

91-# 57-# 8972

GEOCHEMICAL AND MAGNETOMETER REPORT

on behalf of
AZORA MINERALS INC.

SALT 10 CLAIMS
Lat. 49°56'30" Long. 120°25'

NICOLA MINING DIVISION

92H / 16W

DATE OF WORK: Sept. 25 - Nov. 27, 1980

DATE OF REPORT: Feb. 5, 1981

AUTHOR: James G. Ager, B. Sc.

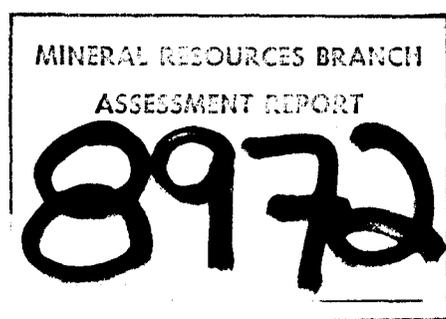


TABLE OF CONTENTS

	<u>Page</u>
INTRODUCTION	1
PROPERTY	2
LOCATION AND ACCESS	2
GENERAL GEOLOGY	2
SURVEY GRID	5
MAGNETOMETER SURVEY	5
GEOCHEMICAL SURVEY	6
DISCUSSION OF RESULTS	6
CONCLUSIONS AND RECOMMENDATIONS	6
STATEMENT OF QUALIFICATION	7
COST BREAKDOWN	8

ILLUSTRATIONS

Figure 1	Location Map	3
Figure 2	Magnetometer Map	
Figure 3	Geochemical Map - Copper	
Figure 4	Claims Map.....	4

INTRODUCTION

This report summarizes the results of a geochemical and magnetometer survey over the Salt 10 claim area. The purpose of the survey was to test the area for copper mineralization near the contact between the Nicola Volcanics and the Pennask Pluton complex.

PROPERTY

The property is located about eleven kilometers east of Aspen Grove, B.C. The Salt 10 claims consist of 9 units as illustrated on Figure 1 and Figure 1-A.

Record No. 961
Recorded on September 24, 1980

LOCATION AND ACCESS

The Salt 10 claims are located in the Nicola Mining Division near Lat. 49°56'30", Long. 120°25'.

Road access is available to the ground from a point some nine kilometers south of Aspen Grove on Highway No. 5, then by forest access road eastward of about twenty-nine kilometers to the claims area.

