

83-#86-11087

REGULUS RESOURCES INC. 3
GEOPHYSICAL REPORT
ON AN
AIRBORNE VLF-ELECTROMAGNETOMETER AND
MAGNETOMETER SURVEY

Lake Adit Claim, Lillooet Mining Division

Latitude 50°17'N Longitude 122°37'N
N.T.S. 92 J/7E

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Geophysicist

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Consulting Geophysicist

DATE OF WORK: September 15, 1982

DATE OF REPORT: October 6, 1982

GEOLOGICAL BRANCH
ASSESSMENT REPORT

11,087



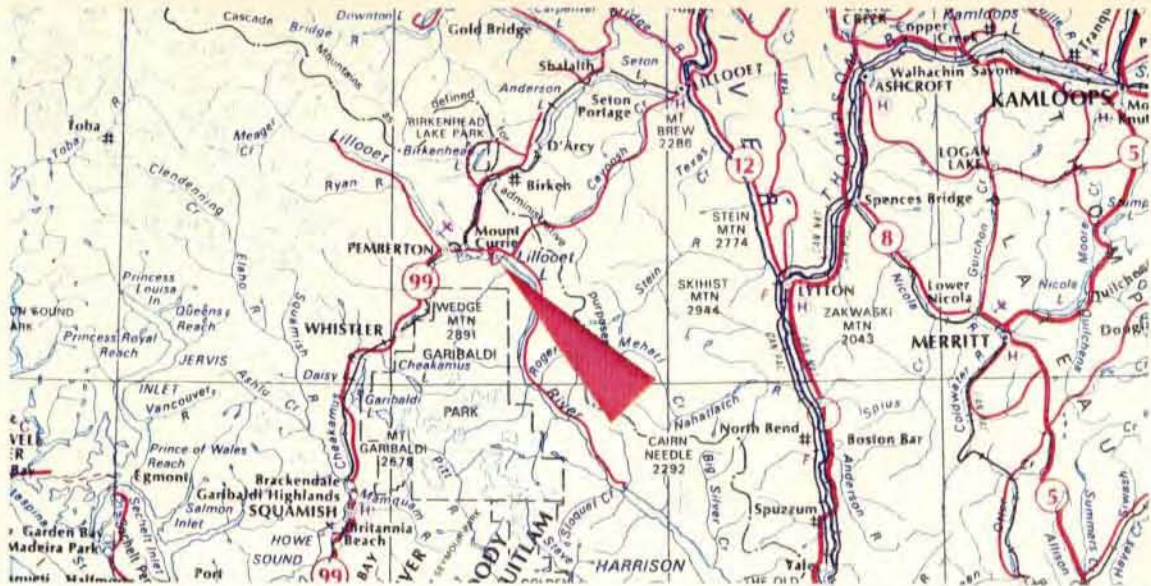
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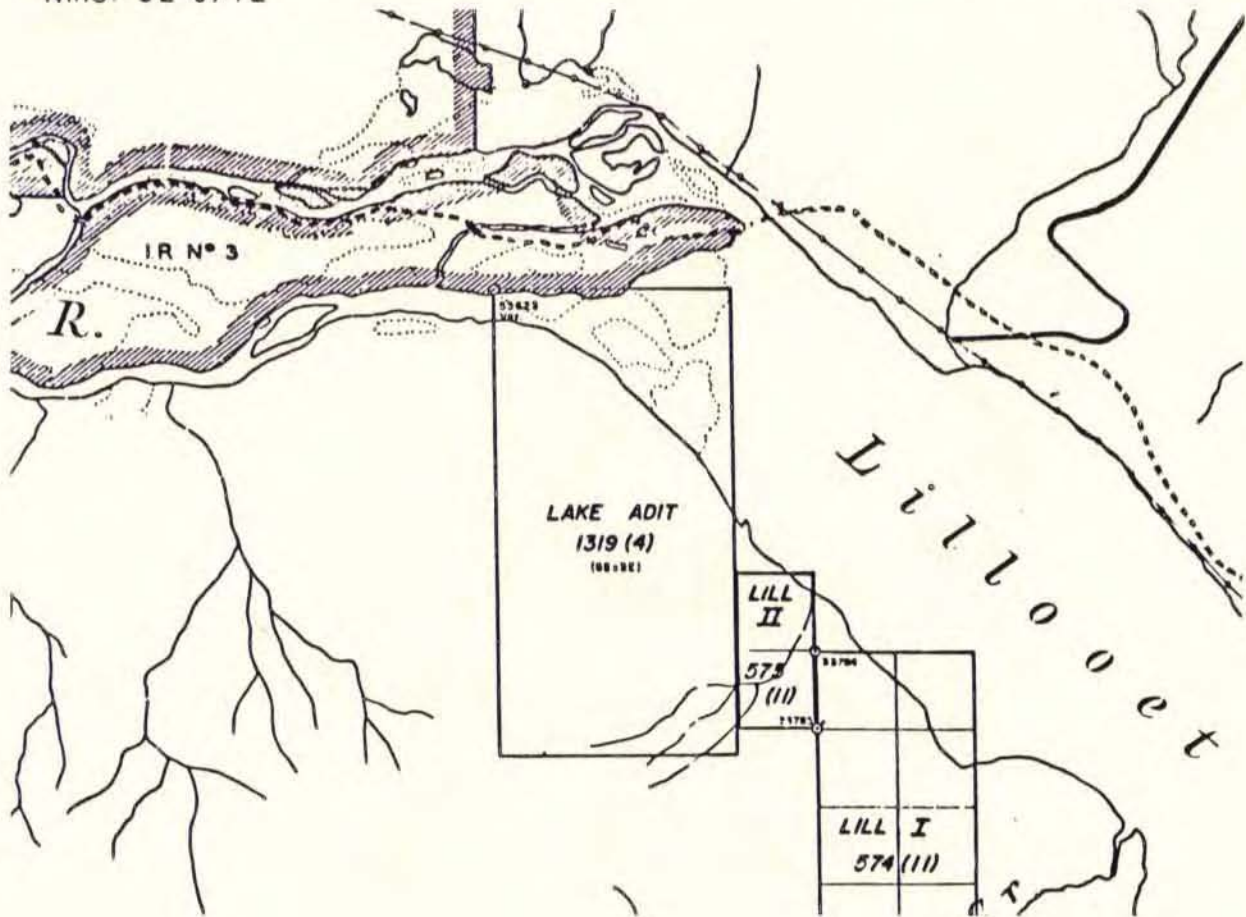
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N.T.S. 92 J/7E



REGULUS RESOURCES INC.
LAKE ADIT PROPERTY
LOCATION AND CLAIM MAP



INTRODUCTION

On September 15, 1982, Western Geophysical Aero Data Ltd. flew approximately 37 km of magnetometer and VLF-electromagnetometer survey across the Lake Adit claim on behalf of Regulus Resources Inc. Massive sulphide-magnetite mineralization has been observed in the area and it was the intention of this survey to magnetically map any continuations of known mineralization and detect any new anomalies to direct continued exploration on the claim.

