

Tets Group
Work report for 1988
by J. Shelford

Government Agent
MAY 4 1988
BURNS LAW

18732

ARIS SUMMARY SHEET

District Geologist, Smithers

Off Confidential: 90.05.05

ASSESSMENT REPORT 18733

MINING DIVISION: Omineca

PROPERTY: Tets
LOCATION: LAT 53 51 00 LONG 126 57 00
UTM 09 5968564 634855
NTS 093E15W
CLAIM(S): Tets 1-15
OPERATOR(S): Shelford, J.
AUTHOR(S): Shelford, J.
REPORT YEAR: 1989, 23 Pages
COMMODITIES
SEARCHED FOR: Copper, Zinc, Cadmium, Silver
KEYWORDS: Andesite, Volcanic breccia, Pyrite, Chalcopyrite, Sphalerite
WORK
DONE: Drilling, Physical, Geochemical
DIAD 41.5 m 3 hole(s); EX
SAMP 6 sample(s); ME
TREN 8.0 m 1 trench(es)
RELATED
REPORTS: 17343
MINFILE: 093E 084

FILMED



Province of British Columbia

Ministry of Energy, Mines and Petroleum Resources

LOG NO: 0516	RD.
ACTION:	
FILE NO:	

18733

ASSESSMENT REPORT
TITLE PAGE AND SUMMARY

TYPE OF REPORT/SURVEY(S) Diamond Drill and Phisical	TOTAL COST \$8000.00
--	-------------------------

AUTHOR(S) J. Shelford SIGNATURE(S)

DATE STATEMENT OF EXPLORATION AND DEVELOPMENT FILED April YEAR OF WORK 88

PROPERTY NAME(S) Tets Group

COMMODITIES PRESENT cu, zn, cd, ag

B.C. MINERAL INVENTORY NUMBER(S), IF KNOWN

MINING DIVISION Omineca NTS 93 E / I5 W

LATITUDE 126.57E LONGITUDE 53.51 W

NAMES and NUMBERS of all mineral tenures in good standing (when work was done) that form the property [Examples: TAX 1-4, FIRE 2 (12 units); PHOENIX (Lot 1706); Mineral Lease M 123; Mining or Certified Mining Lease ML 12 (claims involved)]:

Tets 796 I- I5 John boy I209 I-5 Jim bo I210 I- I0
South I2 II I-5 Lake I2I2 I-5

OWNER(S) J. Shelford
(1) (2)

MAILING ADDRESS Box I66 Burns Lake B.C.

OPERATOR(S) (that is, Company paying for the work)
J. Shelford
(1) (2)

MAILING ADDRESS
Box I66 Burns Lake B.C.

SUMMARY GEOLOGY (lithology, age, structure, alteration, mineralization, size, and attitude)
GEOLOGICAL BRANCH
ASSESSMENT REPORT

18,733

REFERENCES TO PREVIOUS WORK

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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. In 1980 the writer directed a small drill program which produced useful information.

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."

LOG NO: 0727 RD. 2
 ACTION: Date received report
 back from amendments
 FILE NO:



Fig. 1.
Location Map

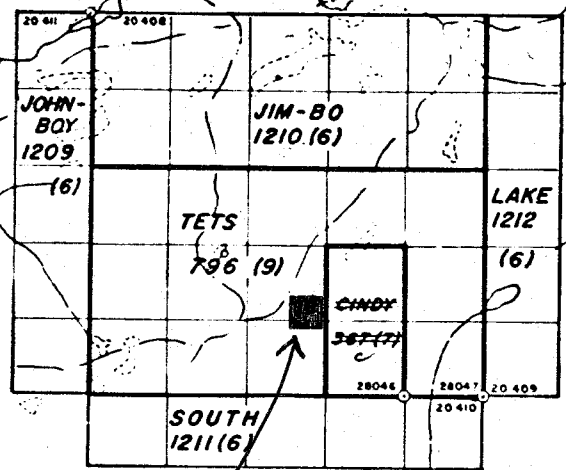
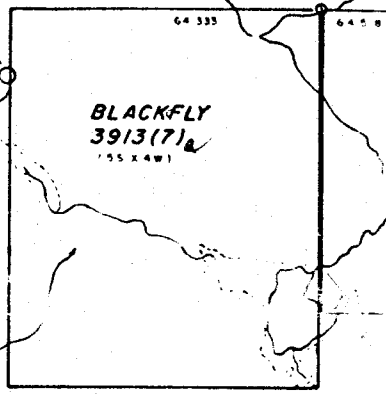
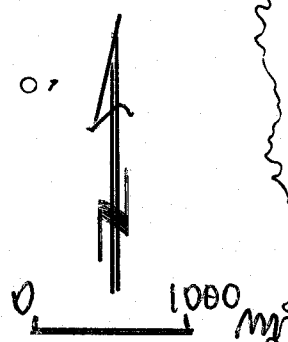
Miles 100 50 0 100 200 Miles

