

85-957-14086

ASSESSMENT REPORT

1985 GEOCHEMICAL SURVEY PROGRAM UNDERTAKEN ON THE  
TEIHSUM PROPERTY  
PORT ALICE, BRITISH COLUMBIA

CLAIMS INVOLVED:	WID 1-3; Box 1-2
MINING DIVISION:	Nanaimo
NTS LOCATION:	Map 92L6 E and W
LATITUDE - LONGITUDE:	50° 20' N: 127° 19' W
OWNER OF CLAIMS:	Westmin Resources Limited
OPERATOR OF CLAIMS:	Westmin Resources Limited
AUTHOR:	Shaun M. Dykes Project Geologist Westmin Resources Limited
DATE:	October 28, 1985

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

14,086

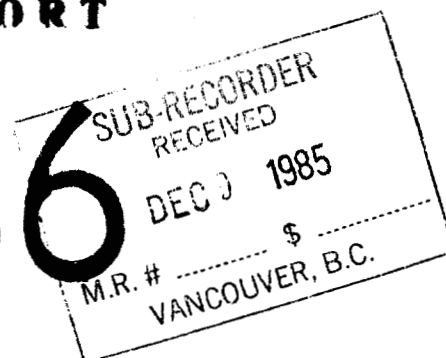


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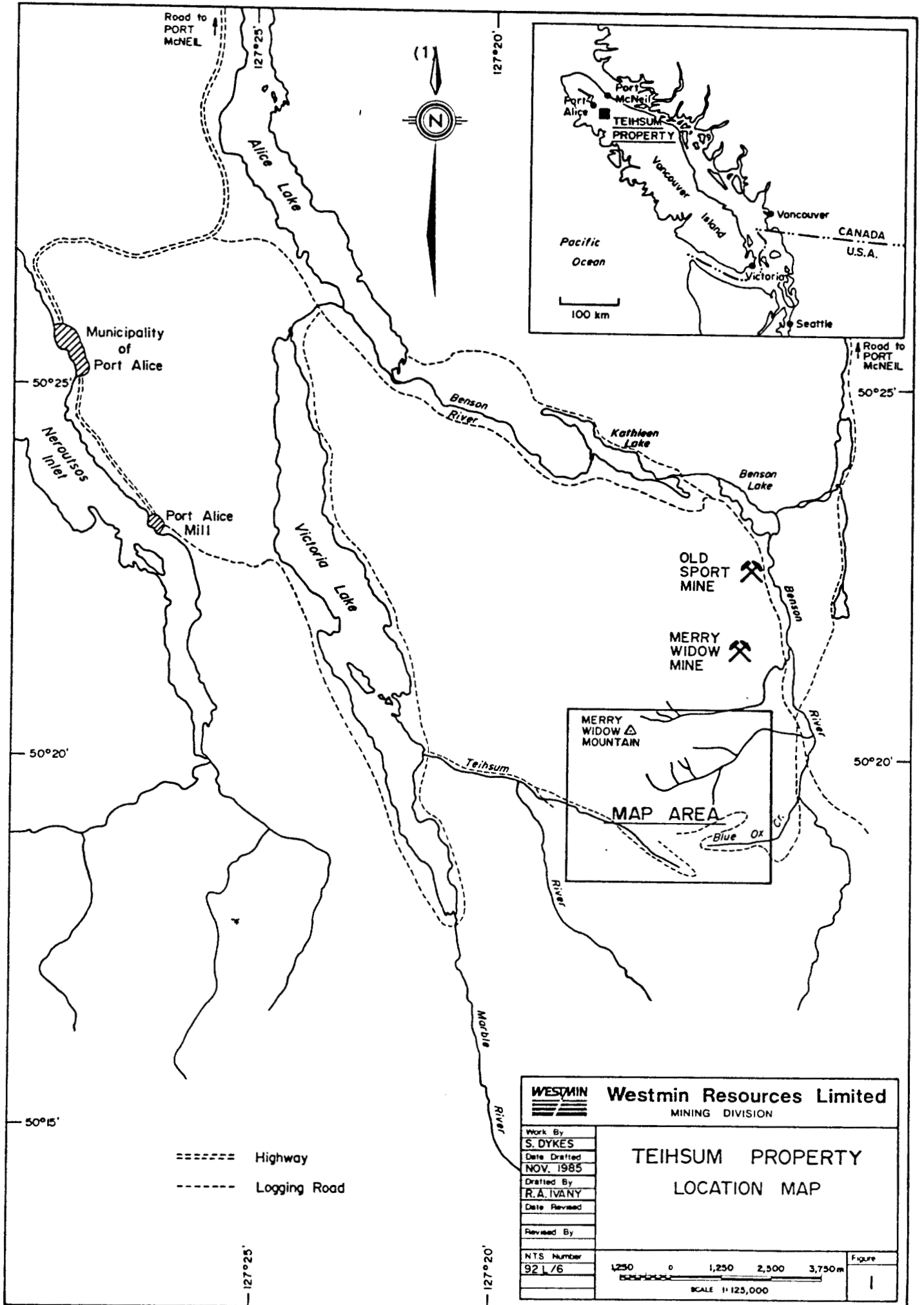
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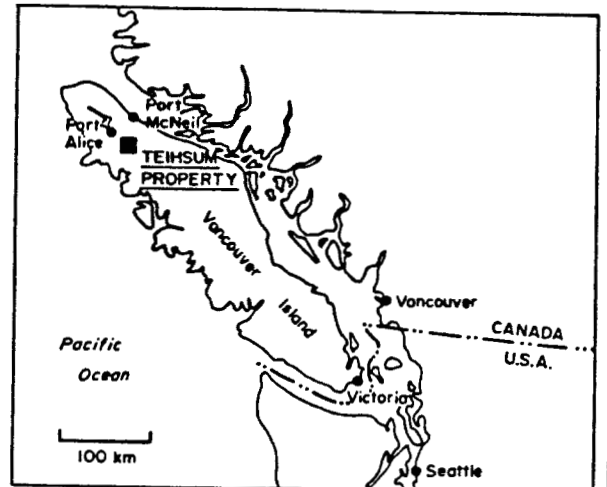
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Road to  
PORT  
McNEIL



