

PROSPECTING REPORT  
ON THE  
PORTO RICO PROSPECT

Lizzie B	L. 2386
Barbara	L. 2387
Alpha	L. 2388
Sunshine	L. 2389

NELSON MINING DIVISION

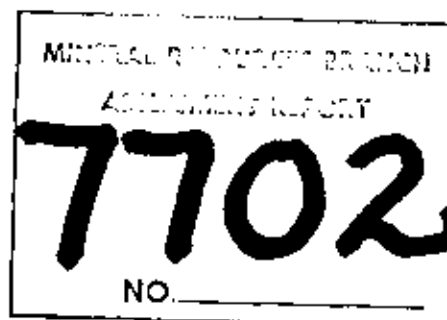
NTS Map 82 F/6 W

Owner: J. M. Mirko

Operators: E. S. Peters  
A. M. Dequadros  
J. M. Mirko

Authors: A. M. Dequadros  
J. M. Mirko

Submitted: December 15th, 1979



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## INTRODUCTION

The "Porto Rico" group consisting of four reverted crown grants is situated at the headwaters of the westerly tributary of Barrett Creek. A good access road, 10 km. long connects the claims with the Salmo-Nelson highway, 17 km. north of Salmo, British Columbia.

The topography of the claim area is rugged with ridges reaching reaching altitudes of 2000 meters.

Work by previous interests consisted of underground development of the main vein on an adjacent claim (L. 2385) in 1896, 1897. A shaft was sunk on claim L. 2389 at roughly the same time. From 1897 to 1899, 3,280 tons of ore was processed at the 3 Stamp Mill on L. 2389, with an average value of \$17.21 per ton with gold at \$20.67 per ounce. The mine closed in 1899 because of lack of wood for fuel. It produced another 600 tons in 1903. All production came from the .8 meter wide vein on L. 2385. During the recent examination, the shaft zone on L. 2389, and area on strike of the main vein on L. 2386 were prospected with geology and mineralization noted.

## OBSERVATIONS

On claim L. 2389, a water filled shaft and surrounding area was examined. The mineralization in the shaft occurs in a 1.3 meter wide shear zone which strikes roughly east and west and dips 55° to the north. Pyrite and arsenopyrite occur in a breccia zone .5 meters wide. The sulphides cement together irregular fragments of quartz and augite andesite wall rock. Previous samples run from 0.34 to 0.71 oz. Au and 0.10 to 0.11 oz. Ag per ton. The shear zone cuts porphyritic augite andesite which is stratigraphically below the sill of augite feldspar porphyry, in which the main vein is exposed.

Both the volcanic beds contain much propylitic alteration over the whole mountain.

The area to the northeast of, and on strike from the main vein in L. 2386 was examined. An outcrop of copper stained dyke material was noted.

Much of the hillside in the areas of interest are covered with shallow

overburden to a depth of 0.8 of a meter. Geophysical and geochemical studies should be correlated with detailed geology from this point on. The area outside present claim boundaries to the south should be prospected carefully also due to extent of visible propylitic alteration.

EXAMINATION EXPENSES

Wages	- two men at \$75.00 p/d	-	\$250.00
	travel, field work, office		
Food	- two men at 1.5 days		40.00
Accommodation	- two men for one night		25.00
Truck Rental	- two days and mileage		70.00
Truck Fuel, etc.	- Vancouver - Property - Vancouver		85.00
Report Preparation	- Overhead		<u>15.00</u>
		TOTAL:	<u>\$525.00</u>

QUALIFICATIONS

*J. JOHN MIKRO*

Have been employed by:

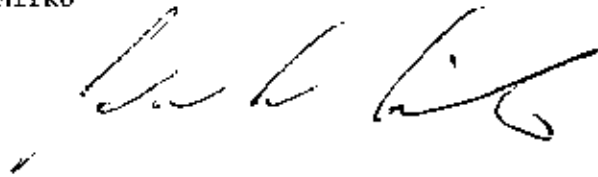
Manex Mining Ltd. 1972; Sumitomo  
Metal Mining Canada Ltd. 1973; Kerr  
Addison Mines Ltd. 1974, 1975;  
Newconex Exploration Ltd. 1976;  
Self-employed. 1976 to present

Duties included:

Line Cutting  
Claim Staking  
Rock Blasting

Drilling  
Geochem surveys  
Geophysical surveys  
Prospecting  
Surveying  
Geological mapping  
Bedding interpretation  
Geochem interpretation  
Exploration management  
Mine development technician  
Exploration and D.D.H. supervision

John M. Mirko

A handwritten signature in black ink, appearing to read "John M. Mirko". The signature is written in a cursive style with a prominent, sweeping flourish at the end.

