

**CANEX AERIAL EXPLORATION LTD.**

DIVISION OF CANADIAN EXPLORATION LIMITED

700 BARRARD BUILDING

VANCOUVER 5, B. C. CANADA

2500

**GEOLOGIC REPORT**

**ON THE B. R. CLAIMS**

**BRIDGE RIVER:  $50^{\circ}55'$ ,  $123^{\circ}30'$**

**CLAIMS: B. R. 1 - 30**

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**Vancouver, B.C.**

**July 30, 1970**

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Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT  
NO. 2500 MAP.....

REPORT ON THE GEOLOGY  
OF THE BRIDGE RIVER PROPERTY, B.C.  
CANEX AERIAL EXPLORATION LTD.

INTRODUCTION

Reconnaissance mapping on the Bridge River property was carried out during July 21 to July 24, 1970.

The purpose of the work was to compare geological data with the results of an I.P. survey to determine the economic mineral potential of the property.

PROPERTY, LOCATION, ACCESS

The "BR" property consists of 30 claims located approximately 40 miles north of Pemberton, B.C., at an elevation of approximately 6500 feet.

Timber is available only in the lower portion of the property. Small lakes could supply adequate water for camp and drilling operations.

Access to the property is only by helicopter from Pemberton (Meadows?) (40 miles); Alta Lake (70 miles); or even Vancouver Airport (approximately 150 miles).

Fly camps have to be established and all supplies flown in by helicopter.

GEOLOGY (See maps 1":400' and 1":2000' scale)

Bedrock is exposed in the south slope of the "BR" property but in the plateau areas glacial drift is widespread and bedrock is exposed only along the northwest/southeast ridge in the northeast corner. (See 1":2000' scale map.)

The oldest rock exposed is quartz monzonite, cut by numerous north/south dykes and east-west trending white feldspar porphyry sills. These are partly covered by late tertiary volcanics - basalts, tuff and pyroclastics.

Quartz Monzonite

Non-foliated, hypidiomorphic-granular quartz monzonite is composed of euhedral plagioclase, hornblende and biotite crystals, and anhedral orthoclase and quartz.

There is slight widespread of chloritic and epidot alteration. Quartz-sericite envelops with magnetite, bornite, chalcopyrite, pyrite and malachite are well developed in the quartz monzonite south of the claim line marked by two posts "BR" 1, 2 & 3,4, and "BR" 3, 4 & 5,6. (See map 1":400'.) The approximate line width of the exposed mineralization is 800 feet.

White Feldspar Porphyry

White feldspar porphyry sills occur in the south slope cuttings through the quartz monzonite in the east/west direction.

Diorite dykes are cutting white feldspar porphyry which means that they are of later origin than porphyry rocks.

Basalts, Pyroclastics, Tuffs

They occupy most of the northeast and eastern portion of the broad flat plateau and part of the west edge of the property.

Basalts are well exposed in the west part and volcanic breccias and tuffs in the eastern and northeast part of the property. They cover the intrusive rock to a maximum depth of about 500 feet on the east and west slopes.

According to Geological Survey of Canada maps of adjacent areas, the quartz monzonite belongs to the upper cretaceous intrusion, sills of the white feldspar porphyry to pre-miocen, and basalts, tuffs and pyroclastics to upper-miocen and younger ages.

### MINERALIZATION

Mineralization occurs in the quartz-sericite alteration envelopes which cut the quartz-monzonite intrusive in the direction of  $340^{\circ}$ ,  $35^{\circ}$ , or  $10^{\circ}$ , and dipping toward the northeast at  $20^{\circ}$  and  $35^{\circ}$ .

The whole exposed zone is about 800 feet thick through which envelopes are spaced from 6 inches to 2 feet apart: The spacing of the mineralized fractures suggests that the overall grade of this zone does not exceed the average of the sampled trenches.

### PREVIOUS WORK

Trenching by blasting bedrock was done by Les Kiss during July 1969. Ten-foot sample sections along the trenches had been taken and assayed. Assay results range from 0.08% to 0.85% copper.

