

# 5080

GEOCHEMICAL REPORT

ON

JIMMY MINERAL CLAIM

FRANKLIN CREEK AREA, GREENWOOD M.D.

Lat.  $49^{\circ}35'00\text{N}$ , Long.  $118^{\circ}22'00\text{W}$

N.T.S. 82-E-9

July 18-21, 1974

82E/9W

Vancouver, B.C.

J.J. McDougall, P.Eng.

July 21, 1974

<p>Department of Mines and Petroleum Resources ASSESSMENT REPORT NO. <u>5080</u> MAP.....</p>
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## INTRODUCTION

Between July 18 and July 21st a geochemical survey was carried out on a portion of the Jimmy Mineral Claim, Greenwood M.D., B.C.

## LOCATION AND ACCESS

The claim is located on the west slope of Franklin Creek about four miles from its junction with Burrell Creek, and is at an elevation of approximately 3300 feet.

## GENERAL GEOLOGY

Silver-Lead-Zinc mineralization occurs within or adjacent to a small lense of crystalline limestone occurring within Drysdale's Franklin Group. The latter is probably Carboniferous in age and includes greenstone, cherty quartzite, altered tuffs, etc., and as such suggests the Cache Creek Group. Jurassic intrusives occur about a mile to the south and about a mile to the northwest.

Within the claim area, outcrop is limited to about 10 or 15%, and the various sulphide showings are separated by rather extensive overburden or talus. Mineralization appears erratic and consists mainly of galena and sphalerite which have replaced portions of the northerly trending and apparently steeply dipping limey lenses across widths of a few feet. Structure is not understood and the showings have not been geologically mapped.

TO WEST SEE MAP L

TO EAST SEE MAP G21

3

3

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NO. 5080 MAP #1

2

2

1

1

49° 30'

110° 30'

TO SOUTH SEE MAP B2 E/W

49° 30'

110° 30'

Jimmy MC

Bluejoint Cr.

Gloucester Cr.

Pinto Cr.

73 Cr.

Dunsmuir Cr.

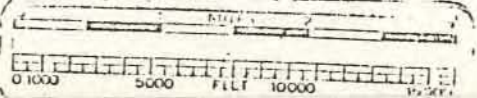
TRAIL CREEK  
GREENWOOD MD

C.C. = completed  
C/C = cancelled

Fig. 1-74

DEPARTMENT OF MINES AND PETROLEUM RESOURCES  
VICTORIA, B.C.

MINERAL CLAIM MAP B2 E/9(WM)



For up-to-date information on claims in any area you should apply to the Mining Recorder for the Mining Division concerned