STATEMENT OF QUALIFICATIONS

I, Antonio M. de Quadros, certify that:


a) I hold the following degrees in Geology:

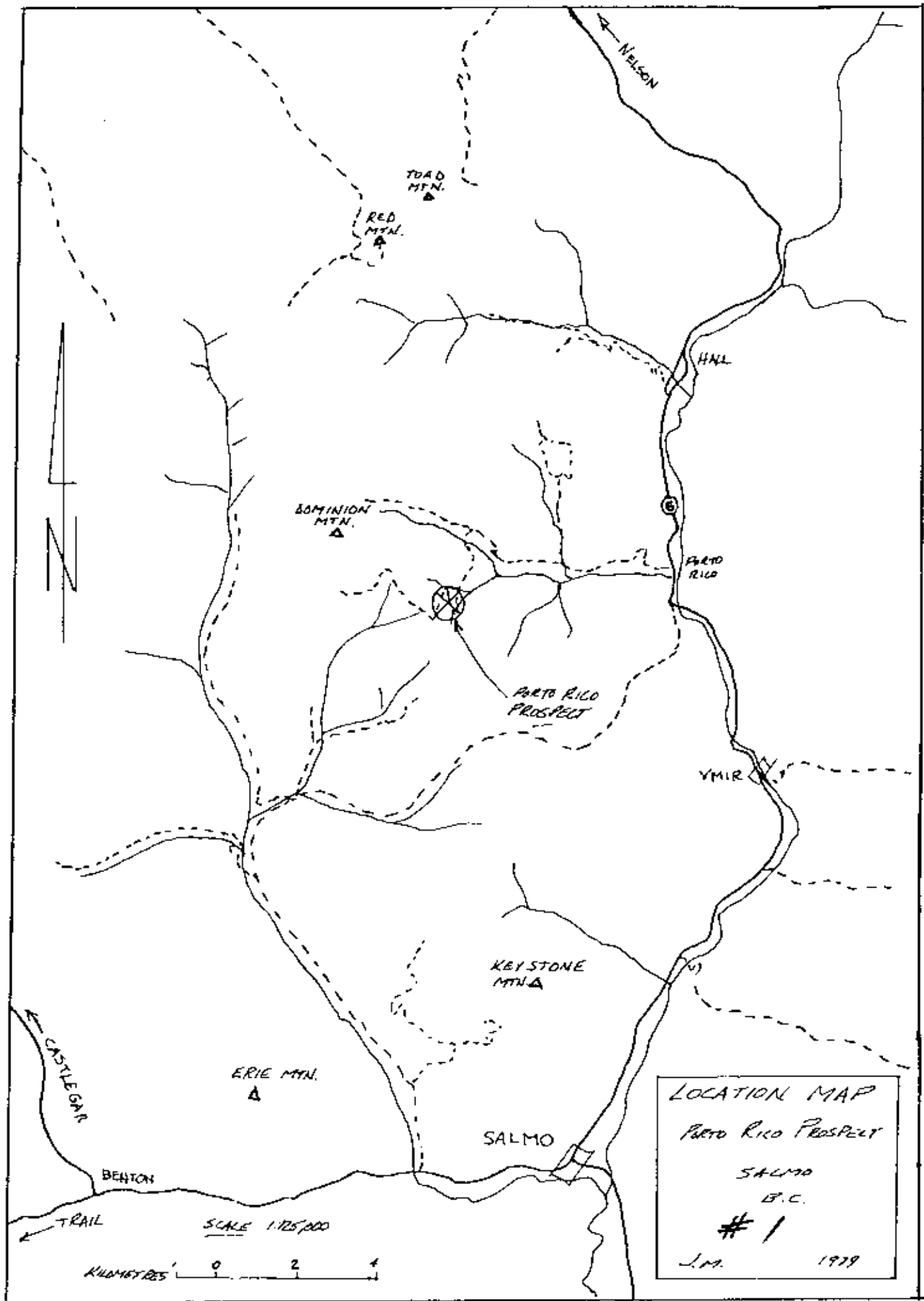
B.Sc. Hons.	University of London	1964
M.S.	U.C.L.A.	1968
Ph. D.	University of Nairobi	1972

b) I have worked on geological project since 1959, including:

- i 1964-1965 Geologist, Geological Survey of Tanzania
- ii 1968-1972 Lecturer in Geology, University of Nairobi, Kenya
- iii 1973 Geologist, Agilis Exploration Services, Vancouver, B.C.
- iv 1974 Geologist, Union Carbide Exploration, Vancouver, B.C.
- v 1974-1975 Geologist, Dolmage Campbell & Associates. Diamond Drilling of Hat Creek Coal Deposit
- vi 1975-1976 Geologist, Kerr Addison Mines, Feasibility & Exploration, Grum Joint Venture
- vii 1976-1977 Geologist, Dolmage Campbell & Associates, Interpretation, Hat Creek Coal Deposit.
- viii 1977-1978 Project Geologist, Chinook Construction & Engineering Ltd., Prospecting, Property Work and Evaluation - Uranium in B.C. and Colorado Plateau.

c) I am    i) a Fellow of the Geological Association of Canada  
          ii) an Engineering Pupil of the Association of Professional Engineers of B.C.

