

ASSESSMENT REPORT

Manson Mineral Claim

Fort Steele M. D.

NTS 82G/4W and 82F/1E

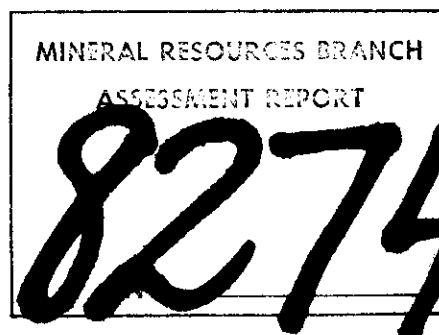
Long.: 116⁰00'00"W

Lat.: 49⁰08'30"N

Owner & Operator: St. Eugene Mining Corporation Limited

Authors: John R. Wilson

S. Presunka



24 June, 1980

TABLE OF CONTENTS

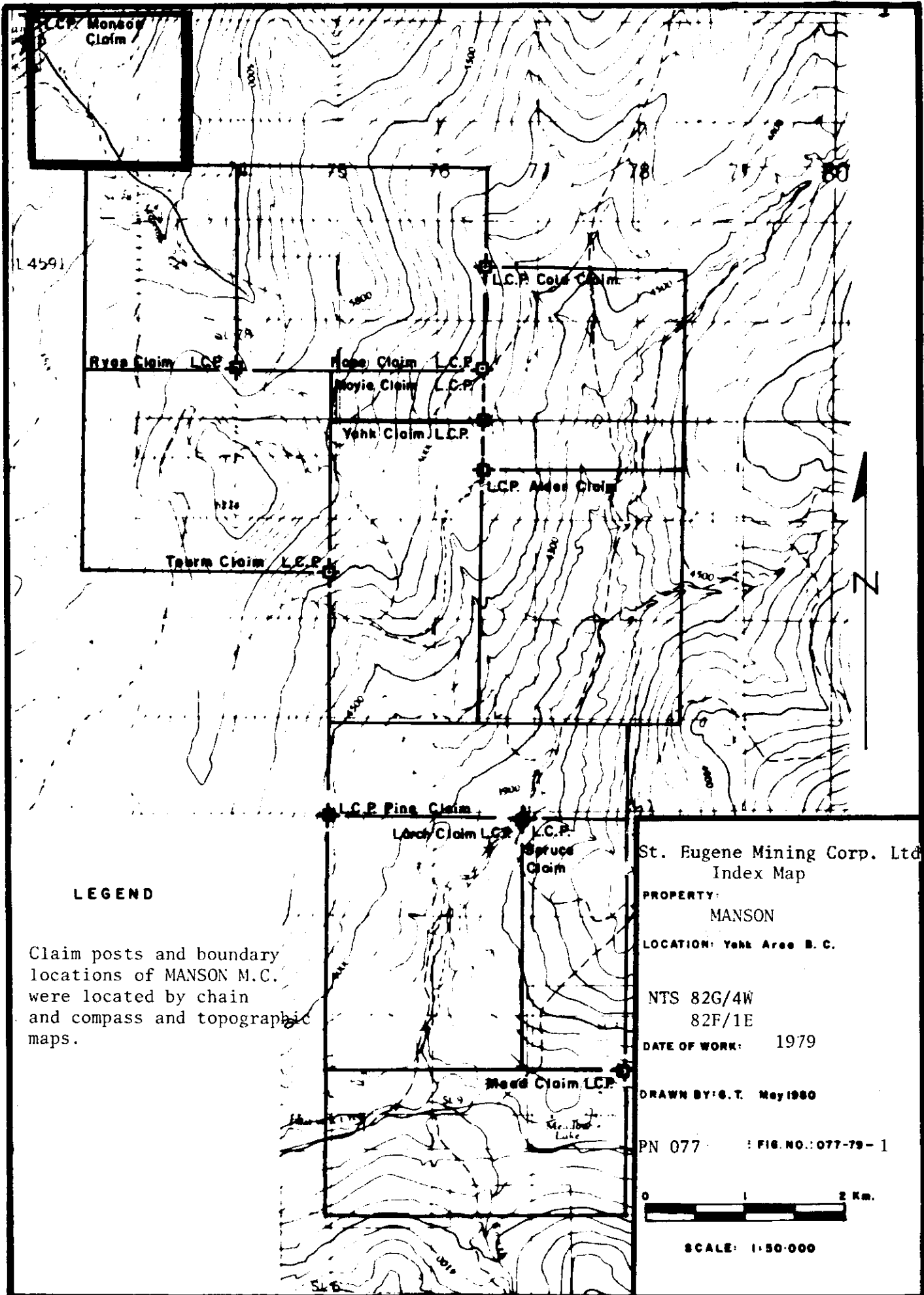
	<u>Page</u>
INTRODUCTION	2
DETAILED DATA	3
INTERPRETATION OF DATA	4
STATEMENT OF COSTS	6
AUTHOR'S QUALIFICATIONS	7

