

Fergi 2  
Prospecting Report

22941

REPORT ON  
PROSPECTING SURVEY  
FERGI 2 CLAIM  
REVELSTOKE MINING DIVISION  
BY  
J. C. T. PATRICK

LOG NO:	DEC 13 1993 RD.
ACTION:	
FILE NO:	

OWNER: JOHN M LIPTON

OPERATOR: ST PATRICK MINING

CLAIM: FERGI 2 #312187

NTS: 82K11

LATITUDE: 50 42.5'

LONGITUDE: 117 29'

FILMED

JULY 10, 1993  
REVELSTOKE . B. C.

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### SUMMARY

The Ferguson property, the Fergi 2, consists of 20 units staked by William Sanders on August 3, 1992. This report describes 6 days of mapping and prospecting undertaken between June 29, 1993 and July 4, 1993.

The claims are located in the Badshot Range approximately 10 km from Trout Lake. Access to the property is by 4x4 truck. The existing main roads have been maintained by Pope and Talbot Sawmills. Roads off these main roads are in a bad state of disrepair.

The property lies within the Broadview, Sharon Creek, and Triune formations which are in the structural belt known as the Kootenay Arc\*. This is a belt of highly deformed, heterogeneous, lime bearing sedimentary rocks, around a major Batholithic area.

The Broadview formation consists of grey-green grit and phyllites with minor conglomerate and pyroclastics. Grey to black siliceous argillite, slate, phyllites and grit constitute the Sharon Creek formation. While the Triune formation is composed of grey to black siliceous argillite.

\* (Fyles & Eastwood report)



## INTRODUCTION

### Trout Lake District

The Ferguson Creek property consists of 20 units, the FERGI 2 claim. Previously this area had been covered by various claims since the discovery of gold, silver, copper, lead, and zinc in massive sulphides in the early 1900's.

Extensive work has been done on the surrounding crown grants abutting the FERGI 2 property.

In July of 1993 mapping of the area and prospecting and sampling transpired.

### Location and Access

The FERGI 2 property is located in the Selkirk Mountains. The property is situated on the east slope of Great Northern Mountain between the elevations of 3000 and 6000 feet above sea level.

The topography is mountainous with the majority of the trees being cedar and spruce. Hence, clear-cutting has taken place on several areas on the claimed property. From early October to mid-June snow covers this mountainous region.

The property is accessible by road to the ghost town of Ferguson from the town of Trout Lake. From Ferguson one travels north along the east side of the Great Northern Mountain. See Figures 1 & 2 - Claim locations and accessible routes.

### General

In the latter part of June and the early part of July, 1993, a two man party of prospectors (James Patrick and Paul Boothman) conducted a 6 day field program that consisted of sampling and the looking for tell tale signs (e.g. gossans) of the extremities of already known high grade mineralized veins on nearby crown grants.

### Prospecting

A program of prospecting and mapping was conducted on a reconnaissance basis within the project area. Grab samples were taken and the more highly mineralized of these were assayed.

The whole of the project area was mapped so all samples could be related to known features in the region.

## LITHOLOGY

### Rocks

Rocks in the project area consisted mainly of phyllites, grey-green grit, grey to black siliceous argillite, minor carbonaceous and calgarious schists, and limestone. Conglomerate and diorite were found in float but were not discovered in place.

### Minerals

Mineralization in the area consisted of pyrite, chalcopyrite, silver, and sphalerite.

## PROPERTY HISTORY AND PREVIOUS WORK

### 1900

At approximately the turn of the century, prospectors open the district with the discovery of veins bearing galena and sphalerite high in silver content.

