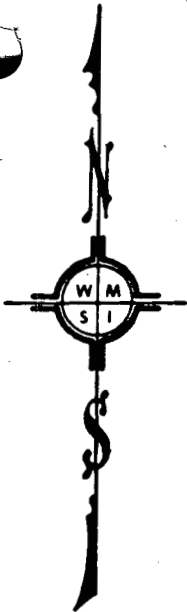


WHITING MINING SERVICES INTERNATIONAL LTD.

1035 GREENWOOD PLACE, WEST VANCOUVER, B.C. CANADA.

V 7 5 - 1 Y 2

(604) 926 - 5270



PERCUSSION DRILLING REPORT

Richfield #1, #2, #3, #4, #5, #6, CDF #1, #2, & #3
Mineral Claims. Omineca M.D.

Latitude : N 54°34'; Longitude W 126° 14'

NTS : 93 L 9 E & 9 W.

Work Program Carried out by Cobre Exploration Ltd.

Consultants : Whiting Mining Services International Ltd.

Author: F.B. Whiting, Geological Engineer,
Ph.D, P.Eng.

Date of Work : Nov. 28 - Dec. 7 , 1980

Date of Report : May 19, 1981.

Claims: Richfield #1,	Record #	1780	(5)
Richfield #2,	"	1781	(5)
Richfield #3,	"	2050	(9)
Richfield #4,	"	2051	(9)
Richfield #5,	"	2397	(12)
Richfield #6,	"	3480	(12)
CDF #1	"	1727	(4)
CDF #2	"	1728	(4)
CDF #3	"	1729	(4)

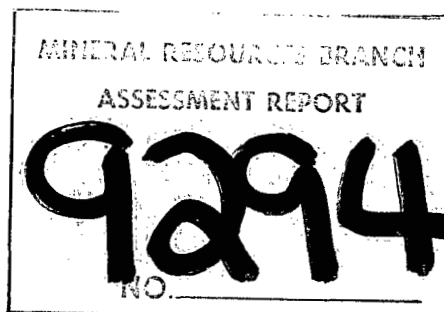


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LIST OF ILLUSTRATIONS

Fig. 1 : Location Map

Fig. 2 : Claim Map

Fig. 3 : Surface Plan . In pocket.

Fig. 4 : Cross Section, Holes 80-21 & 80-27. In pocket.

