

ARIS SUMMARY SHEET

District Geologist, Nelson

Off Confidential: 92.03.07

ASSESSMENT REPORT 21066

MINING DIVISION: Golden

PROPERTY: Tatler

LOCATION: LAT 50 25 00 LONG 116 29 00

UTM 11 5584868 536708

NTS 082K08W

CLAIM(S): Pheonix, Great Northern, Iron Mask, Broken Hill, North Light, Imperial  
Copper King, White Bear, Tat 1

OPERATOR(S): Hicks, K.E.

AUTHOR(S): Tribe, N.

REPORT YEAR: 1990

COMMODITIES

SEARCHED FOR: Copper, Gold, Silver, Lead, Zinc

KEYWORDS: Hadrynian, Toby Formation, Mount Nelson Formation, Conglomerates  
Quartzites, Argillites, Limestones

WORK

DONE: Prospecting

PROS 200.0 ha

MINFILE: 082KSE003, 082KSE004, 082KSE005, 082KSE006

**SUB-RECORDER  
RECEIVED**  
MAR 07 1991  
M.R. #.....\$.....  
VANCOUVER, B.C.

LOG NO: <i>March 12/91</i> RD.
ACTION:
FILE NO:

ASSESSMENT REPORT

ON THE

TATLER GROUP

NTS 82K/7E AND 82K/8W

LATITUDE 50 DEGRÉES 30 MINUTES NORTH

LONGITUDE 116 DEGREES 30 MINUTES WEST

GOLDEN MINING DIVISION

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

BRITISH COLUMBIA

for

Kenneth E. Hicks

**21,066**

Norm Tribe P. Eng.

Dec. 15, 1990

ASSESSMENT REPORT  
ON THE  
TATLER GROUP  
GOLDEN MINING DIVISION  
BRITISH COLUMBIA

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## ASSESSMENT REPORT

ON THE

TAILER GROUP

### SUMMARY

This report is based on short field trip to the property on October 2nd, 3rd, and 4th of 1990. The property is located 35 km. west of Invermere B.C., can be accessed by road up Horsethief Creek and Farnham Creek or by helicopter from Invermere. The property consists of ten (10) reverted crown grants, and one (1) mineral claim consisting of twenty (20) units.

The mineralization is localized along fault structures in limey sediments and in replacement bodies associated with these structures.

There are eight documented showings and numerous other undocumented occurrences. There are reported at least four adits and a 15 meter shaft in various locations on the property.

### INTRODUCTION

This report is based on information taken from the government Minfile, Assessment Reports, the engineering reports filed with the USE for Silver Falls Resources Ltd. by Tom Tough P.Eng. and from the information derived while staking the surrounding mineral claims in April of 1990, and

For three days of field reconnaissance on and around the claims early in October of 1990.

The purpose of the work was mainly reconnaissance in nature, oriented toward identifying and flagging the known showings and testing some of the lesser quartz vein systems along the Mineral King Fault. The field trip in October was cut short by an early snow storm which made traverses in the area hazardous.

#### LOCATION ACCESS AND TOPOGRAPHY

The property is located in the Purcell Mountain Range approximately 35 kilometers southwest of the town of Invermere. Invermere is situated on Highway 95, between Golden and Cranbrook. The property can be reached by road up the Toby Creek Forest Service Road turning into the Delphine Creek road, beyond the Panorama Ski Resort to the eastern edge of the property. A second road up the Horsethief Creek Forest Service Road and Farnham Creek Roads accesses the western side of the property, however the Forest Service has removed the bridges on Farnham Creek and although Farnham Creek is fordable, this creek can only be forded at low water. The central portion of the property is along the Black Diamond Mountain ridge onto which road access has not yet been established. Access about this central portion is by foot or by helicopter. Helicopter charter service is available from Frontier Helicopter out of Invermere about ten minutes flying time away.

YUKON TERRITORY



WHITEHORSE

WATSON LAKE

BRITISH

TATLER GROUP

PRINCE RUPERT

PRINCE GEORGE

COLUMBIA

BELLA COOLA

KAMLOOPS

VANCOUVER

PENTICTON

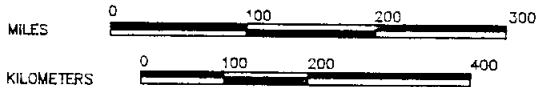
CRANBROOK

VICTORIA

UNITED STATES

SHT RESOURCE SYNDICATE

TATLER GROUP  
LOCATION MAP



Scale : 1:50,000      Drawn by: N.L.T.      Figure Number 1  
Date: \_\_\_\_\_

N.TRIBE & ASSOC. LTD.



The topography is steep to precipitous with elevations ranging from 1800 m. to 2800 m.