MAPS

Index Map	1
---------------------	---

FIGURE NO.

077 - 79 - (2)	Geochemistry (soil)	in pocket at back.
077 - 79 - (3)	Geophysical (EM-16)	in pocket at back.
077 - 79 - (4)	Geophysical (mag)	in pocket at back.



LEGEND

Claim posts and boundary locations of MANSON M.C. were located by chain and compass and topographic maps.

**St. Eugene Mining Corp. Ltd
Index Map**

PROPERTY:
MANSON
LOCATION: Yehk Area B. C.
NTS 82G/4W
82F/1E
DATE OF WORK: 1979

DRAWN BY: S.T. May 1980
PN 077 : FIG. NO.: 077-79-1



SCALE: 1:50,000

INTRODUCTION

The Manson claim (9 units) is located approximately 9 km northeast from Yahk, B. C. It covers the lower portion of Manson Creek from elevation 1342 metres to 945 metres.

Access is provided by an old logging road that leaves highway 3 about 2 km southwest from Ryan station.

The claim was staked in the summer of 1979 and work consisted of:

- establishing a total of 12.06 km. of grid by chain and compass,
- collecting and analysing a total of 103 soil samples for Cu, Pb, Zn, Ag,
- collecting and analysing a total of 43 soil samples along the sides of Manson creek for Cu, Pb, Zn, Ag, Cd.
- 9.52 km. of line was surveyed with a proton magnetometer. Readings were taken at 20 metre intervals,
- 11.40 km. of line was surveyed with an EM-16 at 20 metre intervals.
- 1.42 km. of road was surveyed by both geophysical instruments at 20 metre intervals.

All work was on the Manson claim.

The current owner and operator is St. Eugene Mining Corporation Limited.

None of the work produced encouraging results. No geochemical or geophysical anomalies were found that warranted follow up.

DETAILED DATA

Physical Work

A total of 12,060 metres of grid was established by chain and compass and was marked by surveyor's ribbon

Geochemical Work

Soil sampling part of a grid at 60 metre intervals produced a total of 103 samples. Soil sampling both sides of part of Manson creek at 60 metre intervals produced a total of 43 soil samples. Each sample came from the B-horizon at depths varying from 5 to 25 cm. but usually at about 15 cm. Mattocks were used to recover the soil which was placed in Kraft paper envelopes and sent to Bondar - Clegg and Co. Ltd. of North Vancouver, B. C. for sample preparation and analysis. The -80 mesh fraction was analysed by normal geochemical techniques (Cu, Pb, Zn, Cd & Ag was extracted by the Hot Aqua Regia and then analysed by atomic absorption).

Geophysical Work

A proton magnetometer and electromagnetic (VLF) survey was carried out. Instruments used were

- 1) Barringer Proton Magnetometer. Model GM 1222, serial no. 6282 (vertical field component),
- 2) Ronka EM-16 (VLF). Serial No. 2. VLF station 18.6 (Seattle).