CLAIM MAP 93E15W

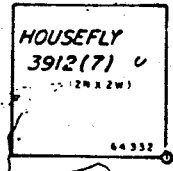
TO WEST SEE MAP 93 E/14 E

Fig. 2

Nadina Lake L 3103

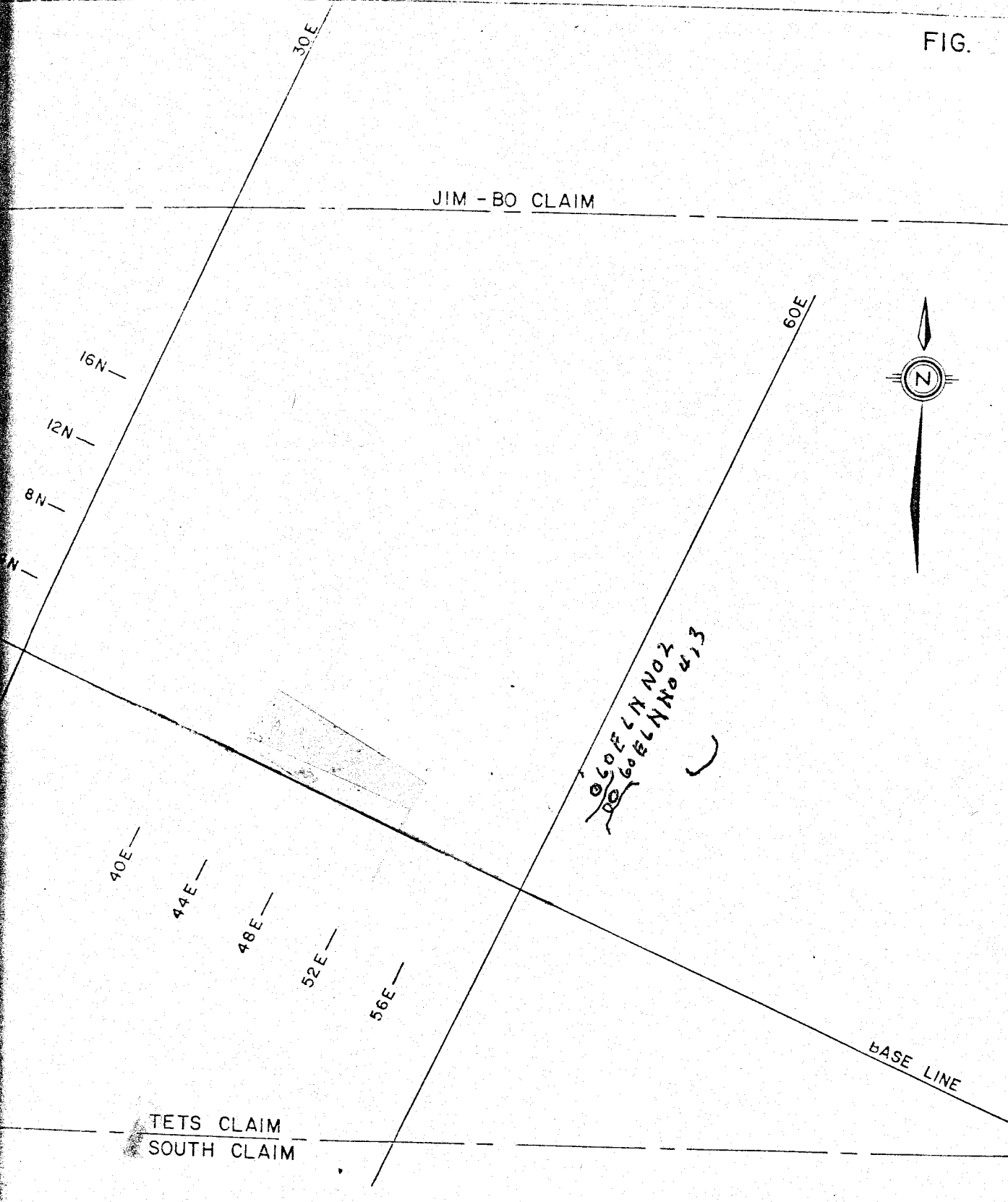


WORK LOCATION



B.C. 1905

JIM - BO CLAIM

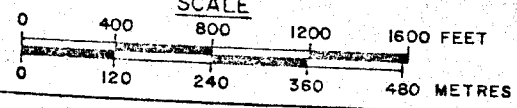


50E LN NO 2
60E LN NO 4, 3

LEGEND

- Rock Trenches
- Rock Pits
- Diamond Drill Holes

SCALE



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 property.

Rock structure appears to strike N/S and dip nearly vertical. Mineral showings appear to dip vertically, but there is a different strike of some showings.

Rock types vary greatly from sediments surrounding the property and encroaching close to alteration areas on the north and south. Rhyolite, dacite, trachyte, tuff, and diorite in andesite occur, and now two areas in a general line stretching E/W from the westerly limit of known mineralization to nearly the easterly limit of mineralization, and nearly parallel to base line, and close to it.

Mineral showings consist of six general areas.

(1) Shovel Show which consists of Shovel Show, Swamp Show, Tets 28 Show, and Base 44 Show. This is the most westerly group.

Shovel Show appears to be a volcanic neck composed of volcanic breccia conglomerate, minor copper minerals visible in it.

Swamp Show is a vein type deposit with a vertical dip and strike N from Shovel Show. This is one of the most stable showings drilled to date with a width of 10-20 ft, containing disseminated chalcopyrite in a gangue which shows signs of containing rock fragments from the neck material. Tets 28 is a vein type deposit, with a vertical dip, and strike S from Shovel Show. Vein material has very clear evidence of rock fragments of hematite included with minerals, which are pyrite, chalcopyrite, sphalerite, galena. Tests at UBC revealed that at least four separate pulses of mineralization occurred.