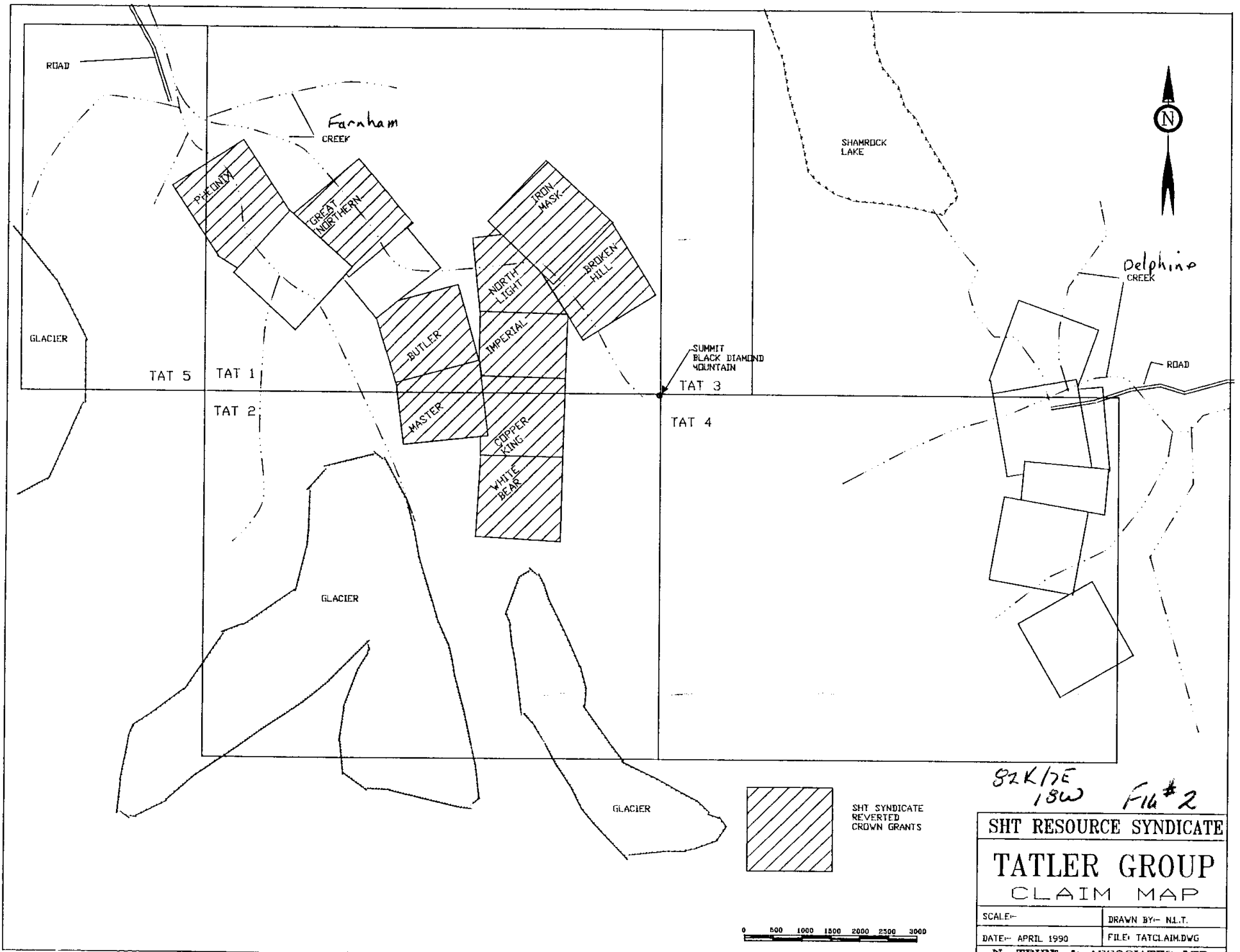
## CLAIMS

The claims are listed below:

LOT	NAME	TITLE	UNITS
9987	WHITE BEAR	REVERTED C.G.	1
9988	COPPER KING	"	1
9989	BUTLER	"	1
9990	MASTER	"	1
9991	IRON MASK	"	1
9992	BROKEN HILL	"	1
9993	IMPERIAL	"	1
9994	NORTH LIGHT	"	1
5358	GREAT NORTHERN	"	1
5359	PHOENIX	"	1
	TAT 1	MINERAL CLAIM	20
TOTAL UNITS			30

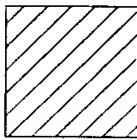
## HISTORY

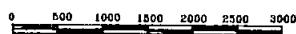
The Tatler showings were discovered in the 1890's when prospectors came across spectacular copper staining on the north west side of Black Diamond Mountain. Sporadic work was carried out until 1924 when a tunnel contract was let to establish underground access to the high grade silver veins on the Broken Hill Crown Grant. The adit was completed to 100 feet in 1925 but no ore was reported to have been shipped. A crosscutting adit was driven from the 2300 m. elevation to about 400 feet but the vein was not intersected



82K/7E  
18W File #2

SHT RESOURCE SYNDICATE	
TATLER GROUP	
CLAIM MAP	
SCALE:-	DRAWN BY:- N.L.T.
DATE:- APRIL 1990	FILE:- TATCLAIM.DWG
N. TRIBE & ASSOCIATES LTD.	

