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GEOPHYSICAL REPORT
AMORE MINERALS INCORPORATED

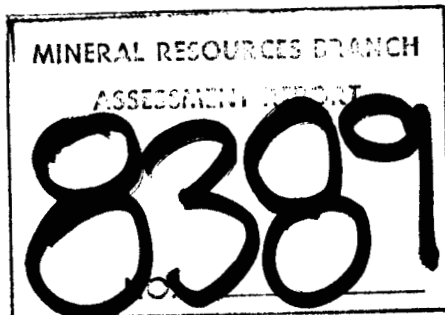
Geo 1, 2 and 3 mineral claims, Vernon Mining
Division, B. C.

Lat. $49^{\circ}47'N$ Long. $118^{\circ}30'W$ N.T.S. 82 E/15

AUTHOR: Glen E. White, B.Sc., P. Eng.

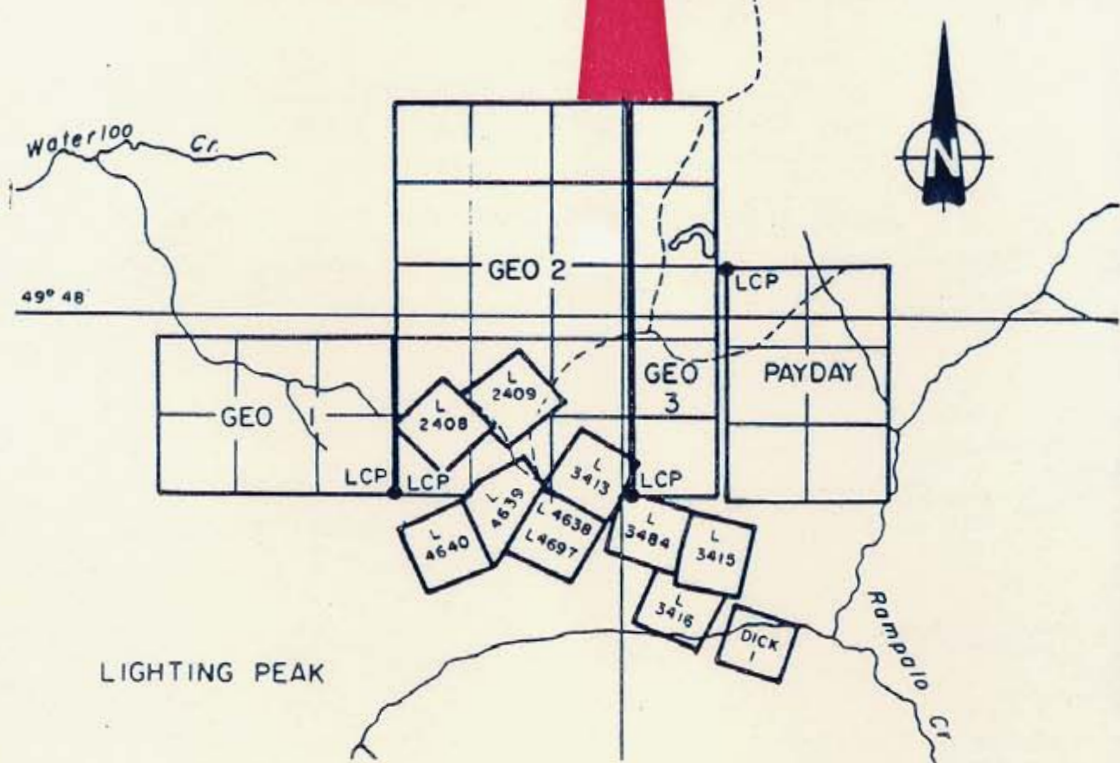
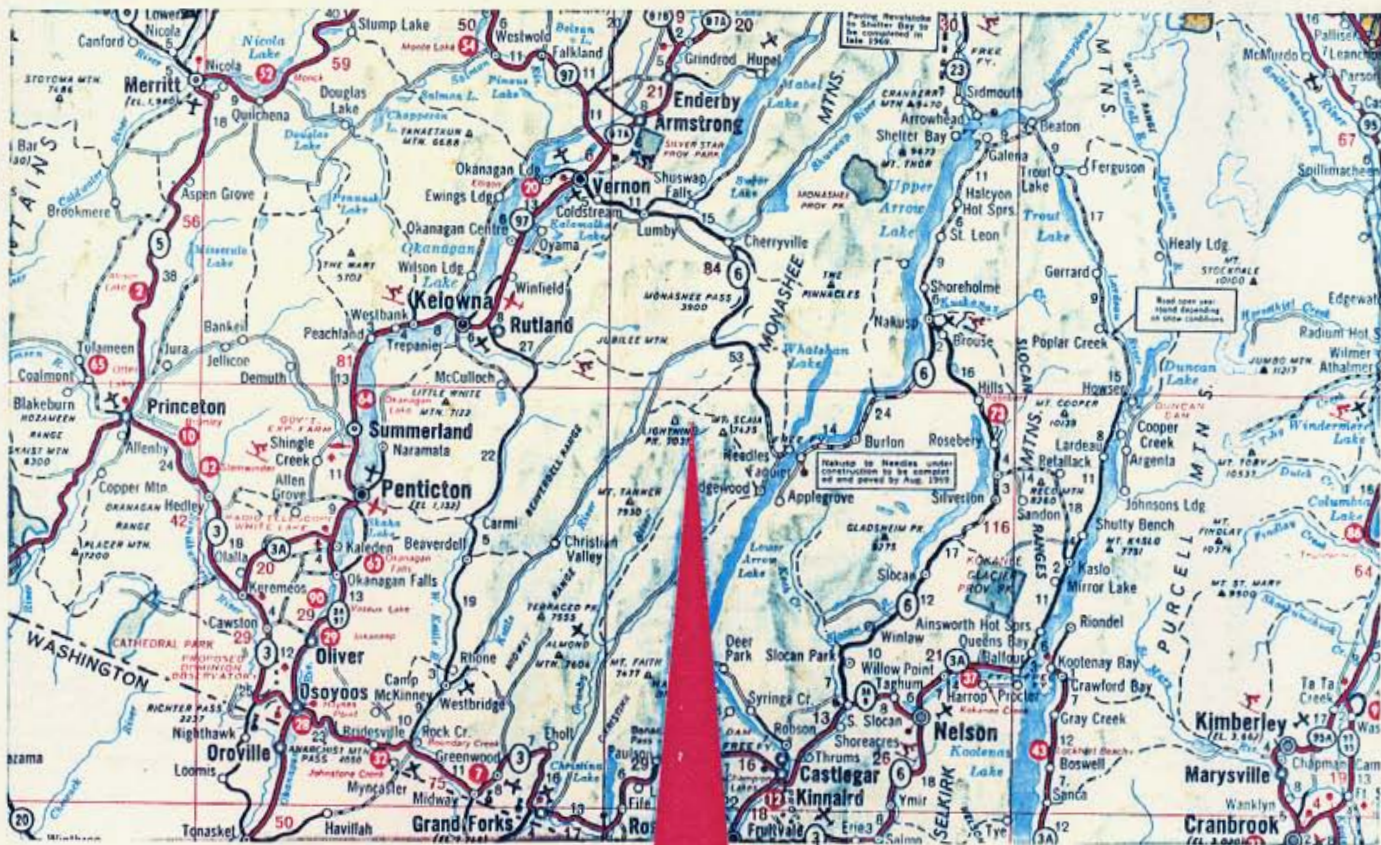
DATE OF WORK: September 2 - 7, 1980

DATE OF REPORT: September 23, 1980



Glen E. White

GEOPHYSICAL CONSULTING & SERVICES LTD.