9.52 Kilometres of line was surveyed with the magnetometer and 11.40 km. of line was surveyed with the EM-16. 1.42 km. of road was surveyed by both instruments. Readings were taken at 20 metre intervals and the results corrected for diurnal variation but the differences were negligible.

INTERPRETATION OF DATA

(from S. Presunka's geophysical report):

Magnetometer Survey

Two magnetic base stations were established for diurnal correction - one at B.L.O.+00 and the other 20 metres north of the bridge, at the east end of L-7-S, on the road.

The magnetic relief is from 57987 to 58440 gammas (total field), a difference of 443 gammas.

The magnetic anomaly on lines 4S and 5S, some 340 metres west of the baseline correlates well with the EM-16 conductor. The magnetic contoured results indicates a west dipping structure. The magnetic anomaly which crosses lines 4S and 5S at about 2+40 west follows the EM trend for 120 metres.

Anomalies on line 3S, from 480 to 500 metres west and on line 0 from 540 E to 600 W require follow up to located the extent of the magnetic anomaly.

Electromagnetic Survey

The No. 1 conductor, located on lines 4S and 5S at about 360 metres west correlates well with the magnetic anomaly. This conductor is likely due to a sulphide zone at depth, about 75 metres down. Conductors 1, 2 and 3 suggest the rim of a funnel shaped structure. The secondary conductor, which crosses the base line at 1+40 S strikes in east-west direction, has no magnetic correlation and is likely due to an intense shear or fault. The No. 2 conductor, at line 7S, 3+00 W suggests a steep north dip.

Geochemical Survey

Almost all geochemical results are low. No further work based on geochemical data can be recommended. Cu usually ranged from 5 to 30 ppm with an isolated high of 187 ppm. Pb usually ranged from 10 to 20 ppm. Zn usually ranged from 30 to 70 ppm with an isolated high of 143. Ag and Cd were usually 0.2 ppm. Ag reached 0.4 in one place.

Conclusions

All the geophysical anomalies roughly coincide with contact zones of a gabbroic dyke intruding Aldridge formation sedimentary rocks.

No geochemical anomalies coincide with the geophysical anomalies. Only a few, scattered, slightly higher than normal soil geochemical results were found.

The results of geochemical and geophysical work suggest no economic potential for this ground.

