



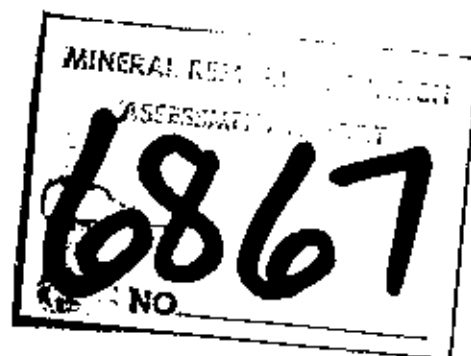
# PLACER DEVELOPMENT LIMITED

A GEOLOGICAL REPORT  
ON THE  
JANETTE MINERAL CLAIM

Located in the Vancouver Mining Division  
at  $49^{\circ} 40' N$ ;  $123^{\circ} 00' W$

NTS 92-G-11E

Owner - Maggie Mines Limited (N.P.L.)  
Operator - Placer Development Limited



BY: W.S. Pentland

DATE: September 27th, 1978

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## Introduction

The Janette claim consists of 20 units located approximately 13 kilometers southeast of the town of Squamish, B.C. and 40 kilometers due north of Vancouver.

The Indian River lies 2 kilometers south of the Janette claim while Raffuse Creek, a tributary of the Mamquam River, cuts across the northeast corner of the property.

The property is accessible by road from Squamish to the northern boundary on McMillan-Blöedel's logging road and to the southwest corner of the claim on roads belonging to B.C. Hydro and Weldwood.

Elevations range from 800 to 1300 meters. A broad ridge crosses the center of the property from southeast to northwest. This feature is paralleled to the northeast by the heavily forested Raffuse Creek valley.

The claim was located in 1977 by Maggie Mines Limited (N.P.L.) and optioned to Placer Development Limited in 1978. Evidence of diamond drilling was noted on the claim and low grade zinc mineralization is exposed in old trenches immediately to the west of the property.

The present report covers reconnaissance geological mapping on a scale of 1:2500 with a reduction to 1:5000 for the final map.

## Geology

The claim includes sediments and volcanics of the Gambier Group of Jurassic age and intrusives of Cretaceous age.

An intrusive stock underlies approximately forty percent of the claim to the northwest. Much of this intrusive appears to be a medium grained granodiorite but it becomes coarser grained and closer to a granite in composition to the northwest.