A. INTRODUCTION

PROPERTY & LOCATION

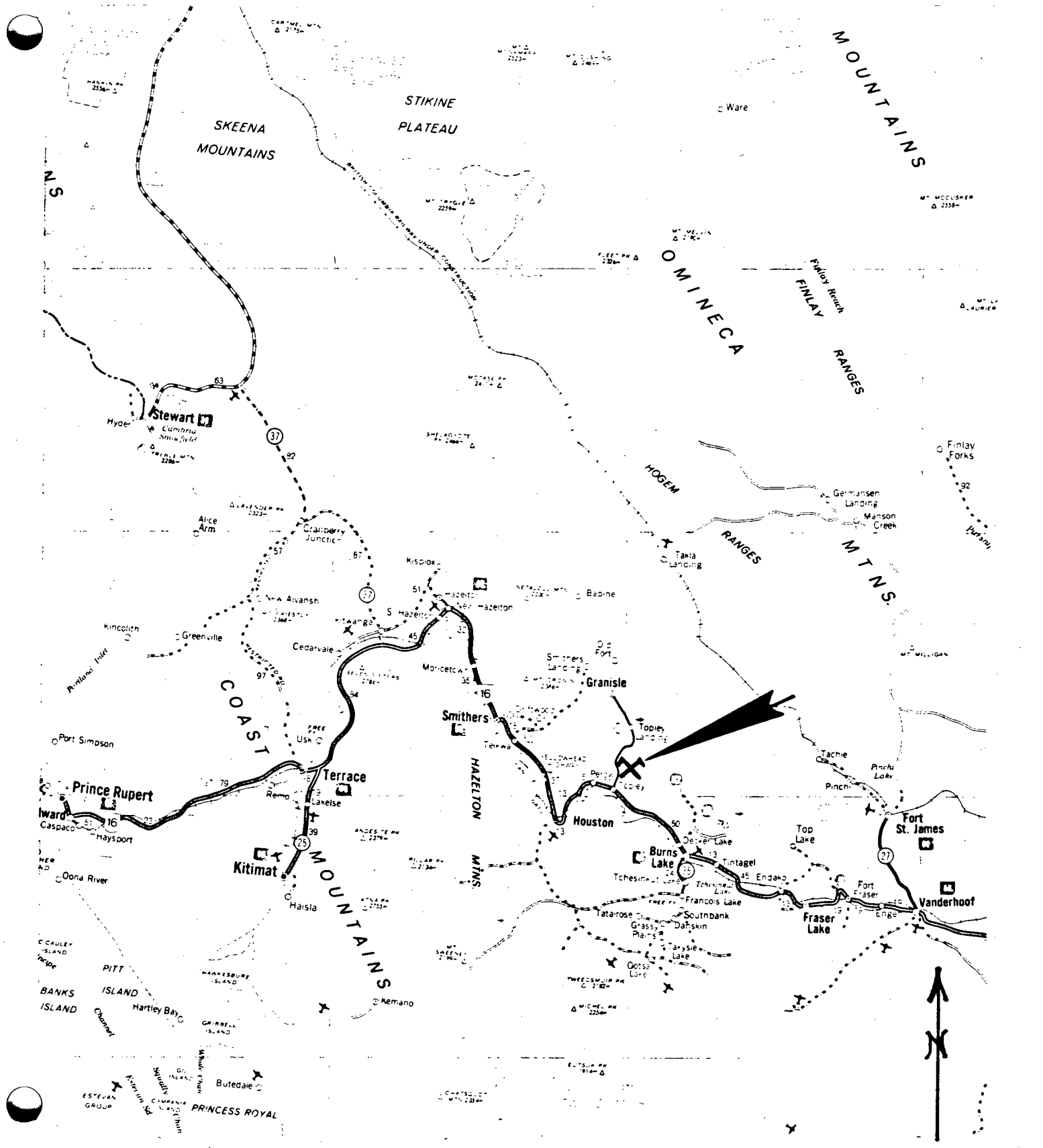
The Richfield claims are situated from 4 to 13 km north of Topley, B.C., in the Omineca M.D., on NTS maps 93 L 9E and 9W, at elevations of 1000-1400 m, at Latitude N 54°34', Longitude W 126° 14'. Access is by a dirt road that branches from the Topley-Granisle Highway 10 km north of Topley & thence 3 km east to the work site.

HISTORY

The showings were discovered in 1927, and work was carried out on surface and on two underground levels from 1928 to 1929. The workings were de-watered and sampled by Silver standard Mines in 1954-57. Four holes were drilled by Canadian Superior Explorations in 1975. Geophysical surveys were made by Cobre Exploration Ltd in late 1979, and that company drilled many holes in the period April-December 1980. This report covers the final hole drilled after November 27, 1980, and the road work for access to the drilling site, plus reclamation. A report filed earlier covered the previously-drilled holes.

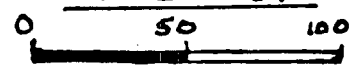
ECONOMIC POTENTIAL

Reserves indicated by the old mine workings and the



LOCATION MAP.

FIG. 1.