John R. Webb

STATEMENT OF COSTS

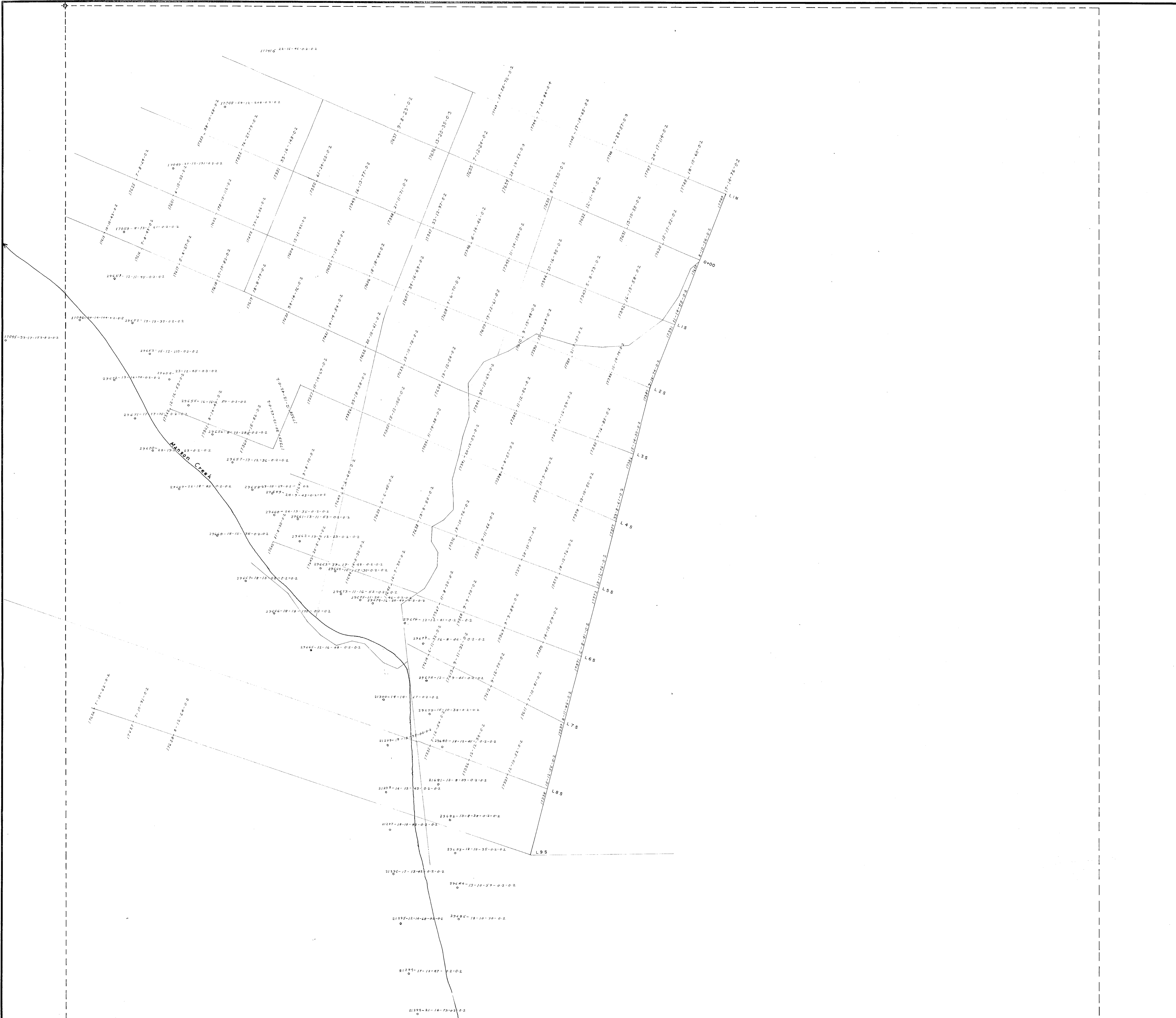
1 man, 8 days geophysical field work (June 20 to June 27) @ \$150/day wages	\$1200.00
1 man, 1 day geophysical office work June 28 @ \$100/ day wages	100.00
1 man, 2 days (June 20, 21) @ \$40/day wages, making grid	80.00
2 men, 2 days (June 28, 29) @ \$40/day wages soil sampling	160.00
2 men, ½ day each (28 July) soil sampling side of Manson Creek @ \$40/day each , wages	40.00
14 man days (see above) @ \$15/day food and accomodation	210.00
11 days (June 20-29, July 28) truck rental @\$20/day	220.00
103 soil samples analysed for Cu, Pb, Zn , Ag at \$3.75/sample	386.25
146 soil samples prepared for analysis at \$0.45/sample	65.70
Preparation of assessment report (writing, drafting, typing, etc.)	204.00
43 soil samples analysed for Cu, Pb, Zn, Ag, Cd @ \$4.10 / sample	176.30
Total	<hr/> 2842.25

AUTHOR'S QUALIFICATIONS

John R. Wilson graduated from the University of B.C. in 1972 with a BSc (honours geology) and has worked for the Falconbridge Nickel Mines group of companies since graduation as an exploration geologist.

The geophysical field work and report was by S. Presunka of Presunka Geophysical Explorations Limited of Vancouver, a geophysist well known to the Falconbridge organization for over twenty years.

The project was supervised by Leslie A. Tihor, project geologist a Phd candidate at McMaster University (geology).

