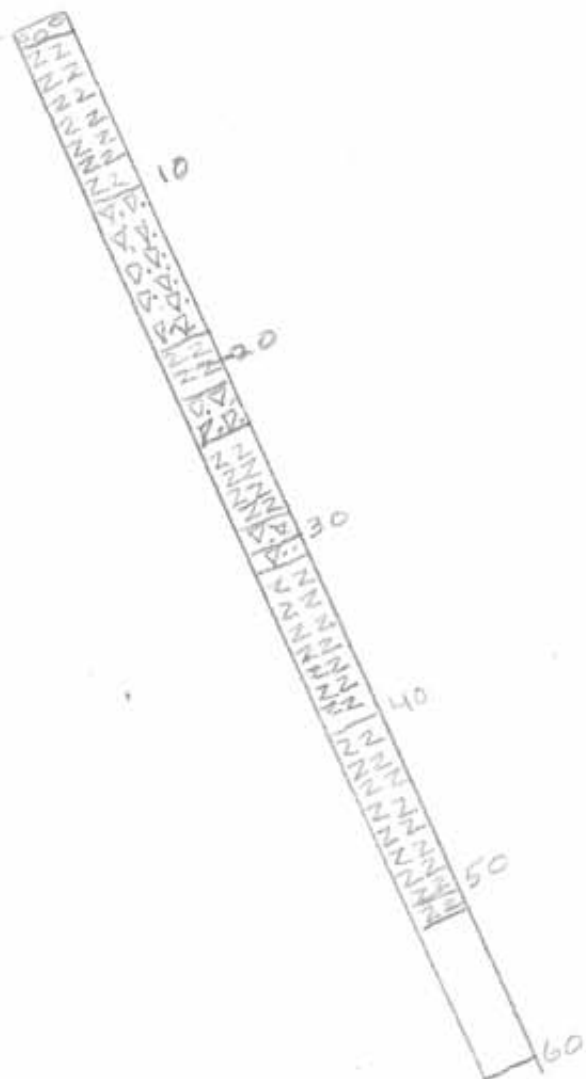
FIGURE 4

J. SHELFORD

DIAMOND DRILL
HOLE J2

FEB. 5, 1981

TETS MINERAL CLAIM GROUP






-  OVERBURDEN
-  DACITE
-  TUFF

FIGURE 5

J. SHELFORD
DIAMOND DRILL HOLE J3