M 93L/9W

M 93L/9E

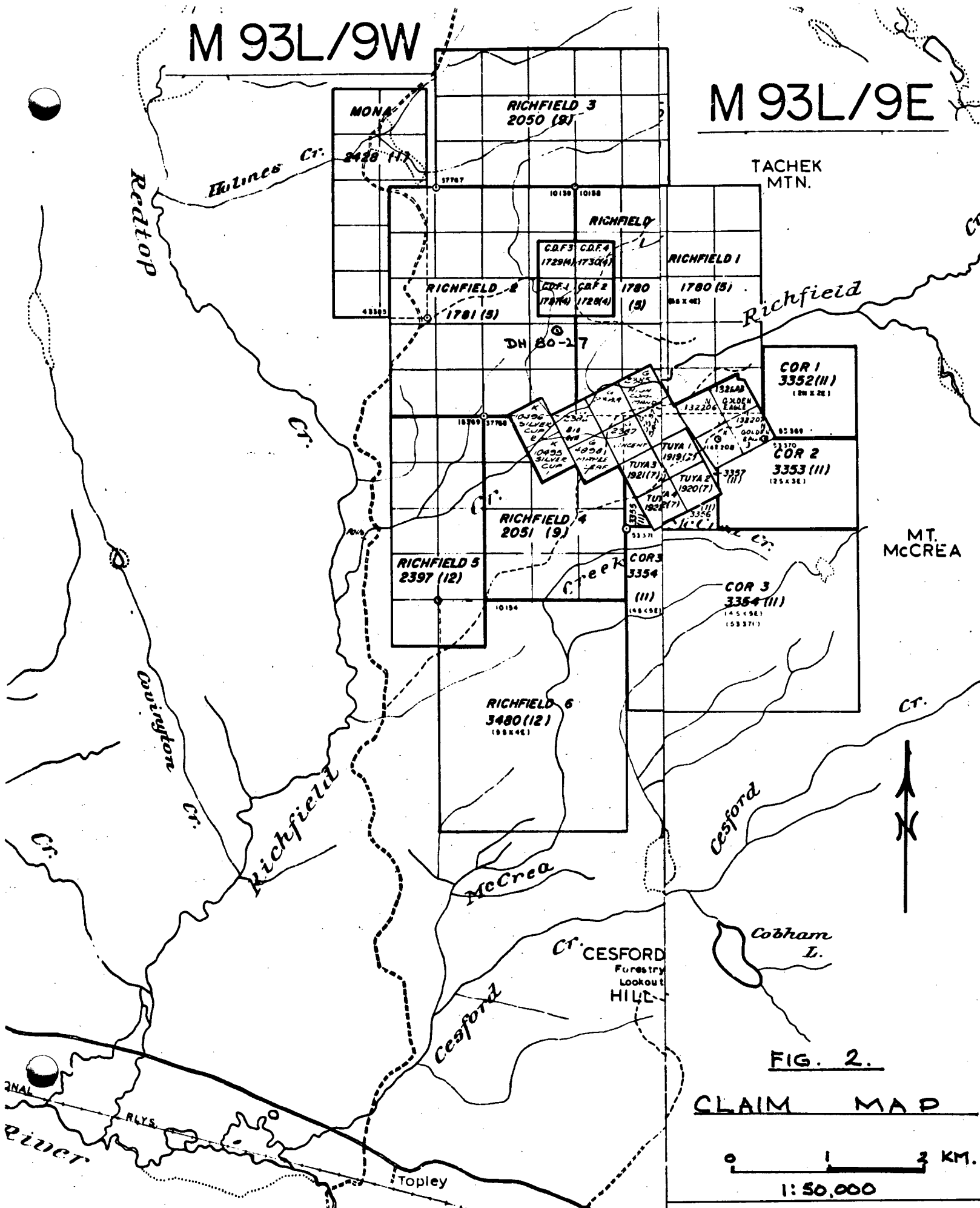


FIG. 2.

CLAIM MAP



1:50,000

OMINECA MINING DIVISION

1980 drilling amount to 200,000 tons grading 3.8 grams of gold per ton and 174 gms silver per ton, with minor lead, zinc, copper, and cadmium. The deposit is of the volcanogenic type and offers the potential for finding much larger tonnages.