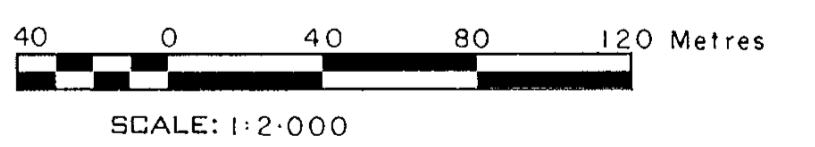


LEGEND

- No.-Cu.-Pb.-Zn.-Ag.-Cd. in ppm
- No. | Cu.-Pb.-Zn.-Ag. in ppm.

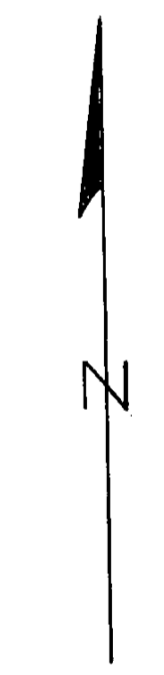
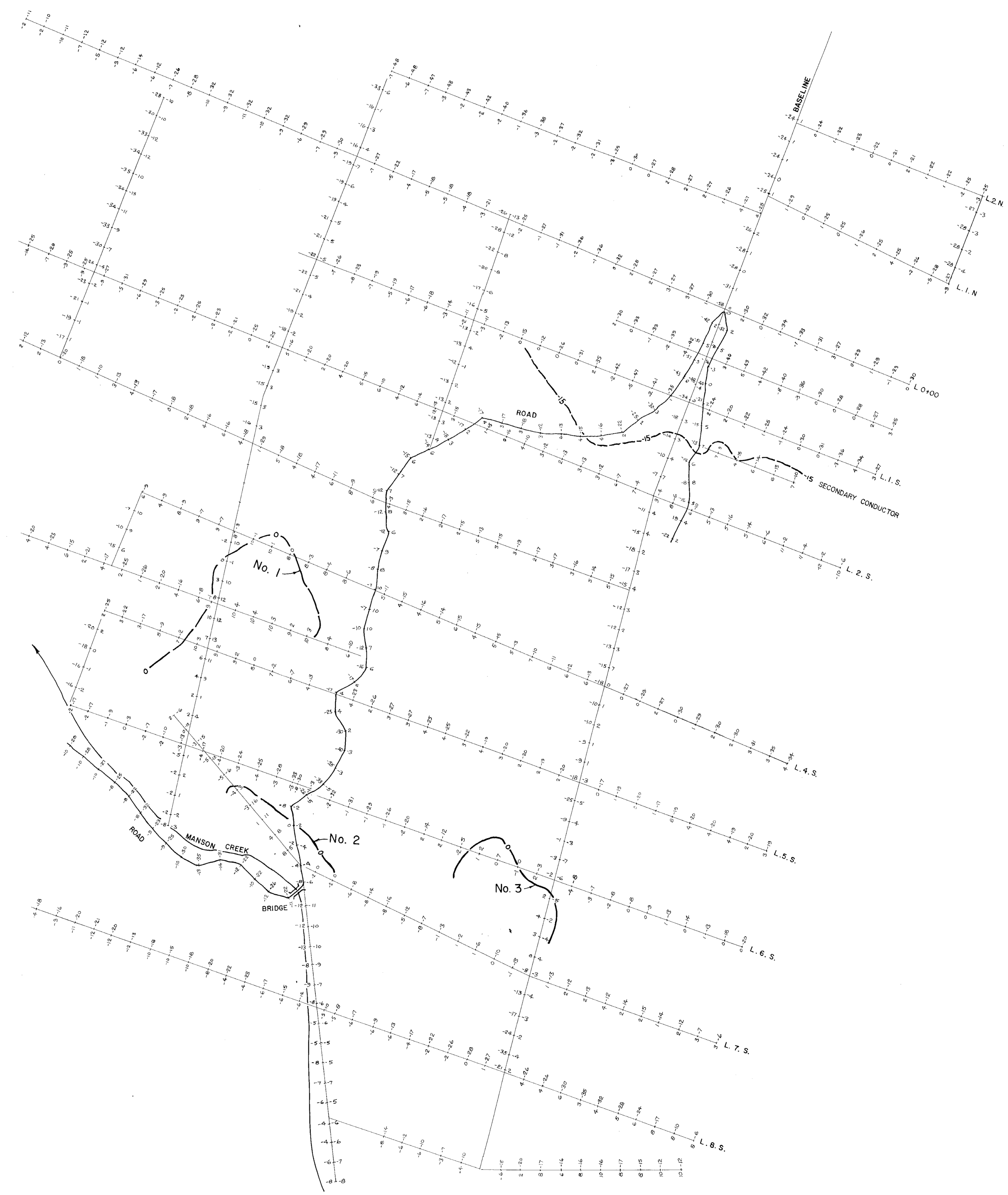
MINERAL RESOURCES BRANCH
ASSESSMENT REPORT