Base 44 is a fault containing bornite striking E from Shovel Show with a steep dip to the N.

(2) Stump Show, 12 different mineral showings have been found, rocks are mostly tuffs, but some breccia conglomerate is visible, minerals are chalcopyrite, pyrite, bornite, tetrahedrite. Most showings have a N/S strike and a vertical dip.

(3) PUMP Hill rocks mostly andesite, with dykes of diorite. Mineral showings are small and erratic, containing chalcopyrite, bornite, tetrahedrite, and galena. Most showings are close to the diorite.

(4) Base 60E/6N which includes the Grangus Shows. At 61E7N a cone of volcanic breccia conglomerate caps the ridge, it appears to be only 100 ft wide, but appears to get much larger just underground.

60E/6N contains several parallel veins with a S strike from the neck, and a vertical dip. This is in a mixed up mess of highly fractured tuff with breccia conglomerate forced into the country rock, the veins contain mostly sphalerite.

Property Geology continued

The Grangus Shows are 400 ft to the S/E of this area in fractured altered rhyolite, and evidence of breccia conglomerate in place can be found. Mineralization consists of sphalerite rim coating with wolframite, chalcopyrite, greenochite.

(5) Jim Show, which includes Zinc Pitts. Jim Show N/S strike vertical dip containing chalcopyrite, bornite, tetranedrite.

In tuff. Zinc Pitt a glob of mineral containing disseminated sphalerite, bornite, chalcopyrite in tuff.