FEB. 5, 1981

TEPS MINERAL CLAIM GROUP



OVERBURDEN



DACITE

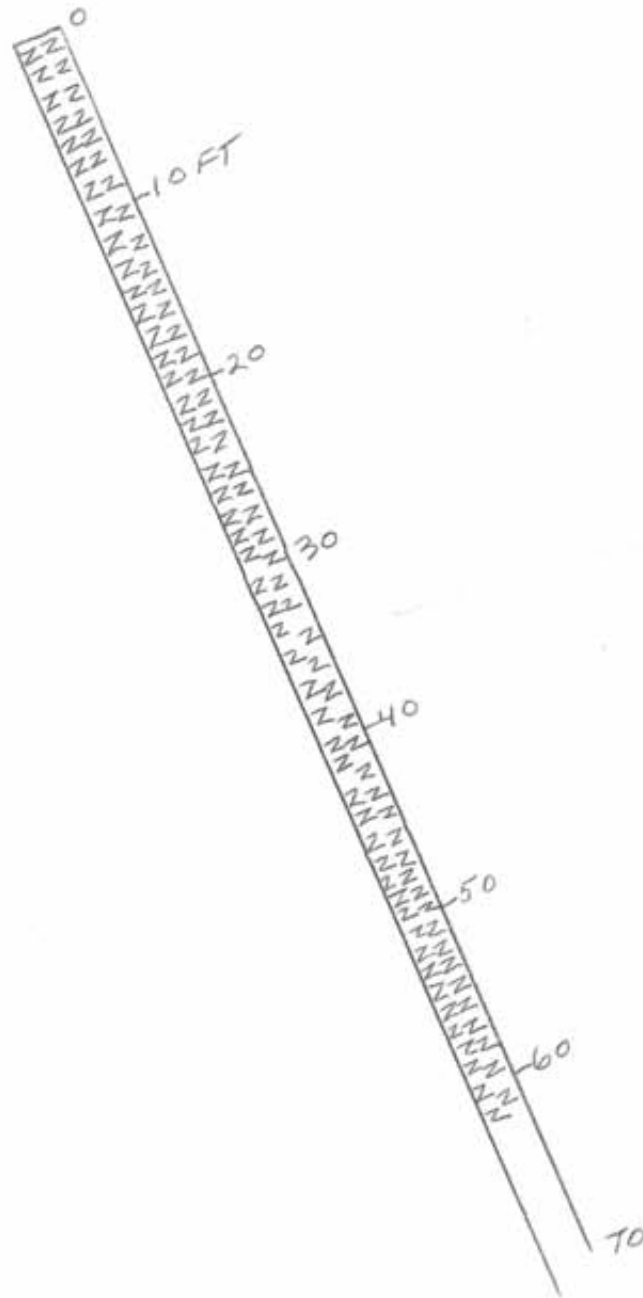
FIGURE 6

J. SHELFORD

DIAMOND DRILL
HOLE J4

FEB. 5, 1981

TETS MINERAL CLAIM GROUP



 DACITE

FIGURE 7