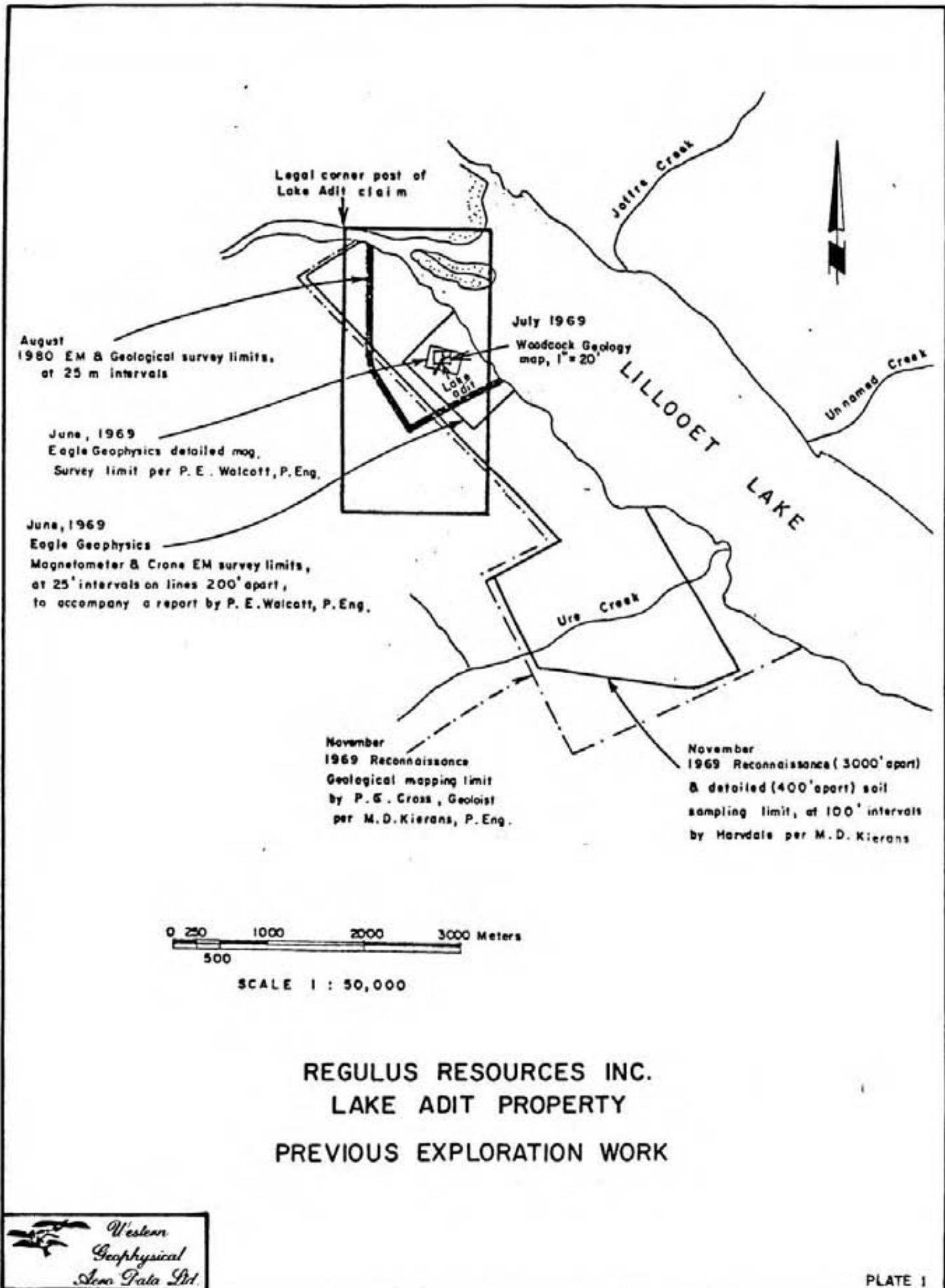
PROPERTY

The property surveyed consists of the Lake Adit Claim, record number 1319, which contains 18 units as illustrated on Figure 1 of this report.

LOCATION AND ACCESS

The Lake Adit Claim is located approximately 14.5 km east of Pemberton, B. C., in the Lillooet Mining Division and N.T.S. 92 J/7E. Approximate geographical co-ordinates are Latitude $50^{\circ}17'N$, Longitude $122^{\circ}37'W$.

The property can be reached by normal motor vehicle transportation by following an 8 km paved road from Pemberton to Mount Currie Village and a further 6.5 km stretch of gravel road to Lillooet Lake. Although the legal corner post of the claim is located on the north shore of the Lillooet River, the major portion of the claim is on the southwest side of Lillooet Lake. The area of previous exploration is accessible by boat from the access road.



Legal corner post of Lake Adit claim

August 1980 EM & Geological survey limits, at 25 m intervals

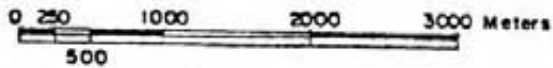
July 1969 Woodcock Geology map, 1" = 20'

June, 1969 Eagle Geophysics detailed mag. Survey limit per P. E. Walcott, P. Eng.

June, 1969 Eagle Geophysics Magnetometer & Crone EM survey limits, at 25' intervals on lines 200' apart, to accompany a report by P. E. Walcott, P. Eng.

November 1969 Reconnaissance Geological mapping limit by P. E. Cross, Geoloist per M. D. Kierans, P. Eng.

