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ASSESSMENT REPORT
ON
THE ORM 1 MINERAL CLAIM

VICTORIA MINING DIVISION
NTS 92B
Latitude 123° ⁴⁷~~57~~' W
Longitude 48° ²²~~15~~' N

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

20,051

Hans V. Amelung
Registered Owner: Hans V. Amelung
Operator: Hans V. Amelung
Author of Report: Hans V. Amelung

Date: June 1, 1990

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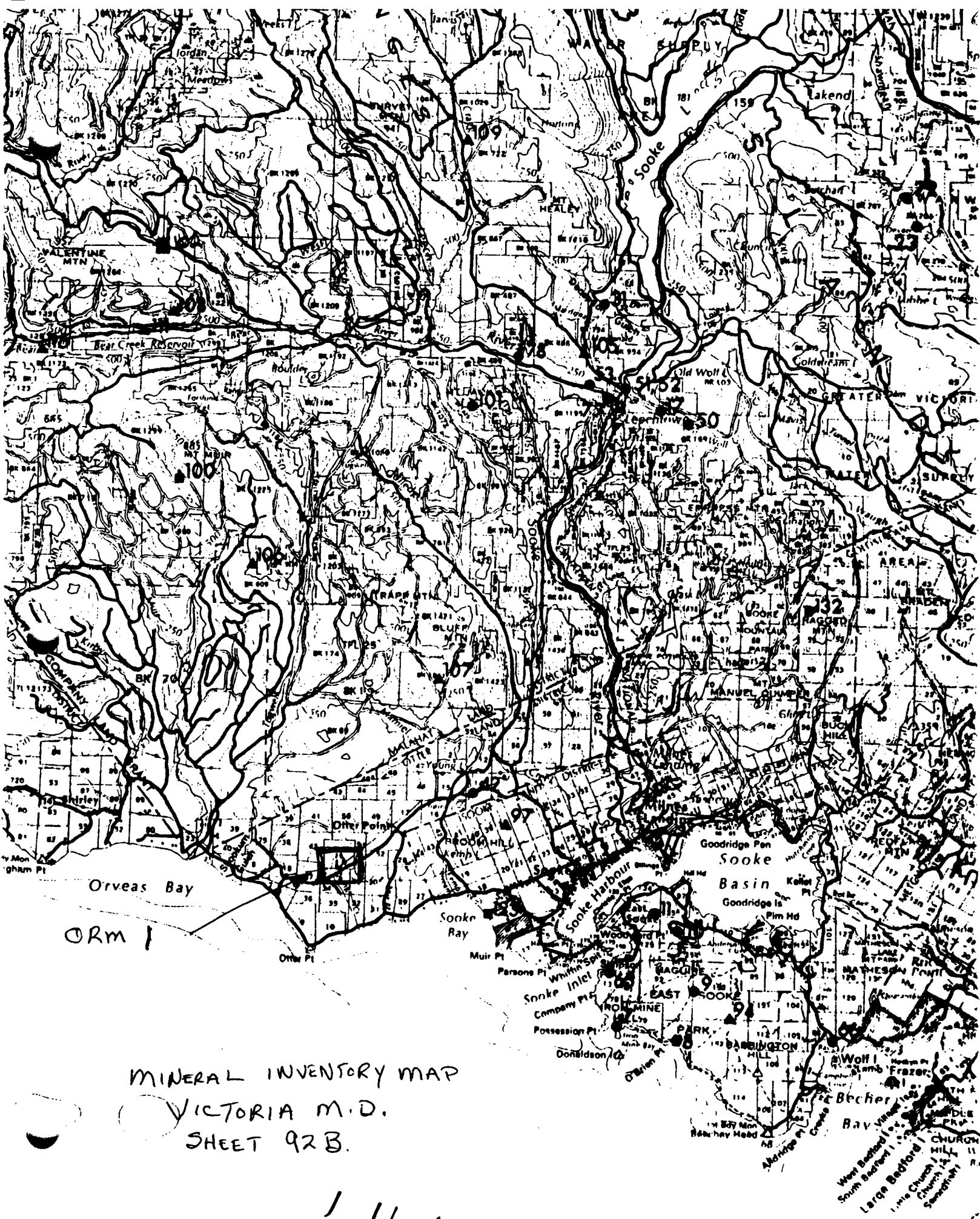
INTRODUCTION

General Geographic Position and Access

The Orm 1 Claim lies west of the village of Sooke, 9.7 Kms by way of Otter Point Road from the intersection of Otter Point Road and Sooke Road.

The Claim can be reached by Two-Wheel Drive and is readily accessible by existing logging roads.

