

BRENDA MINES LTD.
EXPLORATION GROUP

GEOLOGY and GEOCHEMISTRY (1979)

on
MacCALL #1 CLAIM

Latitude 49° 46' 20", Longitude 119° 47' 20"

Osoyoos Mining Division

N.T.S. 82E/13

Del W. Ferguson

April, 1980

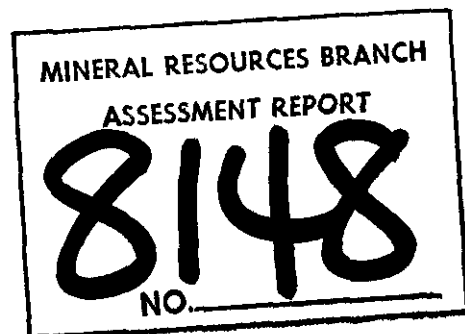


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I INTRODUCTION

Location and Access

The MacCall #1 claim is situated 4 kilometres west of Peachland, B.C., just south of Mount Coldham. Access to the claim is via a 4 km gravel road which branches north off the Brenda Mines road, just west of Peachland.

Claim Inventory

<u>Claim Name</u>	<u>Record No.</u>	<u>No. of Units</u>	<u>Date Staked</u>	<u>Date Recorded</u>
MacCall #1	787	6	April 17,18 1979	May 2, 1979

Geology

The MacCall claim is situated near the contact of a Pennask granodiorite unit and the Nicola volcanics and meta-sediments.