**AMORE MINERALS INCORPORATED
LOCATION AND CLAIM MAP**

*Glen & White
geographical consulting
&
surveying ltd*

SCALE 1" = 40 MILES

NTS 82-E-15E & 82-E-16W

FIGURE 1

C O N T E N T S

	<u>PAGE</u>
Introduction.....	1
Property.....	1
Location and Access.....	1
General Geology.....	1 - 2
Survey Grid.....	2
Max-Min Electromagnetometer Survey.....	2
Discussion of Results.....	3
Conclusion and Recommendations.....	4
Instrument Specifications.....	5
Statement of Qualifications.....	6
Cost Breakdown.....	7

ILLUSTRATIONS

Figure 1 - Claims and Location Map

Figure 2 - Max-Min II Survey Profiles

INTRODUCTION

The 1980 summer exploration program on the Geo mineral claim group located an interesting silver-lead geochemical anomaly which is coincident with a pattern of NNE-SSW directed VLF electromagnetometer trends.

This report describes some Horizontal Loop Max-Min follow-up surveying conducted during the period September 2 - 7, 1980, to try and define a specific conductor.

PROPERTY

The property consists of the Geo 1, 2 and 3 mineral claims comprising some 26 units as illustrated on Figure 1.

LOCATION AND ACCESS

The mineral claims are located midway between Lightning Peak and Galloping Mountain some 15 miles due west of Needles on the Lower Arrow Lakes. Lstitude $49^{\circ}47'N$, Longitude $118^{\circ}30'W$, N.T.S. 82 E/15, Vernon Mining Division, B. C.

Access to the property is by unimproved bush road from Highway #6 some 23 miles east of Cherryville, a gas station with the last telephone along the road over the Monashee Mountains.

GENERAL GEOLOGY

The area of the mineral claims is shown on Geology Map 6-1957, East Half, Kettle River, B. C., to be underlain by rocks of the Anarachist Group of probable Permian age which have been intruded by the Nelson and Valhalla plutonic rocks.

The Anarchist Group consists variously of greenstone, greywacke, limestone and paragneiss. Both the Nelson and Valhalla intrusions are granitic in nature. Mineralization in the area of the Geo claims appears to be contact metasomatic or "skarn" type deposits containing magnetite, pyrite, pyrrhotite, sphalerite, chalcopyrite and argentiferous galena with a trace of gold.

SURVEY GRID

The survey grid lines are orientated in an east-west direction every 120 m apart. They are controlled by a central north-south baseline and are numbered at 30 m intervals. 5.5 km of Max-Min II surveying was conducted.

MAX- MIN ELECTROMAGNETOMETER SURVEY

The Max-Min horizontal loop system was used for this survey. The system was used in the Max mode where the transmitter coil plane and receiver coil plane are horizontal. In-phase and quadrature voltage measurements are induced in the receiver relative to like quantities induced in a reference coil. The reference voltage and the receiver voltage are compared in a bridge or ratiometer circuit and the output is calibrated to read in percent of normal field. Thus, a zero reading indicates no conductors present.

DISCUSSION OF RESULTS

The Max-Min data is illustrated on Figure 2 as profiles of the in-phase and quadrature responses. A separation of 50 m was used to try and detect any narrow conductors near surface. A frequency of 3555 H_Z was used. Detailing was conducted on line 960S with lower frequencies of 1777 H_Z, 888 H_Z and a separation of 100 m. The data is plotted at a scale of 1 cm = 5% which tends to amplify minor tilt and separation inconsistencies. These are also exaggerated by using the higher frequency of 3555 H_Z. However, the anticipated conductors are poorly connected lenses of argentiferous galena. The interpreted conductor trends are illustrated on Figure 2. A relatively symmetrical response was detected on line 720S between 210 and 240E. This anomaly parallels the previously recorded VLF-EM trends but is just to the east of one of the VLF-EM conductors. It is also just to the west of the interesting lead and silver geochemical anomaly. Detailing of this trend on line 960S failed to give stronger responses at lower frequencies or a wider separation. This is typical of narrow low conductivity zones. Two other conductor trends were crossed by the detail work on line 960S. Both were weakly detected by the larger 100 m separation. The western conductor of these two appears to be narrow and dip towards the west. The eastern one appears to give its best response on line 480S.

Thus, correlation of the geochemical and geophysical data shows a low conductivity Max-Min horizontal loop conductor closely flanked by lead, silver and weak zinc geochemical values. This data would suggest the presence of argentiferous galena - sphalerite mineralization at a depth of no greater than 25 m.

