

4321

901/72/100

MAGNETOMETER SURVEY

AND

RECONNAISSANCE GEOLOGICAL MAPPING

EDEN & EZRA GROUP

HIGHLAND VALLEY

KAMLOOPS M.D.

Lat. $50^{\circ} 31' N.$

Long. $120^{\circ} 50' W.$

Department of
Mines and Technical Resources
ASSESSMENT REPORT

for

NO. **4321** MAP.....

AZURE RESOURCES LTD

James R. Glass, P.Eng.,

May, 1973

TABLE OF CONTENTS

	Page
SUMMARY.....	1
PROPERTY.....	1
GENERAL GEOLOGY.....	2
HISTORY OF PROPERTY.....	2
PRESENT WORK.....	3
GEOLOGY.....	4
MAGNETIC SURVEY.....	4
STATEMENT OF COSTS.....	5

MAPS

	Scale
# MAG SURVEY - GEOLOGY	
EDEN GROUP - EZRA GROUP	1" = 400 feet

SUMMARY

Azure Resources Ltd carried out a magnetometer survey and did some preliminary geological mapping over parts of the Eden and the Ezra groups of claims from April 9th until April 18th, 1973. Control for the surveys was established by marking, picketing and chaining old lines, and tying the lines into claim posts.

PROPERTY

The Eden and Ezra groups of claims consist of the following claims:

EDEN GROUP:

<u>Claim Name</u>	<u>Record Nos:</u>
Eden 1-20 incl.	120357-120366
CL 60-69 incl.	46816-46825
Indian Fr. 1,2	110645-110646

EZRA GROUP:

<u>Claim Name</u>	<u>Record Nos:</u>
Ezra 1-20 incl.	45901-45920
Job 1-4 incl.	45921-45924
Job 14	45934

The two groups of contiguous claims are located about four miles east of the Bethlehem Copper Mine in the Highland Valley, in the Kamloops Mining Division at $50^{\circ} 30'$ N Lat. $120^{\circ} 51'$ W. Long. The claims are recorded in the name of D.R. Foster of Kamloops.

GENERAL GEOLOGY

The geology of the area surrounding the claim blocks is outlined by Bulletin 62 of the B.C. Dept. of Mines & Petroleum Resources and is plotted on maps of scale $1" = 4$ miles.

The area of the claims is underlain by rocks of the Highland Valley Quartz Diorite. A regional fault which trends approximately $E 10^{\circ} E$ is located south of the claim blocks.

HISTORY OF PROPERTY

The property was acquired by New Indian Mines Ltd., prior to 1966. During the 1966 field season an Induced Polarization survey was carried out and diamond drilling was done over the anomalous areas. Geochemical soil surveying and trenching was also done on the claims.

There is no record of further work since that program. The name of New Indian Mines Ltd was changed to Azure Resources Ltd., in 1972.

PRESENT WORK

The work carried out by Azure Resources Ltd consisted of cleaning, chaining and picketing old control lines, geological reconnaissance mapping and performing a magnetometer survey.

The geological mapping and part of the magnetometer survey was done by James R. Glass, P.Eng. The remainder of the magnetometer survey was done by Philip Renouf, field assistant.

The magnetometer survey was done using two magnetometers, one Sharpe Model M.F.-1 and one McPhar Model No. M-700. The two instruments were calibrated using a base station, and diurnal variations were measured. Readings were taken at 100-foot intervals and notes made on both outcrop pattern and topography.

A map of scale 1" = 400' showing the outcrop pattern and the magnetometer readings and magnetic contours is included in this report.

GEOLOGY

The property is underlain by a leucocratic granodiorite which is generally unaltered and massive.

The granodiorite in the north half of Eden II claim is generally silicified and appears to be more fractured than the remaining area. The jointing trends in a direction approximately N 20° E and is steeply dipping.

MAGNETIC SURVEY

The results of the magnetic survey indicate no significant rock change or major structure on the property. There are no significant magnetic anomalies, either highs or lows, on the survey area.

It was noted that higher readings are encountered at hill tops and rock outcrops, and lower readings at swamps and gullies. It is felt that the magnetic contours generally reflect thickness of the overburden cover.

STATEMENT OF COSTS

EDEN GROUP:

Line cutting and mag survey

15.7 miles at \$150/mile \$2,355.00

Geol. Mapping 1 day at \$150.00 150.00

Hotel 10.00

Vehicle 1 day at \$35.00 35.00

TOTAL \$2,393.00

EZRA GROUP:

Line cutting and mag survey

16.0 miles at \$150/mile \$2,400.00

Geol. Mapping 1 day at \$150.00 150.00

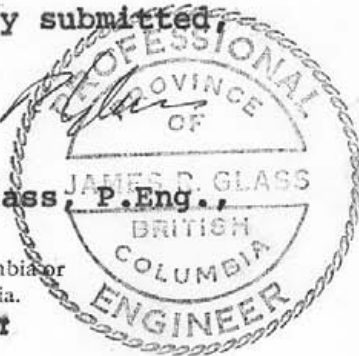
TOTAL \$2,550.00

4,943

Declared before me at the *City*
of *Vancouver*, in the
Province of British Columbia, this *8th*
day of *June* 1973, A.D.