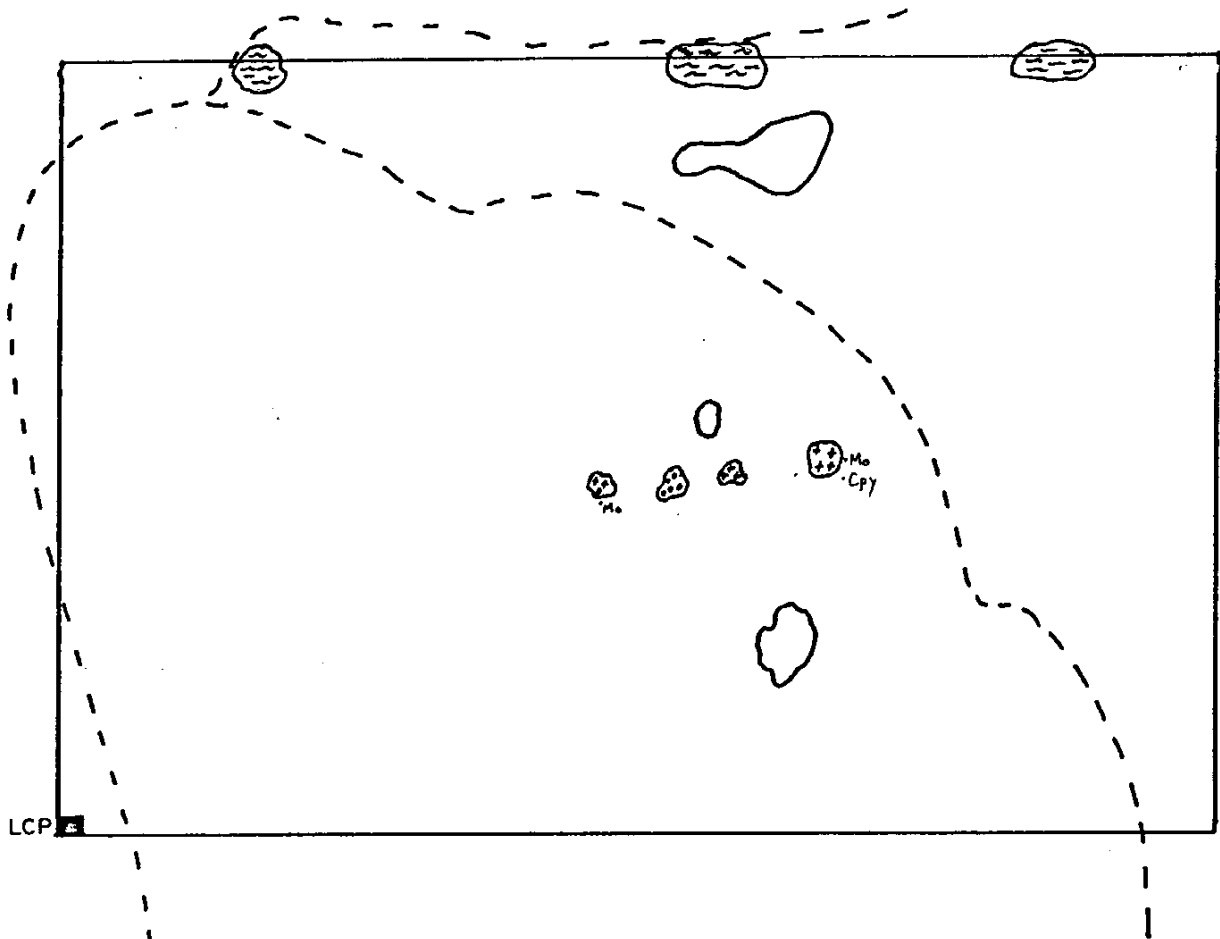
II WORK DONE

a) Geology

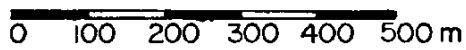
A 250 metre prospecting traverse was accomplished on the property. The prospectors began their traverse at the main showing, a granodiorite carrying molybdenite and chalcopyrite mineralization. A traverse west revealed granodiorite outcrops and one feldspar porphyry unit. No mineralization was encountered in a granodiorite outcrop 250 metres east of the main showing.

Mac Call #1 Claims

GEOLOGY



SCALE 1:10000



LEGEND



GRANODIORITE



FELDSPAR PORPHYRY



METASEDIMENTS

Mo, Cpy

MINERALIZATION

to Peachland

b) Soil Geochemistry

A geochemical survey totalling 1,500 line metres in length was run along the northern claim boundary. A total of 16 soil samples were collected. The samples were sent to Brenda Mines Assay Lab for preparation and analysis.