 SHT SYNDICATE  
REVERTED  
CROWN GRANTS



(this may be the same adit as is reported in later reports on the Butler-Master Claim boundary or there may be two crosscuts). A small structure was cut and sampled by the government geologist. Two other short adits have been established.

In 1968 Jumbo Mines Ltd. drilled 5 holes for a total of 1456 feet on the Worlds Fair Crown Grant (now held by Cominco). Results of that drilling were not encouraging. Jumbo Mines also did some 11 miles of VLF E.M. surveys outlining several anomalies.

#### GEOLOGY

The eastern and central portions of the Purcells are characterized by the weakly metamorphosed sediments of the Purcell and Windermere Systems. The strata are generally folded into a broad north plunging anticline with minor folds superimposed on the major structure. Normal faulting is common and some thrust faults are present on the eastern flank of the Purcells. The major fault is the Purcell Fault which strikes northwesterly and dips approximately 40 degrees west. Many faults trend east-west in an en echelon pattern.

Along the western portion of the Purcell Range lie the highly deformed and metamorphosed rocks of the Horsethief Creek, Hamil and Lardeau series. To the south lie older rocks of the Purcell System: the Aldridge, Creston, Kitchner-Siyeh, Dutch Creek and Mt. Nelson formations.

There are a few minor, concordant syntectonic quartz

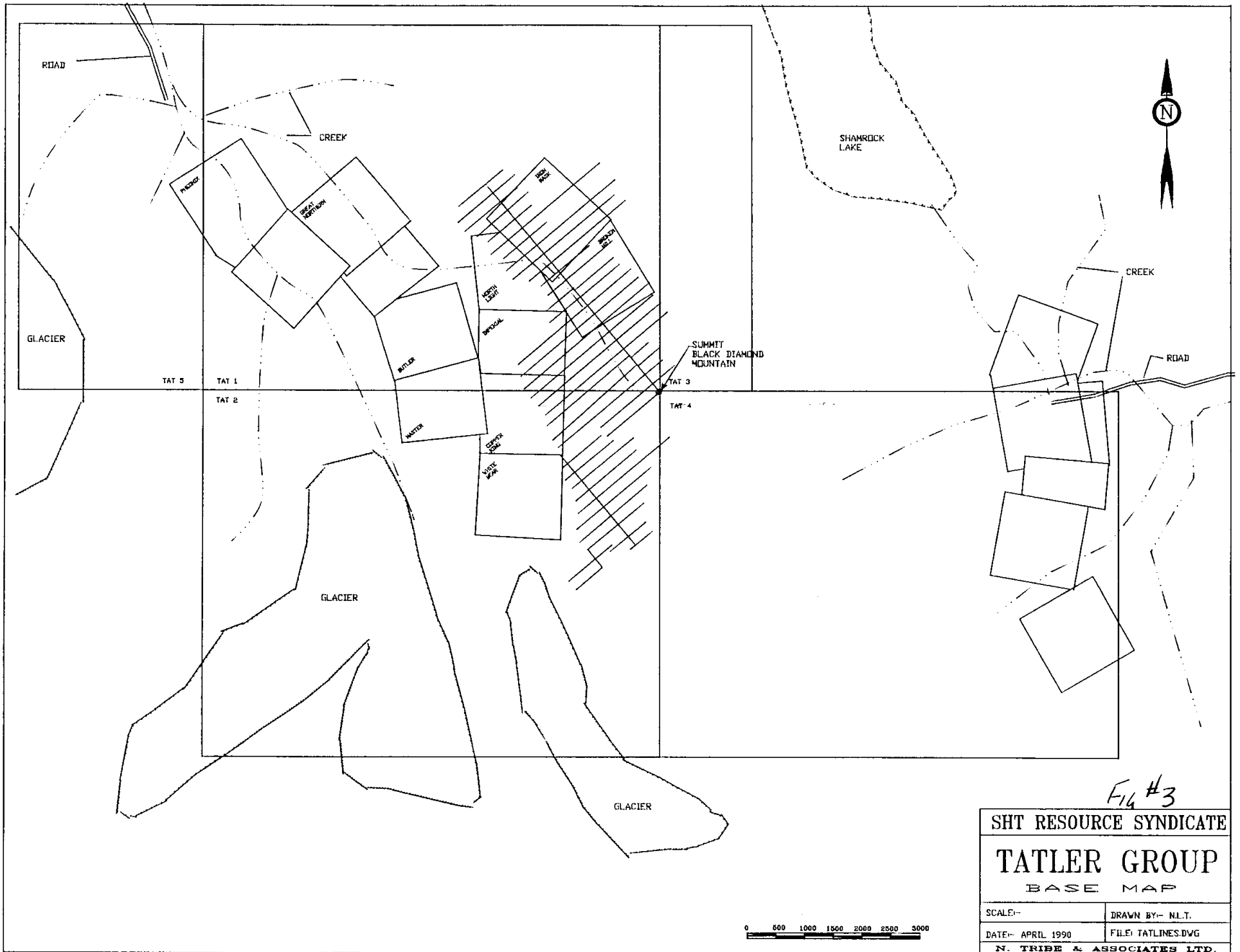
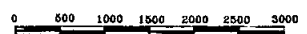