J. SHELFORD

DIAMOND DRILL
HOLE J5

FEB. 5, 1981

TETS MINERAL CLAIM GROUP

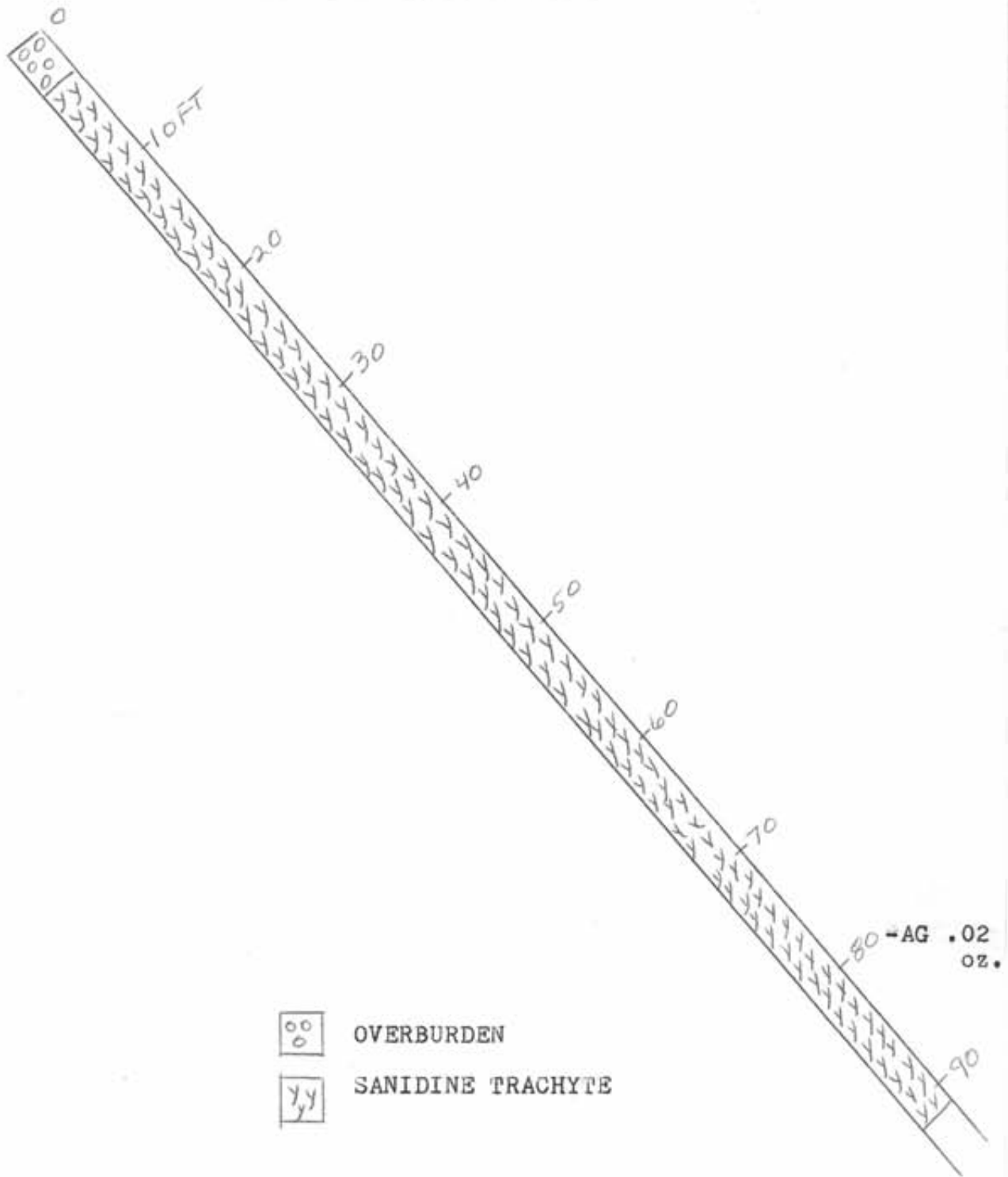


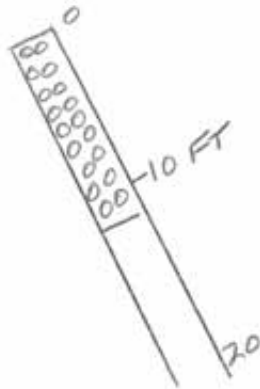
FIGURE 8

J. SHELFORD

DIAMOND DRILL
HOLE J6

FEB, 5, 1981