Respectfully submitted,

James R. Glass
James R. Glass, P. Eng.,

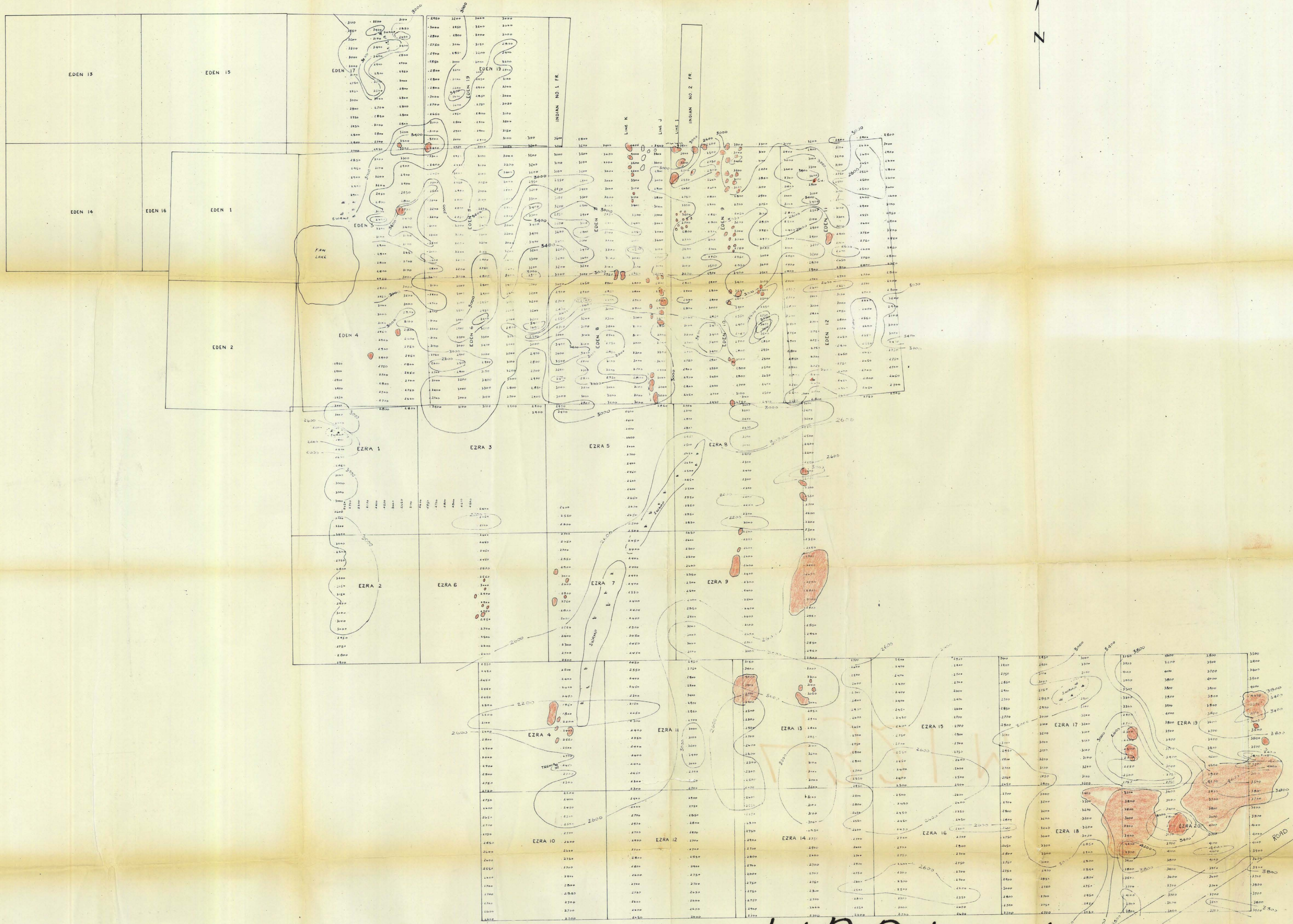


G. Phillips
A Commissioner for taking Affidavits within British Columbia or
A Notary Public in and for the Province of British Columbia.

Vancouver, B.C.

Sub-mining Recorder

May, 1973



4321 M-1

- LEGEND
- ~ MAG CONTOUR 400 GAMMAS
 - OUTCROP - GRANITE
 - - - POSSIBLE FAULT
 - SWAMP

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
No. 4321 MAP #1

MAP SHOWING

MAG SURVEY - GEOLOGY
EDEN GROUP - EZRA GROUP
KAMLOOPS MD
scale 1 in. = 400ft.

To Accompany Report by J.R. Glass MAY 1973