WORK SUMMARY

The work covered by this report includes the drilling of Hole # 80-27 to a depth of 151.48 metres, road construction to the drilling site, and reclamation work in cutting fallen trees into short lengths as required by the Mines Inspector. Logging and report preparation and map drafting costs are included. The hole diameter was 5 1/2 inches. The road is 300 m long, 6 m wide.

The work was done on the Richfield #2 M.C., record # 1781 (5). Some of the road construction was on Richfield #1 M.C., # 1780 (5).

B. TECHNICAL DATA & INTERPRETATION

Purpose of Drilling, and Result

Earlier drillholes had found good-grade gold-silver mineralization as beds within a sequence of acidic pyroclastic rocks belonging to the Jurassic Hazelton formation.

The host beds strike north and dip west at about 45°. Hole 80-27 was drilled as a step-out to the south to follow the host unit and test it for repetitions of the mineralized layers. The hole was drilled with a combined rotary and down-the-hole percussion rig; it was planned to stop this type of drilling once the beds overlying the ore-host unit had been penetrated and to then move a coring drill on to the site to extend the hole by coring through the potential ore layer.

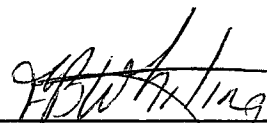
The hole encountered 54.86 m of overburden and then entered the overlying formation which consists of chloritized andesite with some layers of ultrabasic rock. It penetrated into the acidic pyroclastic host unit for a length of 2.14 m, showing cuttings with strong alteration and considerable pyrite. The rotary/percussion drill was then moved off. Owing to technical problems and the onset of extremely cold weather the coring drill was not put on the hole in December, 1980; it is planned to complete the hole through the ore-host unit in 1981.

Conclusions:

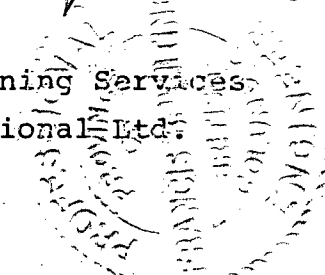
The presence of strong alteration in the tuffaceous beds, plus the presence of pyrite right at the top of that unit, are considered to suggest that mineralization can be expected to occur some tens of metres below the point

reached. Continuation of the hole is strongly recommended. Other holes should also be drilled farther to the south, following the same formation.

Respectfully submitted,



F.B. Whiting, Ph.D., P.Eng.
President,
Whiting Mining Services
International Ltd.




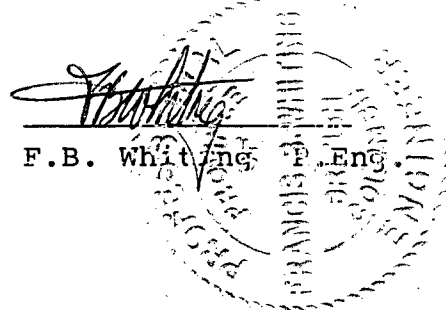
Core Storage:

The cuttings from this hole were bagged and labelled and are stored in the core storage building on the property.