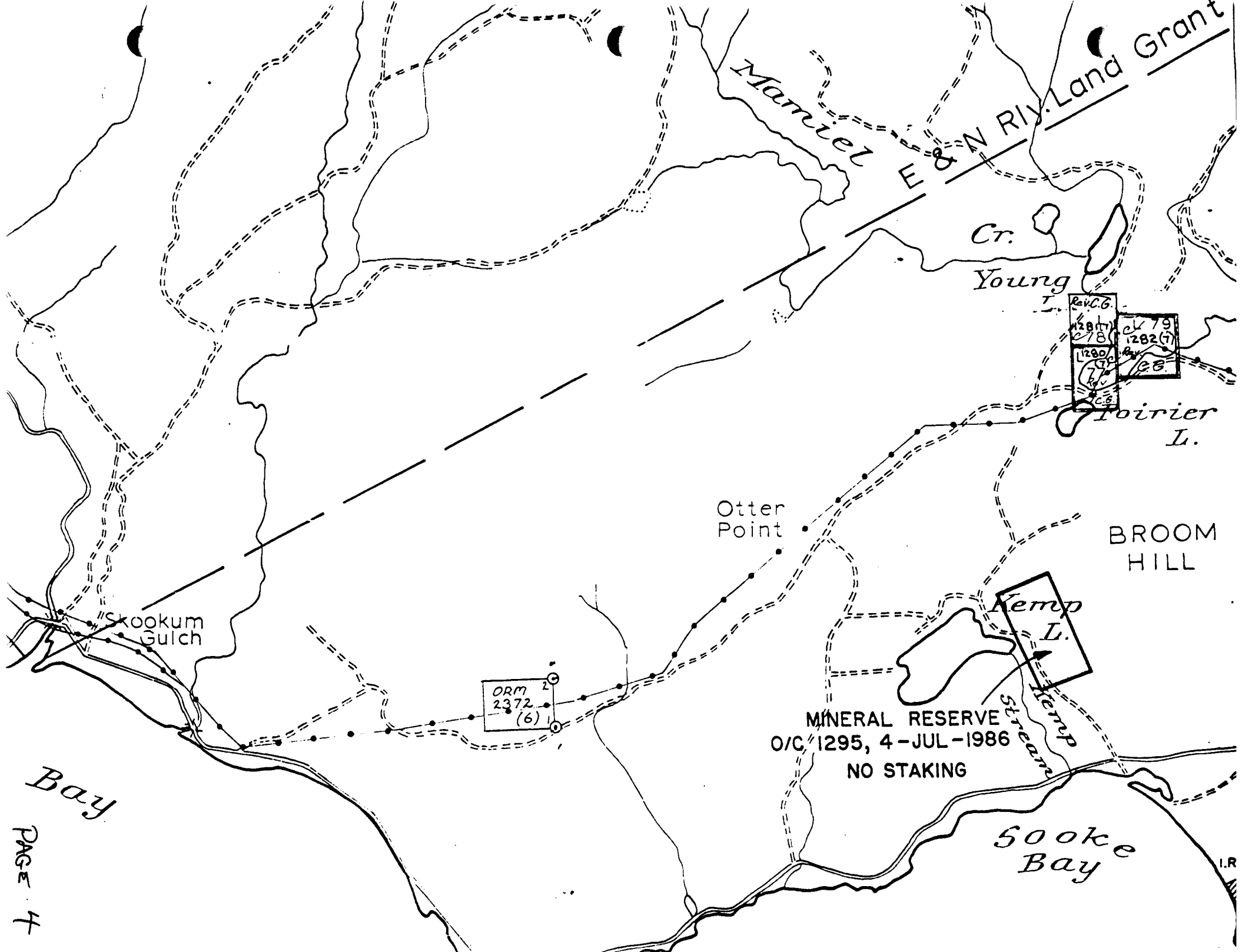
Sooke is accessed by paved road from Victoria; approximately 30 kilometers east, and supplies and services not obtainable in Sooke should be readily available in Victoria.



ORM 1

MINERAL INVENTORY MAP
 VICTORIA M.D.
 SHEET 92B.

I U A N



Mamlet E & N Riv. Land Grant

Cr. Young

Rev. C.G.
1281
1282
1283
1284
1285
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1287
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1289
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1297
1298
1299
1300

Poirier I.

Otter Point

BROOM HILL

Skookum Gulch

Kemp I.

MINERAL RESERVE
O/C 1295, 4-JUL-1986
NO STAKING

Stream Kemp

Bay

Sooke Bay

PAGE 4

PROPERTY DEFINITION

The Claim consists of one 2 Post Mineral Claim.

<u>Claim</u>	<u>Record Number</u>
Orm 1	2372

The Claim is 100% owned by Hans V. Amelung.