Fig #3

SHT RESOURCE SYNDICATE	
<b>TATLER GROUP</b>	
BASE MAP	
SCALE:-	DRAWN BY:- N.L.T.
DATE:- APRIL 1990	FILE: TATLINES.DWG
N. TRIBE & ASSOCIATES LTD.	



diorite bodies. The East Kootenay Batholith, the Bugaboo and Starbird Ridge stocks are the three major intrusives in the area.

The rocks of the Franham Creek area are those of the Toby and Mt. Nelson Formations, and consist of conglomerates quartzites argillites and limestone. Sericitization is a common alteration feature in the area.

The main structure is anticlinal and covers the eastern and central portions of the property. On the western flank, the strata are intensely contorted into a series of chevron and recumbent folds which strike northwesterly. Several near vertical fissures are present and although narrow are mineralized with quartz, barite and sulphide minerals. Replacement bodies tend to form wherever the mineralized shear veins intersect favourable horizons within the Mt. Nelson dolomite.

#### KNOWN SHOWINGS AND TESTED MINERALIZATION

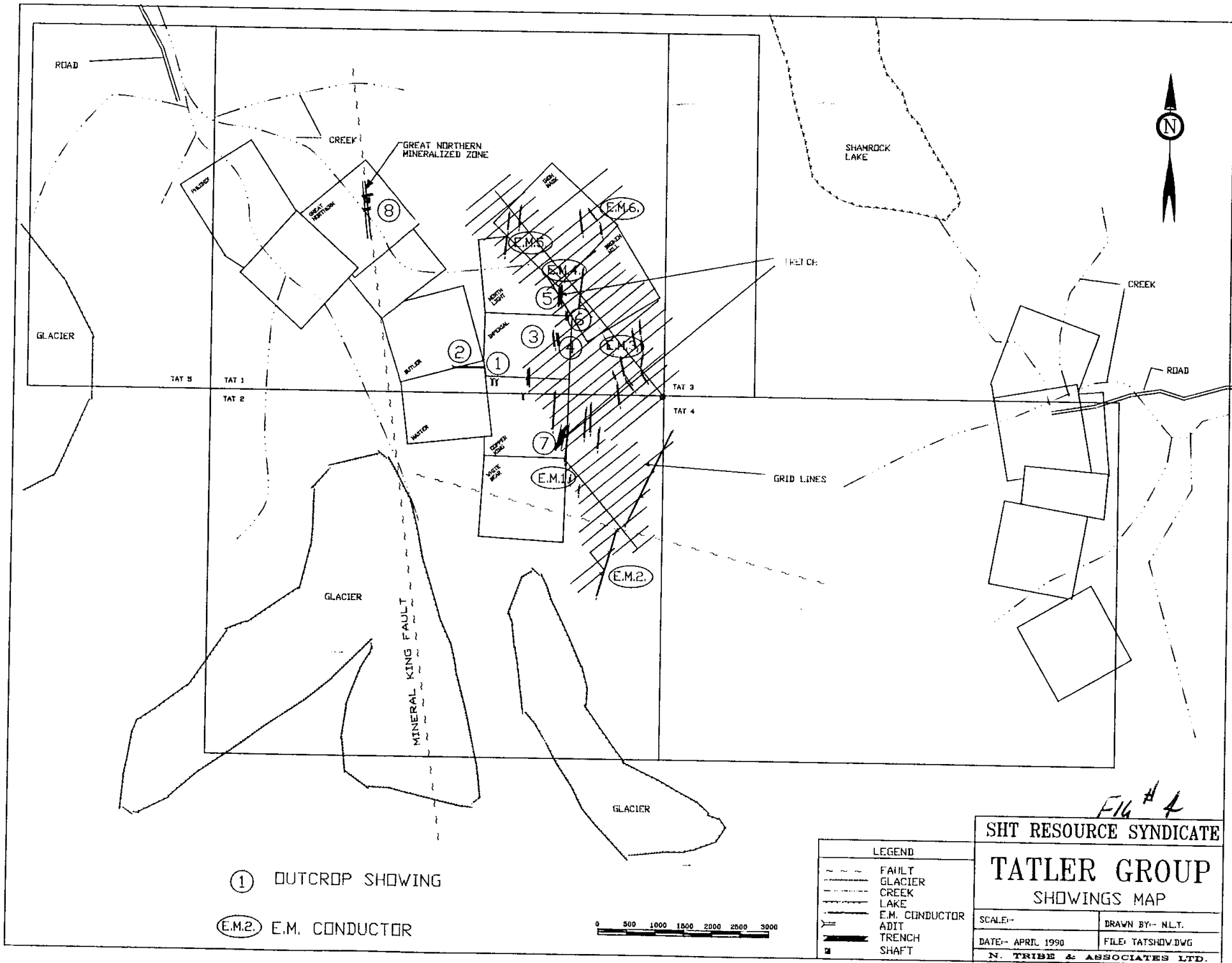
Numerous showings outcrop on the property, these are listed in the following summary:

##### O/C.1. The Butler Showing

Work	two drifts 3 m. and 6 m.
	a second crosscut adit driven 150 m. did not reach the vein
width	50 cm.
grades	tr. gold, 7.2 opt silver, 3.00% copper, 0.50% lead, 1.26% zinc.

##### O/C.2. The Master Showing

work	discovered in the crosscut above
width	+-.5 m.
grades	tr gold, 13.8 opt silver, 3.6% copper



- ① OUTCROP SHOWING
- (E.M.2) E.M. CONDUCTOR

LEGEND	
	FAULT
	GLACIER
	CREEK
	LAKE
	E.M. CONDUCTOR
	ADIT
	TRENCH
	SHAFT

*Fig # 4*

SHT RESOURCE SYNDICATE	
<b>TATLER GROUP</b>	
SHOWINGS MAP	
SCALE:-	DRAWN BY:- N.L.T.
DATE:- APRIL 1990	FILE: TATSHDW.DWG
N. TRIBE & ASSOCIATES LTD.	

O/C.3. The Imperial Showing

work chip sample  
width 1.22 m.  
grades 0.008 opt gold, 6.13 opt silver, 4.03%  
copper.

O/C.4. The Imperial East Showing

work noted  
width four fissure veins over 100 m.  
grades non available - sulphide minerals and  
azurite present.

O/C.5. The Broken Hill Showing

work possible adits not located  
width several narrow veins  
grades non available  
minerals tetrahedrite and azurite

O/C.6. The North Light Showing

work chip sample  
width 1.0 m.  
grades 0.004 opt gold 4.78 opt silver,  
3.12 copper.

O/C.7. The Copper King Showing

work trench 1 - 10 m. long 10 m. wide  
width 1.0 m.  
grade 2.2 opt silver, 1.22% copper, 0.25% lead,  
1.08% zinc.

work trench 2 - 6 m. long 2.4 m. deep  
60 m. from trench 1  
width 1.0 m.  
grade 3.65 opt silver, 2.17% copper.  
minerals tetrahedrite, azurite, galena.

work East end of outcrop  
surface chip sampling  
width 1.0 m.  
grade 2.80 opt silver, 0.85% copper 0.63% lead,  
tr zinc.

work Center of outcrop  
surface chip sampling  
width 1.5 m.  
grade 8.9 opt silver, 5.15% copper, tr lead,  
tr zinc.

work West end of outcrop  
width surface chip sampling  
2.0 m.  
grade 8.00 opt silver, 4.05% copper, 0.40% lead  
0.12 zinc

work Trench 1 dump  
composite muck sample  
grade 0.003 opt gold, 7.21 opt silver,  
4.50% copper

#### O/C.8. The Great Northern Showing

This zone is estimated to be 700 feet long and 30 feet wide composed of quartz, barite and sulphide mineralization.

work several trenches, one 15 meter shaft,  
grade muck sample from the dump  
57.60 opt silver, 5.25% copper,  
15.65% lead, 2.10% zinc.

work chip sample surface vein near shaft.  
width 1.5 m.  
grade 1.70 opt silver, 0.40% copper,  
0.80% lead tr zinc.

work chip sample 10 m. north of shaft  
width 1.2 m.  
grade 10.45 opt silver, 1.05% copper,  
4.37% lead.

work chip sample 200 feet south of the shaft  
width 1.0 m.  
grade 8.40 opt silver, 1.15% copper,  
2.65% lead.

work chip sample in trench 300 feet south west  
of the shaft.  
width 2.1 m.  
grades 3.10 opt silver, 0.90% copper,  
5.35% lead.