C. ITEMIZED COST STATEMENT

<u>Item</u>	<u>Dates</u>	<u>Rate</u>	<u>Total \$</u>
<u>Personnel:</u>			
A. Danbert - field helper	Dec.7-8/80	\$ 8.00/hr for 20 hrs +CPP,UI	\$ 168.00
C. Merrill - slashing crew	Nov.28- Dec.6 /80	\$ 7.50 /hr for 8 days, 8 hrs per day	\$ 480.00
L. Merrill - slashing crew	Nov.28- Dec.5 /80	\$ 7.50/hr, 8 hrs per day, 7 days	\$ 420.00
K. Critch - Slashing crew	Nov.28- Dec.4 & 6	\$ 7.50/hr, 8 hrs per day, 7 days	\$ 420.00
L. Halfe - slashing crew	Nov. 28- Dec.5 /80	\$ 7.50 /hr, 8 hrs per day, days	\$ 420.00
<u>Equipment Rental</u>			
Bulldozer : road to drilling site & site preparation	Nov.28,29	\$ 60/hr,15 hrs	\$ 900.00
<u>Rotary & Percussion Drilling</u>			
Long Drilling Co.	Nov.30 - Dec.3 /80	\$ 38.00/metre for 151.48 m	\$ 5,756.24
<u>Drafting & Report Preparation</u>			
F.Whiting - geol.engineer	May 14-17 1981	\$ 200/day for 4 days	\$ 800.00
Xeroxing, report covers			\$ 8.00
<u>TOTAL EXPENDITURES.....</u>			<u>\$ 9,372.24</u>


 F.B. Whiting, P. Eng.



D. STATEMENT OF QUALIFICATIONS

NAME: WHITING, Francis B., P.Eng.

PROFESSION: Geological Engineer.

EDUCATION: B. App. Sci. in Geological Engineering,
University of British Columbia.
M.Sc. in Geology, McGill University.
Ph.D. in Geology and Economics, Massachusetts
Institute of Technology.

PROFESSIONAL ASSOCIATIONS:

Registered Professional Engineer, Province
of British Columbia.
Registered Professional Engineer, Yukon Terr.
Member, Society of Economic Geologists.

EXPERIENCE:

Pre-graduate experience in Geology with
Geological Survey of Canada and International
Mining Corporation.
One and One-half years Field Geologist for
Hedley Mascot Gold Mines, Placer Development,
and New Jersey Zinc Explorations, in B.C.
Three years as Mine Geologist, Missouri, for St.
Joseph Lead Co.
Six years as Chief Geologist, Aguilar Mine, for
Compania Minera Aguilar, S.A., Argentina.
Seven years as Exploration Chief in Argentina
for Compania Minera Aguilar S.A.
Five years as Exploration Manager, later General
Manager, for Arrow Inter-America Corporation,
in western and eastern Canada.
Three years as Regional Manager for Western
North America for Brascan Resources Limited.
Three years as Consulting Geologist, as President
of Whiting Mining Services International Ltd.
Active experience in Canada, U.S.A., Mexico,
Honduras, Brazil, Chile, Peru, Argentina,
Australia, Bolivia.

E. LOG SHEET

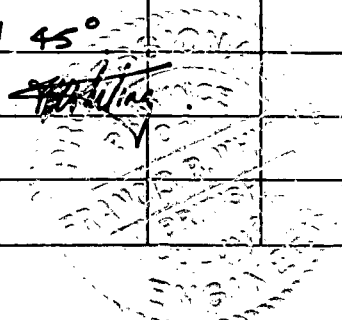
DRILL HOLE RECORD Hole # 80-27 . Location: 550 S - 180 W

Commenced : Nov. 30/80 Completed: Dec. 3 /80 . Core Size: Percussion

Collar Coords: N: 4460.0 E: 4822.00 . Coll. Elev. 1073.8 m.

Logged by: L. Nicolls - F. Whiting . Date: Dec 8 /80 . Page: 1 of 1 .

From m.	To m.	Description	Assays	
			Au	Ag
		Angle of Hole: Vertical -90°		
0.00	54.86	OVERBURDEN		
		Gravel & brown mud.		
54.86	149.34	ANDESITE & ULTRABASICS		
		54.86 - 101.42 : Typical H.W. Andesite, grey matrix, very slightly magnetic		
		101.42 - 110.60 : Dark green ultrabasic, moderately magnetic.		
		110.60 - 124.00 : Reddish (hematitic ?)- speckled andesite.		
		124.00 - 149.0 : Green Andesite & gouge.		
149.34	151.48	FRAGMENTAL ROCK : Tan, pyroclastic, shows layering; abundant carbonate Some <u>pyrite</u> in clastic grains.		
151.48	END			
		SUMMARY : Hole stopped so as to move coring drill on. Top contact of pyroclastic-felsic tuffs was found higher than anticipated, giving dip from DDH 80-21 on east of only 36° instead of expected 45°		