TETS MINERAL CLAIM GROUP



 OVERBURDEN

FIGURE 9

J. SHELFORD

DIAMOND DRILL
HOLE J7

FEB. 5, 1981

TETS MINERAL CLAIM GROUP

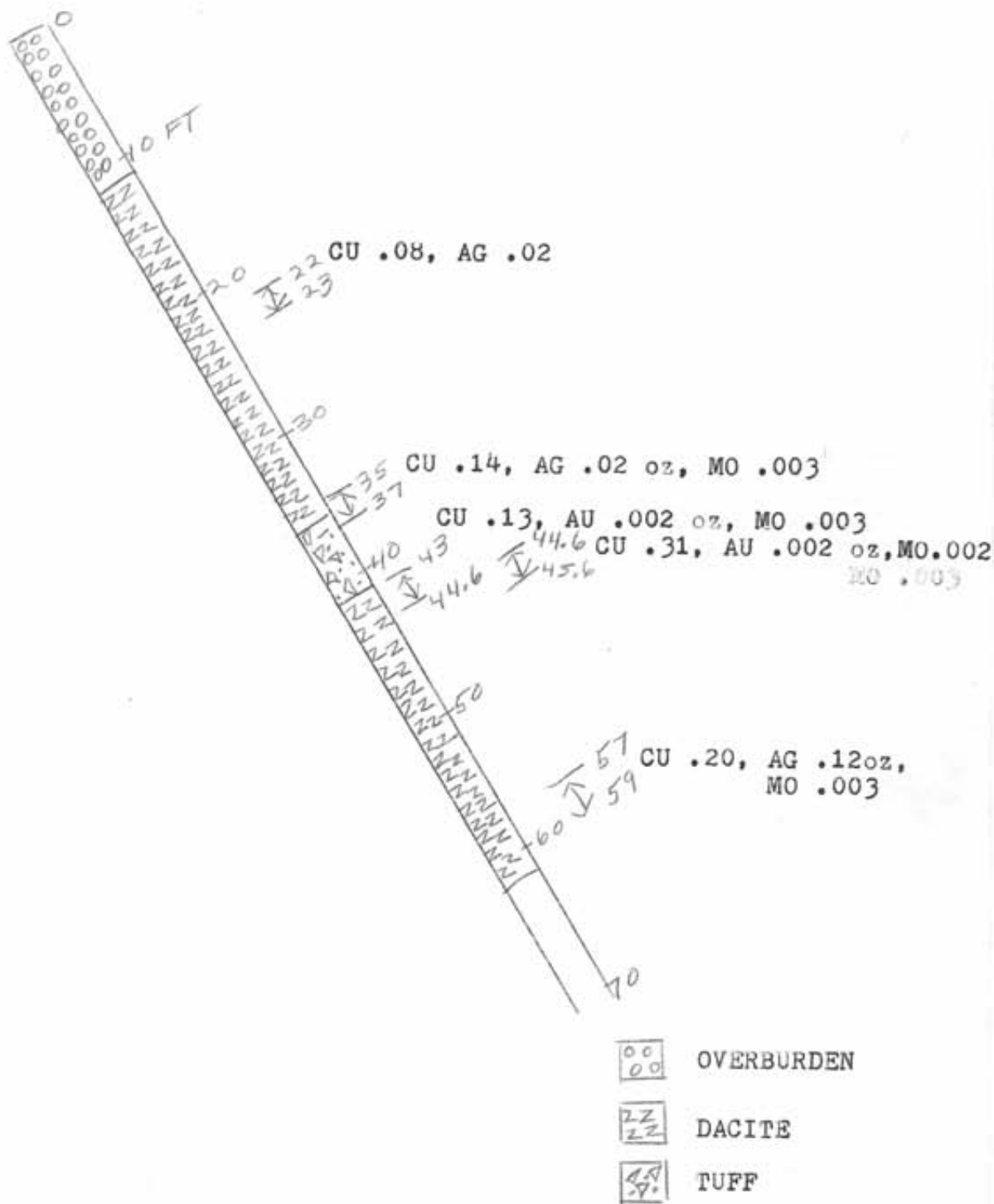
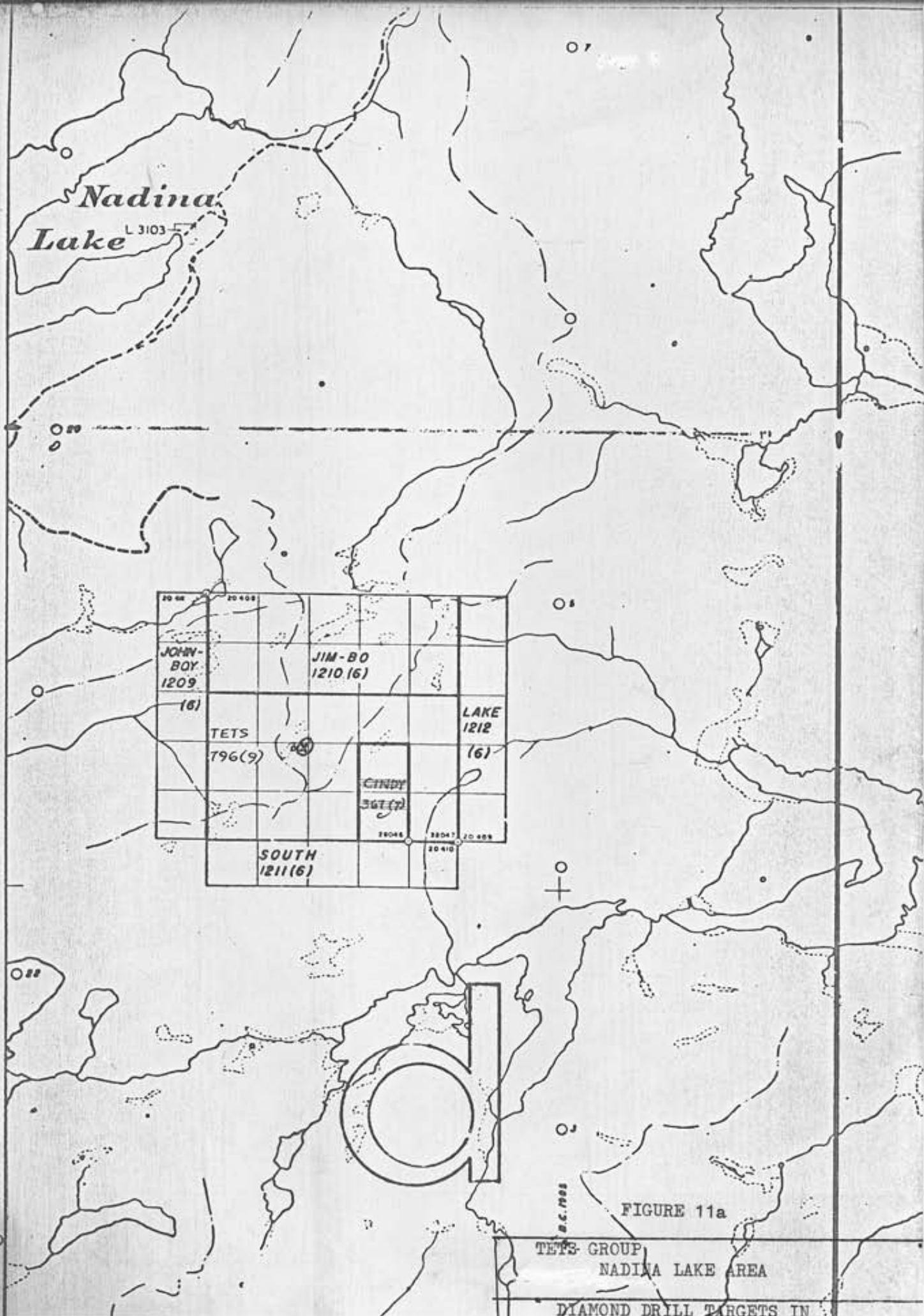


