

MOUNTAIN MINERALS CO. LTD.  
1978 GEOLOGICAL SURVEY  
OF THE PAX MINING  
CLAIM (8 UNITS) ON THE  
SIDE OF MOBERLY MOUNTAIN  
NEAR GOLDEN, B.C.

GOLDEN MINING DIVISION

GEOGRAPHIC COORDINATES

57° 22' N 116° 57' W (L.C.P.)

N.T.S. 82N/7W GOLDEN

BY

JOHN W. PERSTON, B.Sc. M.Sc.

1979 01. 15.

MOUNTAIN MINERALS CO. LTD.

P.O. BOX 700

LETHBRIDGE, ALBERTA.

T1J 3Z6

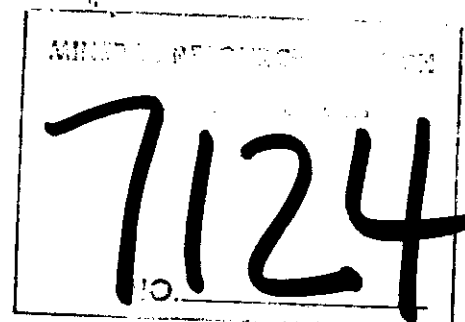


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## INTRODUCTION

- (i) The PAX claim lies on the west side of Moberly Peak approximately 9 km. north of Golden, B.C. at elevations ranging from 975 m.- 1525 m. The lower western part of the claim lies in flat partially swamp covered ground while the eastern portion lies on the flank of the mountain and becomes progressively steeper culminating in a cliff along which most of the eastern claim line runs. The area is heavily timbered with spruce and fir predominating. At lower elevations some deciduous varieties occur.
- Access to the property is via the Hospital Creek Road, off the Trans-Canada Highway approximately 1 km. N.E. of Golden. A mine access track leads off this road 5 km. north of the turnoff. (See Figure I.)
- (ii) The PAX Mineral Claim comprises 8 units. It was staked on 4 April, 1978 and recorded on 5 April on claim tag # 31704 and record number 120608 E. The owner is Mountain Minerals Co. Ltd. No previous work has been done on the property. It was staked to extend to the west the area owned by Mountain Minerals Co. Ltd. which probably overlies the Mt. Wilson Quartzite. (see Figure 2.)
- (iii) A geological survey was carried out over this area at a scale of 1:5000 covering 8 units or approximately 200 hectares.
- (iv) The claim worked was the PAX (8 units).