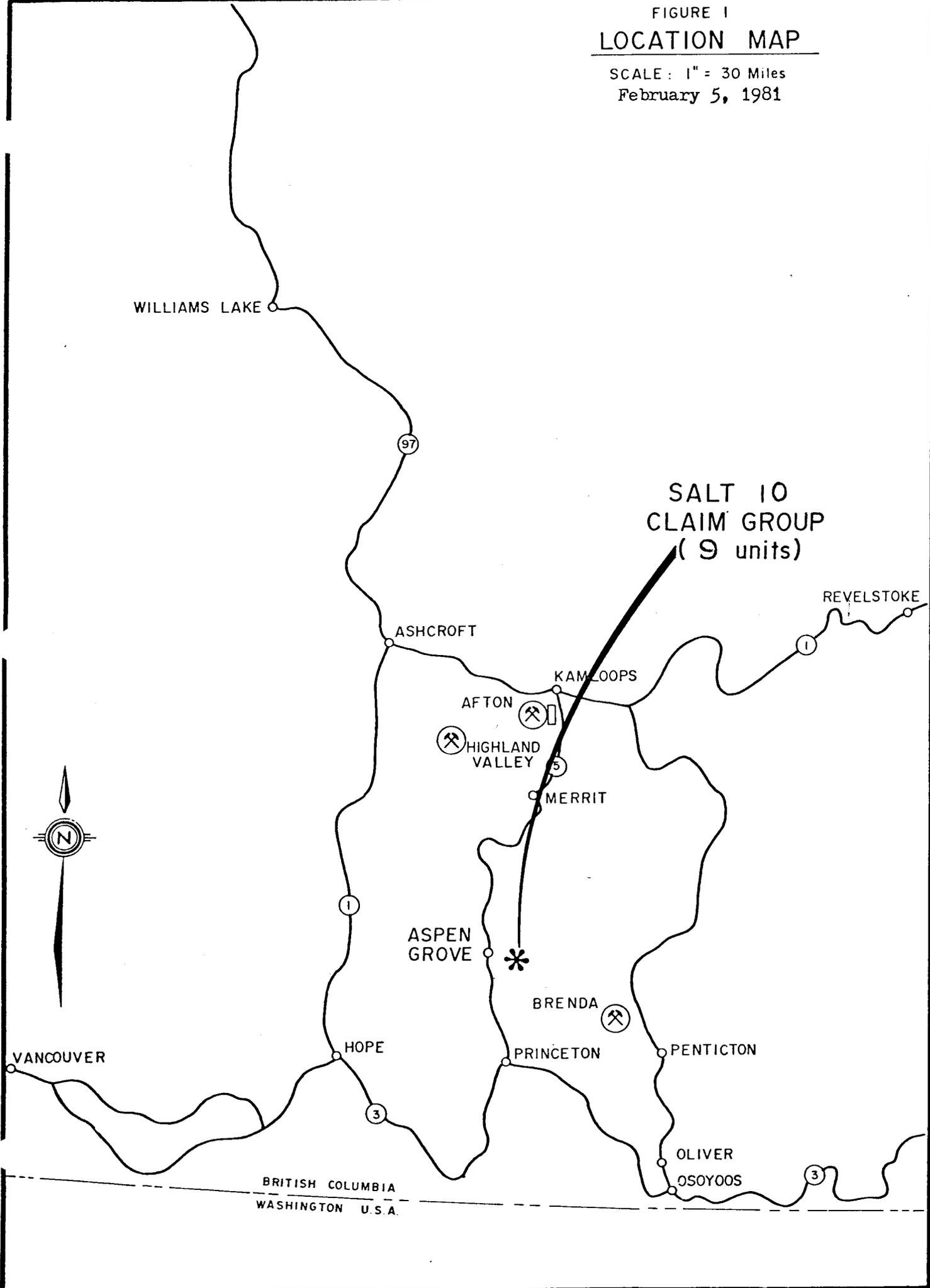
Elevations vary from about 3,800 feet above sea-level to some 4,500 feet above the ground. A major portion of the central area has been recently logged and is cleared of timber. Heavy overburden obscures the local area.