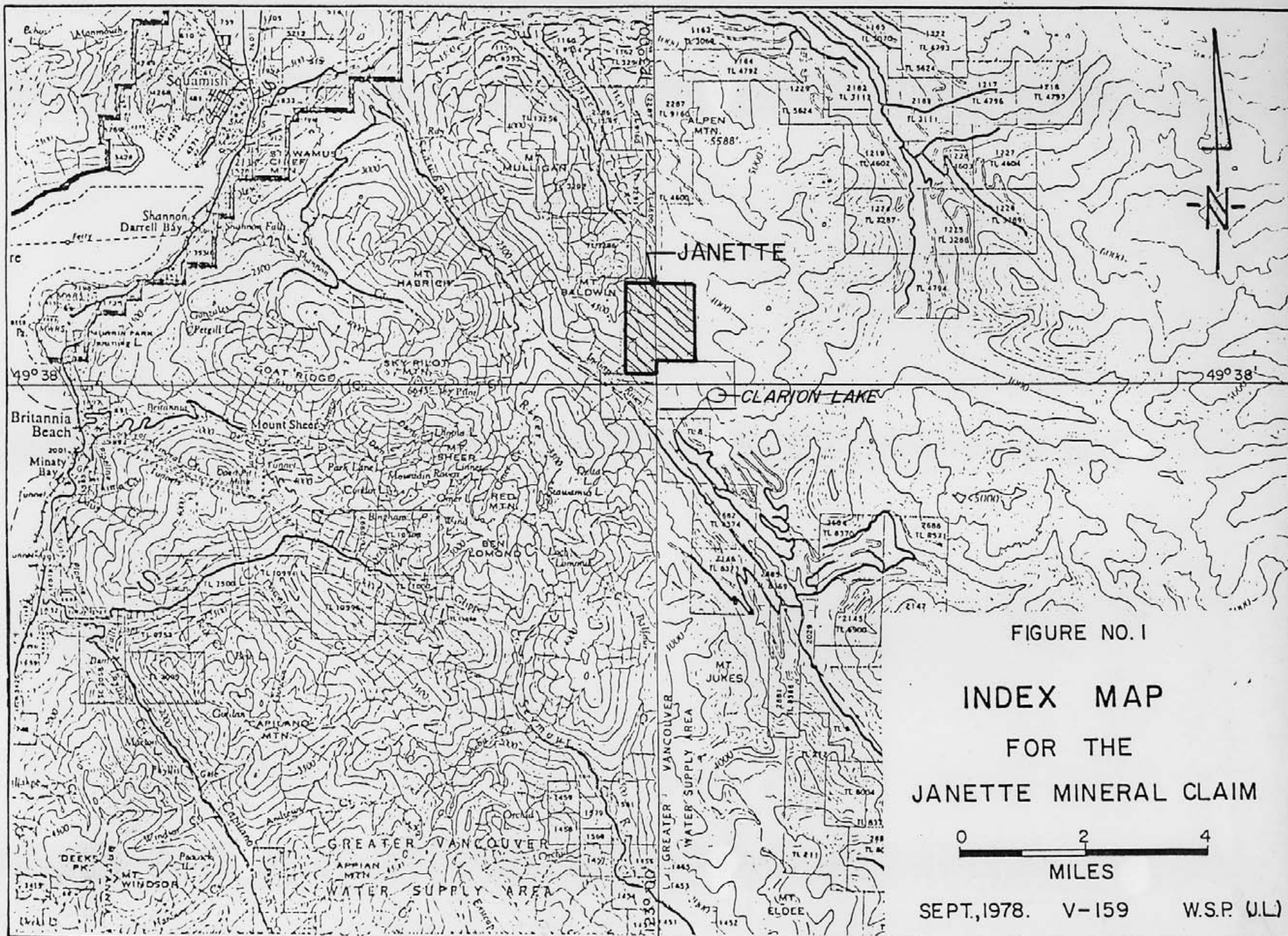


FIGURE NO. 1  
 INDEX MAP  
 FOR THE  
 JANETTE MINERAL CLAIM



Occasional small inliers of dacitic volcanics were noted in the intrusive in the vicinity of Raffuse Creek. Additional work is required to determine if Raffuse Creek marks the stock boundary or if the intrusive extends to the eastern claim boundary.

The remainder of the claim is underlain by north to northwesterly trending sediments and volcanics. From mapping to date the sediments compose two relatively minor zones in the southeastern corner of the claim. These are mainly banded black argillite, siltstone and sandstone with very minor pebble conglomerate.

The volcanics underlie the southeastern portion of the claim. With the exception of the area near the western side of the claim the rocks are a mixture of porphyritic and amygdaloidal flows with minor dacites, rhyolites and tuffs. The western side of the claim is underlain by rhyolite tuffs; part of a wide zone of such rocks lying to the west of the Janette claim.

The only mineralization noted was along the old tote road in the central part of the claim where minor pyrite and sphalerite occurs in quartz stringers.

*W.S. Pentland*

W.S. Pentland

STATEMENT OF COSTS

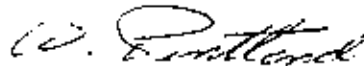
(1) Base Map by McElhanney Associates (1:2500)	
20 units @ \$40.00/unit	\$800.00
(2) Geological Mapping	
Geologist - 8 days @ \$170./day -	1,360.00
(W. Pentland - July 21, 22, 25, 31,	
Aug. 1, 2, 10 & 16)	
Assistants - 8 days @ \$60./day	480.00
(B. Quenville - July 21, 22, 25, 31,	
Aug. 1, 2 and 16)	
(M. Wilson - Aug. 10)	
Note: - Above rates include room and meals	
(3) Transportation	
3/4 ton 4x4 @ \$20./day for 10 days	200.00
Helicopter - .6 hrs. @ \$300./hr.	180.00
(4) Map Preparation and Report Writing	600.00
(4 days @ \$150./day)	
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TOTAL:	\$3,620.00

STATEMENT OF QUALIFICATIONS

I, W.S. Pentland, with a business address in Vancouver, British Columbia, and a residential address in Delta, British Columbia, hereby certify that:

- 1) I am a geologist.
- 2) I am a graduate of the University of British Columbia, Vancouver, British Columbia, with a B.A. in 1951.
- 3) From 1951 to 1977, I have worked in mineral exploration in various parts of Canada.
- 4) I personally examined the area and have assessed the results of the work.