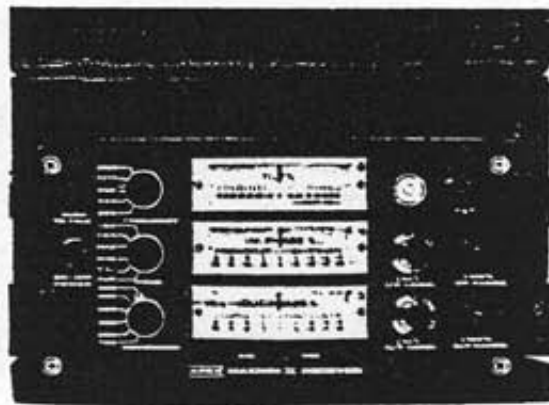
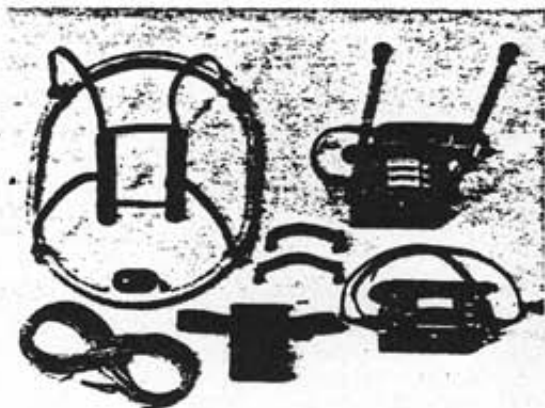
CONCLUSION AND RECOMMENDATIONS

During the summer of 1980, a program of geochemical soil sampling detected an interesting lead and silver geochemical soil anomaly associated with a series of NNE - SSW trending VLF-EM conductors. The area of the geochemical anomaly was detailed utilizing a horizontal loop Max-Min system which located a low conductivity anomaly at a depth of some 25 m, which appears to be associated with the geochemical responses. It is recommended that this target be tested by diamond drilling. A preliminary test hole should be set up on line 720S at 255E and drilled westward at an angle of -50° for a length of 60 m.

Respectfully submitted,
GLEN E. WHITE GEOPHYSICAL
CONSULTING & SERVICES LTD.



Glen E. White, P. Eng.
Consulting Geophysicist



SPECIFICATIONS :

Frequencies:	222, 444, 888, 1777 and 3555 Hz.	Repeatability:	$\pm 0.25\%$ to $\pm 1\%$ normally, depending on conditions, frequencies and coil separation used.
Modes of Operation:	<p>MAX: Transmitter coil plane and receiver coil plane horizontal (Max-coupled; Horizontal-loop mode). Used with reference cable.</p> <p>MIN: Transmitter coil plane horizontal and receiver coil plane vertical (Min-coupled mode). Used with reference cable.</p> <p>V.L.: Transmitter coil plane vertical and receiver coil plane horizontal (Vertical-loop mode). Used without reference cable, in parallel lines.</p>	Transmitter Output:	<ul style="list-style-type: none"> - 222 Hz : 220 Acm² - 444 Hz : 200 Acm² - 888 Hz : 120 Acm² - 1777 Hz : 60 Acm² - 3555 Hz : 30 Acm²
Coil Separations:	25, 50, 100, 150, 200 & 250m (MM) or 100, 200, 300, 400, 600 and 800 ft. (MMIFP). Coil separations in V.L. mode not restricted to fixed values.	Receiver Batteries:	9V trans. radio type batteries (4). Life: approx. 35hrs. continuous duty (alkaline, 0.5 Ah), less in cold weather.
Parameters Read:	<ul style="list-style-type: none"> - In-Phase and Quadrature components of the secondary field in MAX and MIN modes. - Tilt-angle of the total field in V.L. mode. 	Transmitter Batteries:	12V 8Ah Gel-type rechargeable battery. (Charger supplied).
Readouts:	<ul style="list-style-type: none"> - Automatic, direct readout on 90mm (3.5") edgewise meters in MAX and MIN modes. No nulling or compensation necessary. - Tilt angle and null in 90mm edgewise meters in V.L. mode. 	Reference Cable:	Light weight 2-conductor teflon cable for minimum friction. Unshielded. All reference cables optional at extra cost. Please specify.
Scale Ranges:	<p>In-Phase: $\pm 20\%$, $\pm 100\%$ by push-button switch.</p> <p>Quadrature: $\pm 20\%$, $\pm 100\%$ by push-button switch.</p> <p>Tilt: $\pm 75\%$ slope.</p> <p>Null (V.L.): Sensitivity adjustable by separation switch.</p>	Voice Link:	Built-in intercom system for voice communication between receiver and transmitter operators in MAX and MIN modes, via reference cable.
Readability:	In-Phase and Quadrature: 0.25% to 0.5% ; Tilt: 1%.	Indicator Lights:	Built-in signal and reference warning lights to indicate erroneous readings.
		Temperature Range:	-40°C to $+80^{\circ}\text{C}$ (-40°F to $+140^{\circ}\text{F}$).
		Receiver Weight:	8kg (13 lbs.)
		Transmitter Weight:	13kg (29 lbs.)
		Shipping Weight:	Typically 80kg (135 lbs.), depending on quantities of reference cable and batteries included. Shipped in two field/shipping cases.