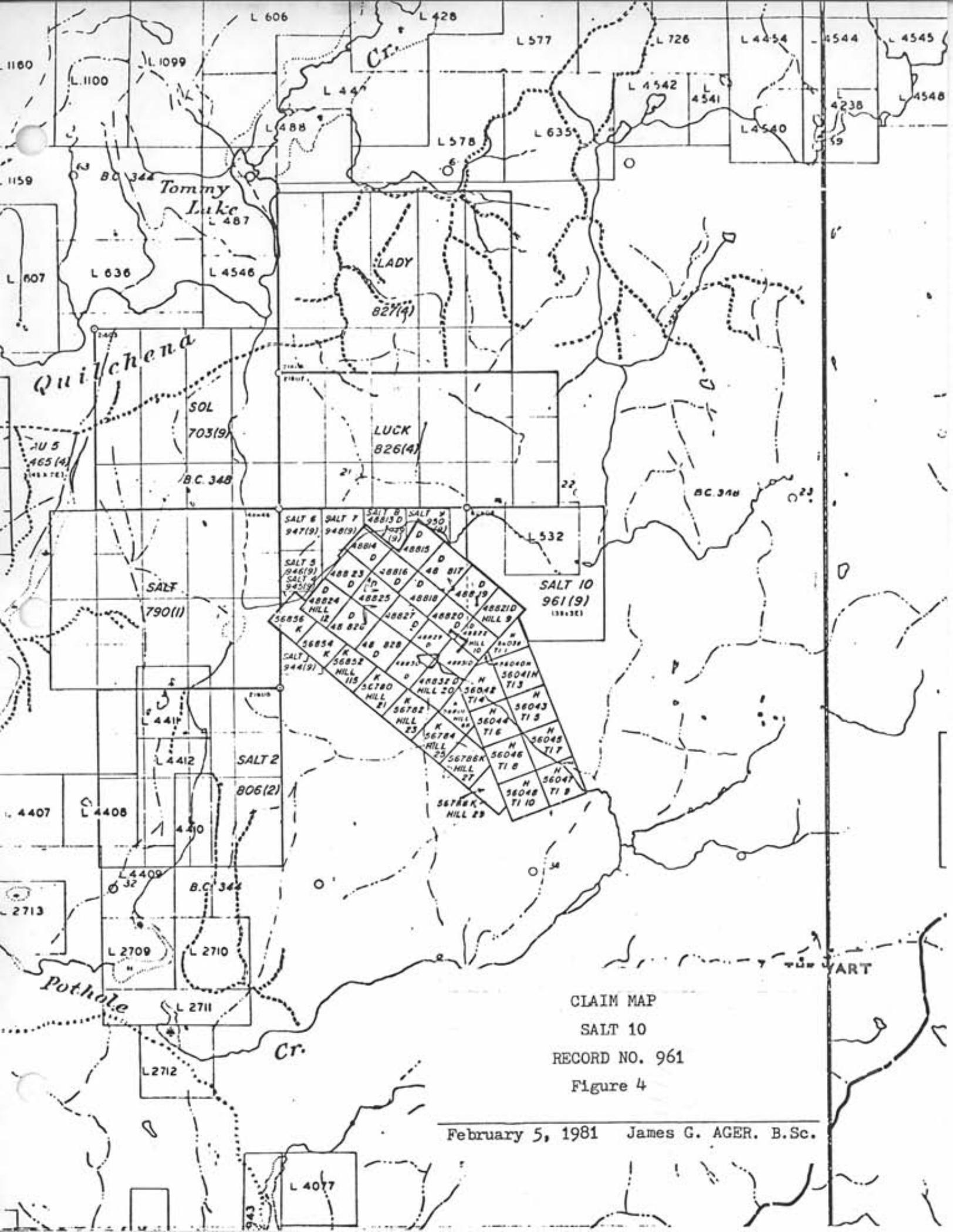
GENERAL GEOLOGY

The area is underlain by Nicola volcanics in the west contact area of the Pennask Pluton. This contact area occurs in the eastern part of the claim block. The regional trend of the rock structures is slightly west of north. In the extreme southwest corner adjoining the Hill Group of Claims outcrops of Nicola Volcanics are visible and contain a small amount of pyrite. A tentative time table of

FIGURE 1
LOCATION MAP

SCALE: 1" = 30 Miles
February 5, 1981





CLAIM MAP
 SALT 10
 RECORD NO. 961
 Figure 4

February 5, 1981 James G. AGER. B.Sc.

geological events occurs for the area as follows:

<u>FORMATION</u>	<u>DESCRIPTION/EVENT</u>	<u>AGE</u>
Sand, gravel and loam	Unconsolidated (Erosional Unconformity)	Quaternary
Mineralization metamorphism and hydrothermal alteration	Gold, silver and sulphides of copper, iron and molybdenum (Faulting, folding and related tectonic activity associated with the several events surrounding the intrusion of the Pennask Pluton and satellite masses)	Tertiary (?)
Pennask Pluton complex	Granodiorite, granitic phases, diorite and related secondary interaction dykes (Faulting, folding and related tectonic activity)	Jurassic
Nicola Volcanics	Basalt, andesite with related fragmental rocks, pelitic sediments and minor conglomerate	Upper Triassic

SURVEY GRID

The 9 unit Salt Claims were divided into north-south lines on 100 meter spacing. The claim boundaries were used for control and samples taken at 50 meter spacings. Approximately 24 kilometers of compass flagged line was completed.