1100m

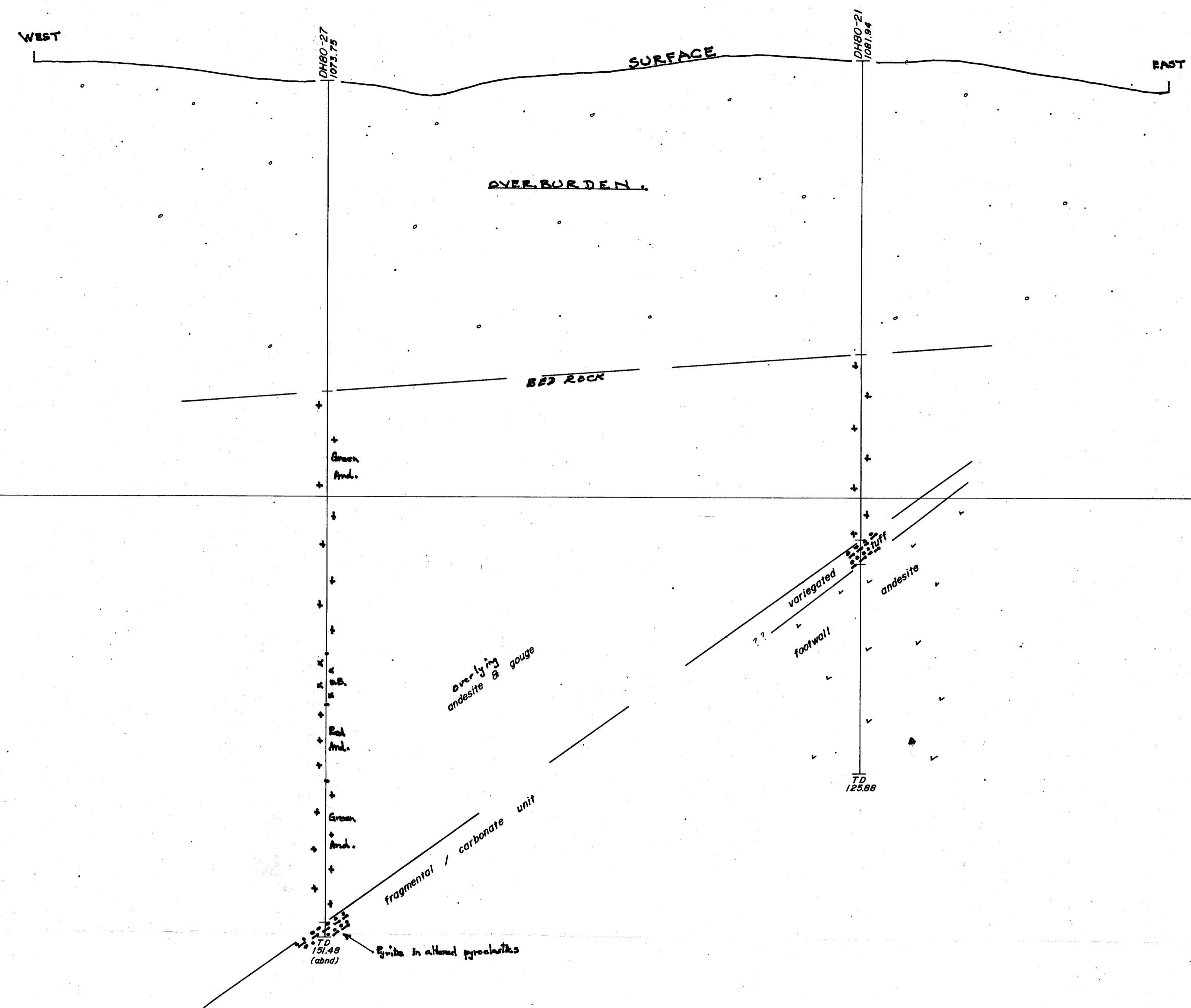
1100m

1000m

1000m

900m

900m



LEGEND

- glacial drift
- overlying andesite
- basic (and ultrabasic?) rocks
- fragmental tuffaceous rocks variably altered to ankerite & dolomite = quartz
- argillite
- andesite (middle and footwall)
- gouge
- breccia
- layering or banding
- sulfide mineralization
- silicification and/or quartz stringers
- bleaching
- mineralized horizon