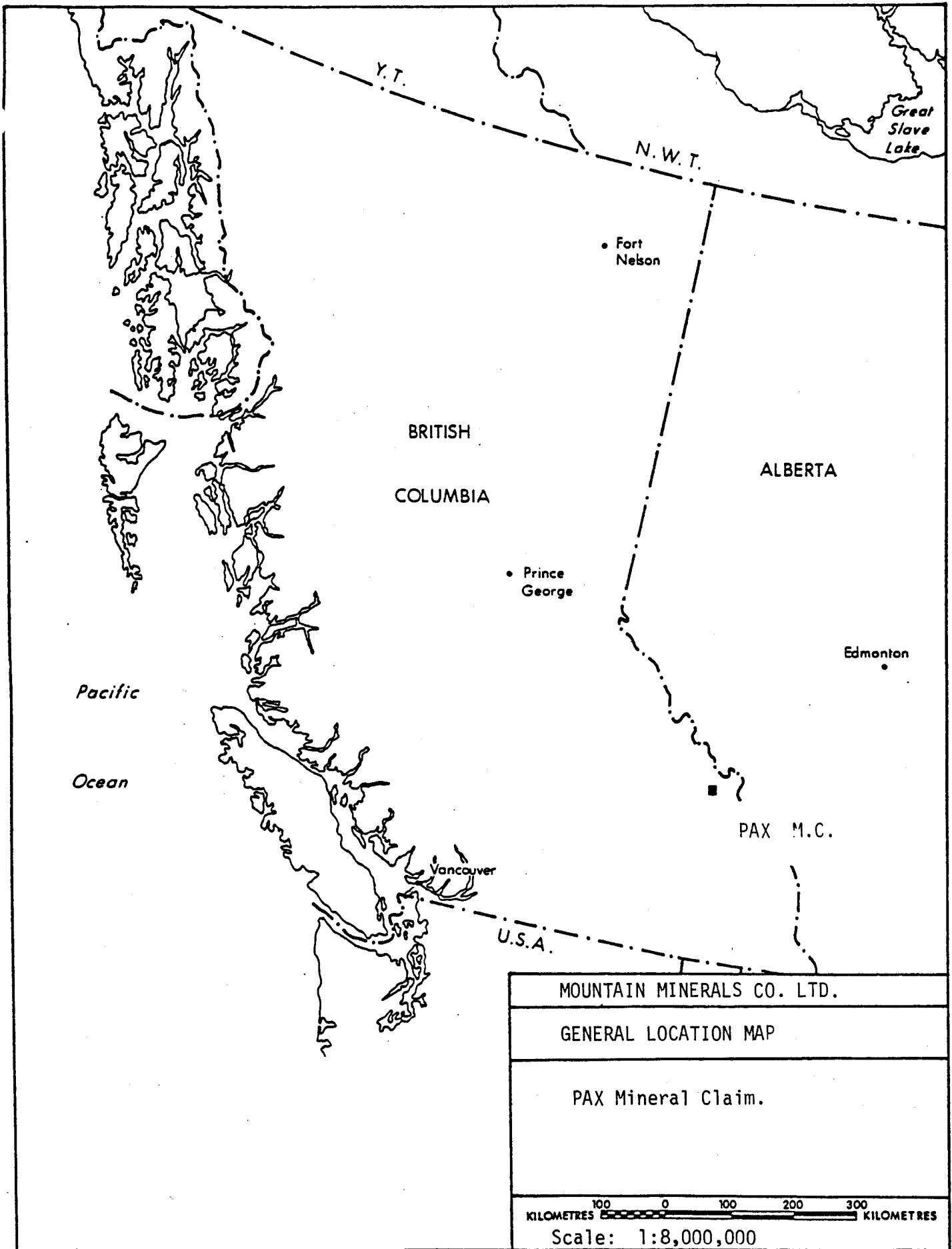
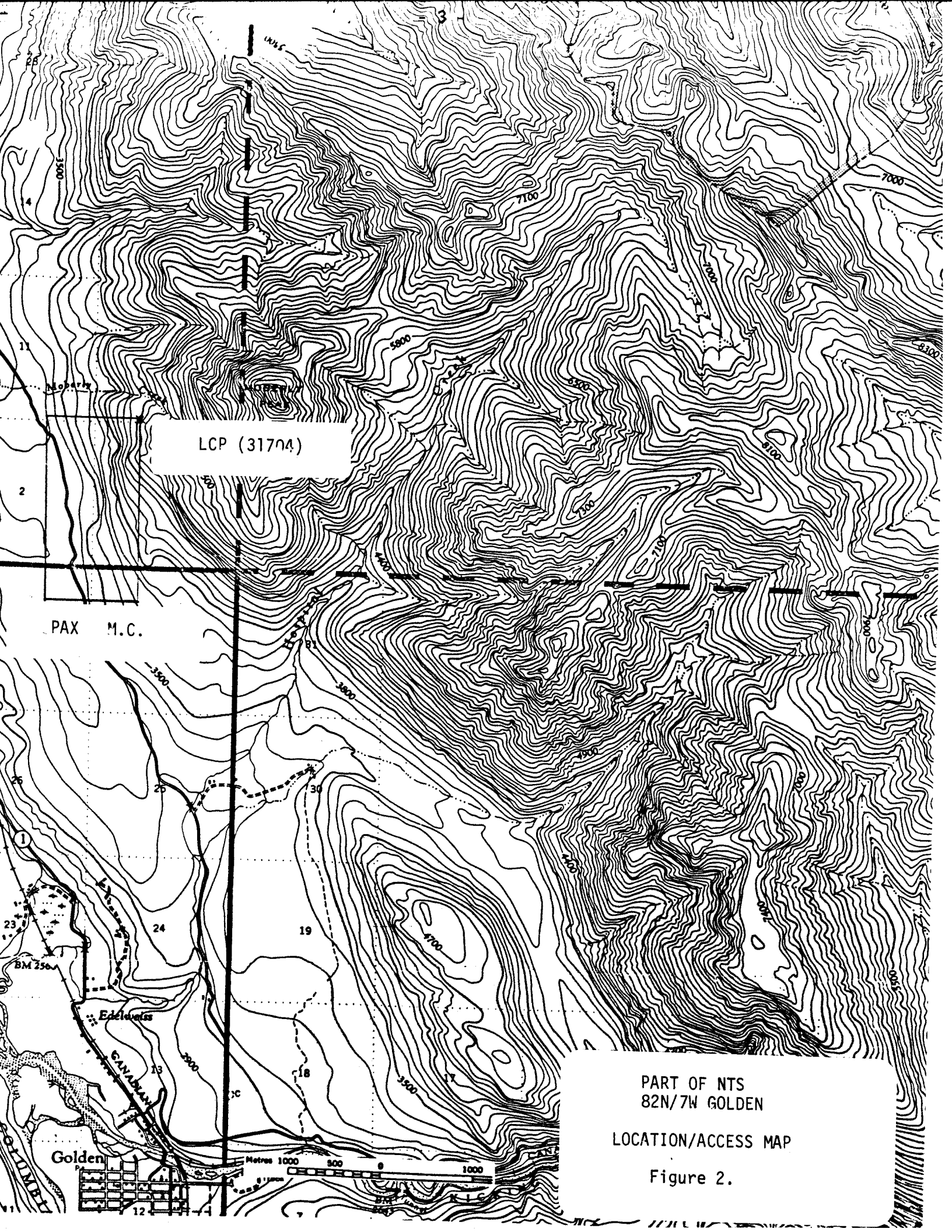