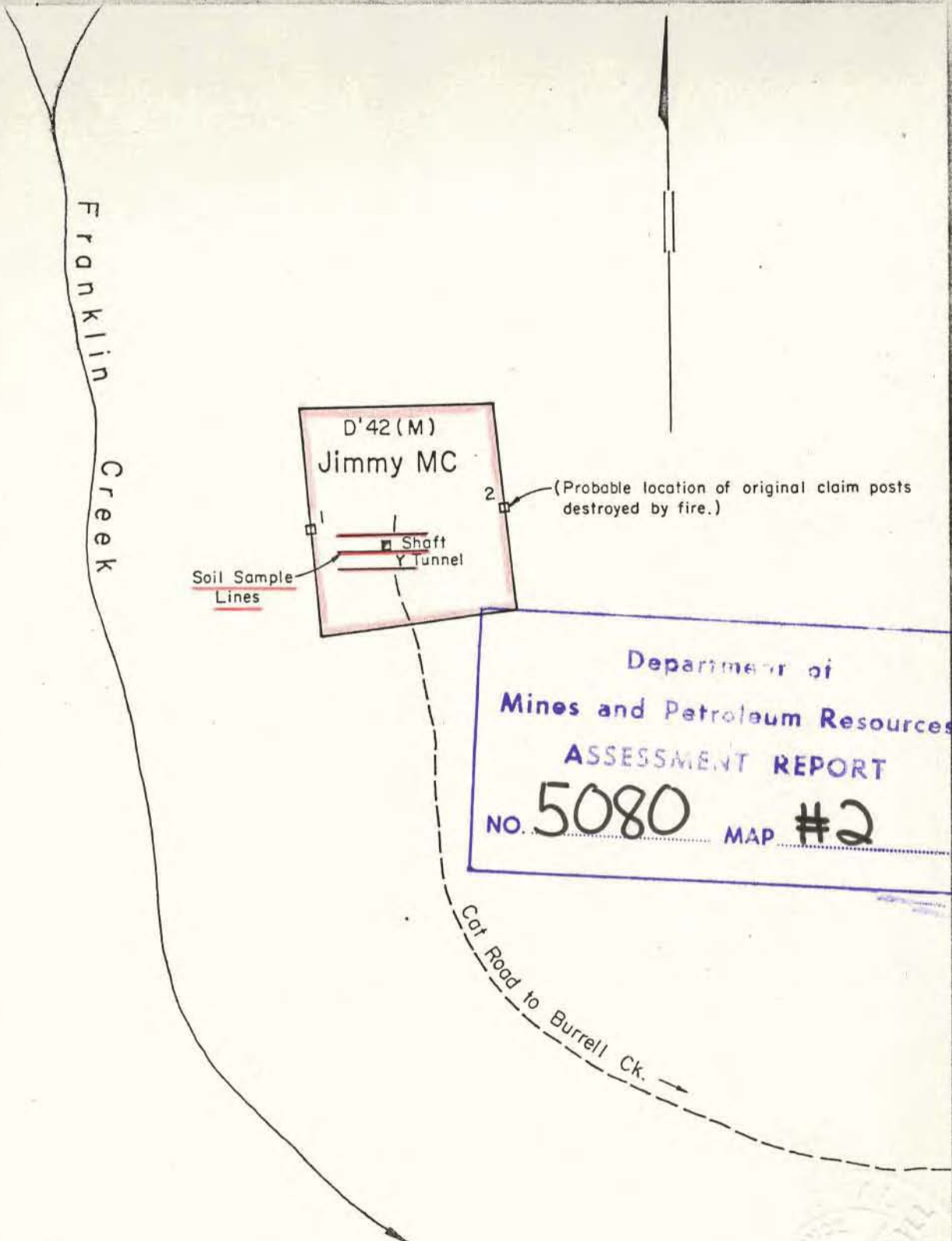
This map is prepared to serve as a guide to the positions of located mineral claims and placer mining leases only. Unlocated claims and leases are plotted from loc. int. sketches and are not guaranteed. Letters C.C. indicate claim is Crown-Granted. Symbol C/C indicates claim has forfeited.

A

D

10/74





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 Mines and Petroleum Resources  
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Showing Location of Geochemical  
 Survey Work on Jimmy MC

Scale - 1" = 1000' ±

*John D. Lopez*  
 Fig. 2-74

RJE.

July / 74

### TOPOGRAPHY AND SOILS

The surveyed area is on a west sloping (20<sup>0</sup>) well-drained hillside at about an elevation of 3300 feet. Due to forest fires in the near and distant past little timber other than the odd creek bottom cedar clump has been left standing and except for a few scattered fir trees the ground is covered with a form of 'bunch grass' or 'buck brush'. Soil development is generally poor although on benches is fair. Humus content is low.

### METHOD OF SURVEY

To check for possible continuity or additional mineralized areas three 600 foot lines were run about 100 feet apart across the projected regional trend of the limestone lenses.

A total of 68 soil samples were taken at 25 foot intervals from the B horizon as closely as possible, this being generally at a depth of about 4-6 inches. These were collected in standard geochemical sample bags and analysed for silver, lead and zinc -- the recognized in-place metals -- and for copper and mercury as possible trace elements. Analytical work was done in the Falconbridge Geochemical Laboratory at Vancouver which is under the direction of Dr. I.L.Elliott.