### 1915

Newton and Emmons report on the Trout Lake Mining Division which encompasses the Ferguson area. The authors describe ore occurrences and mining operations on the TRUE FISSURE, ST ELMO, GREAT NORTHERN, and BROADVEIW claims. On the ST ELMO claim ore was discovered consisting of zinc-blende, iron pyrites, and galena, assaying: Silver, 44.05 oz/ton; lead, 4.8%; zinc, 27.1%. Lying immediately upon this was a body of galena ore carrying grey-copper and a little zinc-blende, extending upto grass-roots, from which 200 tons were stooped and shipped to smelter, yielding an average of: Gold, 0.09 oz/ton; silver, 79.34 oz/ton; lead, 26.6%; zinc, 9.07%. In places in this stope were masses of practically clean grey-copper, samples of which assayed: silver, 515.0 oz/ton; copper, 10.37%; but as there was only a relatively small amount of this material it was mixed in with the galena ore and shipped with it. In the TRUE FISSURE much of the ore exposed consisted of fine-grained galena, samples of which assayed: Gold, 0.06 oz/ton; silver, 3.0 to 9.0 oz/ton; lead,

5%; zinc, 10.6%. On the BLUE BELL a 19 foot vein of quartz was found, 6 feet of which assayed: Gold, 0.25 oz/ton; silver, 7.05 oz/ton; the balance of material being of a lower grade.

1920

The True Fissure Mining Company acquires an interest in the property of Vanada Resources Ltd. and drives adits on the TRUE FISSURE and BLUE BELL claims. The properties are intermittently worked by this company until at least 1929.

1930

On the TRUE FISSURE a 100 ton per day mill is installed at the mine site and a small hydro-electric plant is constructed in Ferguson.

1937-1944

During this period the New True Fissure Mining Company and the Codan Lead and Zinc Company worked the property with records indicating that 4000 tons of ore were extracted.

1945-1949

The Comara Mining and Milling Company Ltd. conducts 2200 feet of surface drilling.

1949

Comara Mining is transformed into Columbia Metals Corporation Ltd.

1952-1953

Columbia Metals engages the Granby Consolidated Mining

Smelting and Power Company Ltd. to upgrade the TRUE FISSURE and to supervise 3000 feet of underground drilling and sampling.

1966

Columbia Metals engages J.M. Kilpatrick, P. Eng., to prepare a report on their mining claims to be financed publicly.

1969

J.M. Kilpatrick prepares a feasibility report for Columbia Metals on the cost of mining and milling 78,989 tons of ore grading: Gold, 0.04 oz/ton; silver, 6.2 oz/ton; lead, 5.4%; zinc, 6.0%.

1970

T.W. Dent, P. Eng., of GHD Consultants Ltd. prepares a feasibility report for Columbia Metals concluding that there exists a possible 59,483 tons of reserve with a grade of: silver, 9.25 oz/ton; lead, 6.25%; zinc, 7.5%, and a further 10,296 tons of reserve with a grade of: silver, 4.09 oz/ton; lead, 3.5%; and zinc, 4.28%.

1971

Columbia Metals constructs a 100 ton per day mill on the TRUE FISSURE claim.

1972

Kenneth C. Rose, P. Eng., reports on a 3,618 foot

surface exploration drill program undertaken by Columbia Metals.

1973

H.B. & O. Engineering (Hallet, Broadhurst & Ogden) prepare an evaluation report of the Ferguson property for Columbia Metals.

1975

The Bank of Montreal recalls it's loan to Columbia Metals following the death of the company's president,

1976

A group of shareholders redeem the debenture held by the Bank of Montreal and are subsequently sued by heirs of the former president of Columbia Metals.

1983

The case is finally settled in the Supreme Court of Ontario in favor of the shareholders and the Ferguson claims are vested in a new corporation, Vanada Resources.

## PROSPECTING REPORT

On August 2, 1992, the Fergi claim, a 20 unit mineral claim, was staked to the north of the Great Northern Mountain.

The author of this report was asked to prospect this new ground and outline any known existing veins and any new mineral zones in this area and the adjacent properties. Also to trace already known highly mineralized veins from the surrounding crown grants.

James Patrick, a prospector from Revelstoke B.C., and an assistant left Revelstoke on June 28, 1993, and proceeded 28 km south to Trout Lake, and then 6 km north-east to the ghost town of Ferguson. The maps that could be obtained for this area were very poor, so it was decided to map all existing roads and to prospect the newly staked area. Furthermore it was decided to map and prospect existing finds on the adjacent crown grants to familiarize ourselves with the area rock types and vein structures and to see if they continued onto the FERGI 2 claim.