MacCall #1 Claims

1979 Cu Geochemistry - Soils

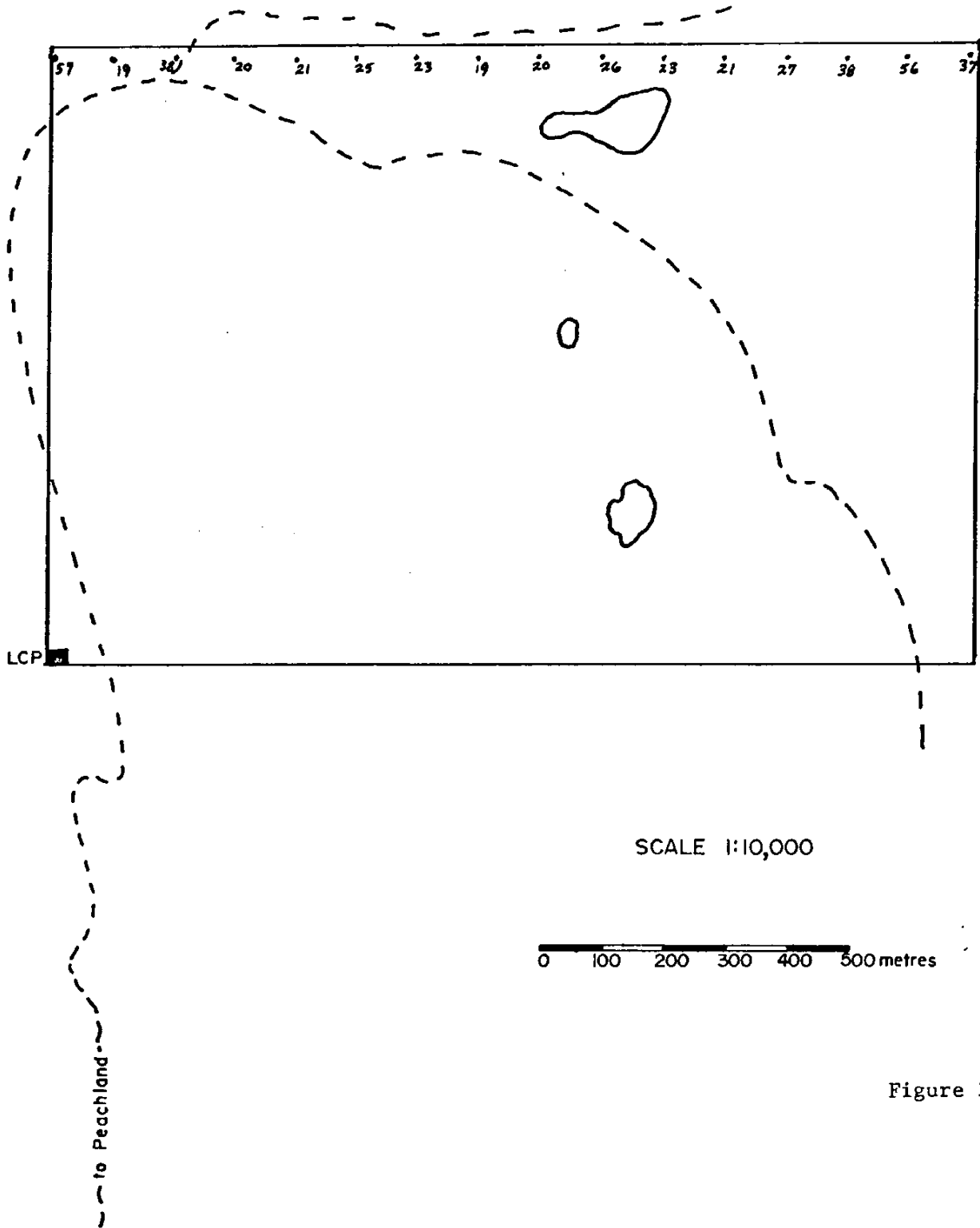


Figure 3

MacCall * 1 Claims