FIGURE 10

J. SHELFORD
DIAMOND DRILL HOLE J8
FEB. 5, 1981

TO WEST SEE MAP 93 E/4 E



⊗ DIAMOND DRILL HOLES
J1-J8

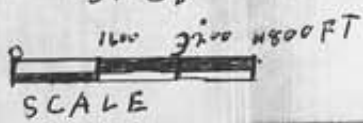


FIGURE 11a
TETS GROUP
NADINA LAKE AREA
DIAMOND DRILL TARGETS IN
RELATION TO CLAIM LINES

J. SHELFORD
BURNS LAKE B.C.

FEB. 6
1981

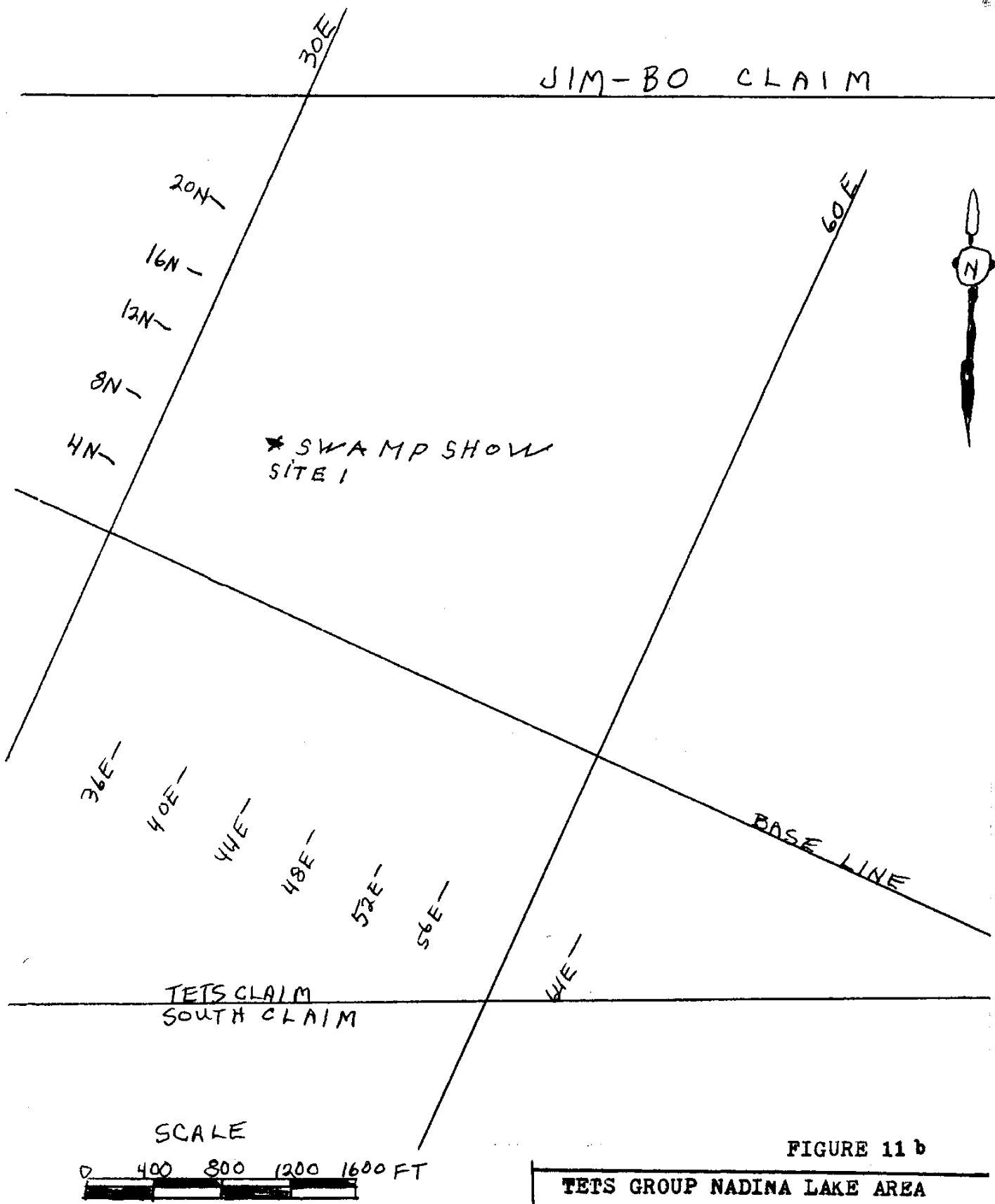
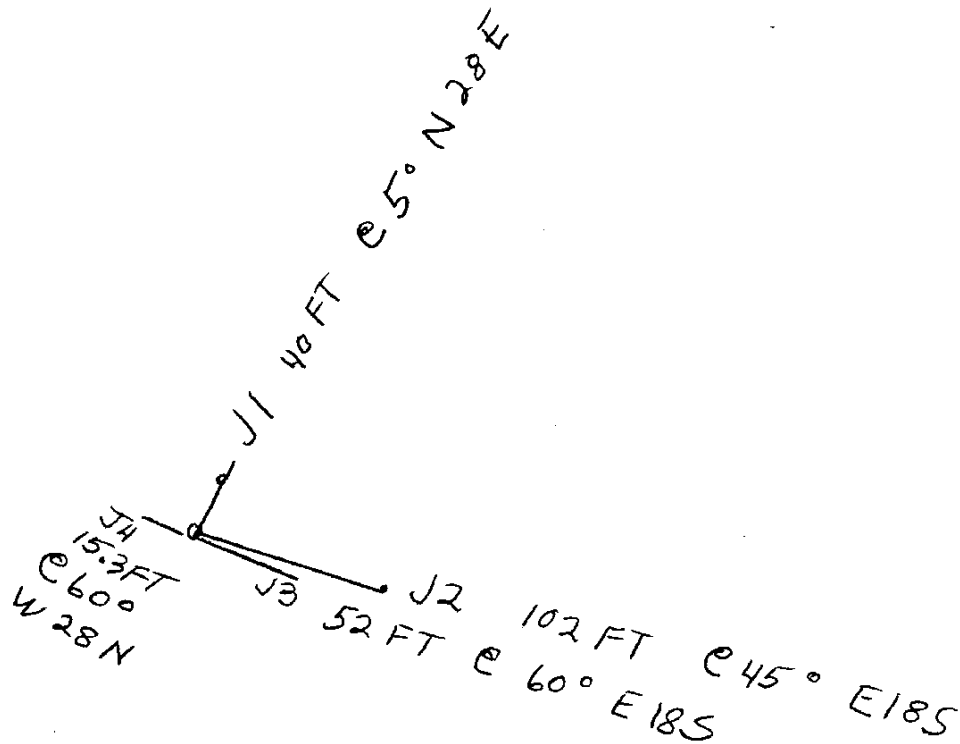