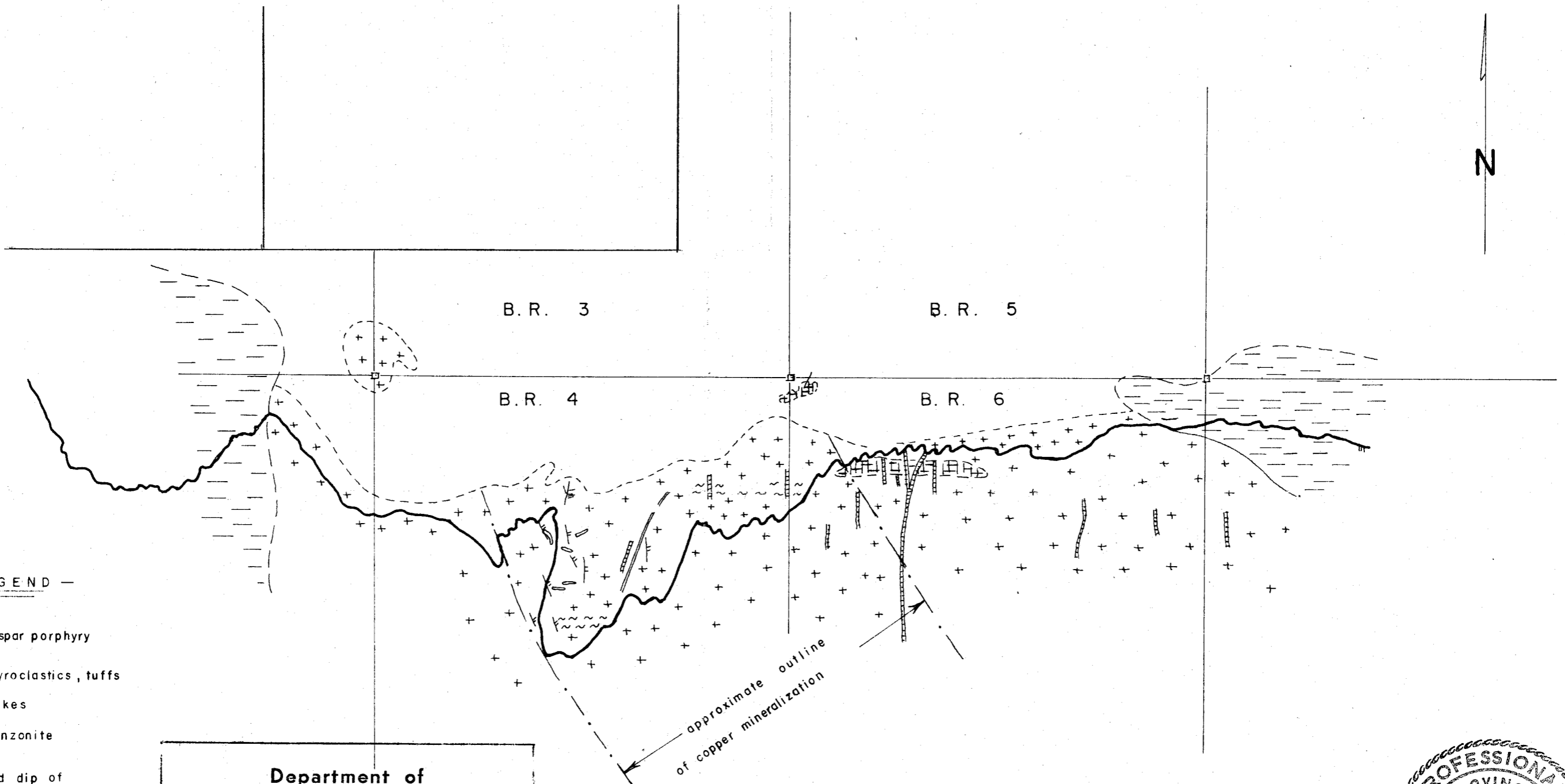
*I. Borovic*

I. Borovic, Geologist











*R.W. Cannon, P. Eng*

R.W. Cannon, P. Eng.



— LEGEND —

-  White feldspar porphyry
-  Basalts, pyroclastics, tuffs
-  Diorite dykes
-  Quartz Monzonite
-  Strike and dip of Q, S, envelopes
-  Sheared zone
-  Trench
-  Cliff outline (approximate)