November 1969 Reconnaissance (3000' apart) & detailed (400' apart) soil sampling limit, at 100' intervals by Harvdale per M. D. Kierans



SCALE 1 : 50,000

REGULUS RESOURCES INC.
LAKE ADIT PROPERTY
PREVIOUS EXPLORATION WORK



LOCAL GEOLOGY

The Lillooet Lake area occupies the southwestern flank of a broad northwest trending antiform of the Coast Crystalline Belt. A 1977 G.S.C. Map compiled by G. J. Woodsworth shows the Lake Adit area to be underlain by the pendant Cadwaller Group of Upper Triassic age and surrounded by Quartz-diorite - diorite rocks of unknown age. The Cadwaller Group (undivided) in the area covered by this report, consists of mainly greenstone, tuff and flows of andesite, rhyolitic tuff and flows and a minor lenticular limestone bed. The rock contacts, foliations, joints, fractures and shearings observed in the area of previous exploration present a northwest trend, conforming to the regional trends.

For a more detailed description of the geological setting and the mineralization observed in the area, the reader is referred to a report by H. Kim, P. Geol. dated October 6, 1980.

PREVIOUS WORK

The date of the earliest exploration activities in the Lake Adit area cannot be set with accuracy, but they were apparently later than the early 1900's. Based on the reports by Cairnes (1924) and Kierans (1970), previous work on the property is summarized in chronological order below. In addition, areal limits of the 1969 Cerro Mining's field program performed by various consulting firms under D. Kierans direction and that of the 1980 program is presented as Plate 1.

1915

Discovery of Boulder Creek properties including the showings on the Lake Adit claim covered by this report.

1915 - 1923(?)

Driving two adits, one on the Lake (230') and the other on the Eagle showing (20'), preceded or succeeded by stripping and open cutting of several showings between the two adits and at other locations. The other locations include Boulder (Ure) Creek and the Apex mineral claim group adjoining the Boulder group on the southeast.

1924

Geologic mapping of a zone of mineralization $3\frac{1}{2}$ miles or more long and up to 600' in width in the area of Lake Adit, Boulder Creek and the further south claim groups by C. E. Cairnes of G.S.C. Cairnes' report includes comprehensive descriptions as to mode and occurrence of the Lake Adit, Eagle showings and others. Cairnes also quotes Dr. Uglow's four samples obtained from the Boulder Creek area:

<u>Sample No.</u>	<u>Width Sampled</u> (feet)	<u>Copper</u> %	<u>Silver</u> oz/ton	<u>Gold</u>
1	15	1.5	0.68	Trace
2	20	0.45	0.22	Trace
3	20	0.10	0.52	Trace
4	30	0.30	0.54	\$1.40/ton (1924)

Cairnes' conclusion:

"The bulk of ore minerals on these properties is, undoubtedly, very great. Unfortunately, the grade, except locally, is extremely low, although, in respect to the copper values at least, better returns may be obtained below the zone of oxidation."

1929

Diamond drilling of three holes near and under the Lake and Eagle showings by Howe Sound company. The results are reportedly negative (Kierans 1970).

Late 1950's

Diamond drilling of one short hole probably immediately above the Lake Adit. Location and inclination of the hole cannot be established with certainty by the writer. A few boxes containing some EQ size drill cores still remain in the Lake Adit.

1969

Initiation of an extensive exploration program by M. D. Kierans for Cerro Mining Company of Canada Limited (Plate 1). The program included:

1. Reconnaissance geological mapping in the line grid area of AX-Zip mineral claim group by P. G. Cross. AX-Zip includes the Lake Adit, Eagle and Boulder Creek showings, but excludes the southwestern half of the Lake Adit claim area.
2. Detailed geological mapping confined to the vicinity of Eagle showings by J. R. Woodcock. The area of detail mapping covers about 0.02% of the total Lake Adit claim area.

3. Ground magnetic and electromagnetic surveys, 25' intervals on lines 200' apart, by Eagle Geophysics per P. E. Walcott & Associates. The survey covers roughly the central one-sixth of the property. The detailed magnetic survey was concentrated on the Eagle showings at 10' intervals on four lines 50' apart.

4a. Reconnaissance soil sampling, 100' intervals on three lines 3000' apart in Boulder Creek by Harvdale with Kierans' supervision.

4b. Detail soil sampling, 100' intervals on six lines. 400' apart in the northeastern half of the Lake Adit claim. In all, about 600 samples were obtained from the B₂ horizons for Cu and Zn.

5. Mapping and sampling in the vicinity of the Lake and Eagle showings by M. D. Kierans. About 5,000 tons of ore at 1.00% Cu and 3.00% Zn estimated.

1970

Issuance of Mineral Exploration Report, Geological Geophysical & Geochemical Surveys on AX-Zip claims group by M. D. Kierans.

1980

1. VLF-EM survey and outcrop mapping across the major showings on the property.

2. Issuance of a report on the Geological, Geophysical and Geochemical Exploration of the Lake Adit Claim by H. Kim, P. Geol. on October 6, 1980.

AIRBORNE VLF-ELECTROMAGNETIC AND MAGNETIC SURVEY

This survey system simultaneously monitors and records the output signal from a proton precession magnetometer and two VLF-EM receivers installed in a bird designed to be towed 100 feet below a helicopter. A gimbal and shock mounted TV camera, fixed to the helicopter skid, provides input signal to a video cassette recorder allowing for accurate flight path recovery by correlation between the flight path cassette and air photographs of the survey area. A KING KRA-10A radar altimeter allows the pilot to continually monitor and control terrain clearance along any flight path.

Continuous measurements of the earth's total magnetic field intensity and of the total horizontal VLF-EM field strength of two transmission frequencies are stored in three independent modes: an analogue strip chart recorder, digital magnetic tapes and a digital video recovery system. A three-pen analogue power recorder provides direct, unfiltered recordings of the three geophysical instrument output signals. A Hewlett-Packard 9875 tape drive system digitally records all information as it is processed through an on-board micro-computer. The magnetic and electromagnetic data is also processed through the onboard micro-computer, incorporating an analogue to digital converter and a character generator, then superimposed along with the date, real time and terrain clearance upon the actual flight path video recording to allow exact correlation between geophysical data and ground location. The continuous input magnetic signal is processed at the maximum A/D converter rate, averaged and updated on the video display every second. Correlation between the strip chart, digital tape and the video flight path recovery tape is controlled via fiducial marks common to all systems. Line identification, flight direction and pertinent survey information are recorded on the audio track of the video recording tape.