Numerous E.M. conductors have also been located and these are listed as follows:

#### E.M.1.

-located just south of the (O/C.7.) Copper King Showing. Several conductors are indicated and profiles show marked similarities over a distance of 800 feet. The axis of one conductor appears to be aligned with The Copper King Showing. The presence of this showing associated with a broad conductive region makes this an ideal drill target.



E.M.2.

- located along the south edge of grid one just south of Black Diamond Mountain. Two zones with a length of 2,700 feet, characterized by deep lows to the west of the crossover points. An outcrop near the southern end of this conductor has a good deal of quartz and some copper stain. In the north central area of the conductor are two outcrops with strong pyrite with some copper staining. This section has an old trench at one end with barite and copper mineralization. This also presents an excellent drill target.

E.M.3.

- this area contains a number of conductors covering an area of 400 feet by 800 feet. The eastern edge of this zone coincides with a ridge of black pyritiferous shale, however the crossovers on the western edge coincide with a gossan zone in limestone with some good copper mineralization. This is also a good drill target.

E.M.4.

- this area has one main conductor which crosses Farnham Creek 400 feet above the old campsite. There are outcrops with barite, chalcopyrite and tetrahedrite near the southern end of this conductor.

E.M.5.

- this area is overburden and bush covered and shows one short conductor near some of the old trenching and adit. No outcrops.

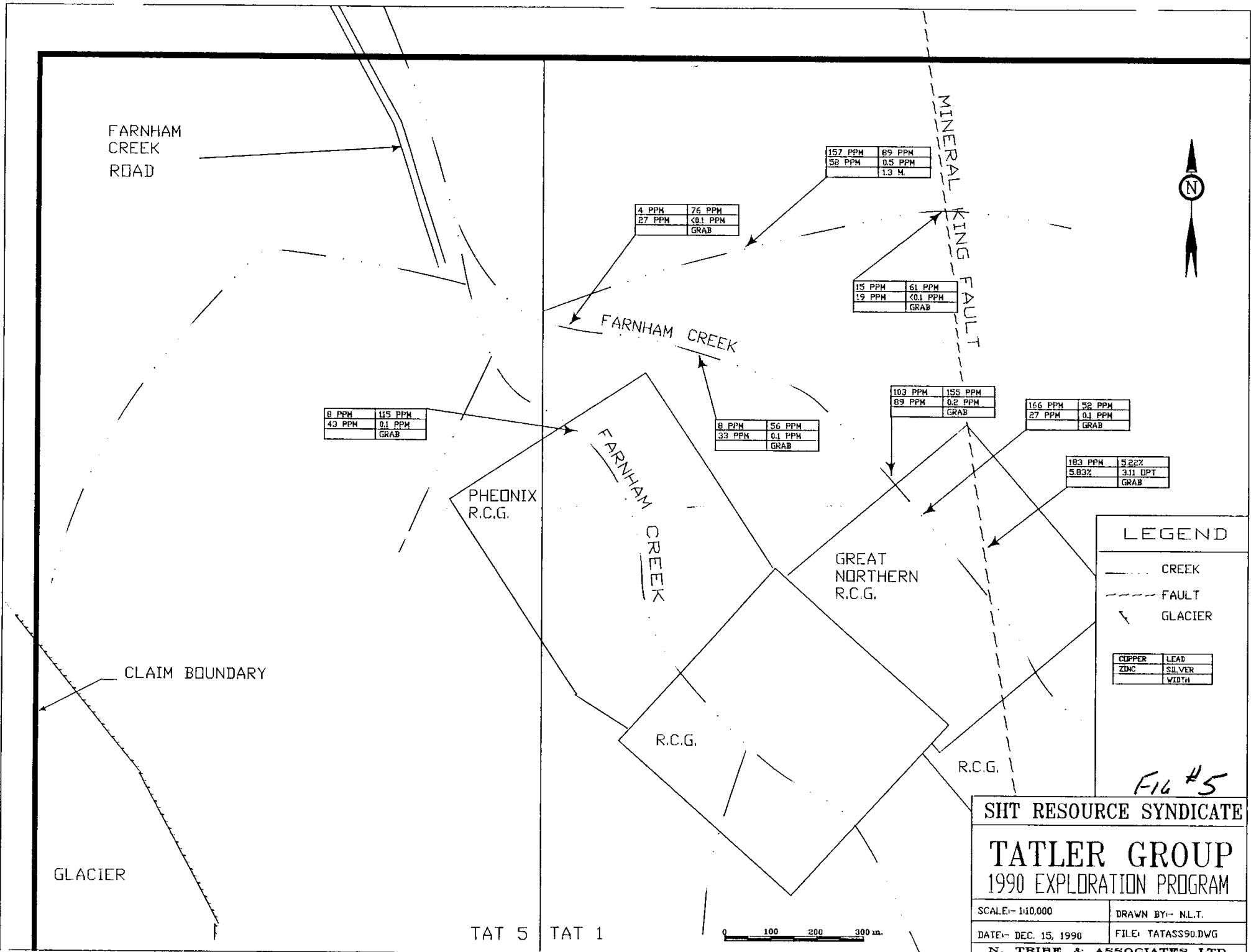
E.M.6.