Figure 1.



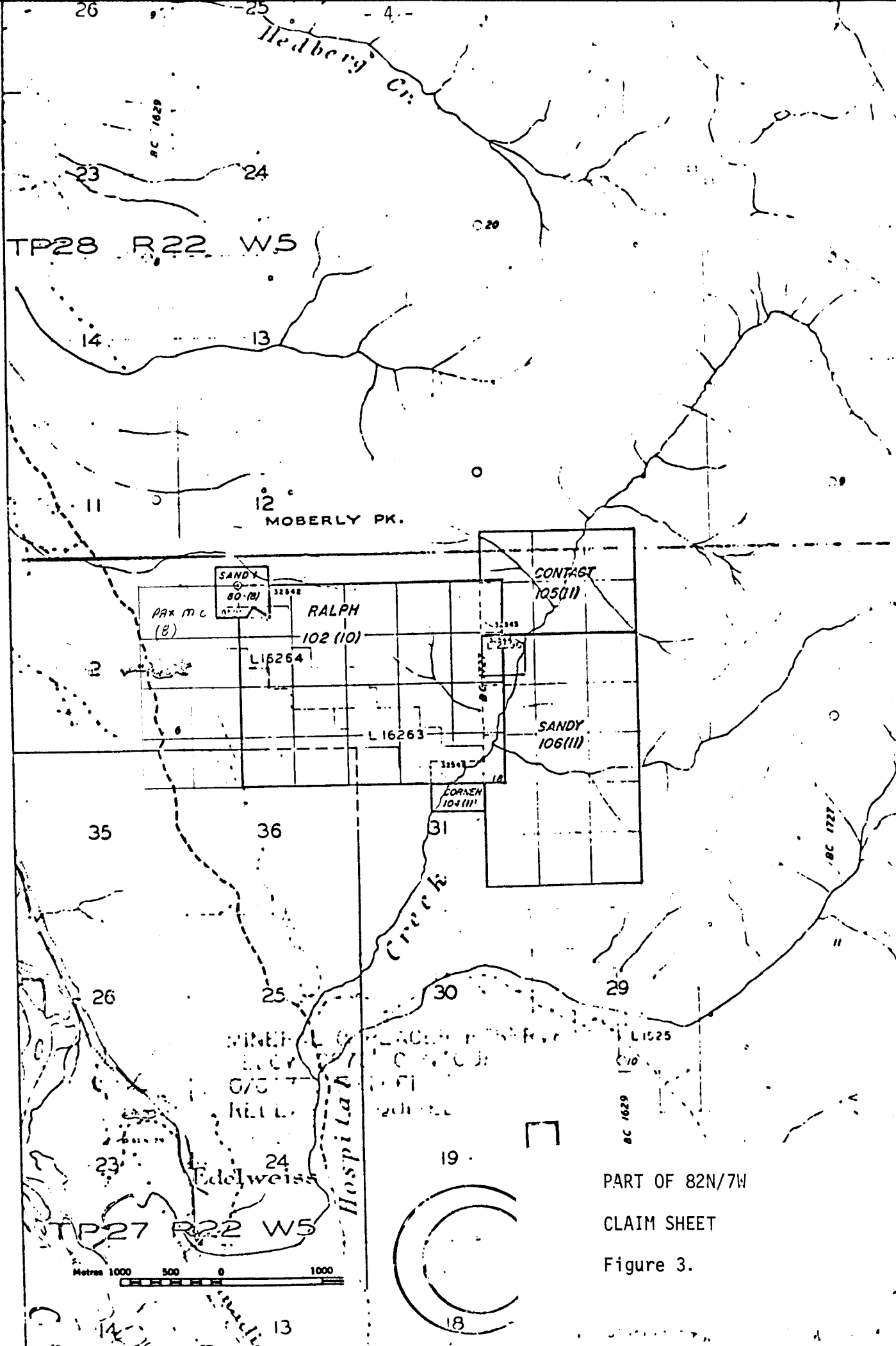
LCP (31704)