FIGURE 11 b

TETS GROUP NADINA LAKE AREA	
DIAMOND DRILL TARGETS LOCATION MAP	
J. SHELFORD BURNS LAKE	FEB. 6, 1981



SCALE

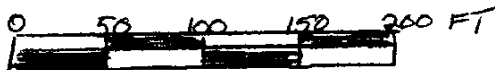


FIGURE 12

TETS GROUP NADINA LAKE AREA	
DIAMOND DRILL SITE 1 SWAMP SHOW	
J. SHELFORD BURNS LAKE	FEB. 6, 1981

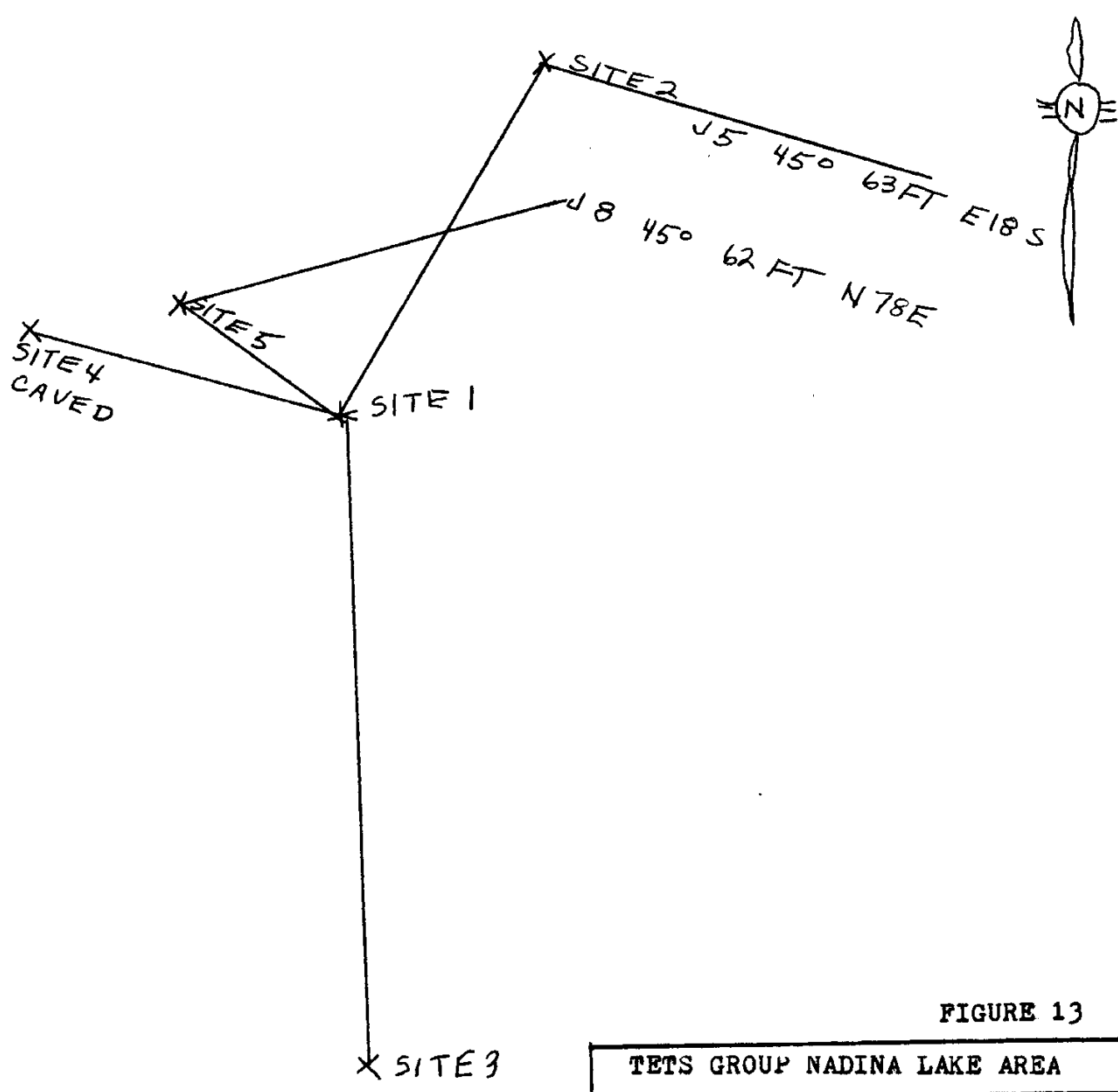


FIGURE 13

TETS GROUP NADINA LAKE AREA	
DIAMOND DRILL HOLES J5 AND J8 SITES 2 - 3 - 4 - 5 IN RELATION TO SITE 1	
J. SHELFORD	FEB. 6, 1981