SURVEY GRID

A survey grid comprised of east-west lines spaced at 200 metre intervals was laid across a photomosaic base of the Lake Adit claim area and used as a guide for flight navigation. The actual location of the survey lines as determined from the video flight path recovery system is delineated on Figures 2 and 3 of this report.

DISCUSSION OF RESULTS

Seventeen lines totalling approximately 37 kilometers, excluding turnaround, were required to cover the claim area. The instruments were installed in a Hughes 500D helicopter chartered from Pemberton Helicopters and the sensing coils mounted in an aerodynamically designed "bird" suspended 100 feet below the helicopter.

I Magnetometer Survey

The main purpose of this survey was to locate and delineate high magnetic intensity anomalies in an area where sulphide mineralization is known to be associated with magnetite. During the course of the survey, diurnal and atmospheric magnetic variations were monitored with a GSM-8 proton precession magnetometer and an MR-10 base recorder. Appropriate corrections were applied to the field data prior to presenting the data in contour form as Figure 2.

The total field magnetic intensity measurements varied from a low of 57,024 gammas to 58,444 gammas across the survey area. On the basis of similar amplitudes and spatial frequency, the magnetic highs observed can be correlated line to line to define definite magnetic trends. The trends interpreted in this manner are presented on the Geophysical Interpretation Map, Figure 3. Three right lateral faults which strike very nearly east-west are interpreted within the claim area to explain abrupt trend displacements observed. It should be noted that due to the heavy forest cover across most of the survey area, flight path recovery was very difficult and the location of the trends as drawn on Figure 3 should be considered approximate.

Magnetic trend #3 on line 17A (Figure 4) is the response observed across the known mineralization in the Lake Adit. The anomaly is relatively weak (approximately 100 gammas above local background) and disappears by line 20. Indications of the same trend are detected to the immediate southeast of the claim boundary on lines 23 and 24 as shown on Figure 3.

Seven hundred metres northwest of trend #3, a much stronger anomaly is observed (line 14 - Figure 6). The response is the southern end of magnetic trend #6 which strikes north-northwest. Trend #6 is displaced approximately 200 metres to the east near the mouth of the Lillooet River. The fault interpreted at this location may also be responsible for the presence and or the orientation of the Lillooet River in this area.

Based on the magnetic responses, the southwest quarter of the Lake Adit claim is an area of dramatic structural deformation. Two trends labelled #5 and #4 (line 24 - Figure 7) are identified in this area. Two right lateral faults are interpreted in this area to explain trend displacements of 300 metres between lines 22 and 21 and 650 metres between lines 20 and 19.

The strongest magnetic anomalies observed were associated with magnetic trend #1 which is located immediately east of the Lake Adit claim as illustrated on Figure 3. The strongest response along this trend is located on Line 17A (Figure 4) across the small islands at the foot of the Lillooet River delta train. A minor displacement and strike change in this area mirrors the attitude of magnetic trend #3 in the area of the Lake Adit mineralization. The magnetic field intensity is very low to the east of trend #1 indicating the response may be associated with a lithologic change.

Magnetic trend #2 lies along the eastern claim boundary. The response is localized to lines 14 (Figure 6) and 13 and occurs in the mouth of the Lillooet River.

The magnetic trend located in the northwest corner of the survey area (Figure 3) is labelled as magnetic trend #4 based on the similarity of the anomalies observed on lines 24 (Figure 7) and 17A (Figure 4). This trend lies immediately west of the western claim boundary and is open to the northwest.

II VLF-EM Survey

Due to the relationship between VLF-EM signals and topography, interpreting VLF-EM responses in steep terrain such as observed across the Lake Adit claim poses certain restrictions. Background total field intensity will vary with the terrain and conductive features therefore be reflected as increases in field intensity above the local background.

No airborne VLF-EM responses were observed in the area of the Lake Adit workings on line 17A (Figure 4). However, there were significant anomalies observed on both the Seattle and Annapolis frequencies to the south on line 17 (Figure 8).

The only other area exhibiting any significant VLF-EM response is along the western ends of lines 22, 23 and 24. The strongest of these is on line 24 (Figure 7) where a 20% field strength increase is observed on the Seattle frequency. This anomaly is possibly associated with magnetic trend #5.

SUMMARY AND RECOMMENDATIONS

Approximately 37 kilometres of airborne magnetometer and VLF-electromagnetometer survey was flown across the Lake Adit claim on behalf of Regulus Resources Inc. on September 15, 1982. The survey was flown with the intention of mapping the magnetic trends to guide further exploration on the claim.

Several magnetic anomalies were detected from this survey which warrant ground investigation. Followup procedures should first involve the use of a magnetometer to precisely locate the airborne anomalies. Subsequent procedures will be dependent upon the local terrain and amount of mappable outcrop in each area.

First priority for ground followup should be the area immediately south of the Lake Adit ore deposit, where the associated magnetic anomaly exhibits increased intensity. A couple of localized high conductivity zones are also noted in this area.

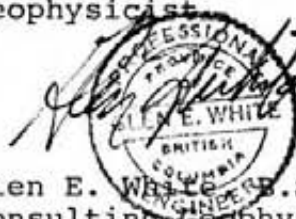
Second priority for ground exploration should be the extreme southwest portion of the claim where a high magnetic trend is associated with VLF-EM anomalies.

The remaining high magnetic trends within the Lake Adit claim are not associated with any significant VLF-EM responses but still warrant ground investigation. Examination of the magnetic anomalies outside the claim boundary should consist of prospecting and surface geological mapping. Based on these results, appropriate areas should be staked.

Respectfully submitted,



E. Trent Pezzot, B.Sc.
Geophysicist



Glen E. White, B.Sc., P. Eng.
Consulting Geophysicist



INSTRUMENT SPECIFICATIONSBARRINGER AIRBORNE MAGNETOMETER

MODEL: Nimbin M-123
TYPE: Proton Precession
RANGE: 20,000 to 100,000 gammas
ACCURACY: ± 1 gamma at 24 V d.c.
SENSITIVITY: 1 gamma throughout range
CYCLE RATES:
 Continuous 0.6, 0.8, 1.2 and 1.9 seconds
 Automatic 2 seconds to 99 minutes in 1 second steps
 Manual Pushbutton single cycling at 1.9 seconds
 External Actuated by a 2.5 to 12 volt pulse longer than 1 millisecond.