Municipality  
of  
Port Alice

Nerouzos  
Inlet

Port Alice  
Mill

Victoria  
Lake

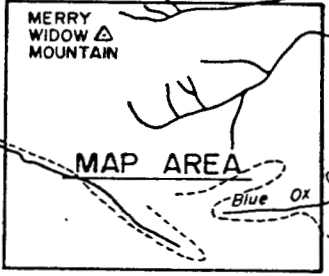
Benson  
River

Kathleen  
Lake

Benson  
Lake

OLD  
SPORT  
MINE

MERRY  
WIDOW  
MINE



Teihsum

Marble  
River

Benson  
River

Blue  
Ox

- Highway
- ..... Logging Road

<b>WESTMIN</b> Westmin Resources Limited MINING DIVISION	
Work By <b>S. DYKES</b>	<b>TEIHSUM PROPERTY LOCATION MAP</b>
Date Drafted <b>NOV. 1985</b>	
Drafted By <b>R.A. IVANY</b>	
Date Revised	
Revised By	
NTS Number <b>92 L/76</b>	<p>SCALE 1:125,000</p>
	Figure <b>1</b>

INTRODUCTION

The Teihsum property is located 27 km southwest of the town of Port Alice, B.C. at the north end of Vancouver Island. The claims are located on the south facing slope of Merry Widow Mountain within the Teihsum River and Blue Ox Creek drainage area (Figure 1).

The property is accessible by well maintained and active logging roads owned by Western Forest Products Ltd. and MacMillan Bloedel Ltd.