Respectfully submitted,



W.S. Pentland

Dated this 22 day of September,  
1978, Vancouver, British Columbia.

CERTIFICATION

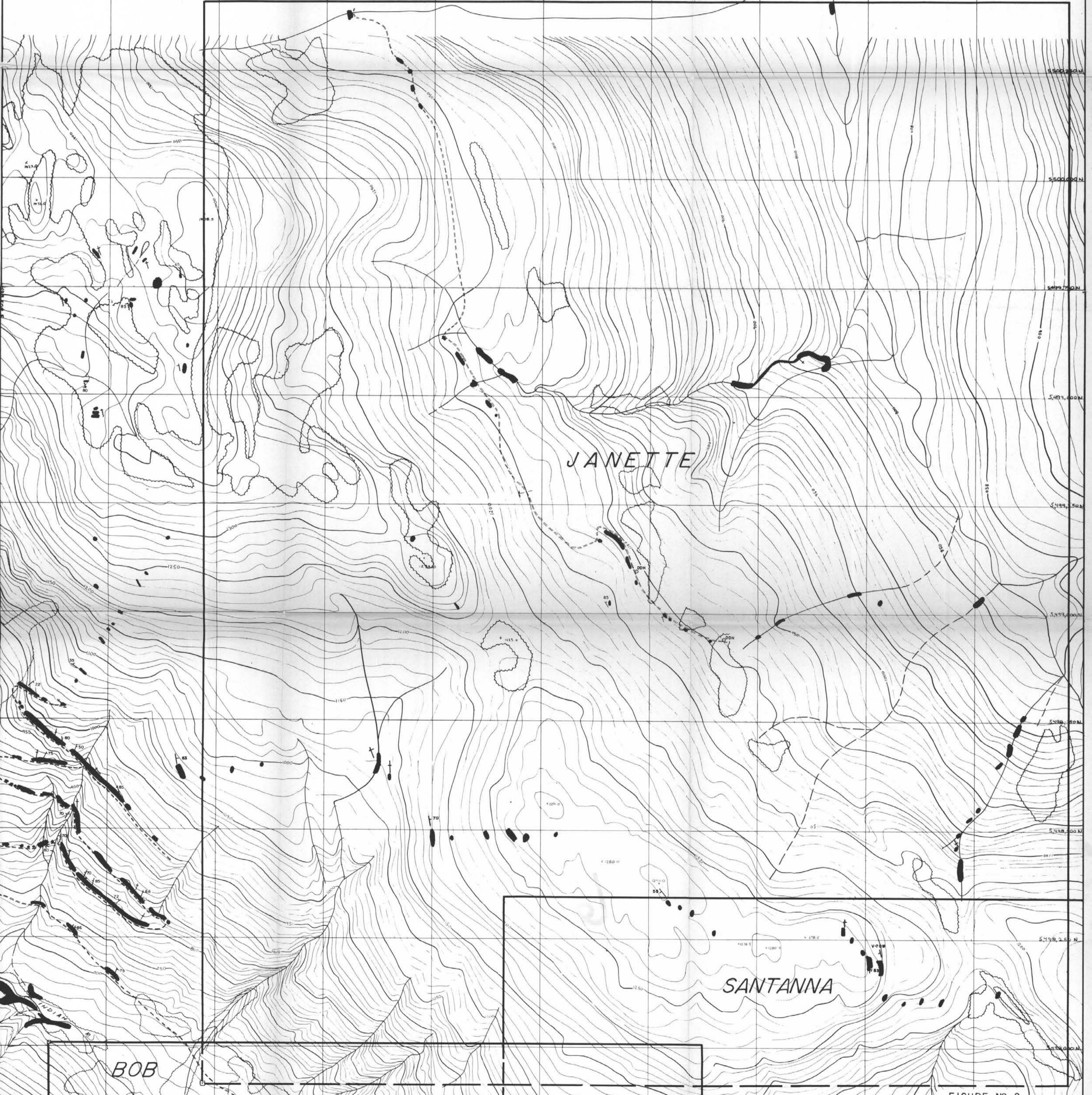