OUTPUTS:
 Analogue 0 to 99 gammas or 0 to 990 gammas
 - automatic stepping
 Visual 5 digit numeric display directly in gammas

EXTERNAL OUTPUTS:
 Analogue 2 channels, 0 to 99 gammas or 0 to 990 gammas at 1 m.a. or 1 volt full scale deflection.
 Digital BCD 1, 2, 4, 8 code, TTL compatible.

SIZE: Instrument set in console
 30 cm X 10 cm X 25 cm

WEIGHT: 3.5 Kg

POWER REQUIREMENTS: 12 to 30 volts dc, 60 to 200 milliamps maximum.

DETECTOR: Noise cancelling torroidal coil installed in airfoil.

Instrument SpecificationsSABRE AIRBORNE VLF SYSTEM

- Source of Primary Field: VLF radio stations in the frequency range of 14 KH_z to 30 KH_z .
- Type of Measurement: - Horizontal field strength
- Number of Channels: - Two; Seattle, Washington at 18.6 KH_z
- Annapolis, Maryland at 21.4 KH_z
- Type of Sensor: - Two ferrite antennae arrays, one for each channel, mounted in magnetometer bird.
- Output: - 0 - 100 mV displayed on two analogue meters (one for each channel)
- recorder output posts mounted on rear of instrument panel
- Power Supply: - Eight alkaline 'AA' cells in main instrument case (life 100 hours)
- Two 9-volt alkaline transistor batteries in bird (life 300 hours)
- Instrument Console: - Dimensions - 30 cm x 10 cm x 25 cm
- Weight - 3.5 Kg.



INSTRUMENT SPECIFICATIONSFLIGHT PATH RECOVERY SYSTEMi) T.V. Camera

Model: RCA TC2055 Vidicon
Power Supply: 12 volt dc
Lens: variable, selected on basis of expected terrain clearance
Mounting: Gimbal and shock mounted to housing
- housing bolted to helicopter skid

ii) Video Recorder

Model: Sony SLO - 340
Power Supply: 12 volt dc / 120 volt AC (60Hz)
Tape: Betamax $\frac{1}{2}$ " video cassette - optional length
Dimensions: 30 cm X 13 cm X 35 cm
Weight: 8.8 Kg
Audio Input: Microphone in - 60 db low impedance microphone
Video Input: 1.0 volt P-P, 75 Ω unbalanced, sync negative from camera

iii) Altimeter

Model: KING KRA-10A Radar Altimeter
Power Supply: 27.5 volts dc
Output: 0-25 volt (1 volt /1000 feet) dc signal to analogue meter, 0-10 v (4mv/ft) analogue signal to microprocessor
Mounting: fixed to T.V. camera housing, attached to helicopter skid

INSTRUMENT SPECIFICATIONS

DATA RECORDING SYSTEM

i) Chart Recorder

Type: Esterline Angus Miniservo III Bench AC Ammeter -
Voltmeter Power Recorder

Model: MS 413 B

Specification: S-22719, 3-pen servo recorder

Amplifiers: Three independent isolated DC amplifiers
(1 per channel) providing range of acceptable input signals

Chart: 10 cm calibrated width 2-fold chart

Chart Drive: Multispeed stepper motor chart drive,
Type D850, with speeds of 2, 5, 10, 15,
30 and 60 cm/hr. and cm/min.

Controls: Separate front mounted slide switches for
power on-off, chart drive on-off, chart
speed cm/hr - cm/min. Six position chart
speed selector. Individual front zero
controls for each channel.

Power Requirements: 115/230 volts AC at 50/60 Hz
(Approximately 30 VA)

Writing System: Disposable fibre tipped ink cartridge
(variable colors)

Dimensions: 38.6 cm X 16.5 cm X 43.2 cm

Weight: 9.3 Kg

ii) Digital Video Recording System

Type: L.M. Microcontrols Ltd. Microprocessor Control
Data Acquisition System

Model: DADG - 68

Power Requirements: 10-14 volts dc, Maximum 2 amps

Input Signal: 3, 0-100 mvolt dc signals
1, 0-25 volt dc signal

Microprocessor: Motorola MC-6800

CRT Controller: Motorola MC-6845

Character Generator: Motorola MCM-6670

Analogue/Digital Converter: Intersil 7109

Multiplexer: Intersil IH 6208

Digital Clock: National MM 5318 chip
9 volt internal rechargeable nickle-
cadmium battery

Fiducial Generator: Internally variable time set controls
relay contact and audio output

Dimensions: 30 cm X 30 cm X 13 cm

Weight: 3 Kg



DATA RECORDING SYSTEM (CON'T)iii) Digital Magnetic Tape

Type: Hewlett Packard cartridge tape unit

Model: 9875A

Power Requirements: 24 volt d.c.

Data Format: HP's Standard Interchange Format (SIF)

Tape Cartridge: HP 98200A 225K byte cartridge compatible with HP Series 9800 desktop computers.

Tape Drive: Dual tape drives providing up to 8 hours continual recording time.

Controller: Internal micro-computer provides 23 built in commands.

: External computer generated commands.



GSM-8 PROTON PRECESSION MAGNETOMETERSPECIFICATIONS

RESOLUTION: 1 gamma

ACCURACY: ± 1 gamma over operating range

RANGE: 20,000-100,000 gamma in 23 overlapping steps

GRADIENT TOLERANCE: Up to 5000 gamma/metre

OPERATING MODES: MANUAL PUSHBUTTON, new reading every 1.85 sec., display active between readings
 CYCLING, pushbutton initiated, 1.85 sec. period
 SELFTTEST, pushbutton controlled, 7 sec. period

OUTPUT: VISUAL: 5 digit 1 cm (0.4") high Liquid Crystal Display, visible in any ambient light
 DIGITAL: Multiplied precession frequency and gating pulse
 ANALOG: Optional 0-99 or 0-999 gamma

EXTERNAL TRIGGER: Permits externally triggered operation with periods longer than 1.85 sec. (optional minimum period 0.9 sec.)