MAGNETOMETER SURVEY:

The survey was conducted using a Scintrex MF-1 Fluxgate Magnetometer. Readings were taken at 50 meter intervals. The magnetic character of the underlying rock was iso-contoured and is given in detail on figure 2.

GEOCHEMICAL SURVEY

Soil samples of the "B" horizon were collected at each station as mapped in figure 3. The samples were individually augered and taken from good sample depth approximately 1 meter in heavy glacial overburden. The samples were sent to Chemex Labs Ltd., of North Vancouver, B.C. for drying, -80 mesh saving, digestion by hot perchloric/nitric acid and analysis by atomic absorption was carried out under supervision of professional geochemists. Samples obtained were analysed for copper.

DISCUSSION OF RESULTS

The individual results of the Geochemical and Magnetometer survey are given in figure 2 and figure 3. Several small spot copper anomalies occur on the property, of which 170 p.p.m. was the high above a background of 30 p.p.m. These results show us obvious local trend or large continuous zone. Nicola Volcanics with visible pyrite was found at Station 60E+82S but no response for copper was indicated in the soils. The area in the S-W corner and N-W corner contain several small anomalies and should be further investigated by field prospecting.

In figure 2, high magnetic profiles most likely record underlying Nicola Volcanic basalts and andesites, as at stations 30E+140S, and 20E+65S. Areas of low readings at 70E-30 to 1000S and 100E-30 to 85S show a N-S linear trend and may be caused by an altered fault or to Nicola sediments, fragmental rocks, or the Pennask Pluton. There appears to be no correlation between the magnetometer results and the spot copper anomalies.

CONCLUSIONS AND RECOMMENDATIONS

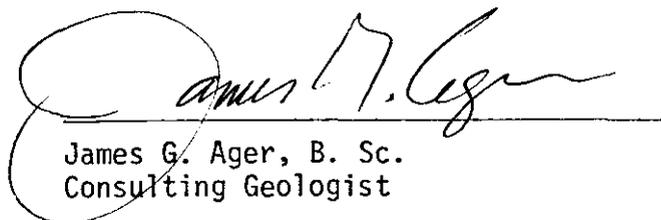
The two individual surveys located some small spot copper anomalies and some apparent N-S faults or contact zones. No relation can be seen between the magnetometer results and the spot copper anomalies. The area in the N-W and S-W corner of the claims and the small copper anomalies should be prospected and sampled if possible.

CERTIFICATE

I, James G. Ager, B. Sc., of Vancouver, British Columbia, do hereby state:

1. I am a Consulting Geologist. I graduated from the University of British Columbia, Canada, in 1972.
2. I have worked in the exploration field as follows:
 - Jayco Syndicate; summer season, 1967.
 - Magnetron Mining Ltd.; May, 1968 - September, 1970.
 - Magnetron Mining Ltd.; summer season, 1971.
 - Sibola Mines Ltd.; May, 1972 - October, 1974.
 - Self-employed Geologist; October, 1974 to present, as Geologist and Project Supervisor for various Mining Companies throughout British Columbia and the Yukon, including Azora Minerals Inc., Pryme Energy Resources Ltd., Petersfield Oil and Minerals Ltd., and Lansdown Oil & Minerals Ltd.
3. The work was done by Hi- Tec Resource Management Ltd. under the supervision of Glen E. White, P. Eng.

DATED at VANCOUVER, BRITISH COLUMBIA, the 5th day of February, 1981.