### LABORATORY TECHNIQUES

#### Preparation

The samples were dried in a gas fired hot air oven, and hand screened through on 80 mesh nylon screen. Silver, lead, zinc and copper

were determined on a one gram sample of the minus 80 mesh fraction of the samples by standard atomic absorption techniques following dissolution in hot 10% nitric acid. Mercury was determined on 0.5 gram portions of the minus 80 mesh fraction of the sample by the flameless atomic absorption technique following dissolution in concentrated nitric acid.

RESULTS AND INTERPRETATION

Relatively anomalous values in this area include anything above the following :-

Silver	-	2 ppm
Lead	-	50 ppm
Zinc	-	150 ppm
Copper	-	60 ppm
Mercury	-	40 ppb

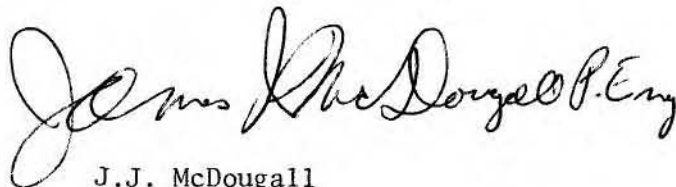
Known mineralized zones - i.e. around the shaft and tunnels as per maps 3 and 4 -- respond only weakly to silver, and not at all to lead and copper. Zinc results are anomalous but low over the showings. Mercury appears locally anomalous over a limited zone about 50 feet east of the known mineralization.

A strongly anomalous zone (Ag, Pb, Zn plus minor Cu and Hg) is indicated west on line 1-24 (Line 1); a northwest striking continuation is possibly reflected somewhat on line A (#16 & #17) and on line B (#14).

A second anomalous zone (Ag, Pb, Zn plus minor Cu and Hg) is clearly indicated along line B about 100 feet east of the shaft, but any northwest continuation is marked only by mercury.

CONCLUSIONS

At least two mineralized zones other than the known one around the shaft and tunnel are suggested. Of these, a test pit on the very high silver and lead values found at #20 on line 1 should confirm the apparent success of soil geochemistry in this area. With favourable results, a larger area should be so tested.

A handwritten signature in cursive script that reads "James J. McDougall P. Eng". The signature is written in black ink and is positioned above the printed name.

J.J. McDougall

July 21, 1974



APPENDIX A

DOMINION OF CANADA: }  
 PROVINCE OF BRITISH COLUMBIA. }  
 To Wit:

**In the Matter of** a GEOCHEMICAL SURVEY carried out on the JIMMY mineral claim, Lat. 49°35'00N, Long. 118°22'00W.

**I, J. J. McDougall**

of #500 - 1112 West Pender Street, Vancouver, B.C. V6E 2S3

in the Province of British Columbia, do solemnly declare that the following expenses were incurred in carrying out a Geochemical Survey on the Jimmy mineral claim.

Wages

<u>Date</u> (1974)	<u>Name</u> (Sample Collector)	<u>Daily</u> <u>Rate</u>	<u>Total</u>
July 18-19	A. Topp	\$42.00	\$84.00
July 19	E. McDougall		40.00
July 19	R. Esson		<u>37.60</u>
			161.60

Supervision on Report Writing

July 20	J.J. McDougall, P.Eng.		63.69
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Transportation and Camp Costs

100 miles gravel road and 10 miles Cat road (4-wheel drive) plus rental and camp costs			100.00
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Report Preparation

40.00

Geochem. Sample Analysis

68 X \$5.80			<u>394.40</u>
			<u><u>\$759.69</u></u>

(\$600.00 of the above to be applied to Jimmy mineral claim as per Form B filed July 22, 1974 - copy attached)

And I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath and by virtue of the "Canada Evidence Act."

Declared before me at the City  
 of Vancouver, in the  
 Province of British Columbia, this  
 day of VANCOUVER, B. C., A.D.