The Broadveiw Road, which starts at Ferguson and heads north along the eastern side of the Great Northern Mountain, has been worked on extensively by Pope & Talbot Sawmills as far as their clear cuts. These top clear cuts are located north-east of the TRUE FISSURE claim. A map of these clear



cuts, obtained from a Pope & Talbot employee, verified our position.

A prospecting traverse was initiated starting at the True Fissure claim and was continued in a westerly direction. All rocks, adits, veins, and mineralized zones were mapped. This traverse was extended to the head waters of True Fissure creek and over the divide into Mountain Goat Creek valley, where a showing on the west side of the valley was quite visible.

On the southern part of the traverse numerous holes and test pits were observed. These showed very little surface mineralization.

To the west of TRUE FISSURE mine an adit was observed and the ground north of this adit was prospected. A quartz vein 2 meters wide was discovered 10 meters north of the adit. This vein was followed for 15 meters to the west. Further to the north 150 meters, another vein, 20 meters wide, was found, which also outcropped in a westerly direction, for approximately 15 meters. The rock face was followed in a north and east direction. This area consisted mainly phyllites and grits, but showed only a small amount of mineralization. A small amount of siderite was observed next to the contact wall of grey phyllites and a 2 meter quartz vein, which ran true north. This vein only had minute amounts of pyrite.

To the south-west, on the TRUE FISSURE claim, siderite with small cubes of chalcopyrite was disclosed.

On the traverse that proceeded to the north-east a large natural cave was discovered some 3 km distant. No mineralization of any consequence was unearthed this far north-east at this elevation.

Travelling back to Ferguson, which consists of a few building and an old camp, we proceeded north. This road runs parallel to Ferguson creek at an elevation of 3300 feet. Locating the FERGI 2 claim post 2 km from Ferguson, we continued north, confirmed of our position. An iron gossan was discovered 900 meters north of this post. On the north side of the gossan bedded grey phyllite was realized. This material split easily and would make excellent flagstone. Next to this was an almost black phyllite outcropping, while the next section was made up of grey to green phyllites, much twisted and contorted.

The south side of the gossan also held twisted and contorted grey to green phyllites.

Along the bank, below the gossan, samples were found which contained a high percentage of sphalerite and galena. The half a dozen samples, which were spread over a 7 meter area, were float, although one piece, too large to be dug out, may be in place.

The mineralization is threaded through fissures in a

limestone matrix, with the highest percentage in the phyllites and the contacts next to the limestone.

Taking a compass bearing on the gossans showed that it came down the mountain in a westerly direction, just as all the veins found on the crown grants. We prospected above the gossan and found very little rimrock to sample. A cat trail joining two clear cuts across the gossan held no visible mineralization.

The areas north and south of the gossan were prospected, and all the cat trails and clear cuts were sampled where ever rimrock appeared. To the north, about 15 meters from the first gossan, another showing of gossan was observed. However the overburden was too deep to establish where it originated. Further north and 50 meters south of Broadview creek some carbonaceous schist was found. These schists were interlaced with pyrite. Some diorite was also found, but only float, and none in place.

It was decided to prospect up higher above the gossan. The ground across the gossan and just below the crown grants was covered. Higher above the gossan and just to the south minor mineralization was found in the phyllites.

Unfortunately, more time was needed to prospect the northern boundary of the FERGI 2 claim.

James Patrick  
St. Patrick Mining  
Box 3147 Revelstoke BC

**CONCLUSIONS and RECOMMENDATIONS**

1) All information from previous assessments of the property and surrounding areas should be compiled and studied, with the results known, so as not to repeat work.

2) Vein structures should be gridlined every 15 meters and geochemical and geophysical work should be conducted to determine the continuance of the high grade veins found on the crown grants onto the FERGI 2 claim.

3) Each unit on the FERGI 2 claim should be individually analyzed for mineral showings and those lacking in mineralization should be deleted from the claim.