James G. Ager, B. Sc.
Consulting Geologist

COST BREAKDOWN
FOR GEOCHEMICAL AND
MAGNETOMETER SURVEYS

<u>Dates of Work</u>	By Contract	
	Between September 25 - November 25, 1980	
- Establish lines and stations		
- Magnetometer survey		
- Soil Sample		
- Basemap		
Total per bill		\$5,425.00
Drafting and mapping		250.00
Geochemical analysis		<u>1,396.50</u>
		<u>\$7,071.50</u>



HI-TEC
RESOURCE
MANAGEMENT
LIMITED

1510-2004 FULLERTON AVE. NORTH VANCOUVER B.C. V7P 3S7
TEL 922-2707

14 September 1980

Azora Minerals Ltd
1318-510 West Hastings Street
Vancouver B.C.
V6E 1L8

PROJECT

Staking of Salt 10 mineral claim (9 units).... \$ 540.00

Hi-Tec Resource Management Ltd will establish a survey grid, Magnetometer survey, Geochem survey as follows;

- * Establish lines 100 M apart flagged and numbered at 50m intervals from an E/W baseline.
- * Provide a magnetometer survey at 50m intervals
- * Take soil samples of the "B" horizon with samples to be delivered to Chemex Labs.
- * Provide a basemap with the topography claim and survey line data.

Cost..... \$5425.00

Payment Schedule

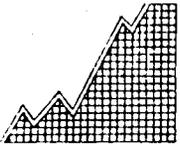
Upon acceptance of this agreement Azora Minerals Ltd. will advance a sum of \$3000.00 with \$2500.00 to be paid upon completion of the project and the balance to be paid upon receipt of the basemap.

Yours truly
J. Malcolm Bell
J. Malcolm Bell

Accepted on behalf of
Azora Minerals Ltd.

James A. Legg

PAID:
Ch # 023 \$3,000
025 \$2,500
Total \$5,500
Paid in full.



HI-TEC
RESOURCE
MANAGEMENT
LIMITED

1510-2004 FULLERTON AVE. NORTH VANCOUVER B.C. V7M 1G7
TEL 922-2707

17 November, 1980.

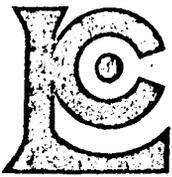
Azora Minerals Ltd.
1318-510 West Hastings Street
Vancouver, B.C.
V6B 1L8

STATEMENT

PROVIDING PLAN OF MAGNETOMETER SURVEY DATA AND PLAN OF GEOCHEMICAL SURVEY DATA.....	\$250.00
GEOCHEMICAL ANALYSIS (Chemex Labs-invoice no. 39451)	<u>\$1396.50</u>
AMOUNT OF THIS INVOICE.....	<u>\$1646.50</u>

10/20/80

Pa'd Ch # 039
[Signature]



INVOICE

212 BROOKSBANK AVE.
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: 984-0221
AREA CODE: 604
TELEX: 04-352597

CHEMEX LABS LTD.

- ANALYTICAL CHEMISTS
- GEOCHEMISTS
- REGISTERED ASSAYERS

TO: Hi-Tec Resources Management
1510-2004 Fullerton Ave.
North Vancouver, B.C.