1979 Mo Geochemistry - Soils

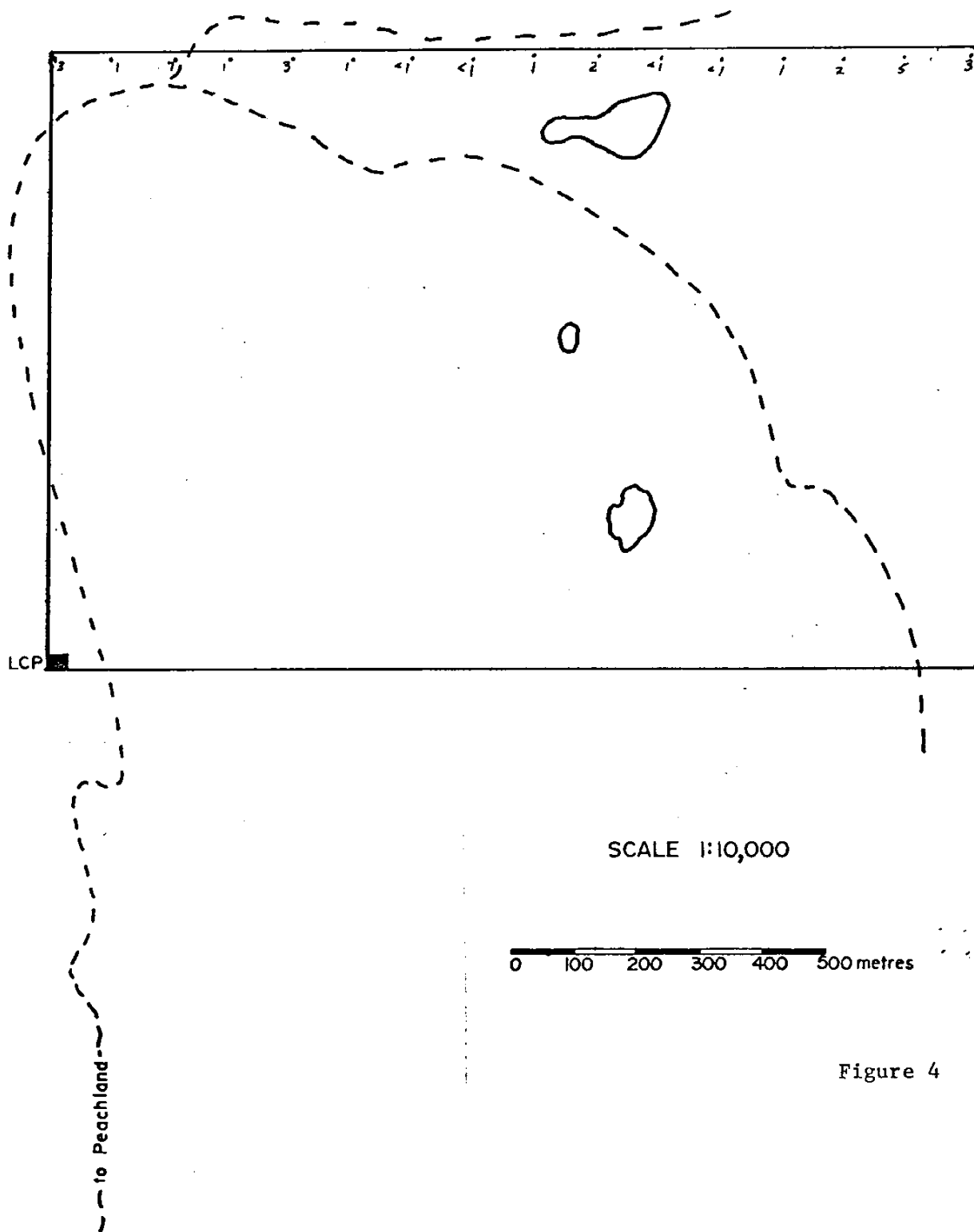
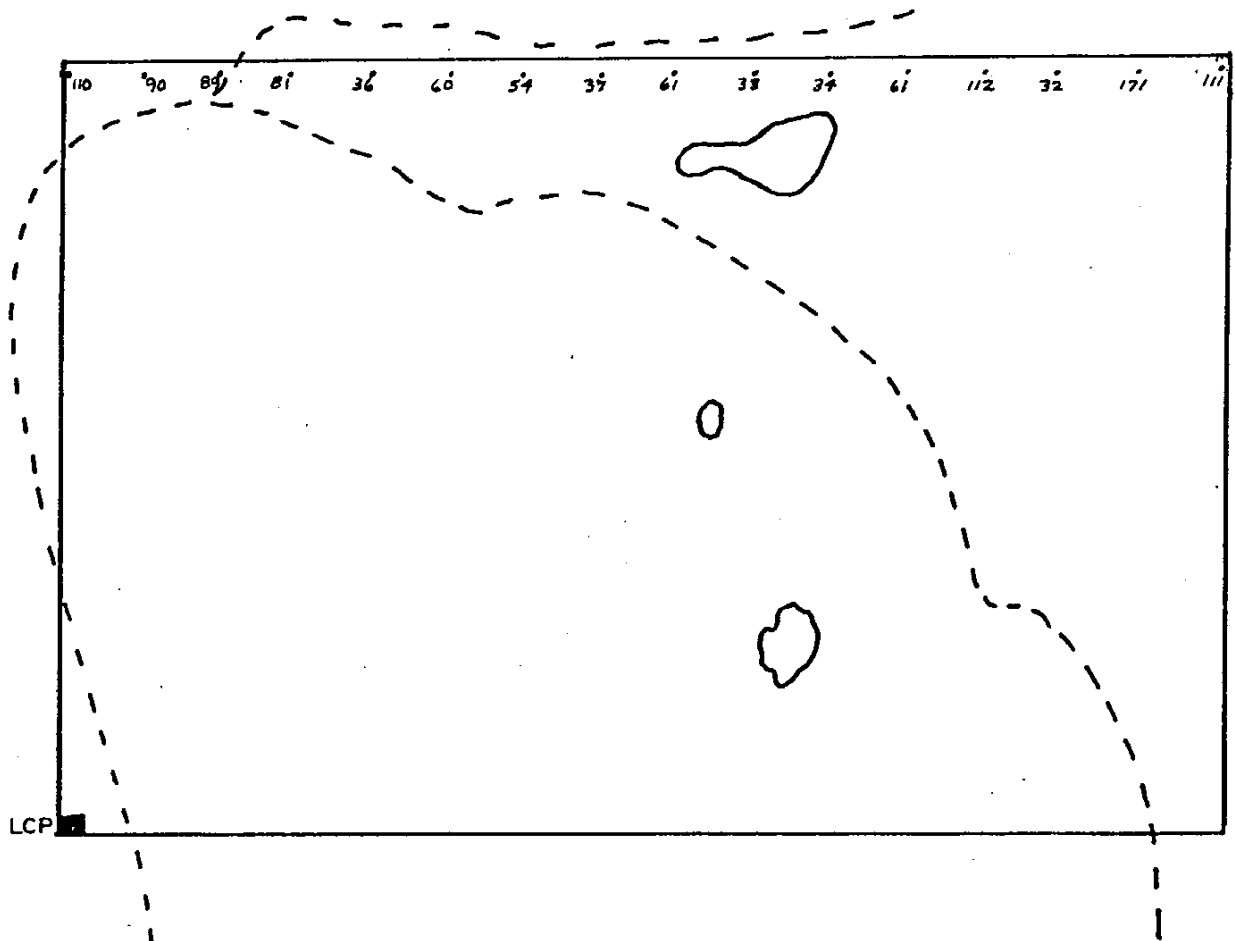