### QUALIFICATIONS

I have been prospecting since 1979. In May of 1985 I received a certificate for completing the Mineral Exploration for Prospectors Program from Malaspina College in Nanaimo. Since 1979 I have been operating my own company, St. Patrick Mining, which does contract staking, grid lining, and prospecting. In the past I have worked for such mining companies as; Equinox, Fargo Resources, Marrim Resources, and Cassiar Coal.

**ST PATRICK MINING**  
James C. T. Patrick

313 First Street East  
P.O. Box 3147  
Revelstoke, BC  
VOE 2S0  
Phone: (604)837-5887

July 10 1993

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<u>DATE</u>	<u>DESCRIPTION</u>	
June 28 to July 4 1993	Prospecting and Mapping of the FERGI 2 claim and adjoining crown grants.	
	6 days prospector @ \$180.00 per day (lic. # 120813)	= \$1080.00
	6 days prospector's assistant @ \$125 per day (lic. # 133316)	= \$ 750.00
	6 days truck rental @ \$50.00 per day	= \$ 300.00
	Gas	= \$ 144.00
	Supplies and food	= \$ 247.29
	Report Preparation	= \$ 450.00
	Total Amount	= \$2971.29

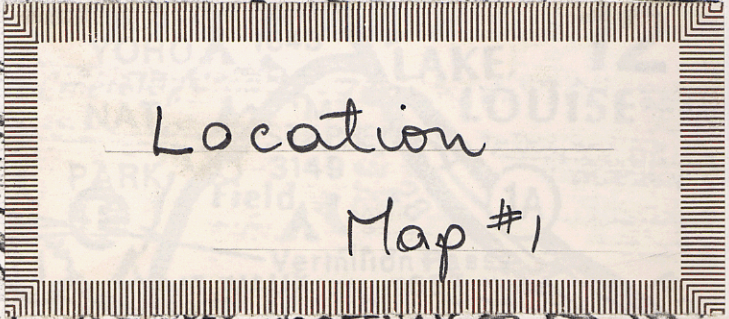
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F. June 2



MAP # 1





# MAP # 2

## CLAIMS

MT. JOWETT

Cascading Cr.

82K11



MT. HOMER

13

11

**FERG 1 2**  
312187

6019  
L6017  
L1554  
L1550  
L1551  
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L1599  
L1600

Fissure Cr.  
Broadview Cr.  
Alpha Cr.

2416  
FERG 5  
2617 (9)  
2618 (9)

**DRIFTER**  
2NX5E  
REDUCTION  
8710  
2056 (3)  
L8711  
2027(1)  
OFS

**DRIFTER NO. 1**  
248054  
2450  
15X3E REDUCTION  
FORMERLY  
15X5E

**JR #1**  
2520  
(3)  
6NX2N  
(96799)

NETTIE L. MTN.

**JR #2**  
2521 (3)  
3NX5E  
REDUCED

ALSO 2976 (MOHAWK EAST)