(6) Emerald Show (4) in tuff. Farthest to the N/E, vein type with a N/S strike and vertical dip containing chalcopyrite, bornite, tetranedrite, and chalcocite.

HISTORY

The Tets claims were first staked in July 1969 by J. Snelford; 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, named Tets claim.

In 1978 John Boy 5 units, Jim Bo 10 units, South 5 units, and Lake 5 units were added, and grouped as the Tets group.

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

In 1980 a small shallow drill program was undertaken in the area known as Swamp Show, which illustrated the dip and strike of the known mineralized area, assisted by some blasting and trenching etc.

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 chalcopryrite. 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-chalcopryrite-tetrahedrite(?) over an area 25 feet by 400 feet, open at both ends."

* - Summary by Sibola staff.

PREVIOUS WORK CONTINUED

Rock stripping and trenching 1979

A total of 1054 cubic feet or 71.5 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 Stamp Show, Base 48 area (DD No. 6 to No. 9), two rock trenches were blasted totalling 1450 cubic feet, and eight pits for 384 cubic feet totalling 1834 ft (58.0)M.

In zone 2 the Bear Show (DD No. 11 to No. 16) three rock trenches and twelve pits 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 pits were blasted for 1122 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 DRILL PROGRAM

Mauro C. Paretta 26985- 100 AVE. Whannook B.C. completed 29 diamond drill holes for a total of 1800 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 done as a result of Ron Stokes

PREVIOUS WORK CONTINUED

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

In 1980 a shallow drill program was done in the Swamp Show area.

In 1981 one drill hole and some trenching was done at the Harry Show, also eight very shallow holes were put in at the Granges Show.

In 1983 a drill program of four shallow drill holes were drilled at Stump Show. Also more trenching and blasting was done, to expose showings and establish a dip and strike..

In 1984 four shallow drill holes were drilled at Stump Show, and a stripping and trenching program was carried out to gain information.

Knowledge gained that apparently structure in the Stump Show area consists of narrow vertical mineralized areas with a N/S strike. Which appears to link up some of the known exposures, and corresponds well with the long IP anomaly at base 49. Stump No 7 appears to be in this anomolus area.

In 1985 the drill was moved to Pump Hill area, one hole drilled and one hole started.

A hole was blasted in the area of an intrusive.

1988 DRILL PROGRAM

Tets Property 93 E / 15 W

During 1988 60E/6 N Hole No 2 was drilled to a depth 62 ft . Hole No 3 to a depth of 65 ft and Hole No 4 to a depth of 11ft.

On July 2 drill equipment was moved in , and drill set up facing W @ 45 ,and Hole No 2 was drilled to a depth of 2 ft .

On July 6 water hole was worked on .Also Iron hole No 1 .

On July 7 hole No 2 was drilled to 6 ft .

On July 11 hole No 2 was drilled to 26 ft , water was lost at 25 ft , so hole was cased to 20 ft .

July 20 hole No 2 was drilled to 52 ft .

Aug 5 hole No 2 was drilled to 62 ft.

On Sept 8 drill and equipment was moved down hill in an easterly direction 50 ft and hole No 3 was collared facing W to N @45 down and drilled to 5 ft , inky black cuttings came out at between 2 and 3 ft.

On Sept 15 hole No 3 was drilled to 15 ft and cased to 15 ft .

On Sept 22 hole No 3 was drilled to 32 ft .

On Sept 29 hole No 3 was drilled to 55 ft , black cuttings came out at 36ft and ground got softer.

Oct 4 hole No 3 was drilled to 65 ft ,cuttings came out pink . A new hole was collared at 55 down facing W to N known as hole No 4 and drilled to 11ft , cuttings came out black at 2 ft for short distance , hole was cased to 2 ft.

On Oct 11 the drill was closed down for the winter as frost became too bad.

Physical Work Report for 1988

One trench was put in at new drill site at 60E /6N.

One pit was put in at the water course at the Grangus Show drainage near water barrels catch system , no bedrock was found , and it is being used as an extra catch system at present.

Iron hole was enlarged with a view to using it as a drill site some time in the future.

List of expenses to substantiate 1988 Drill Program.