Specifications subject to change without notification.

APEX PARAMETRICS LIMITED

200 STEELCASE RD. E., MARKHAM, ONT., CANADA, L3R 1G2

Phone: (416) 495-1812

Cables: APEXPARA TORONTO

NOTE OUR NEW TELEPHONE NUMBER:
Tel: 666-7341 (TORONTO)

06-966775 APEXPARA MKHM

Glen E. White

GEOPHYSICAL CONSULTING & SERVICES LTD.

STATEMENT OF QUALIFICATIONS

NAME: WHITE, Glen E., P. Eng.

PROFESSION: Geophysicist

EDUCATION: B.Sc. Geophysics - Geology
University of British Columbia

PROFESSIONAL ASSOCIATIONS: Registered Professional Engineer,
Province of British Columbia

Associate member of Society of Exploration Geophysicists.

Past President of B. C. Society of Mining Geophysicists.

EXPERIENCE: Pre-Graduate experience in Geology - Geochemistry -
Geophysics with Anaconda American Brass.

Two years Mining Geophysicist with Sulmac Exploration Ltd. and Airborne Geophysics with Spartan Air Services Ltd.

One year Mining Geophysicist and Technical Sales Manager in the Pacific north-west for W. P. McGill and Associates.

Two years Mining Geophysicist and supervisor Airborne and Ground Geophysical Divisions with Geo-X Surveys Ltd.