76m / 262 / 0.92 / 4.96 / 3.35 sample width (metres) / Au (oz t) / Ag (oz t) / Pb (%) / Zn (%)

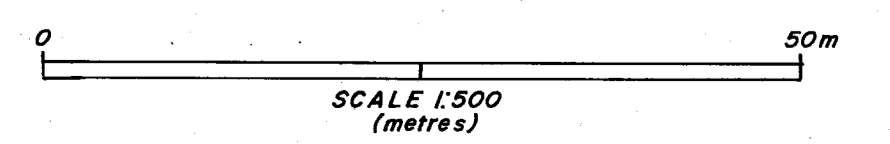
sampled portion of drill hole

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
9294
NO.

[Handwritten signature]

COBRE EXPLORATION LTD.

RICHFIELD PROPERTY
Omineca M.D.
FIG. 4.
SECTION 27-21



Jan, 1981

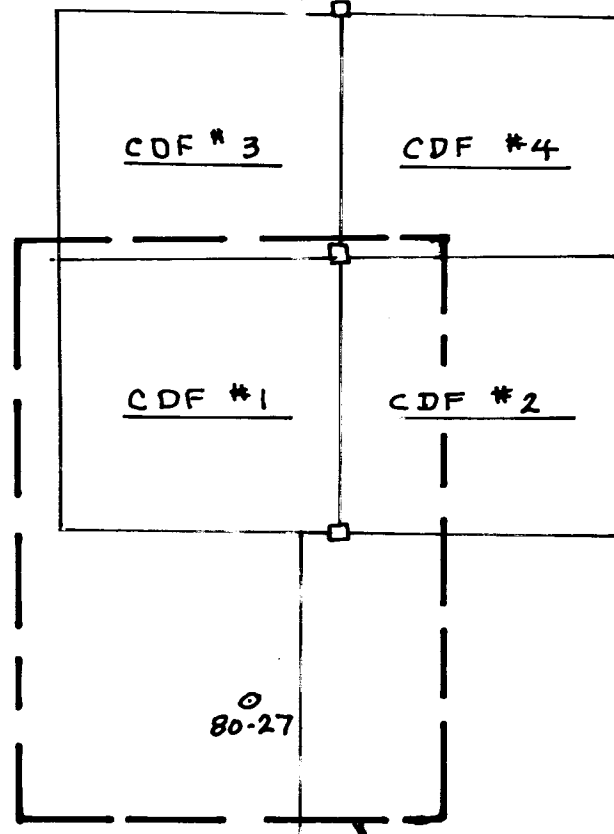
Min-Ex Services Ltd.

INDEX MAP.