CERTIFICATE NO. A8010559

INVOICE NO. 39451

DATE Oct. 14/80

ATTN: V7P 3G8
Malcolm Bell

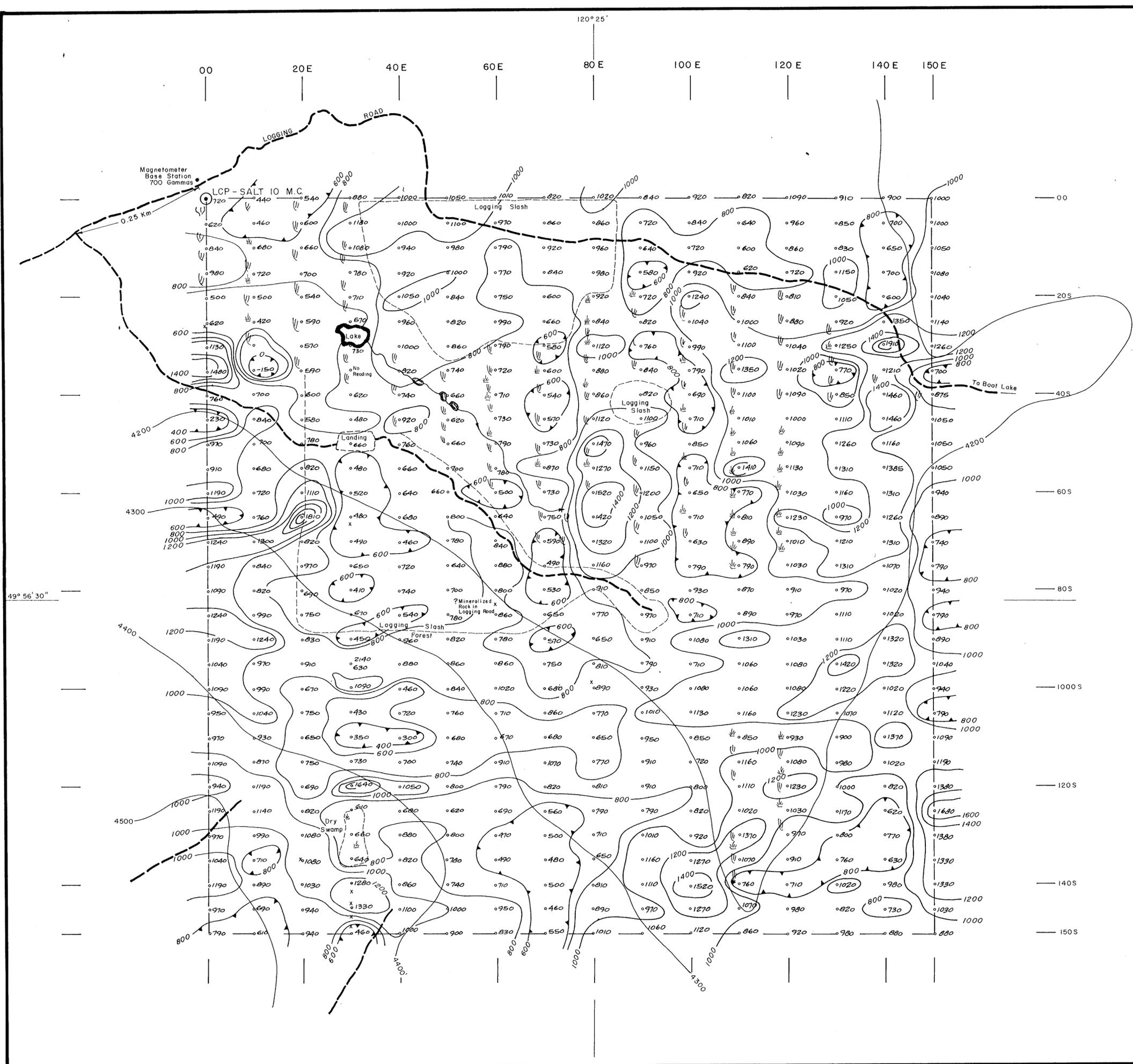
Proj. SALT 10

	DESCRIPTION	SUB-TOTAL	TOTAL
490	Analyzed for Cu & Ag @ \$ 2.35 Prepared @ \$0.50	\$1151.50	\$1396.50
490		245.00	

TERMS—NET 30 DAYS

78-040

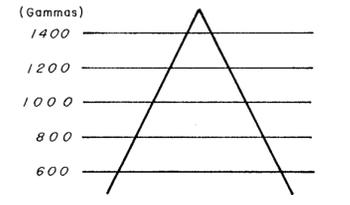
1½% Per Month (18% Per Annum) Charged on Overdue Accounts