5613696

316391  
316398  
316399  
31630

**JR NO. 3**  
2529 (4)  
25X5E

Five Mile  
L7251  
2044(1)  
OFS  
L7252  
L7253  
L7254  
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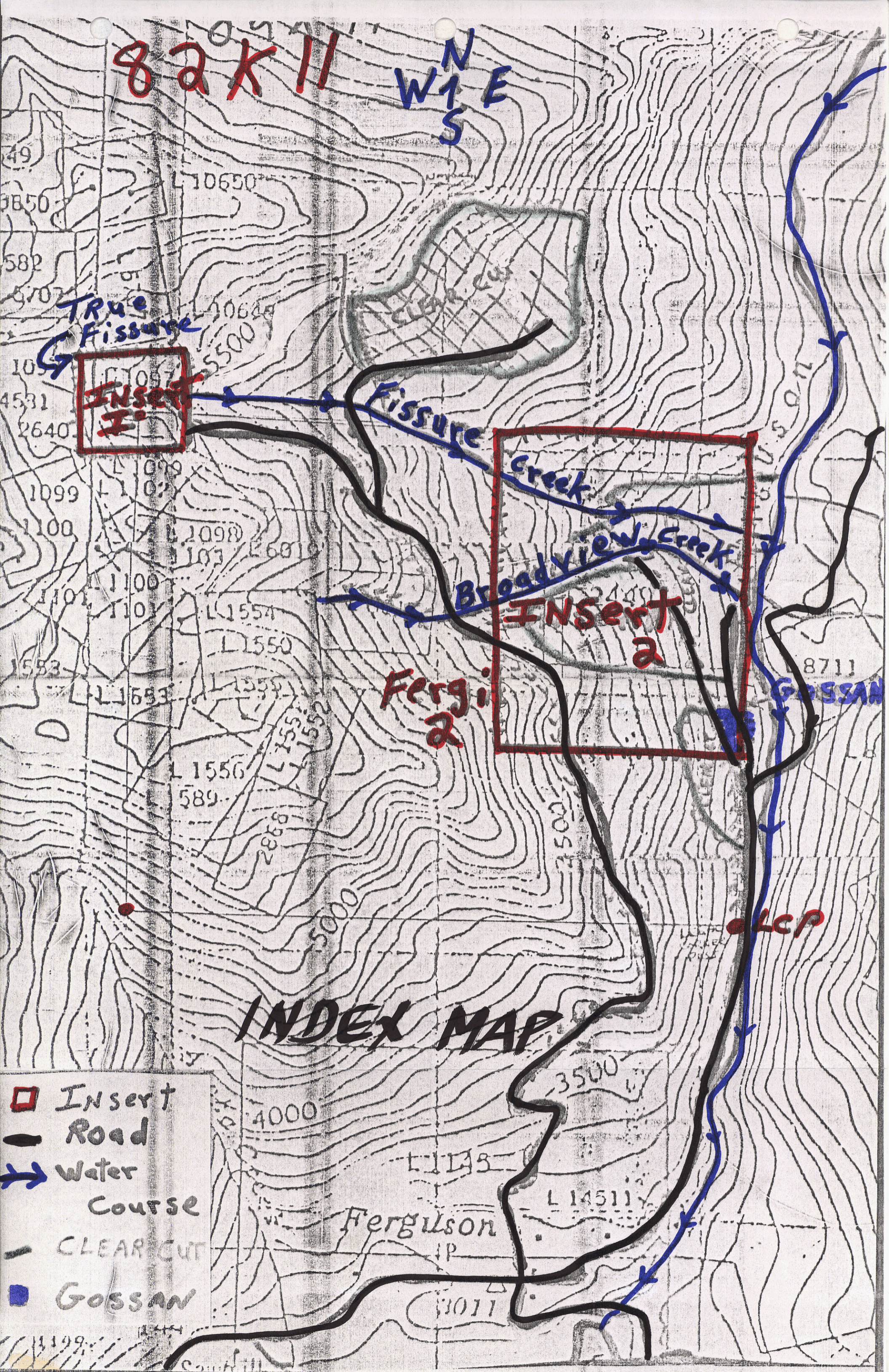
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**FERG 2**  
120761  
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82K11 W1E  
S