The property was staked in the fall of 1984 as the result of a regional geochemical survey. Previous work in the area has been carried out on the north slope of Merry Widow Mountain, where the Merry Widow and Old Sport skarn deposits have been mined. No previous work within the claim boundaries has been identified.

1985 GEOCHEMICAL SURVEYDescription

A total of 143 soil and 60 silt samples were taken (samples SM 001 to SM 146; TS 001 -15; TS 29 to 72), at roughly 100 metre intervals along the major creeks and across the contours within the Teihsum and Blue Ox Creek valleys. Soil samples were taken within the "B" soil horizon at depths ranging from 12 cm to 50 cm using a small grub hoe. Care was taken to remove all visible contaminating material i.e. large rock fragments, wood chips and roots. Silt samples consisted of the finest particles within the creek bed, as with the soils, care was taken to remove all visible contaminants.

Purpose

Survey was designed to test for bedrock related geochemical anomalies within an area covered by overburden.

Analysis

The samples were sent to Min-En Laboratories Ltd. in North Vancouver with the SM series analyzed for Au, Ag, Cu, Pb, Zn, As, Hg, Sb and the Ts series for Au, Ag, Cu, Pb, Zn, As and Sb. The samples were sieved to a -80 mesh and were analyzed using acid digestion, spectrophotometric and atomic absorption techniques (A.A.). The Ag, Cu, Pb, and Zn underwent nitric, perchloric digestion followed by A.A. analysis.

The Au and Sb were done using Aqua Regia digestion and A.A. analysis, As was done using spectrophotometric techniques and the Hg was analyzed by flameless A.A.

The analytical results were given in terms of parts per million for Ag, Cu, Pb, Zn, As, and Sb and in parts per billion for Hg and Au.

INTERPRETATION

An examination of the geochemical results, Figures 2 and 3, reveals the presence of several significant anomalies within the property (grey shaded areas in Figure 2 and 3). Table 1 outlines the values used to identify anomalous samples. The best area appears to be on the west side where several moderate to strong arsenic anomalies (>400 ppm), with related mercury (>200 ppm) and possibly antimony (>10 ppm) occur. In addition, a very strong gold anomaly (>200 ppb) has been identified in Deadfall Creek (Figure 2). East of Deadfall Creek, a weak to moderate gold with associated Cu, Pb and Zn anomalies were identified. In Blue Ox Creek, weak to moderate mercury anomalies were indentified.

Finally numerous single samples were identified as being anomalous. The overall results indicate potential for Au, As, Hg epithermal type mineralization within the property.

TABLE 1

List of values used to identify Anomalous Samples		
Element	Possibly Anomalous	Definitely Anomalous
Au	50-100 ppb	> 100 ppb
Ag	2- 3 ppm	> 3 ppm
As	250-400 ppm	> 400 ppm
Hg	200-250 ppm	> 250 ppm
Cu	75-100 ppm	> 100 ppm
Pb	40- 50 ppm	> 50 ppm
Zn	200-280 ppm	> 280 ppm
Sb	5- 10 ppm	> 10 ppm

ITEMIZED COST STATEMENT

Senior Supervision	5 man days @ \$300.00/day	\$ 1,500.00
Project Geologist	25 man days @ \$187.50/day	4,687.50
Junior Assistant	21 man days @ \$75.00/day	<u>1,575.00</u>
	Total Labour	<u>\$ 7,762.50</u>
Truck Rental	1 month at \$496.41/mth	496.41
2 return plane tickets Vancouver - Campbell River		270.40
Accommodations - motel	20 days @ \$48/day + 7% tax	1,027.00
Food	20 days x 2 men x \$27.50/day	1,100.00
Gas		<u>160.91</u>
	Total Travel & Subsistence	<u>\$ 3,054.92</u>
145 soil and silt samples analyzed for Au, Ag, Cu, Pb, Zn, As, Hg, Sb at \$25.47/sample		3,693.15
58 soil and silt samples analyzed for Au, Ag, Cu, Pb, Zn, As, Sb at \$22.28/samples		1,292.34
Report: Project Geologists	2 days at \$187.50/day	375.00
Drafting	8 hours @ \$20/hour	160.00
Typing	4 hours @ \$20/hour	<u>80.00</u>
		<u>\$ 615.00</u>
	TOTAL WORK	<u>\$16,417.91</u>