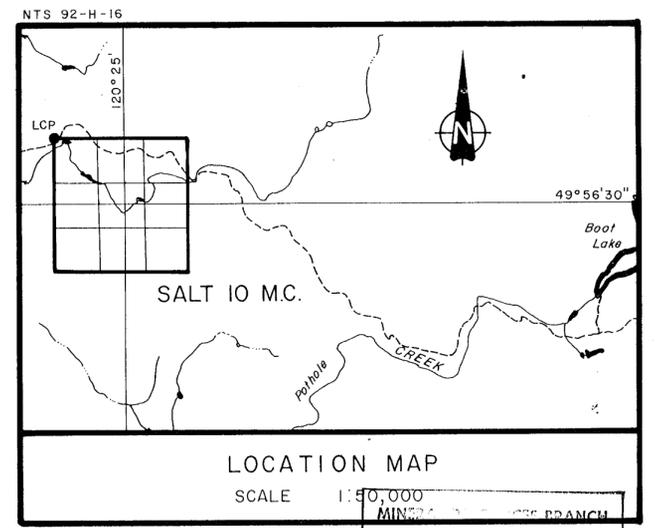
SYMBOLS

- Lake
- Stream
- Swamp
- Willows
- Outcrop
- Grid Station
- Logging road

MAGNETIC KEY



INSTRUMENT: Scintrex MF-1 Fluxgate Magnetometer



LOCATION MAP

SCALE 1:50,000

ACCOMPLISHMENT REPORT

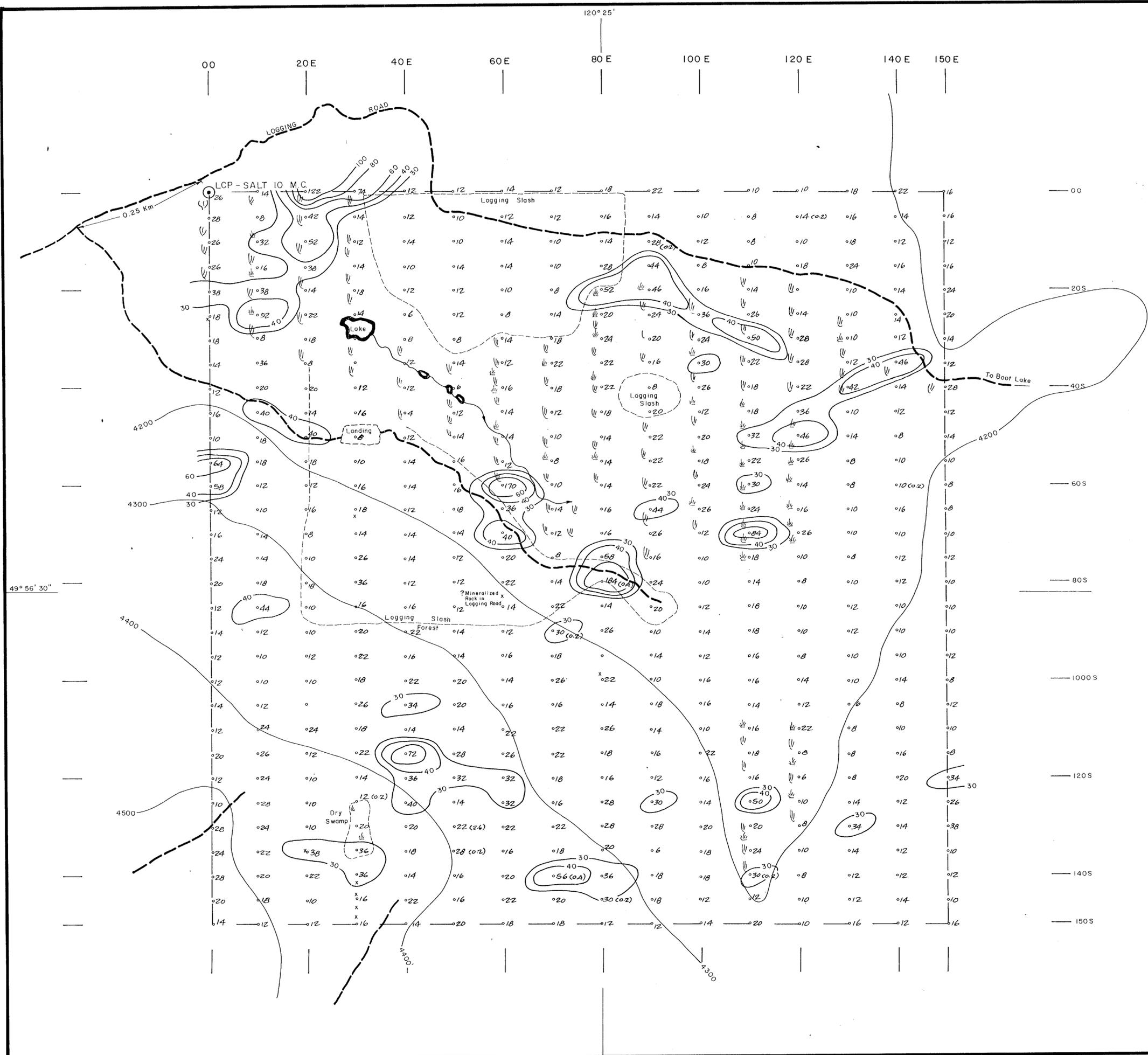
8972

Scale (1:5,000) Metres

AZORA MINERALS LTD.
SALT 10 CLAIM
 NICOLA MINING DIVISION - B.C.

MAGNETOMETER SURVEY

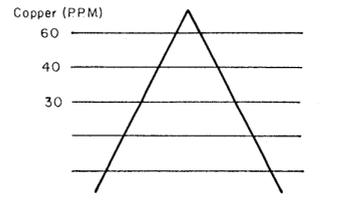
	HI-TEC RESOURCE MANAGEMENT LIMITED	INTERPRETED BY: G.E.W.