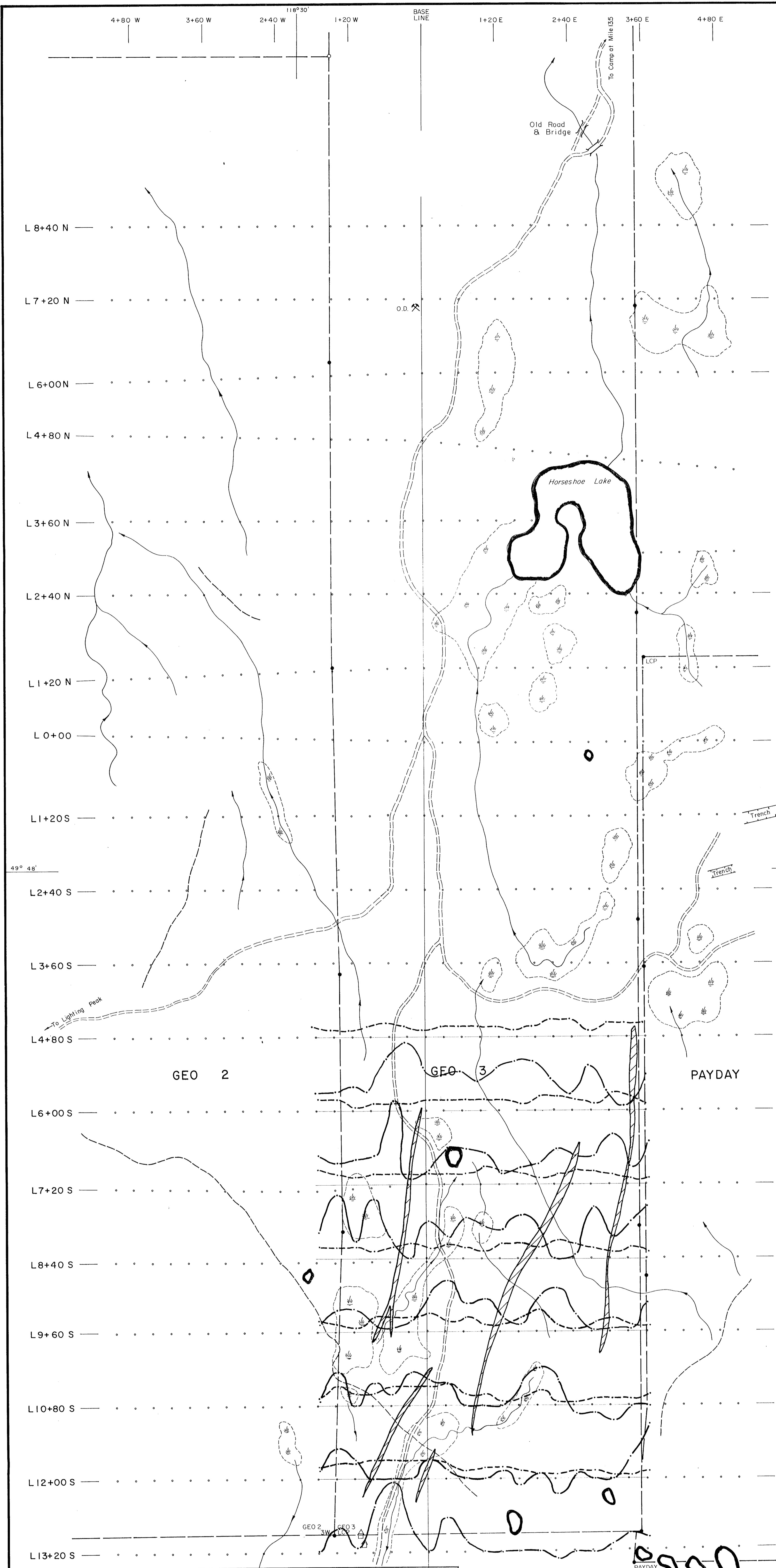
Two years Chief Geophysicist Tri-Con Exploration Surveys Ltd.

Ten years Consulting Geophysicist.

Active experience in all Geologic provinces of Canada.