*James J. McDougall P.Eng.*

VANCOUVER, B. C. AUG 6 1974

Sub-Mining Recorder

*[Signature]*  
 A Commissioner for taking Affidavits within British Columbia or  
 A Notary Public in and for the Province of British Columbia.

AUG 8 1974

*[Signature]*  
 Sub-Mining Recorder



DEPARTMENT OF MINES AND PETROLEUM RESOURCES

MINERAL ACT (Section 51) FORM B

Affidavit on Application for Certificate of Work

1. I, D. H. BROWN (Name) Agent for J. J. McDougall (Name) #500 - 1112 W. Pender St. (Address) #500 - 1112 West Pender St. (Address) Vancouver, B.C. V6E 2S3 Vancouver, B.C. V6E 2S3 Free miner's Certificate No. 120669 Free Miner's Certificate No. 120669 Date issued May 15, 1973 Date issued May 15, 1973

make oath and say:

2. I have done, or caused to be done, work on the Jimmy Mineral Claim(s)

Record No.(s) D-42

situate at Franklin Creek in the Greenwood Mining Division, to the value of at least 600 dollars. Work was done from the 21st day of July 1973, to the 21st day of July 1974.

3. The following is a detailed statement of such work done in the twelve months in which such work is required to be done.

(COMPLETE APPROPRIATE SECTION(S) A, B, C, BELOW)

A. PHYSICAL (Trenching, drilling, tunnelling, and overburden removal.) (State dimensions of trenching, open pits, etc., footage drilled, and diameter of hole for drilling.)

Table with 2 columns: Description of work and COST. Includes a TOTAL row at the bottom.

I wish to apply \$ of this work to the claims listed below. (State number of years to be applied to each claim.)

APPENDIX B



**FALCONBRIDGE NICKEL MINES LIMITED**

1112 West Pender Street, Vancouver 1, B.C., Canada

Telex 04-53245

Telephone (604) 682-6242

July 21, 1974

The Mining Recorder,  
Greenwood Mining Division,  
Grand Forks, B.C.

Dear Sir,

Re : Statement of Qualifications

This is to certify that the geochemical work done on the Jimmy Mineral claim and presented in this report was done under my direction.

The analytical geochemical work was supervised by Dr. Ivor Elliott, P. Eng., of the Falconbridge staff.

Messrs. A. Topp and E. McDougall are prospectors of long standing, thoroughly familiar with the technical work involved, and R. Esson is a Falconbridge staff surveyor and draughtsman.

I am a graduate in geology from the University of British Columbia, and a member of the Association of Professional Engineers of British Columbia.

Yours very truly,

A handwritten signature in cursive script, appearing to read "J.J. McDougall". The signature is written in black ink and is positioned above the printed name.