8274



FALCONBRIDGE NICKEL MINES LIMITED	
PROPERTY: Manson Claim	PROJECT NO.:
LOCATION: Manson Creek Yohk Area B.C.	
TYPE OF MAP: Geochem (Soil)	
WORKING PLACE:	
BASED ON: Fieldwork by L. T.	
DATE OF WORK: Summer 1979	MAP REF. NO.:
DRAWN BY: G. T.	FIG. NO.:
DATE: May 1980	N.T.S. NO.: 82-F-1 077-79-2

Manson Claim L.C.P.



LEGEND

-12 -6	Quadrature %
-8 2	
0 -1	In Phase %
3 2	
5 8	

MINISTRY OF MINES COUNCIL
 8274

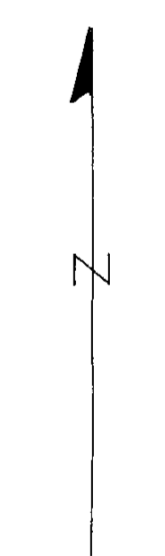


FALCONBRIDGE NICKEL MINES LIMITED		
PROPERTY:	Manson Claim	
LOCATION:	Manson Creek Yehk Area B.C.	
TYPE OF MAP:	Geophysical (E.M. 16 VLF S.T. 18-6)	
WORKING PLACE:		
BASED ON:	Fieldwork by S. P.	
DATE OF WORK:	June 1979	MAP REF. NO.:
DRAWN BY:	G.T.	FIG. NO.:
DATE:	May 1980	N.T.S. NO.: 82-F-1
		077-79-3

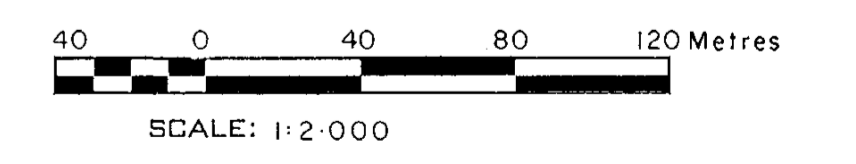
Manson Claim L.C.P.



Total Intensity Magnetic Field
 Values are Relative, I.E.
 58000 G (All reading above 58000 Gammas
 Magnetometer Survey Inst. Proton Magnetometer)



MINERAL RESOURCES BRANCH
 ASSESSMENT REPORT
8274



FALCONBRIDGE NICKEL MINES LIMITED

PROPERTY:		PROJECT NO.:
Manson Claim		
LOCATION:		
Manson Creek Yakh Area B.C.		
TYPE OF MAP:		
Geophysical (Mag)		
WORKING PLACE:		
BASED ON: Fieldwork by S. P.		
DATE OF WORK: June 1979	MAP REF. NO.:	FIG. NO.:
DRAWN BY: G.T.		
DATE: May 1980	N.T.S. NO.: 82-F-1	077-79-4