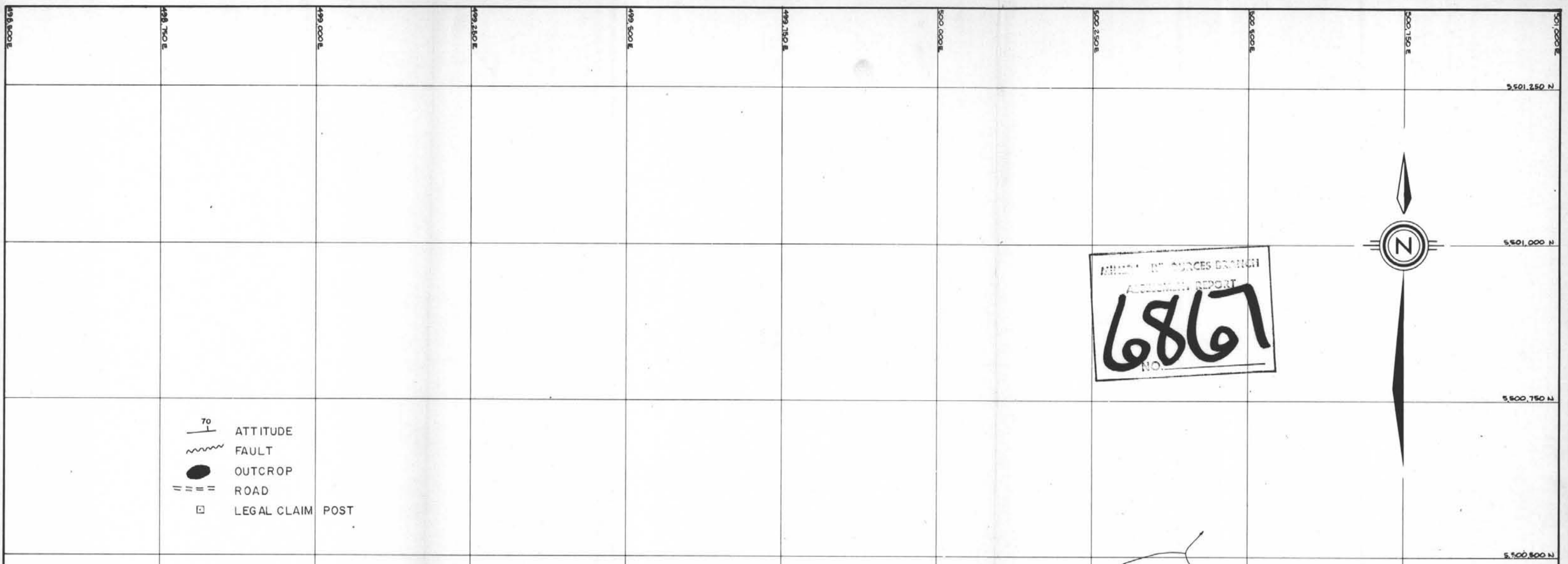
I, D.A. Howard, with a business address at 800 - 1030 West Georgia Street, Vancouver, British Columbia, do hereby certify that:

- 1) I am a professional engineer registered in the Province of British Columbia.
- 2) I have examined the report by W.S. Pentland, on work done in 1978, on the Bob & Santanna claims,  $49^{\circ}39'N$ ;  $123^{\circ}00'W$ , in the Vancouver Mining District.
- 3) To the best of my knowledge the acquisition of the data and expenditure claimed for the performance of work is correct.



Dated this 28 date of September,  
1978, Vancouver, British Columbia














MINERAL RESOURCES BRANCH  
6867  
NO.



**LEGEND**

-  SEDIMENTARY ROCKS - MAINLY ARGILLITE, SILTSTONE, SANDSTONE, MINOR ARKOSE AND PEBBLE CONGLOMERATE.
-  VOLCANIC ROCKS - RHYOLITE TUFFS, DACITES, AND PORPHYRITIC FLOWS.
-  GRANITE, GRANODIORITE
-  GEOLOGICAL BOUNDARY - INFERRED
  
-  ATTITUDE
-  FAULT
-  OUTCROP
-  ROAD
-  LEGAL CLAIM POST

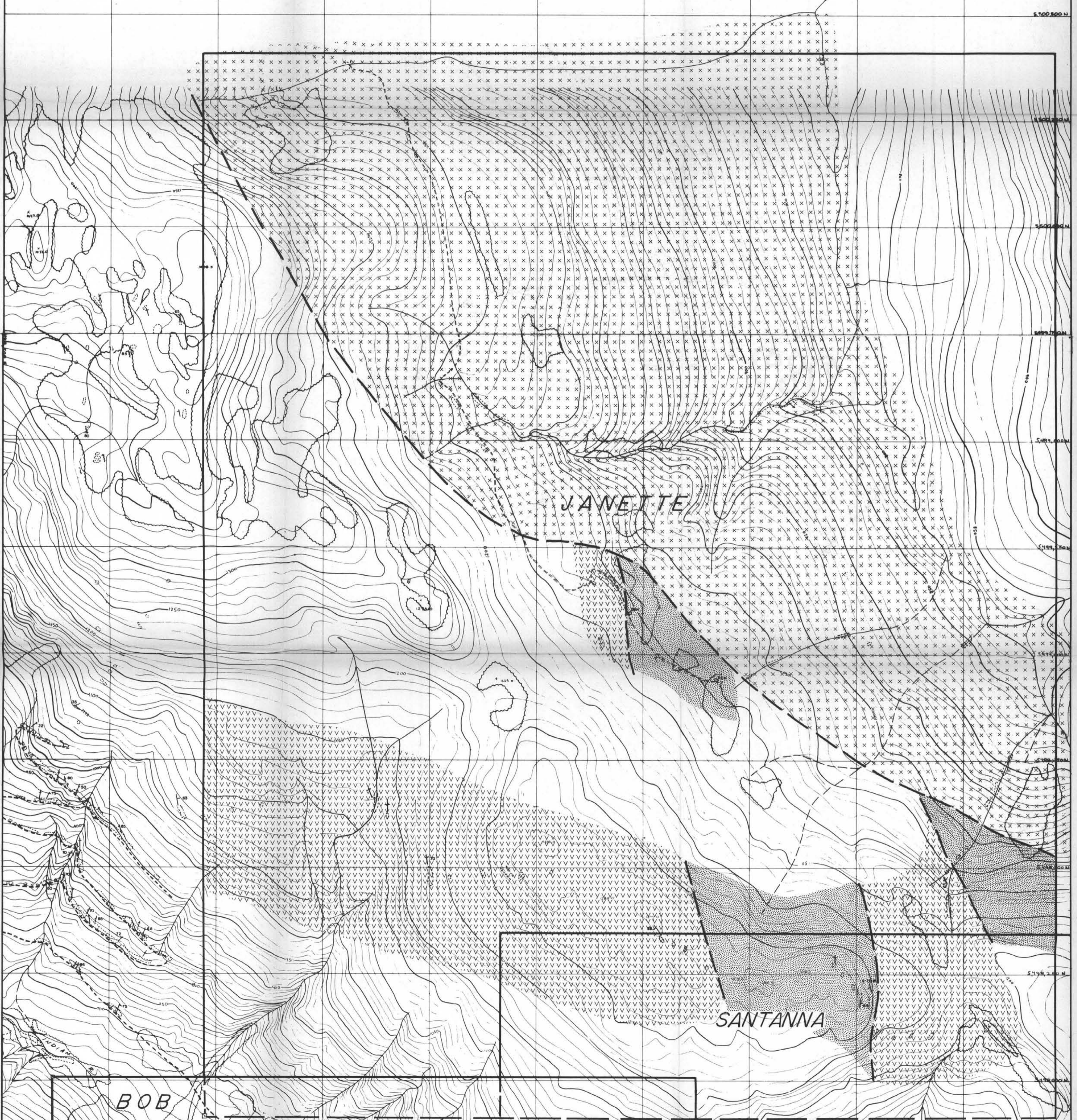


FIGURE NO. 3