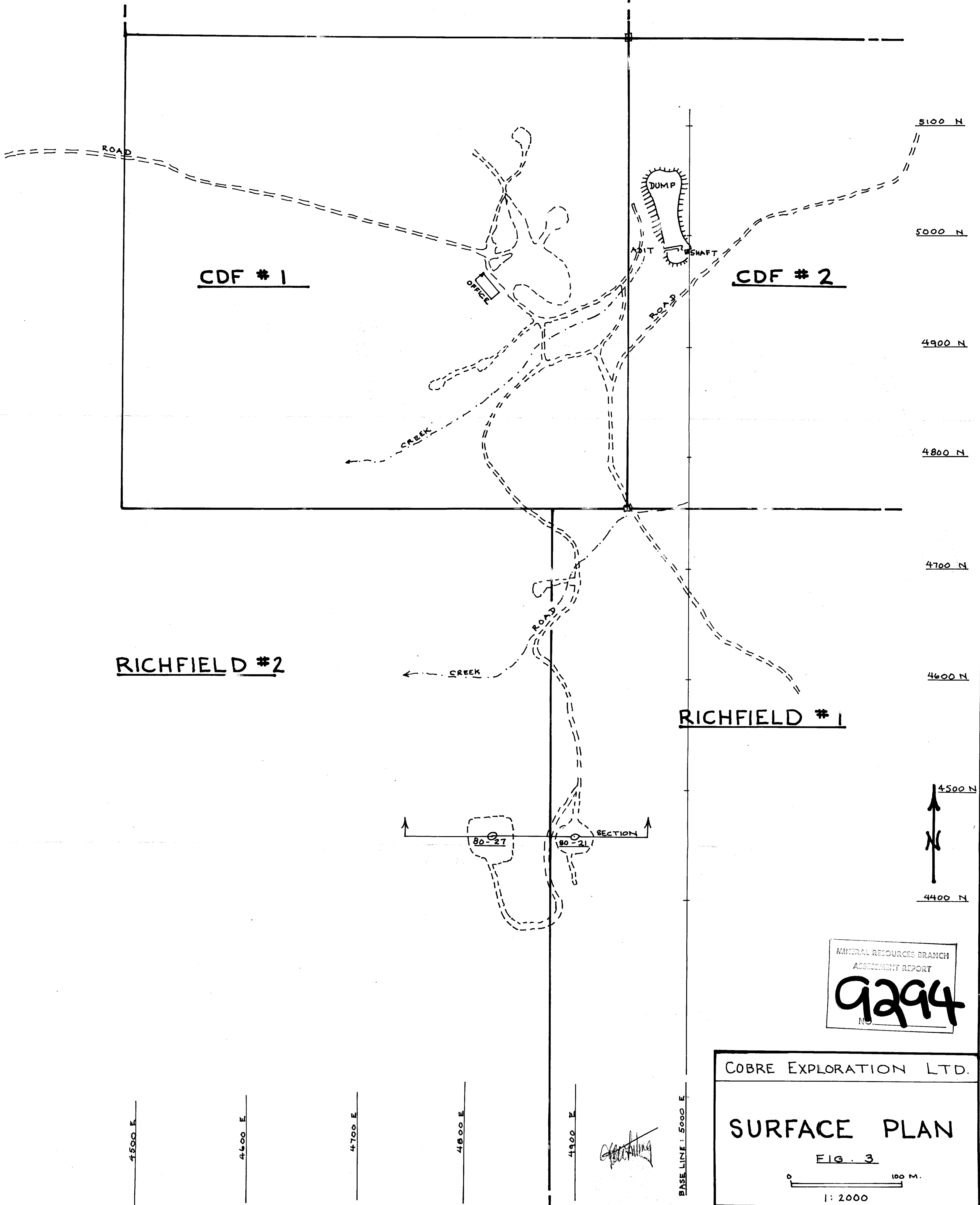
RICHFIELD # 2

RICHFIELD # 1



AREA OF DETAIL MAP.

500 M.



RICHFIELD # 2

RICHFIELD # 1

5100 N
5000 N
4900 N
4800 N
4700 N
4600 N
4500 N
4400 N

4500 E
4600 E
4700 E
4800 E
4900 E

BASELINE : 5000 E

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
9294
NO.

COBRE EXPLORATION LTD.

SURFACE PLAN

FIG. 3

0 100 M.

1: 2000

Drawn By: F. Whiting

Date: May 18 / 81.