Diamond drill rental 13 days @ \$ 100.00 =	\$ 1300.00
Power saw rental	\$ 300.00
Play cat rental	\$ 400.00
Atlas copco rental	\$ 400.00
Transportation	\$ 200.00
fuel for motors	\$ 50.00
oil for motors 15 qts @ 1.89 =	\$ 28.35
Drill crew 13 days @ \$ 90.00 =	\$ 1170.00
Power saw winch rental	\$ 200.00
 total	 \$ 4040.00

1988 DRILL HOLE STATEMENT

60 E / 6 N

Hole	Casing	Depth	Days worked	Dates worked
2	20 ft	62 ft	7	July 2, 6, 7, 11, 20, Aug. 5
3	15 ft	65 ft	5	Sept. 8, 15, 22, 29, Oct. 4.
4	2 ft	11ft	1	Oct. 4
---	---	---	---	
3	37 ft	138 ft	13	

37 ft casing @ \$ 40.00 = \$ 1480.00
 138ft diamond drilling @ \$ 25.00 ft = \$ 3450.00
 total \$ 4930.00

Additional Expenses

Core storage building 7 x 8 ft = 56 sq ft @ \$ 18.00
 = \$1053.00
 Core boxes @ \$ 15.00 = \$ 60.00
 total \$ 1113.00

1988 Physical Work Statment

1 trench 25 ft x 6 ft x 4 ft = 600 cu ft @ \$ 1.70 = \$ 1020.00
 1 pitt 10 x 6 x 6 ft = 360 cu ft @ \$ 1.70 = \$ 612.00
 1 pitt enlarged 4 x 4 x 4 ft = 64 cu ft @ \$ 1.70 = \$ 112.20
 total \$ 1744.20

Tets Group

List of claims and Distribution of Work

Claim	Record No	Valid to	Record date	Work credits applied for
Tets I- I5	796	1992	Sept.	I year
John- Boy I-5	I209	1989	June	I year
Jim - Bo I- Io	I2I0	1989	June	I year
South I- 5	I2II	1989	June	I year
Lake I-5	I2I2	1990	June	I year

~~Note. Withdrawal of \$ 212.80 from P.A.C. applied~~ JCS
~~for.~~ Note. addition of \$ 187.20 to PAC
 This leaves a balance of \$ 35125.65 in P.A.C.

Comments

Core is stored at the residence of J. Shelford.
 Further drilling in 1988 continued to indicate that
 the brecciated zone at 60 E- 6N is associated with
 all the brecciation in the Grangus area.

APPENDIX 5. Statement of Qualifications

Relevant Training

B.Sc. (1970) Pennsylvania State University
University Park, Pa., USA
Geological Sciences

M.Sc. (1973) University of Toronto
Toronto, Ontario, Canada
Geochemistry

Relevant Experience

1973 - 1980 Exploration and Mine Geologist
Cominco Ltd.
Vancouver and Yellowknife

1980 - 1982 Exploration Geologist
Noranda Exploration Co., Ltd.
Yellowknife, N.W.T.

1982 - 1983 Exploration Geologist
Noranda Exploration Co., Ltd.
Smithers, B.C.

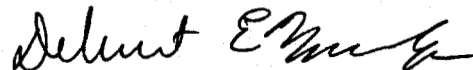
1983 - Exploration Geologist
Noranda Exploration Co., Ltd.
Prince George, B.C.

Professional Affiliations

Fellow, Geological Association of Canada

Member, Association of Professional Engineers,
Geologists, and Geophysicists of the Northwest
Territories

Member, Canadian Institute of Mining and Metallurgy



Delbert E. Myers, Jr.
Project Geologist
15 January 1988

17 APR 89

NORANDA EXPLORATION CO. LTD.
TETS PROPERTY

PAGE 1

N.T.S. 93 E/15 W
D R I L L L O G F I L E : TETS.DLF

HOLE: 88-2

LATITUDE :	600.000 N	SECTION NUMBER:	
DEPARTURE:	6000.000 E	DATE LOGGED:	30/03/89
ELEVATION:	0.000	LOGGED BY:	DEM
AZIMUTH :	270.00 DEG	LAST UPDATE:	17/04/89
DIP :	45.00 DEG		
HOLE LENGTH:	63.00		