PAX M.C.

Golden

PART OF NTS  
82N/7W GOLDEN  
LOCATION/ACCESS MAP

Figure 2.



TO WEST SEE MAP 02 N/6 E

TP28 R22 W5

TP27 R22 W5

Metres 1000 500 0 1000

PART OF 82N/7W  
CLAIM SHEET  
Figure 3.

TECHNICAL DATA.

GEOLOGIC REPORT.

(a) Surface Geology.

The surface of the PAX claim is covered with heavy vegetation on a glacial till subsurface. The till covers 95% of the claim area, bedrock exposure being limited to the cliff section in the northeast corner of the claim. Little is known of the surficial geology due to the extensive vegetation cover but where it is exposed in road cuts it is shown to be typical glacial material with sands and gravel of outwash origin and boulders of granitic material.

(b) Bedrock Geology.

Only 5% of the claim area shows any bedrock outcrop but extensive breaks in slope running parallel to the known strike of the local formations may represent additional lithologic changes to those exposed. However, many of these breaks are part of the current drainage pattern and some of the others may be indicators of past drainage.

Only two rock types are exposed on this claim. The lower thinly bedded calcareous "shale/schist" dips easterly at  $30^{\circ}$ . It is probably part of the Glenogle shale formation. The overlying Mt. Wilson quartzite rests apparently conformably on this unit although in the strike section exposed this is difficult to determine. It is a massive thick white to grey weathering rock forming resistant cliffs 50 - 75 m. high. It is very regular throughout the exposure and dips  $50^{\circ}$  -  $70^{\circ}$  easterly. The change in dip from the underlying shales to

the quartzite suggests a possible unconformity with the top of the Glenogle shales having been eroded in pre Mt. Wilson quartzite times. (see map Figure 4.)










ITEMIZED COST STATEMENT.