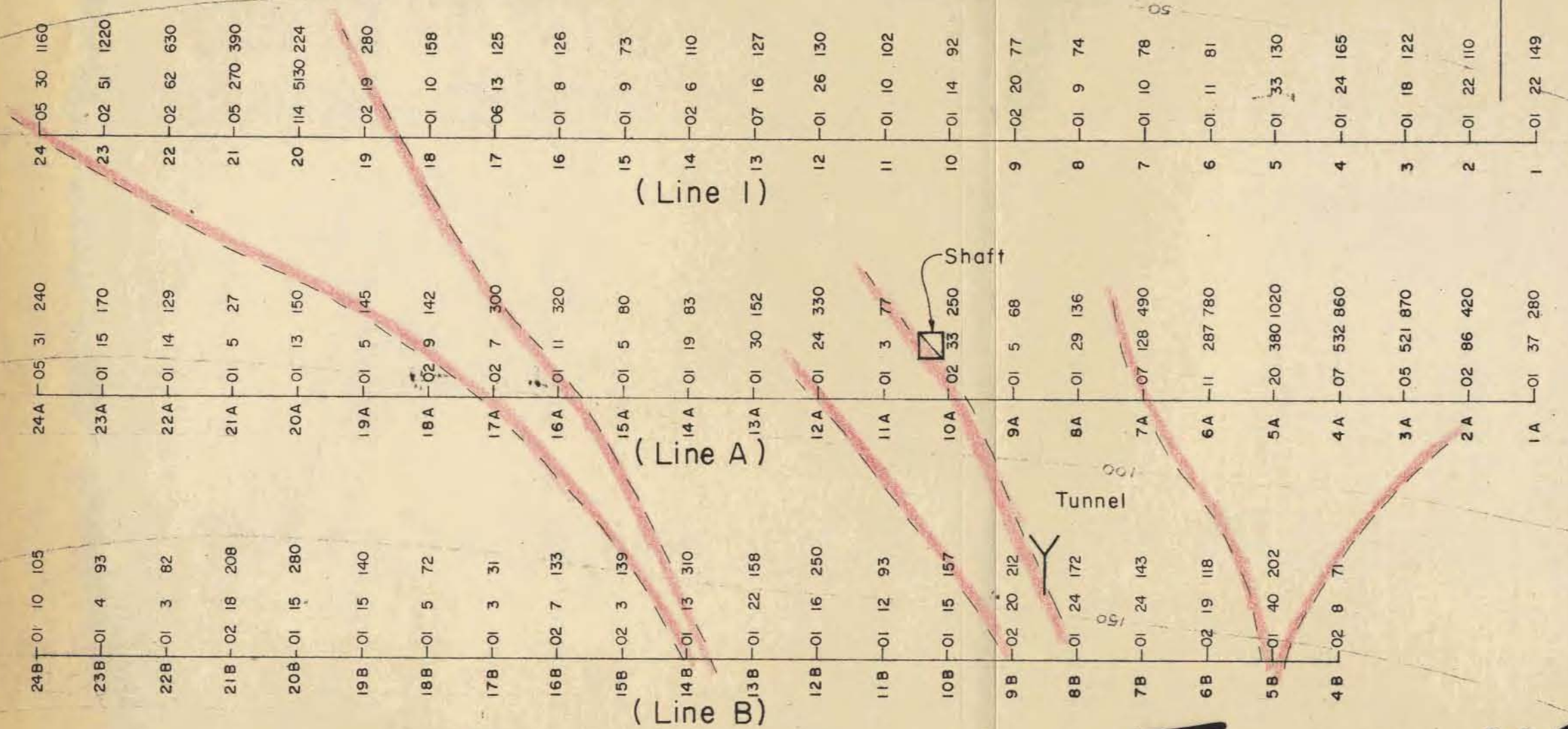
J.J. McDougall, P. Eng.



MAP REF. No.:

N.T.S.: 82-E-9

Soil Sample no.	p.p.m.		
	Ag (tenths)	Pb	Zn
24A	05	31	240



Form Lines

Outline of Possible Anomalous Area.



*James H. Douglas*

FALCONBRIDGE NICKEL MINES LTD.

PROPERTY: Jimmy MC

LOCATION: Franklin Ck., Greenwood MD

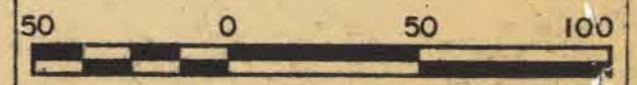
TYPE OF MAP: Geochemical Ag-Pb-Zn

BASED ON:

DATE OF WORK: July 18-24

DATE: July / 74

DRAWN BY: RJE



SCALE: 1 INCH TO 50 feet

**5080 M3**

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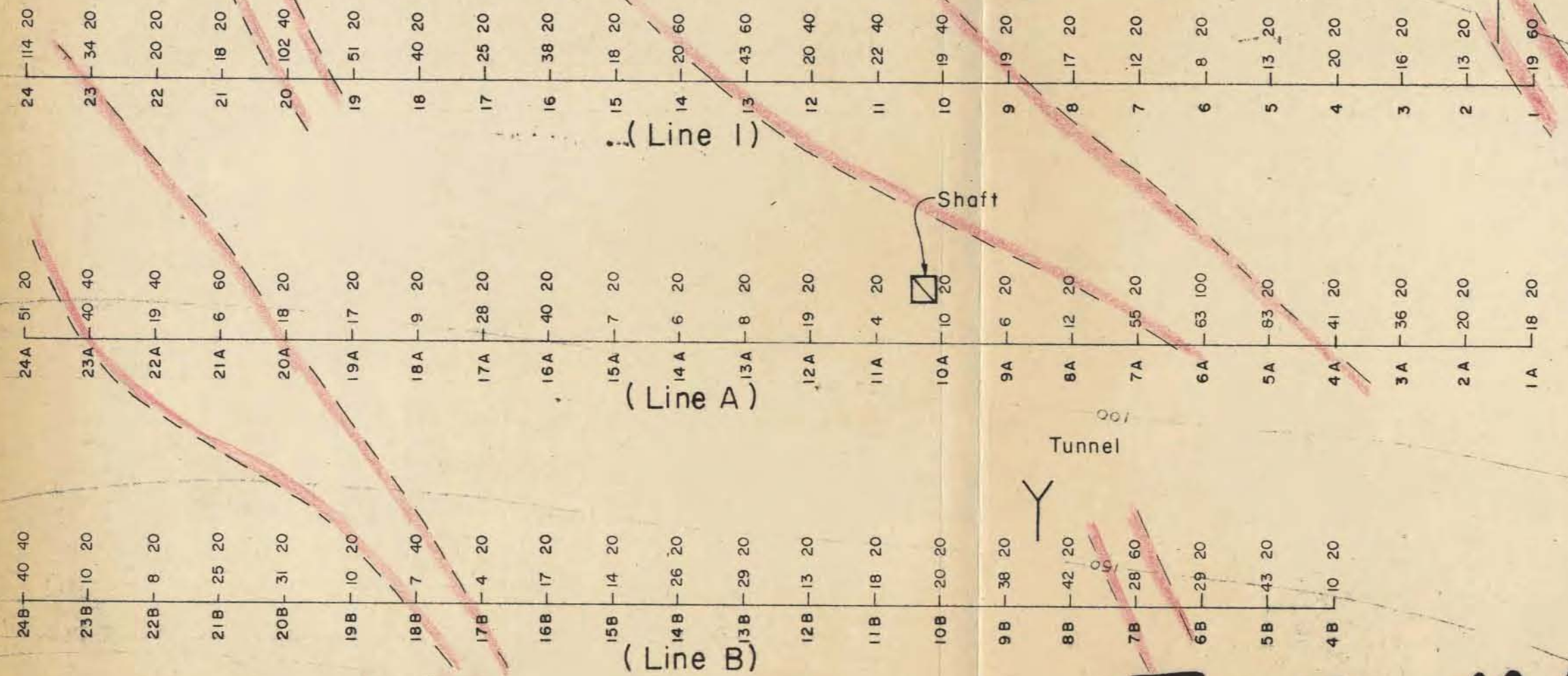
MAP REF. No.:  
N.T.S.: 82-E-9

Soil Sample Cu Hg  
no. (ppm) (ppb)  
24A 51 20



50 Form Lines

Outline of Possible Anomalous Area



*James McDougall*

FALCONBRIDGE NICKEL MINES LTD.

PROPERTY: Jimmy MC

LOCATION: Franklin Ck.,  
Greenwood MD

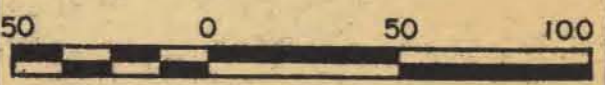
TYPE OF MAP: Geochemical  
Cu - Hg

BASED ON:

DATE OF WORK: July 18-24

DATE: July / 74

DRAWN BY: RJE



SCALE: 1 INCH TO 50 feet

**5080 M4**

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NO. 5080 MAP #4