S U R V E Y I N F O R M A T I O N

CORE	TEST	AZIMUTH	DIP
FOOTAGE	TYPE		
0.00		270.00	45.00

G E O L O G Y I N F O R M A T I O N

INTERVAL	MAJOR	SUB	INT	DETAILED DESCRIPTION
FROM	UNIT	UNIT	NO.	
(FT)	(FT)			
0.00	61.00			ANDESITE: (54-61% Recovery) Very fine to fine grained, greenish gray to dark greenish gray to pale greenish gray, massive to pillowed(?), minor bleached, silicified(?) zones, minor fractured and brecciated intervals, trace chalcopyrite (<1/4 %) throughout, minor calcite-hematite veinlets, some with colloform textures.
61.00	63.00			VOLCANIC BRECCIA: (75% Recovery) As in hole #3
--- END OF HOLE ---				

Core drilled & delivered by John Shelford
Logged 30 March 89 by D. E. Myers, Jr.

Del Myers

17 APR 89

NORANDA EXPLORATION CO. LTD.
TETS PROPERTY

PAGE 2

N.T.S. 93 E/15 W
D R I L L L O G F I L E : TETS.DLF

HOLE: 88-3

LATITUDE :	600.000 N	SECTION NUMBER:	
DEPARTURE:	6050.000 E	DATE LOGGED:	30/03/89
ELEVATION:	0.000	LOGGED BY:	DEM
AZIMUTH :	280.00 DEG	LAST UPDATE:	17/04/89
DIP :	45.00 DEG		
HOLE LENGTH:	63.00		

S U R V E Y I N F O R M A T I O N

CORE FOOTAGE	TEST TYPE	AZIMUTH	DIP
0.00		280.00	45.00

G E O L O G Y I N F O R M A T I O N

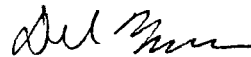
INTERVAL FROM (FT)	TO (FT)	MAJOR UNIT	SUB UNIT	INT NO.	DETAILED DESCRIPTION
--------------------------	------------	---------------	-------------	------------	----------------------

0.00 63.00

VOLCANIC BRECCIA:
(95% Recovery)
Green, very fine grained andesitic matrix with multicolored volcanic fragments of rhyolitic to andesitic composition, average composit of unit, dacitic minor quartz and calcite veinlets, breccia fragments to 30 cm diameter, minor pale brown sphalerite at 2' in breccia matrix. Trace sph at 7', 32', 35', 37' Trace cpy at 12', 25'; minor py throughout (<1/2%); trace galena at 37'.

--- END OF HOLE ---

Core drilled & delivered by John Shelford
Logged 30 March 89, D. E. Myers, Jr.



17 APR 89

NORANDA EXPLORATION CO. LTD.
TETS PROPERTY

PAGE 3

N.T.S. 93 E/15 W
D R I L L L O G F I L E : TETS.DLF

HOLE: 88-4

LATITUDE :	600.000 N	SECTION NUMBER:	
DEPARTURE:	6105.000 E	DATE LOGGED:	30/03/89
ELEVATION:	0.000	LOGGED BY:	DEM
AZIMUTH :	280.00 DEG	LAST UPDATE:	17/04/89
DIP :	45.00 DEG		
HOLE LENGTH:	7.00		

S U R V E Y I N F O R M A T I O N

CORE FOOTAGE	TEST TYPE	AZIMUTH	DIP
0.00		280.00	45.00

G E O L O G Y I N F O R M A T I O N

INTERVAL FROM (FT)	TO (FT)	MAJOR UNIT	SUB UNIT	INT NO.	DETAILED DESCRIPTION
--------------------------	------------	---------------	-------------	------------	----------------------

0.00 7.00

VOLCANIC BRECCIA:
As in Hole #3.
Minor pyrite throughout (<1/2%)

--- END OF HOLE ---

Core drilled & delivered by John Shelford
Logged 30 March 89 by D. E. Myers, Jr.