- two conductors here with little outcrop and much talus. There is some barite, pyrite and chalcopyrite in the skree.

The above information was compiled from published data. Three days were spent on the property in October 1990. This time was mainly spent in reconnaissance, locating and flagging the known showings and in sampling some of the numerous quartz vein systems away from the known showings. The following is a list of samples and results:

#### THE 1990 PROGRAM

The 1990 program consisted mainly in locating and flagging the known showings of which there are numerous. Two



traverses were run up the creek at the end of the Farnham Creek road. This creek cuts the northern extension of the Mineral King Fault. Sample locations are shown in Figure #5. Eight samples were taken in all and are listed below. The field trip was cut short due to an early snow storm which made traversing the severe topography of the area hazardous.

Sample Number 64080

-chert breccia with quartz and carbonate veinlets and sericite alteration. Assays- Cu 8 ppm., Pb 115 ppm., Zn 43 ppm., Ag 0.1 ppm.

Sample Number 64081

-quartz vein +- 0.5m. vuggy quartz with sugary quartz and minor carbonate trace tetrahedrite. Cu 4 ppm., Pb 76 ppm., Zn 27 ppm., Ag <0.1 ppm.

Sample Number 64082

-quartz sericite schist. Intense sericite alteration with moderate carbonate and minor pyrite. Cu 15 ppm., Pb 61 ppm., Zn 19 ppm., Ag <0.1 ppm.

Sample Number 64083

-1.3m - 1.8 m. vein of quartz carbonate with trace of tetrahedrite. Cu 157 ppm., Pb 89 ppm., Zn 58 ppm., Ag 0.5 ppm.

Sample Number 64084

-quartz veins in sericite schist. Grab sample. Cu 8 ppm., Pb 56 ppm., Zn 33 ppm., Ag 0.1 ppm.

Sample Number 64085

-carbonate vein with trace of tetrahedrite. Cu 103 ppm., Pb 155 ppm., Zn 89 ppm., Ag 0.2 ppm.

Sample Number 64086

-Quartz carbonate vein in sericite schist, with traces of pyrite and tetrahedrite. Cu 166 ppm., Pb 52 ppm., Zn 27 ppm., Ag 0.1 ppm.

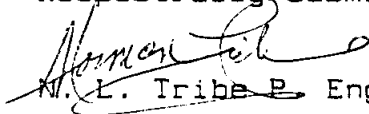
Sample Number 64087

-Great Northern showing. Grab sample from the dump. Quartz veining and sulphides. Cu 183 ppm., Pb 5.22% Zn 5.83%  
Ag 3.11 opt.

SUMMARY OF COSTS

Gasoline	Oliver	\$20.95	
	Cranbrook	\$44.50	
	Althamer	\$46.00	
	Glade	\$25.00	
	Greenwood	\$53.90	
			\$ 190.35
Accommodation	Cranbrook	\$34.56	
	Invermere	\$73.44 two nights	
	=====		\$ 108.00
Helicopter Costs			\$ 942.76
Meals	Kelowna	\$33.92	
	Salmo	\$ 6.00	
	Cranbrook	\$ 5.65	
	Invermere	\$ 9.65	
	Panorama	\$ 7.56	
	Invermere	\$17.00	
	Kimberley	\$ 5.65	
	=====		\$ 85.43
Supplies	Grandforks tags	\$10.60	
	Cranbrook maps	\$33.92	
	Invermere supplies	\$32.10	
	Kelowna Copying	\$15.00	
	-----		\$ 91.62
Assays			\$ 98.00
Mileage 4 X 4 at \$0.35/km	1920 km.		Kelowna - Invermere
- Property - Invermere - Kelowna			\$ 672.00
			=====
Total Expenses			\$ 2,188.16
Consulting Fees	N. Tribe at \$400/day plus helper at \$80/day		
	October 2, 1990	1 day travel	
	October 3,4,5, 1990	3 days field work	
	October 8 travel	1 day travel	
	October 15, report writing	1 day	
	December 15, drafting	1 day	
	Total 7 days at \$480/day		\$ 3,360.00
			=====
Total of all costs expenses plus fees			\$ 5,548.16

Respectfully submitted

  
 Norman L. Tribe P. Eng.

RESUME OF AUTHOR  
NORMAN L. TRIBE P.ENG.

-Graduated from the University of British Columbia in 1964 with a B.A.Sc. in Geological Engineering.

-Registered Professional Engineer in the Province of British Columbia.

-President and principal of N. Tribe & Assoc Ltd. a geological contracting company serving the industry for 20 years.