POWER REQUIREMENTS: 12V 0.7A peak, 5mA standby

POWER SOURCE: INTERNAL: 12V 0.75Ah NiCd rechargeable battery 3,000 readings per full charge
 EXTERNAL: 12-32V

BATTERY CHARGER: Input: 110/220V 50/60Hz; output: 14V 75mA DC

OPERATING TEMPATURE: -35 to +55C

DIMENSIONS: CONSOLE: 15x8x15cm (6x3 $\frac{1}{2}$ x6")
 SENSOR: 14x7cm dia (5 $\frac{1}{2}$ x3" dia)
 STAFF: 175cm (70") extended, 53cm (21") collapsed

WEIGHT: 2.7kg (6 lb) per standard complete with batteries

COST BREAKDOWN

<u>Personnel</u>	<u>Production</u>	<u>Dates</u>	<u>Total</u>
T. Pezzot.....	Pre-survey prep....	Sept.10,13/82...	\$450.00
T. Pezzot.....	Survey.....	Sept.15/82.....	\$350.00
M. McDermott....	Survey.....	Sept.15/82.....	\$150.00
M. McDermott....	Flight Path Recovery.....	Sept.16-21/82...	\$700.00
T. Pezzot.....	Anomaly Evaluation & Interpretation...	Sept.28-Oct.4, 1982...	\$1125.00
		Subtotal.....	\$2775.00
Helicopter.....			550.00
Airphotography.....			8.00
Photomosaic.....			150.00
Instrument Lease.....			500.00
Vehicle Lease.....			85.00
Meals and Accomodations.....			35.00
Materials.....			47.00
Drafting.....			125.00
Reproduction & Binding.....			95.00
Report.....			600.00
Shipping.....			30.00
		Subtotal.....	\$2225.00
		TOTAL.....	<u>\$5000.00</u>

STATEMENT OF QUALIFICATIONS

NAME: PEZZOT, E. Trent

PROFESSION: Geophysicist - Geologist

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

PROFESSIONAL
ASSOCIATIONS: Society of Exploration Geophysicist

EXPERIENCE: Three years undergraduate work in
geology - Geological Survey of Canada,
consultants.

Three years Petroleum Geophysicist,
Senior Grade, Amoco Canada Petroleum
Co. Ltd.

Two years consulting geophysicist,
Consulting geologist - B.C., Alberta,
Saskatchewan, N.W.T., Yukon, western
U.S.A.

Four years geophysicist with Glen E.
White Geophysical Consulting & Services
Ltd.

STATEMENT OF QUALIFICATIONS

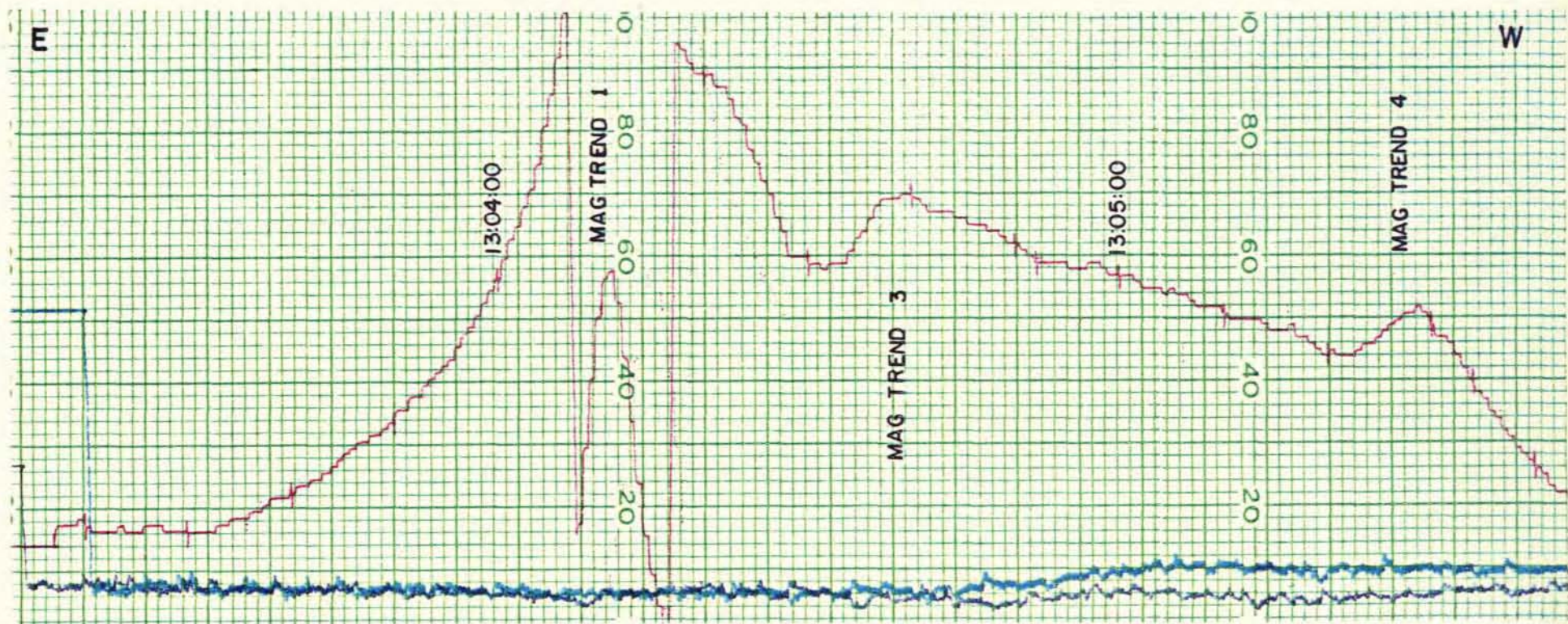
NAME: WHITE, Glen E., P.Eng.

PROFESSION: Geophysicist

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

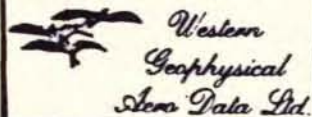
PROFESSIONAL ASSOCIATIONS: Registered Professional Engineer,
Province of British Columbia.
Associate member of Society of Exploration Geophysicists.
Past President of B.C. Society of Mining Geophysicists.