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 NO. 2500 MAP #2

approximate outline  
of copper mineralization







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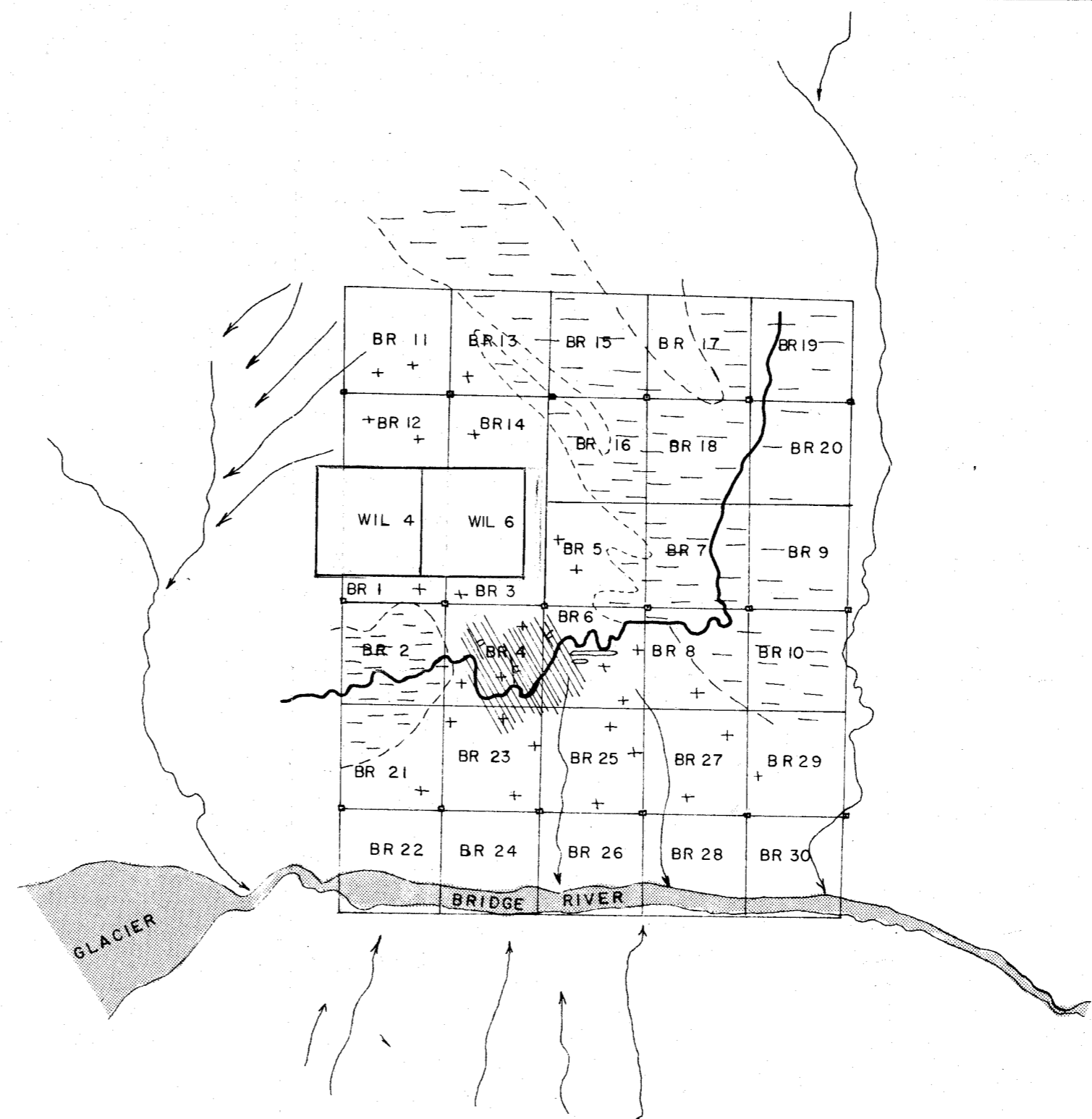


DRAWN I. B.	SCALE 1" = 400'	CANEX AERIAL EXPLORATION LTD.	Geology of "B. R." Property
TRACED A. K.	DATE July 30, 1970	BRIDGE RIVER, B. C.	FILE No.
APPROVED			

**Department of  
 Mines and Petroleum Resources**  
**ASSESSMENT REPORT**  
 NO. 2500 MAP #1

— LEGEND —

-  volcanics (basalts, pyroclastics)
-  intrusive (Quartz monsonite)
-  Strike & dip of mineralised fractures
-  Mineralised Zone (Mag., Bn, Cpy, Py, Mal.)
-  Cliff outlined
-  Geological Boundary (approximate)



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DRAWN I. B.	SCALE 1" = 2000' apr.	CANEX AERIAL EXPLORATION LTD.	Geology of Bridge River Claims
TRACED A. K.	DATE July 30, 1970	BRIDGE RIVER, B. C.	FILE No.
APPROVED			