Del Myers

lets (SM)

ACME ANALYTICAL LABORATORIES LTD.

852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN PB SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM. - SAMPLE TYPE: Core AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: MAR 31 1989

DATE REPORT MAILED: April 4/89

SIGNED BY: [Signature] D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

NORANDA EXPLORATION CO. LTD. PROJECT 8904-004 240 File # 89-0698

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au*
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM	
19958	1	431	11	102	.6	80	19	4287	8.21	13	5	ND	1	42	8	2	2	106	7.13	.026	7	108	1.27	38	.02	2	3.66	.05	.06	1	1
19959	1	101	2	101	.3	113	27	1087	4.93	14	5	ND	1	104	5	2	2	90	5.98	.025	3	106	2.18	88	.17	4	4.88	.34	.03	1	3
19960	4	133	292	15796	2.9	90	45	2435	4.30	172	5	ND	1	54	68	5	2	73	11.93	.026	6	61	1.22	58	.01	6	1.64	.02	.07	2	1
19961	1	198	2	256	.2	24	4	2098	1.69	8	5	ND	1	33	1	2	2	47	9.25	.023	5	29	.26	22	.01	2	.68	.09	.04	1	1
19962	2	10	8	450	.1	14	5	2646	2.37	69	5	ND	1	96	3	2	2	36	13.99	.023	8	19	.51	66	.02	2	.84	.04	.11	1	1
19963	1	32	2	255	.2	23	12	1856	3.75	14	5	ND	2	26	3	2	5	70	5.99	.031	8	35	.75	41	.01	2	1.35	.07	.06	1	1