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 Tech-
nical Sales Manager in the Pacific
north-west for W.P. McGill and Assoc-
iates.
Two years Mining Geophysicist and
supervisor Airborne and Ground Geo-
physical Divisions with Geo-X Surveys
Ltd.
Two years Chief Geophysicist Tri-Con
Exploration Surveys Ltd.
Twelve years Consulting Geophysicist.
Active experience in all Geologic pro-
vinces of Canada.



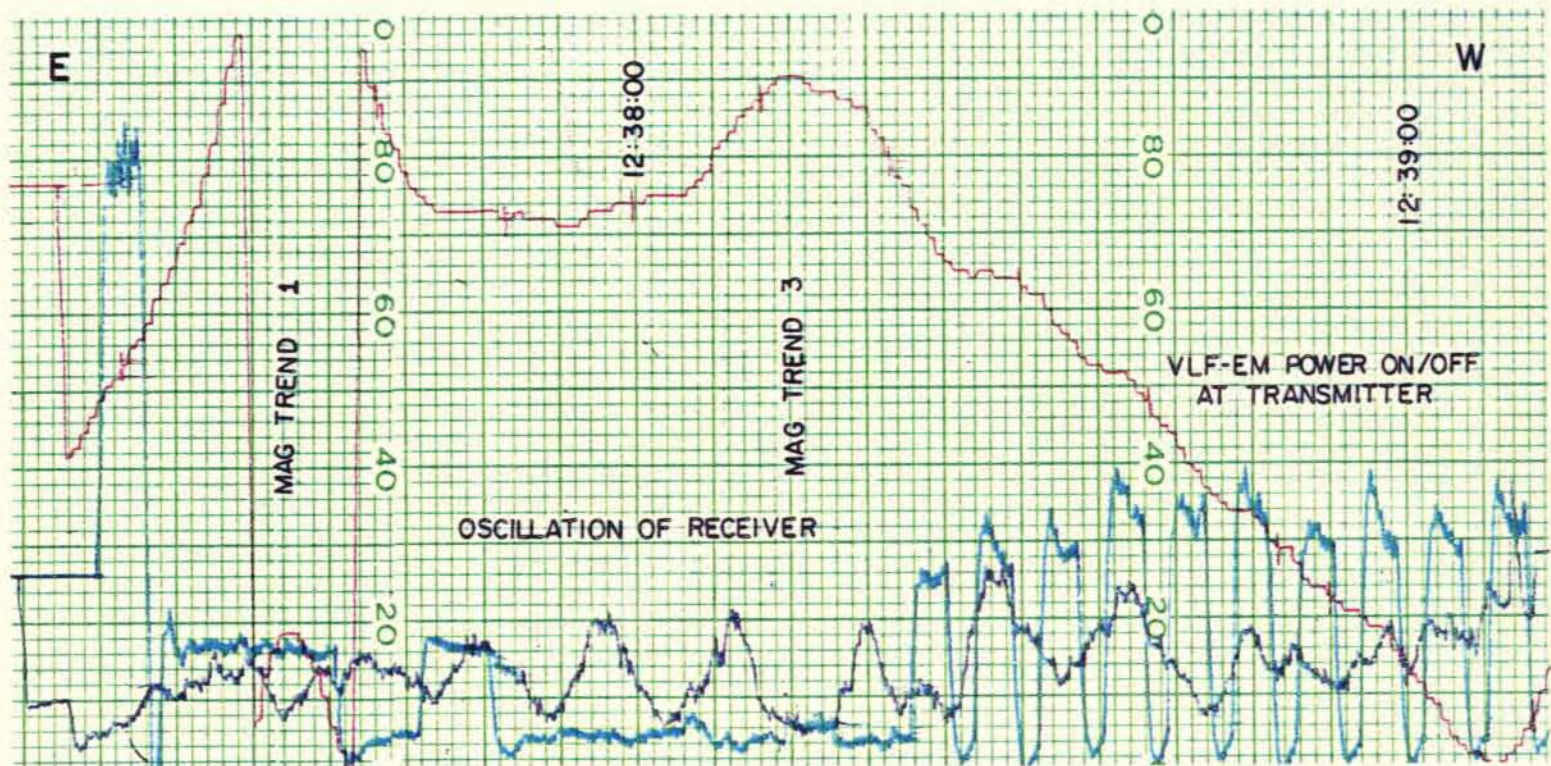
REGULUS RESOURCES INC.
LAKE ADIT PROPERTY

— LINE 17A —



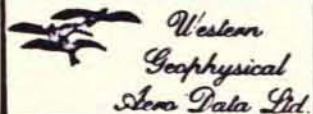
MAGNETOMETER BASE VALUE 57000 γ
MAGNETOMETER: VERTICAL SCALE - 1cm. = 100 gammas
VLF-EM: VERTICAL SCALE - 1cm. = 10 %