  
A.M. de Quadros,  
Geologist



LOCATION MAP  
 PORTO RICO PROSPECT  
 SALMO  
 B.C.  
 # 1  
 J.M. 1929



↑ NELSON

SALMO ↓

S A L M O P R O V I N C E

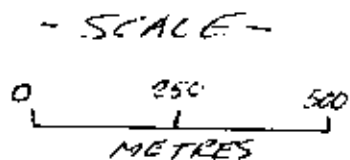
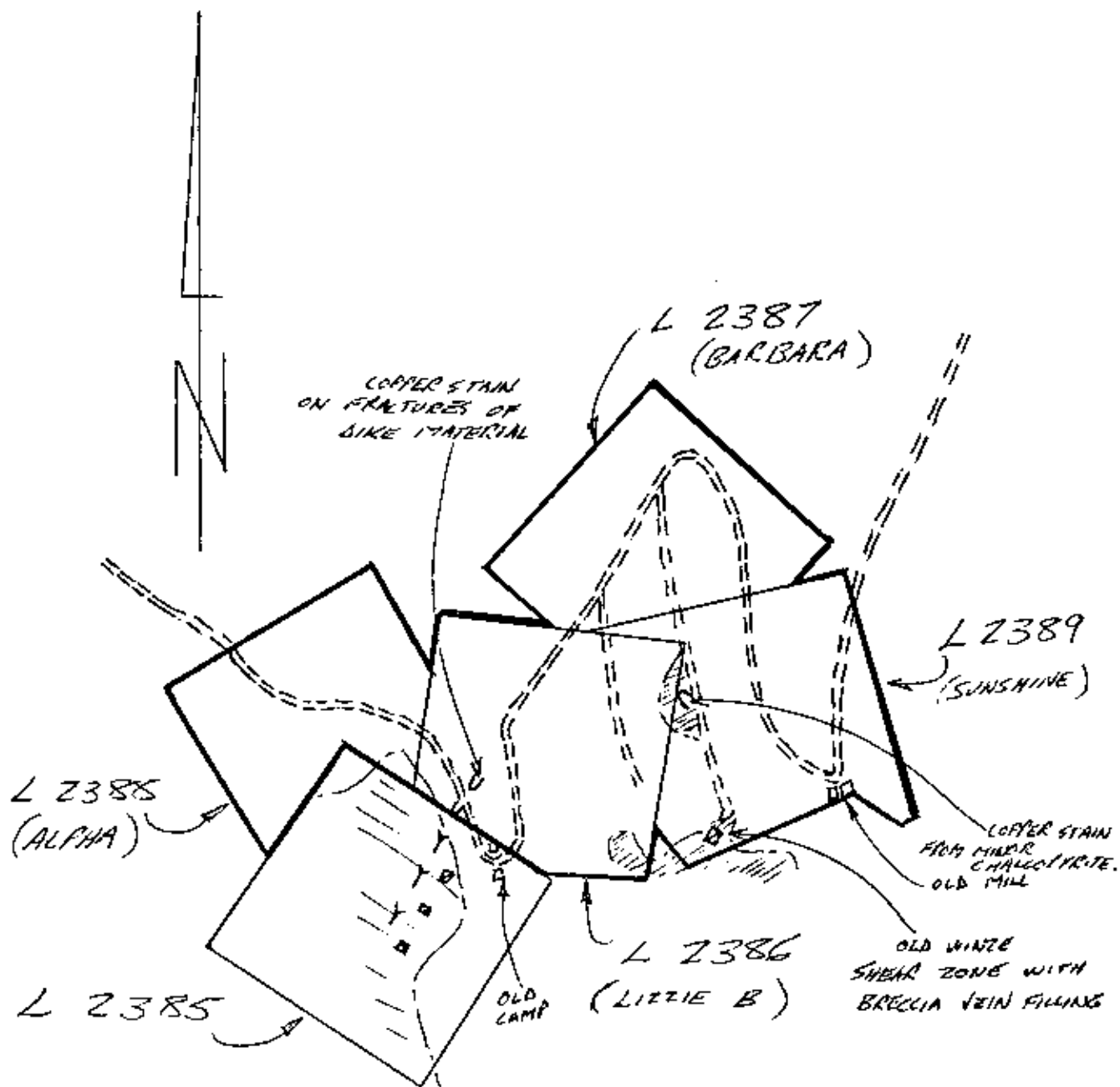
SCALE 1:50,000  
0 1000 2000 METRES

MAP # 2

SL 67

SL 72





- OPEN CUT
- ┆ ADIT
- ▣ SHAFT
- ▣ WINZE
- ⋯ ROAD
- OUTCROP BOUNDARY
- ▨ AUGITE ANDESITE
- ▨ AUGITE FELDSPAR PORPHYRY

PORTO RICO PROSPECT

MAP OF CLAIM OUTLINE  
SHOWING OUTCROPS,  
WORKINGS, GEOLOGY

J.M. #3 1979