	DRAWN BY: r.w.f.	CHECKED BY:
	DATE: OCTOBER 15, 1980	FIGURE N ^o . 2



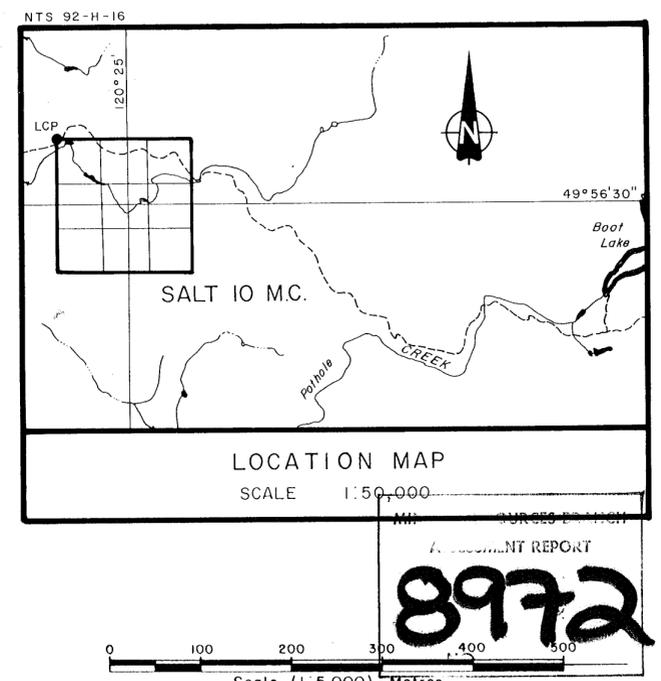
SYMBOLS

- Lake
- Stream
- Swamp
- Willows
- Outcrop
- Grid Station
- Logging road

GEOCHEMICAL KEY



0.30(0.2) Copper value (Silver value (P.P.M.) above 0.1)



AZORA MINERALS LTD.
SALT IO CLAIM
 NICOLA MINING DIVISION - B.C.

GEOCHEMICAL SURVEY
 COPPER IN PPM.

**HI-TEC
RESOURCE
MANAGEMENT
LIMITED**

INTERPRETED BY: G.E.W. ENGINEER

DRAWN BY: r.w.f.

CHECKED BY:

DATE: OCTOBER, 1980

FIGURE N^o. 3