COST BREAKDOWN

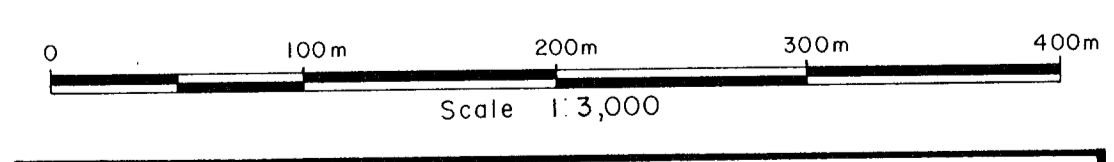
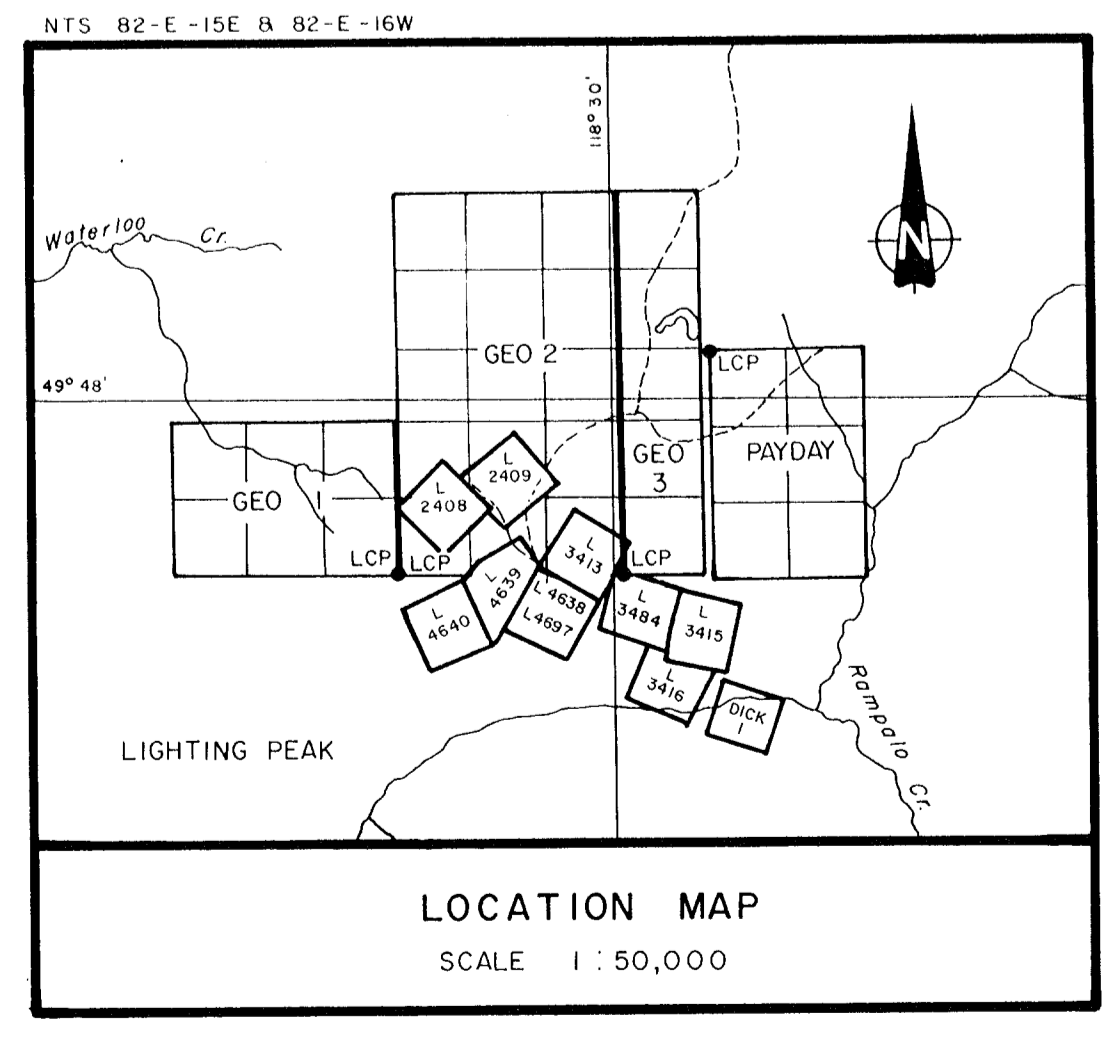
<u>Personnel</u>	<u>Date</u>	<u>Wages</u>	<u>Total</u>
J. Miller.....	Sept. 3-7/80.....	\$175/day.....	\$875.00
I. Clark.....	"....."	\$125/day.....	625.00
Meals and accomodations.....			350.00
Instrument Lease.....			425.00
Vehicle 4x4.....			450.00
Interpretation and Reports.....			675.00
Total.....			<u>\$3400.00</u>



- SYMBOLS**
- Lake, pond
 - Stream
 - Swamp, (Wet ground & grass)
 - Claim post
 - Claim line
 - 4WD road
 - Trail
 - Old diggings and/or Old mine site
 - Old cabin site
 - Stations
 - Inphase
 - Quadrature



MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
8389



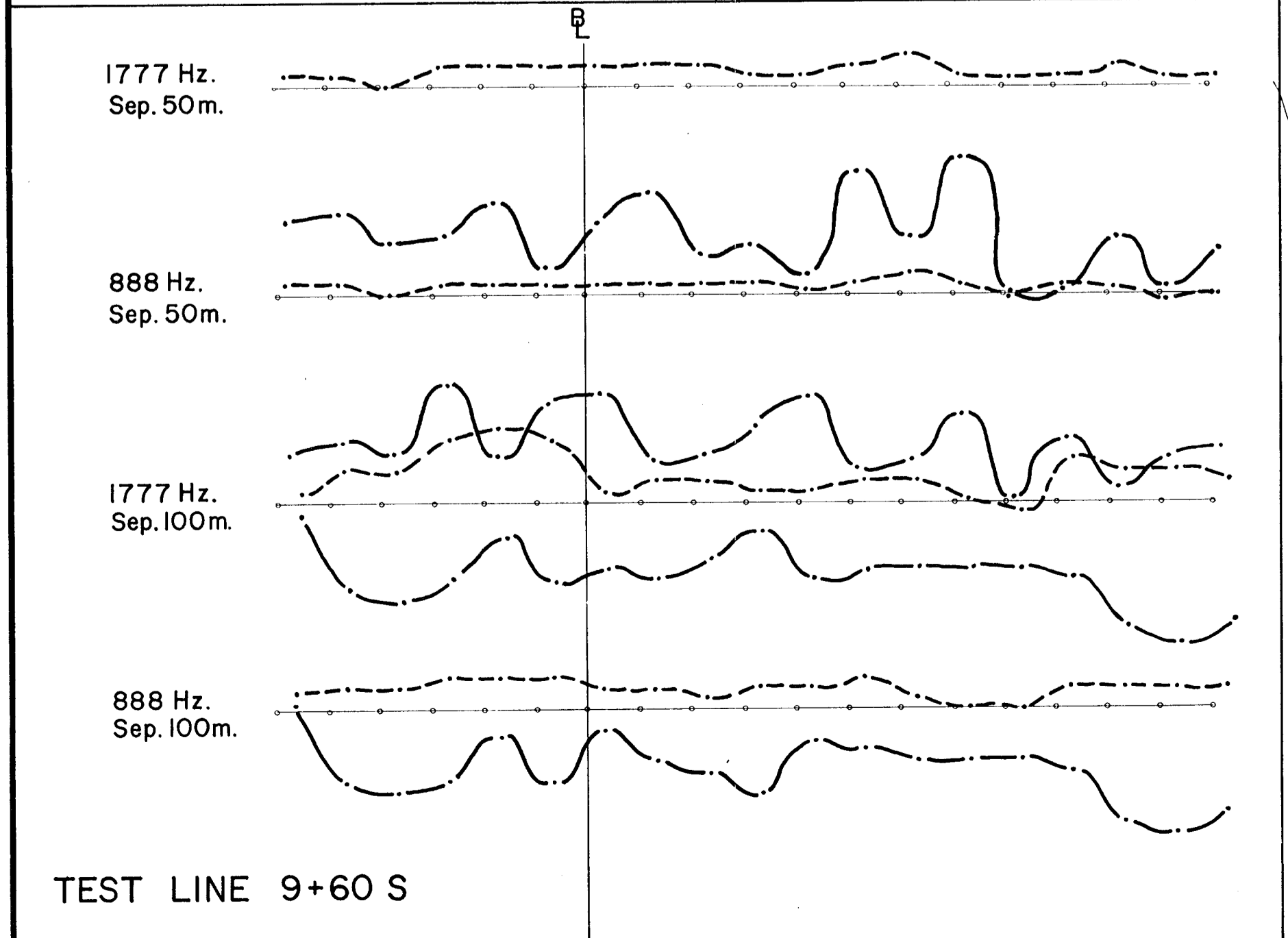
AMORE MINERALS INCORPORATED
GEO CLAIMS
VERNON MINING DIVISION B.C.

APEX PARAMETRICS
MAX-MIN II SURVEY

SEPARATION: 50m FREQUENCY: 3555 Hz.

Glen E. White
geophysical consulting & services Ltd.

INTERPRETED BY: G.E.W.
DRAWN BY: r.w.r.
CHECKED BY:
DATE: AUGUST, 1980
FIG. No.: 2



To Accompany Geophysical THE GEO CLAIMS
Date _____
By GLEN E. White - B.Sc. Geophysicist

PROFESSIONAL
GLEN E. WHITE
ENGINEER