True Fissure  
INSERT 1

INSERT 2

Ferguson 2

CLCP

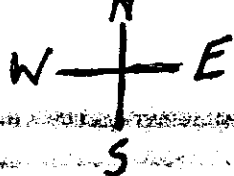
# INDEX MAP

- Insert
- Road
- ➔ Water Course
- CLEAR CUT
- GOSSAN

Ferguson P

GOSSAN





width

-18-

TRUE FISSURE

CLAIM

RECORD Number

L1097 CG

# MAP # 3

## INSERT I AREA

width  
arm

DUMP

DUMP

Head  
Waters

True  
Fissure  
Creek

DUMP

TRUE  
Fissure  
adit

DUMP

stock pile

□ ADIT

▭ quartz vein

— Water Course

== Road

Swamp

Open  
Pit

Survey by - JAMES Patrick

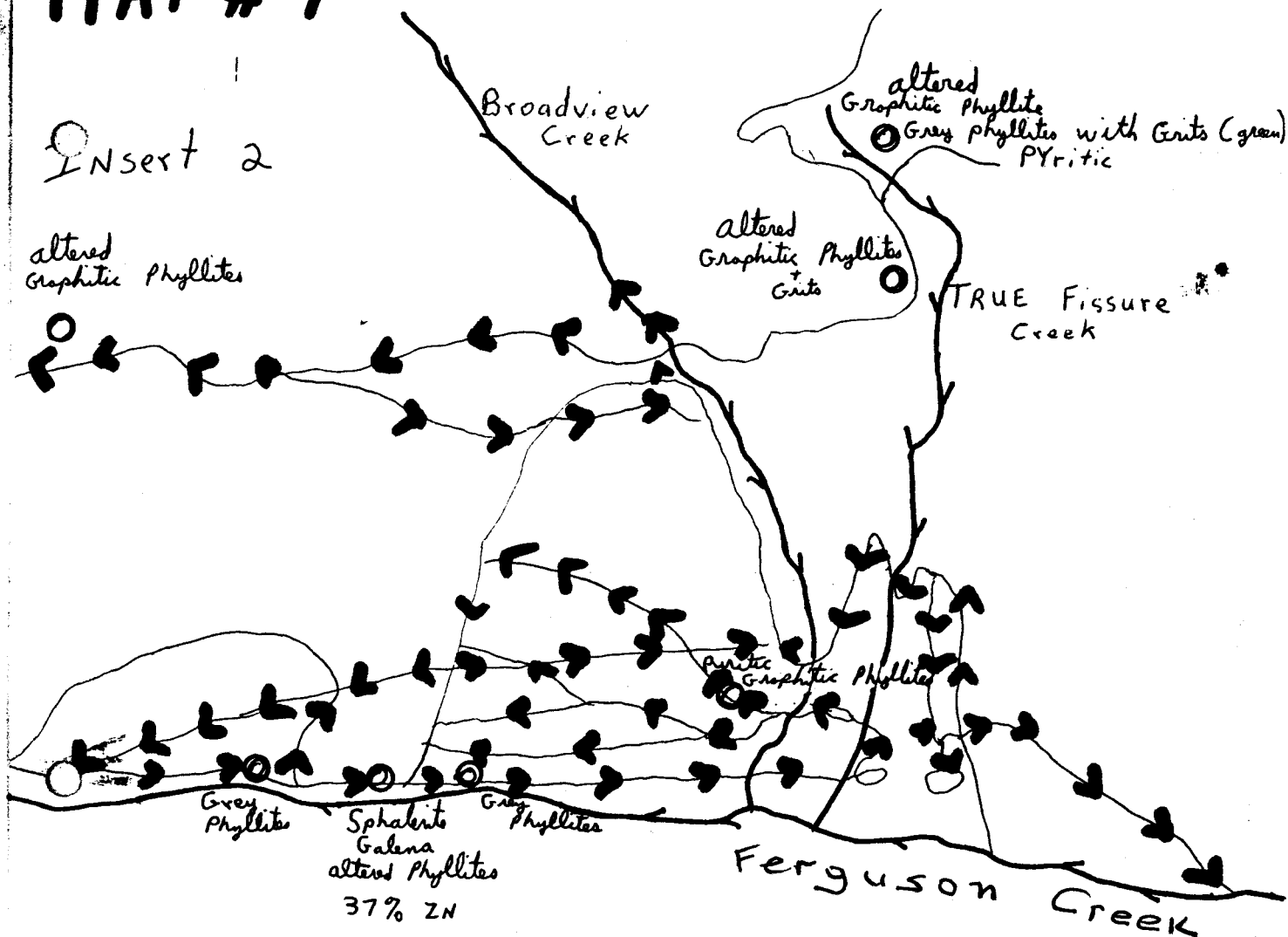
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# MAP #4

-17-

## Insert 2



PROPERTY

FERGI 2

INSPECTING TRAVERSE AND ROCK TYPES

DATE: JULY 10

SURVEY BY: ST. PAUL ROCK MINING

SCALE 1 INCH = 40M

46m

Roads ———

Creeks ———

Rock TYPE LOCATION

TRAVERSE > >