⊗ SITE 3

J6 92 feet @ 45° E 28S

SCALE

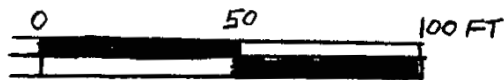


FIGURE 14

TETS GROUP

DIAMOND DRILL HOLE J6
IN RELATION TO SITE 3

J. SHELFORD

FEB. 6, 1981

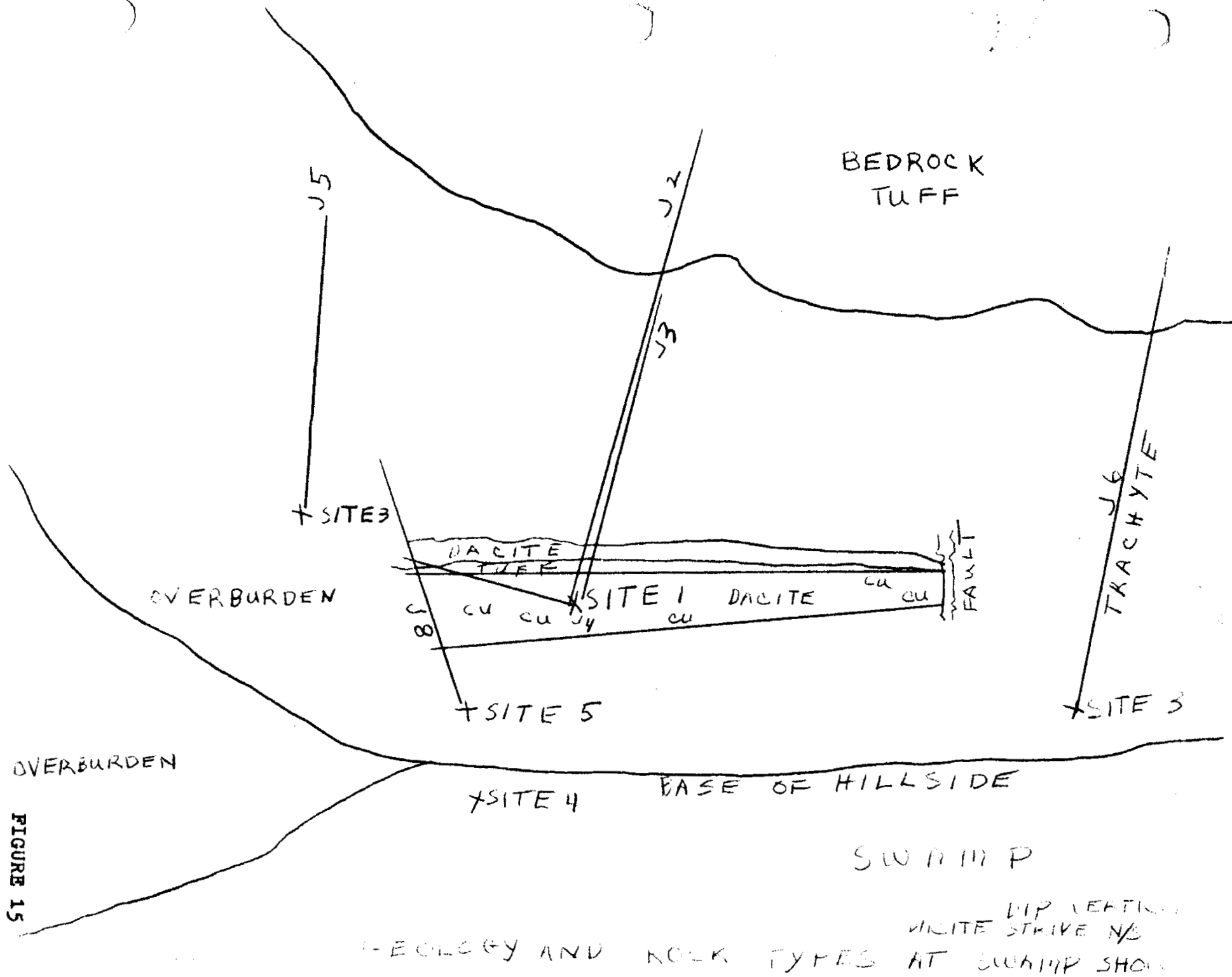


FIGURE 15

GEOLOGY AND ROCK TYPES AT SWAMP SHOW

DIAMOND DRILLING ANALYTICAL RESULTS

<u>D.D. HOLE</u>	<u>DEPTH</u> feet	<u>ASSAY</u> CU %	W P.P.M.	AG oz	MO %	AU oz
J1	22 - 24	.081	5-			
J2	12 - 13	.043	5-			
	29 - 30	.030	5-			
	30 - 31	.022	5-			
	46 - 47	.055	5-			
J6	80			.02		
J8	22 - 23	.08		.02		
	35 - 37	.14		.02	.003	
	43 - 44.6	.13			.003	.002
	44.6 - 45.6	.31			.002	.002
	57 - 59	.20		.12	.003	

Rossbacher Laboratory Ltd.

GEOCHEMICAL ANALYSTS & ASSAYERS

2225 S. SPRINGER AVE.,
BURNABY, B.C.
CANADA
TELEPHONE: 290-6910
AREA CODE: 604

John Sheppard

ASSAY WORKSHEET

NORANDA EXPLORATION CO. LTD.

CLIENT : 1050 DAVIE STREET

CERTIFICATE: 80851

06	Y 5169	WASH 0.01	0.02	11.11			
07	Y 7170	WASH	0.02	20.12	26	8.17	
08	Y 7171	WASH 0.08	0.02	20.12	38	22	
09							
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Rossbacher Laboratory Ltd.

GEOCHEMICAL ANALYSTS & ASSAYERS

2225 5. SPRINGER AVE.,
BURNABY, B. C.
CANADA
TELEPHONE: 299-6910
AREA CODE: 604

CERTIFICATE OF ANALYSIS

TO: Mr. John Shelford
BOX 166
HERNS LAKE, B.C.

CERTIFICATE NO. 80811

INVOICE NO. 1061

DATE RECEIVED Nov. 17, 1960.

DATE ANALYSED

ATTN:

SAMPLE NO.:	Oz/t Au	% Cu	Oz/t Ag
5721 A	0.001	0.14	0.02
5722 A	0.002	0.13	
5723 A	0.002	0.31	
5724 A	0.002	0.20	0.12

Certified by J. Rossbach