HISTORY

Much exploration has been undertaken in the past. The Mineral Inventory Map lists the following occurrences in the vicinity.

<u>Occurrence Number</u>	<u>Name</u>	<u>Element</u>
7	Ralph	Iron, Copper
8	Old Copper Mine	Copper
9	Margaret	Copper
10	Willow Grouse	Copper
11	King George	Copper
42	Florence	Ocher, Alumina, Iron, Gold
65	Hill Zone	Copper
66	Beecher Bay	Copper
94	T, ZZ	Copper
97	Otter	Copper
100	Bear Creek	Copper
101	Jill	Copper
107	BK811	Copper

In 1863 Copper Ore was discovered in Sooke by Captain Jeremy Nagle of Victoria. In 1900 the Pacific Steel Company of Tacoma, Washington attempted to develop a large magnetite deposit. Numerous claims were staked, some shafts were sunk and underground development was done.

In 1915 and 1916 the Willow Grouse (10) reported shipments of 834 tons containing 9 oz. gold, 217 oz. silver and 119,738 lbs. of copper to Tacoma, Washington. In 1917 and 1918 under non-ownership, 547 tons containing 64 oz. silver and 125,365 lbs. of copper was shipped to Ladysmith. In 1917 and 1918 shipments from the Margaret (9) totalling 559 tons containing 6 oz. gold, 92 oz. silver and 42,245 lbs. copper were made.

The Sooke Peninsula Mines were generally located along Shear Zone S. The best mineralization appears where the Zone is intersected by cross faults. Mineralization is developed in cross faults and associated fractures.

ITEMIZED COST STATEMENT

July 15, 1989

Labour

1 Man x 2 Hours x \$15.00 \$ 30.00

Rental

Thames Loader x 2 Hrs x \$25.00 50.00

\$ 80.00 \$ 80.00

May 19, 1990

Labour

1 Supervisor x 6 Hrs x \$15.00 \$ 90.00

2 Helpers x 6 Hrs x \$13.50 162.00

Board

3 Men x 1 Day x \$20.00 60.00

\$312.00 312.00

Total \$392.00

SUMMARY OF WORK

Work to date has consisted of mapping of outcroppings, which are estimated to be 10 to 15% of the property. The strike and dip of faults were measured. Rock samples were collected from the major outcroppings.

DESCRIPTION OF SAMPLES

Samples numbers from map on following page.

Samples From Area 1

- A) Granular, tough, intermediate colour, vesicular medium hard tentatively identified as Basalt. Strongly magnetic mineral in the centre of sample is identified as Magnetite.
- B) Fine grained, knife will scratch, no layers greenish - Serpentine. The mineral Chalcopyrite is visible in this sample as is Calcite.
- C) Granular tough dark, medium hard, vesicular, darker than 1 (A) - Basalt. A layer of Magnetite is visible and appears to fill a fracture.

Samples From Area 2

- A) Basalt identified in Area 1 Iron rust and what appears to be Manganese stains are visible - some Magnetite present. Calcite is present (vigourous effervescence) what appears to be small crystals of either Pyroxene or Amphibole are visible under 16X hand levs.
- B) Same as (A) above.

Samples From Area 3

- A) Basalt fractures filled with Serpentine and Quartz - visible chalcopyrite and possible iron pyrite.
- B), C), D), E) Same as A).