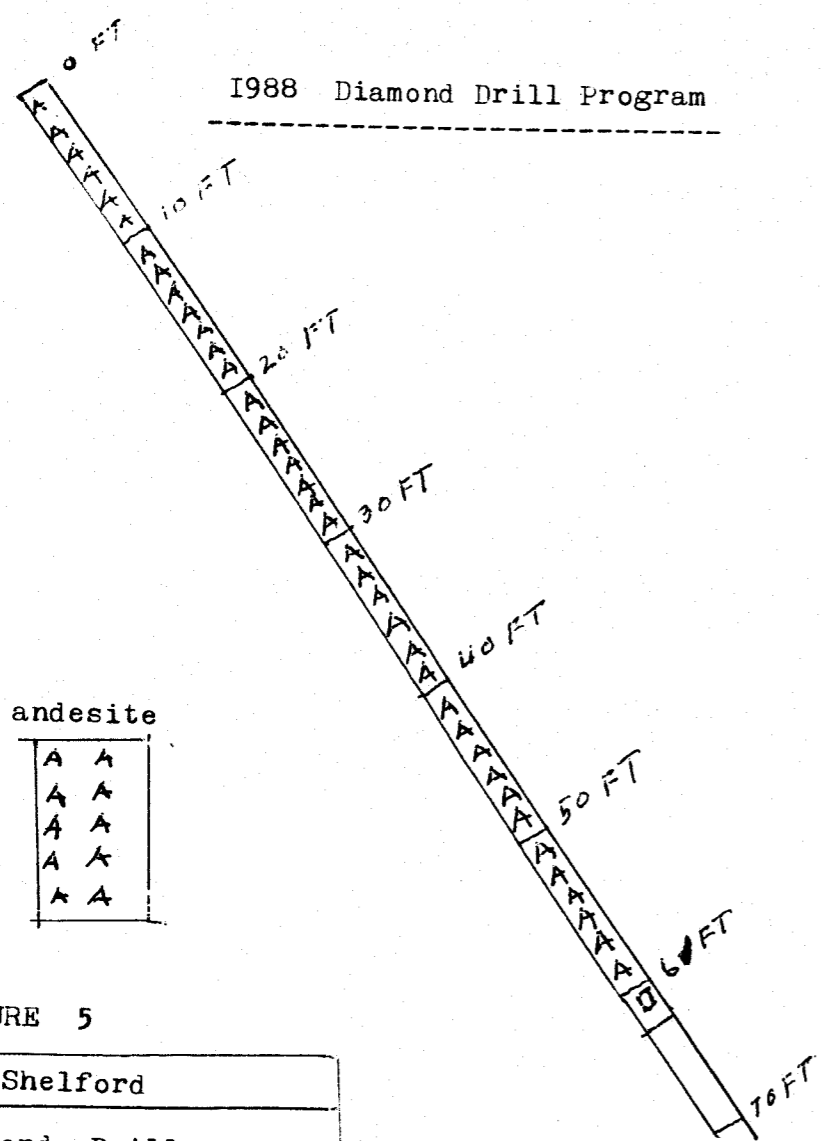
ASSAY REQUIRED FOR CORRECT RESULT -

RECEIVED
APR 11 1989

Copy to Del

- 20 -

1 FT = 0.305 M



andesite

A	A
A	A
A	A
A	A
A	A

Volcanic Breccia

□	□
□	□

FIGURE 5

J.Shelford
Diamond Drill Hole 60E / 6 N No 2
April 15 1989

Volcanic Breccia

□	□
□	□
□	□
□	□

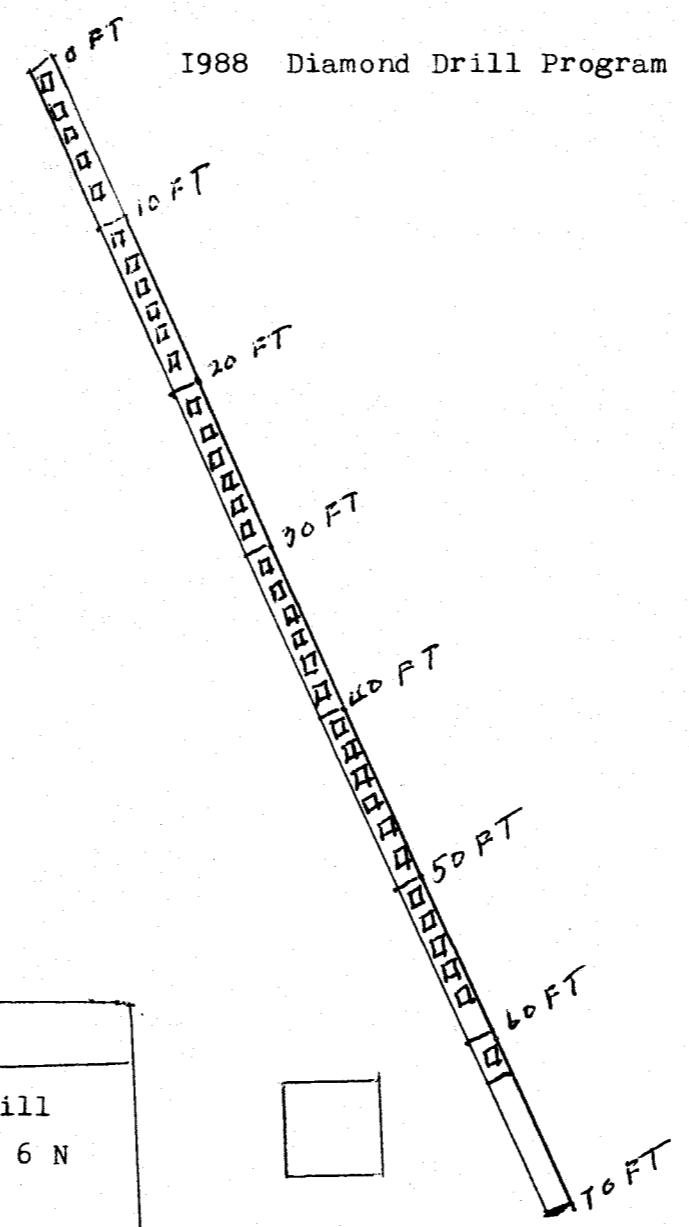


FIGURE 6

J.Shelford
Diamond Drill Hole 60 E / 6 N No 3
April 15 1989

1988 Diamond Drill Program

Volcanic Breccia

□	□
□	□

FIGURE 7

J.Shelford
Diamond Drill Hole 60 E / 6 N No 4
April 15 1989

Volcanic Breccia

□	□
□	□