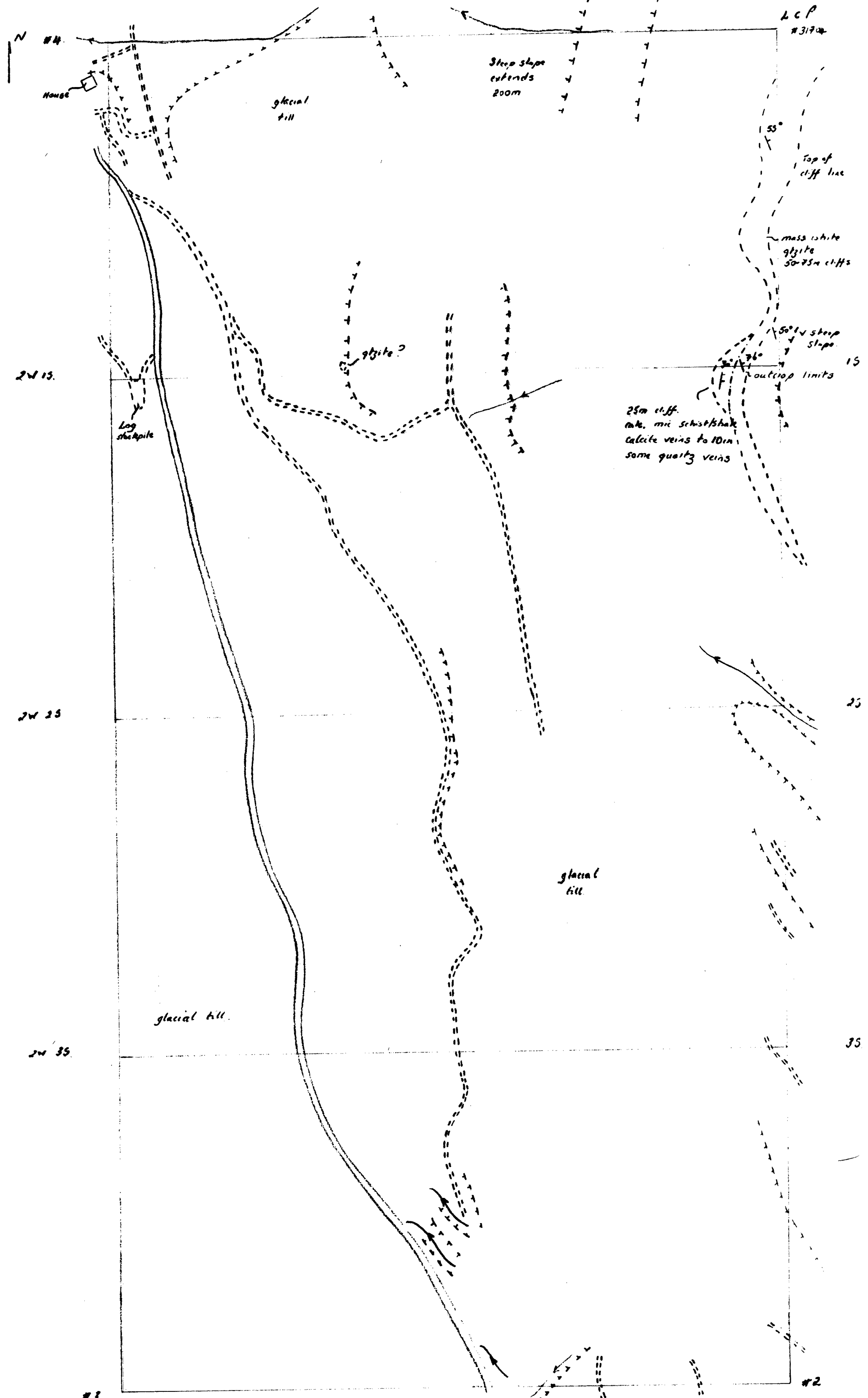
(a) J. W. Perston Geologist 4 days, Aug. 9-12, @ \$80.00/day	\$	360.00
(b) J. W. Perston Accomodation/meals Aug. 9-12, @ \$36.10/day		144.40
(c) J. W. Perston Transportation 992 km. @ 20¢/km.		198.40
(d) Report preparation, typing, copying, compiling, etc.		<u>150.00</u>
	Total; \$	<u><u>852.80</u></u>

AUTHOR'S QUALIFICATIONS

J. W. Perston graduated from London University in 1969 with a B.Sc. (Hons.) in geology. He worked full time from 1969 to 1973 in Canada and Latin America on mineral exploration and mine geology. He returned to university in 1973 and received his M.Sc. in 1974. Subsequent exploration activities have been in Latin America, the Middle East and western North America.

**LEGEND**

-  Road
-  Track
-  Stream
-  Break in slope
-  Outcrop limit
-  Geological Contact
-  Dip & strike



MINERAL RESOURCES DIVISION  
GEOLOGICAL SURVEY OF CANADA  
**7124**

Scale 1/5000

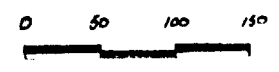


FIGURE 4