Figure 4

MacCall #1 Claims

1979 Zn Geochemistry - Soils



SCALE 1:10,000

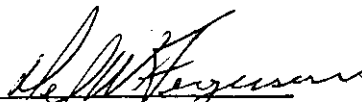


Figure 5

STATEMENT OF QUALIFICATIONS

I, Delbert W. Ferguson of Peachland, Province of British Columbia, do certify that:

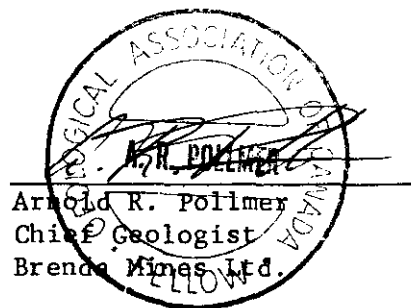
- 1) I am presently employed as an exploration geologist by Brenda Mines Ltd.
- 2) I am a graduate of the University of Western Ontario with an Honours Bachelor of Science Degree in Geology (1979).


Delbert W. Ferguson
Exploration Geologist
Brenda Mines Ltd.

STATEMENT of QUALIFICATIONS

I, Arnold R. Pollmer of Peachland, Province of British Columbia,
do certify that:

- 1) I have been employed as a geologist by Noranda Mines Limited
from December 1973 to June 1977; I am presently employed as
the chief geologist by Brenda Mines Ltd.
- 2) I am a graduate of the University of Wisconsin with a
Bachelor of Science Degree in Geology (1972).
- 3) I am a member of the Canadian Institute of Mining and
Metallurgy.
- 4) I am a fellow of the Geological Association of Canada.



APPENDICES

1.	<u>List of Personnel</u>	<u>Man Days</u>
	A.R. Pollmer	1
	P.C. Bankes	1
	R. Allen	1
2.	<u>Cost Account Ledger</u>	
	Labour - 2 Geologists	\$180.00
	1 Field Technician	40.00
	Assaying - 16 samples @ \$8.00/sample	128.00
	Truck Rental - \$15.00/day for 2 days	30.00
	Fuel Costs - \$10.00/day for 2 days	20.00
	Report Preparation and Typing	<u>80.00</u>
	Total Expenditures	\$478.00