-A total of 26 years experience in most phases of my profession including underground grade control, pit grade control, mine development, mine evaluation, property evaluation, project management, project consultant, exploration management, exploration geology and reporting to the various governments and/or stock exchanges.

-Wide ranging experience throughout the world including postings in the Cordillera, the Canadian Shield (Ontario, Saskatchewan, Manitoba and the N.W.T.), Australia and the Pacific Islands, (Fiji, Misima, P.N.G., Etc.), the Australian Shield, the Guiana Shield, Mexico and Western U.S.A.

-Experience in various mines including Craigmont (Merritt), Eldorado (Beaverlodge), Highland Bell (Beaverdell), Argo (Zortman), Pegasus (Landusky), Lupin (Contoywto Lake), Scottie Gold (Stewart), Newhawk (Brucejack Lake) Esperanza Gold (Burton) and Edjudina (Australia).

-Spent six months with the Ministry of Energy Mines and Petroleum Resources of British Columbia as Mines Inspector in Kamloops B.C.

-Holder of the following industry related certificates:

-Underground Shift Boss, U.G. 2029

-Open Pit Shift Boss, O.P. 811

-General Blasting Ticket B.C. 37431

-Blasters Permit, Yukon Territories, 2037

-Industrial First Aid Ticket, 703669465 (expired)

-Underground Mine Rescue Ticket, 6642

-Surface Mine Rescue Ticket, 03969

-British Columbia Class 5 Drivers Licence 3146483

-International Drivers Licence

-Valid Current Canadian Passport

RESUME OF HELPER

C. Tribe

Field assistant with approximately 2 years experience, as soil sampler and geological assistant. Also has approximately 0.5 years in computer drafting.

APPENDIX I

ASSAY CERTIFICATES

**ASSAY ANALYTICAL REPORT**  
=====

CLIENT: N. TRIBE & ASSOCIATES LTD.  
ADDRESS: 2611 Springfield Rd.  
: Kelowna, BC  
: V1X 1B9

DATE: NOV 15 1990

REPORT#: 900705 AA  
JOB#: 900705

PROJECT#: NONE GIVEN  
SAMPLES ARRIVED: OCT 24 1990  
REPORT COMPLETED: NOV 15 1990  
ANALYSED FOR: Ag

INVOICE#: 900705 NA  
TOTAL SAMPLES: 1  
REJECTS/PULPS: 90 DAYS/1 YR  
SAMPLE TYPE: 1 ROCK

SAMPLES FROM: MR. NORM TRIBE  
COPY SENT TO: N. TRIBE & ASSOCIATES LTD.

PREPARED FOR: MR. NORM TRIBE

ANALYSED BY: Raymond Chan

SIGNED: \_\_\_\_\_

Registered Provincial Assayer

GENERAL REMARK: None

**ASSAY ANALYTICAL REPORT**  
=====

CLIENT: N. TRIBE & ASSOCIATES LTD.  
ADDRESS: 2611 Springfield Rd.  
: Kelowna, BC  
: V1X 1B9

DATE: NOV 16 1990

REPORT#: 900705 AB  
JOB#: 900705

PROJECT#: NONE GIVEN  
SAMPLES ARRIVED: OCT 24 1990  
REPORT COMPLETED: NOV 16 1990  
ANALYSED FOR: Pb Zn

INVOICE#: 900705 NB  
TOTAL SAMPLES: 1  
REJECTS/PULPS: 90 DAYS/1 YR  
SAMPLE TYPE: 1 ROCK PULP

SAMPLES FROM: MR. NORM TRIBE  
COPY SENT TO: N. TRIBE & ASSOCIATES LTD.

PREPARED FOR: MR. NORM TRIBE

ANALYSED BY: Raymond Chan

SIGNED: 

-----  
Registered Provincial Assayer

GENERAL REMARK: None



REPORT NUMBER: 900705 AA

JOB NUMBER: 900705

W. TRIBE & ASSOCIATES LTD.

PAGE 1 OF 1

SAMPLE #	Ag oz/st
64087	3.11

DETECTION LIMIT

.01

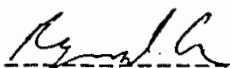
1 Troy oz/short ton = 34.28 ppm

1 ppm = 0.0001%

ppm = parts per million

< = less than

signed: \_\_\_\_\_



REPORT NUMBER: 900705 AB

JOB NUMBER: 900705

M. TRIBE & ASSOCIATES LTD.

PAGE 1 OF 1

SAMPLE #	Pb %	Zn %
64087	5.22	5.83

DETECTION LIMIT

1 Troy oz./short ton = 34.28 ppm

.01

1 ppm = 0.0001%

.01

ppm = parts per million

< = less than

signed: \_\_\_\_\_

*[Handwritten Signature]*