STATEMENT OF QUALIFICATION

University Education

- 1976 graduated with B.Sc (eng) degree in Geology from Queen's University, Kingston, Ontario
- 1979 graduated with M.sc (eng) degree in Geology from Queen's University, Kingston, Ontario
- Courses taken based on mineral exploration, igneous petrology, and mineral economics

Practical Experience:

- 5 summers experience in Northern Ontario and Northeastern British Columbia
- since September, 1979 have been working as a Project Geologist for Westmin Resources Limited on a wide variety of projects.

Respectfully submitted,

Shaun M. Dykes

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- ANOMALOUS AREAS
- ANOMALOUS VALUES
- POSSIBLE ANOMALOUS VALUES

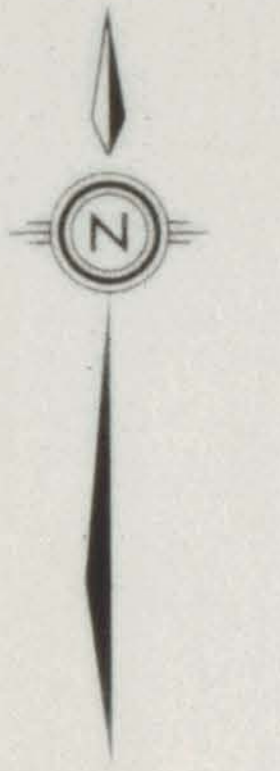
**LEGEND**

- SAMPLE NUMBER
- SILT SAMPLE
- SOIL SAMPLE
- DRAINAGE DIVIDE
- ROAD
- CREEK
- CLIFF
- BRIDGE
- LEGAL CORNER POST

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**14,086**

<b>Westmin Resources Limited</b> MINING DIVISION	
<b>TEIHSUM PROJECT</b> SOIL & SILT GEOCHEMISTRY Au (ppb), Ag (ppm), Hg (ppb), As (ppm)	
Work By: S. Dykes Date Drawn: October 1985 Drafted By: R.A. Ivory Date Revised:	Revised By: N.T.S. Number: 92 L/86
SCALE = 1:5,000	
Figure <b>2</b>	



- ANOMALOUS AREAS
- ANOMALOUS VALUES
- POSSIBLE ANOMALOUS VALUES

**LEGEND**

- SAMPLE NUMBER
- SILT SAMPLE
- SOIL SAMPLE
- DRAINAGE DIVIDE
- ROAD
- CREEK
- CLIFF
- BRIDGE
- LEGAL CORNER POST

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**14 086**  
Westmin Resources Limited  
MINING DIVISION

Work By  
S. Dykes  
Date Drafted  
October 1985  
Checked By  
R. A. Ivory  
Date Revised

Revised By

NTS. Number  
92 L/B

**TEIHSUM PROJECT**  
SOIL & SILT GEOCHEMISTRY  
Cu, Pb, Zn, Sb (ppm)

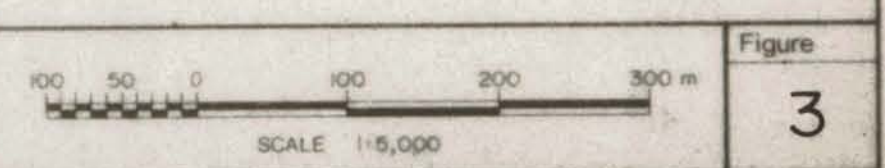


Figure  
**3**