Samples From Area 5

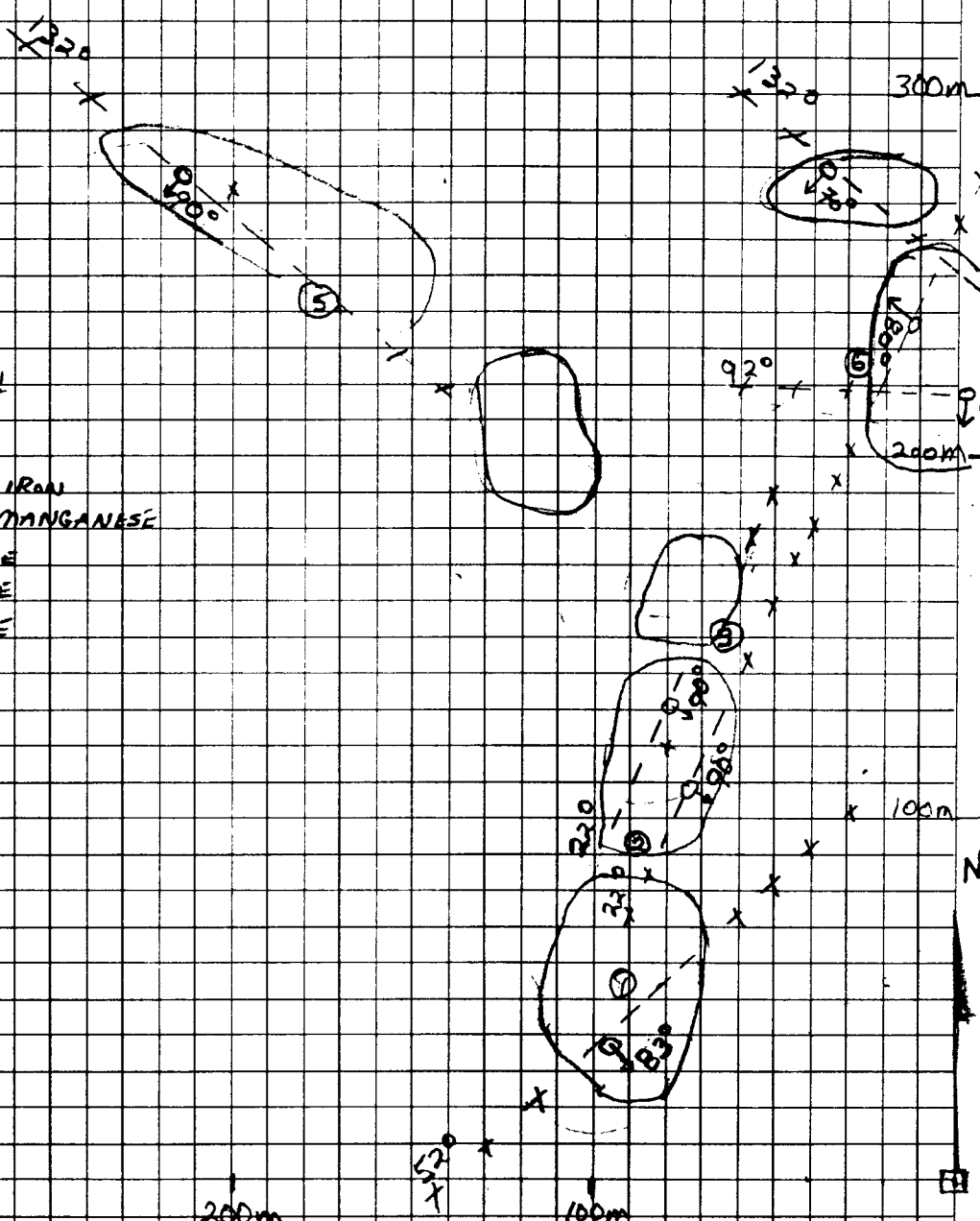
- A) Basalt - large vesicules filled with Quartz some Amphibole and Pyroxene, some magnetite.
- B) Quartz which appears to be intruded with a reddish material (unidentified) and a greenish material (epidote/zeolite ??).

Sample From Area 6

Basalt - large vesicules filled with quartz.

ORM 1 CLAIM
 OUTCROPPINGS, FAULTS AND SAMPLE LOCATION
 JUNE 9 1990

SAMPLE	MINERALIZATION
①	CHALOPYRITE MAGNETITE
②	WEATHERED IRON " MANGANESE
③	CHALOPYRITE IRON PYRITE
⑤	MAGNETITE



1CM = 20 METERS
 ○ = SAMPLE LOCATION
 □ = CLAIM POST
 ▭ = DIP
 ▭ = OUTCROPPING
 - - - = FAULT (MEASURED) + + + (INFERRED)

METRIC

INTERPRETATION

The principal rock identified in outcroppings is Basalt. This is believed to be of the Eocene Age (50 to 57 million years). It is generally known as Metchosin volcanics.

The presence of Serpentine and either Amphibole or Pyroxene would indicate some metamorphism at a later date, presumably caused by the presence of reasonably close intrusive rocks.

The minerals identified, Magnetite, Chalcopyrite and pyrite were all found along strong fault lines.

Rocks at Area 5 tend to indicate perhaps three possible occurrences of fracture filling action. Interestingly this area is a cross fault and may have seen more recent activity.

Mineral exploration in this area should concentrate along known and reasonably inferred faults. Particular attention should be paid to areas of cross faults as the mineralization on this property could be related to the Gabroic Intrusion in East Sooke Peninsula. In the East Sooke area northeasterly trending shear zones yielded high mineral concentrations where they were cross faulted. Interestingly the main faults on the Orm property trend north to northeast with some nearly perpendicular cross faulting.

AUTHOR'S QUALIFICATION

The author has not completed the Ministry's Mineral Exploration Course for Prospectors. However, the author has substantial experience with a variety of rocks and the commercial use of rock and quarry products. Some private study has been undertaken. One of the labourers during prospecting, who also provided assistance with the writing of this report, has successfully completed the Ministry's course and has in addition substantial relevant and related experience.