MAGNETOMETER: RED
VLF-EM (SEATTLE): BLUE
VLF-EM (ANNAPOLIS): BLACK FIG. 4



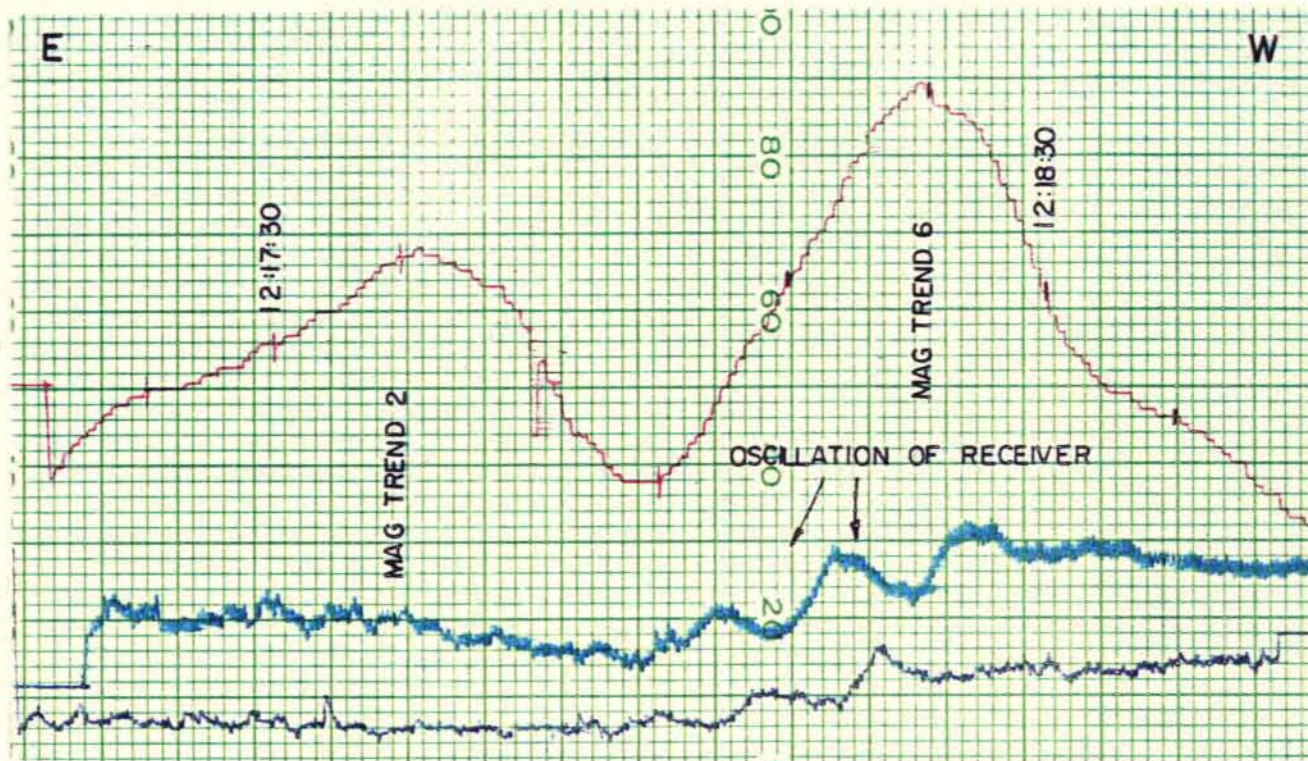
REGULUS RESOURCES INC.
LAKE ADIT PROPERTY

— LINE 18 —



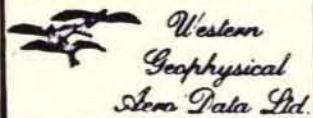
MAGNETOMETER BASE VALUE 57000 >
MAGNETOMETER: VERTICAL SCALE - 1cm. = 100 gammas
VLF-EM: VERTICAL SCALE - 1cm. = 10 %

MAGNETOMETER: RED
VLF-EM (SEATTLE): BLUE
VLF-EM (ANNAPOLIS): BLACK FIG. 5



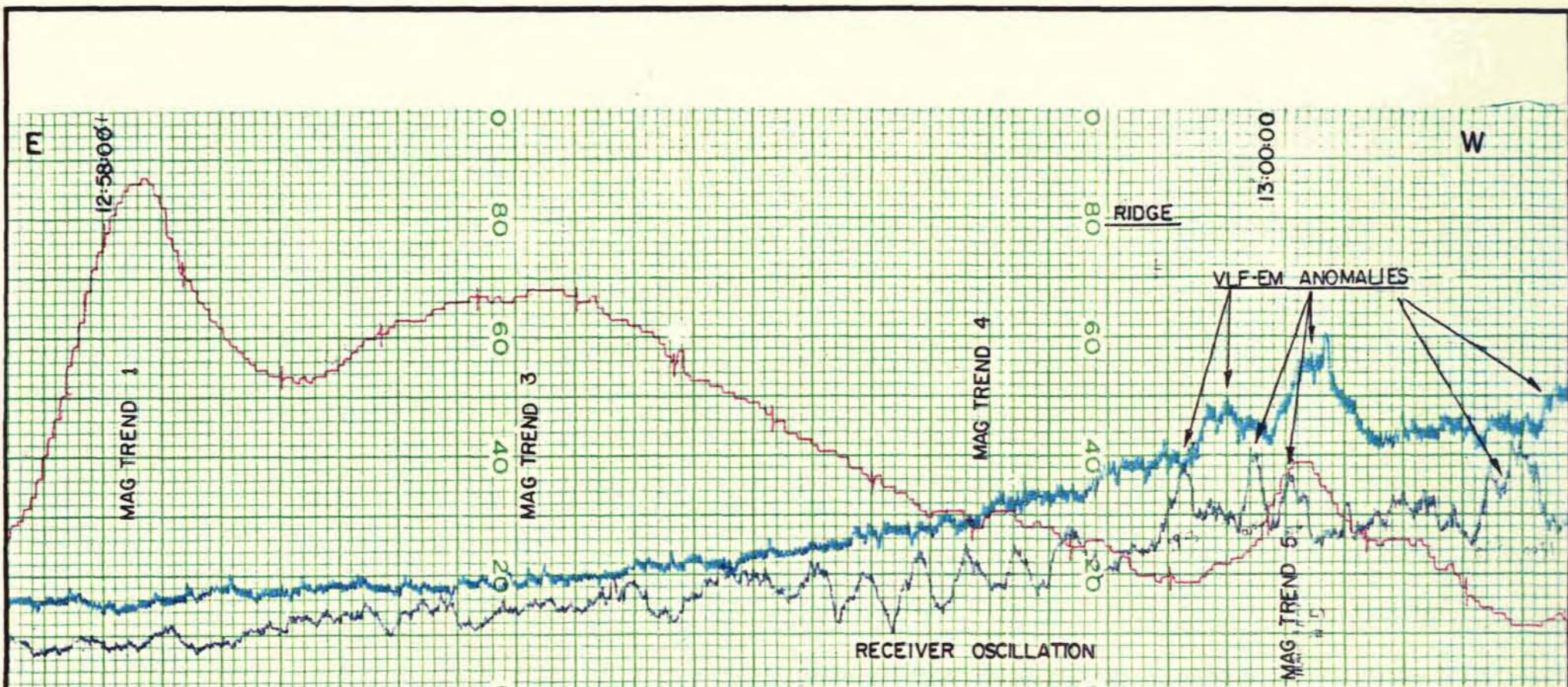
REGULUS RESOURCES INC.
LAKE ADIT PROPERTY

— LINE 14 —



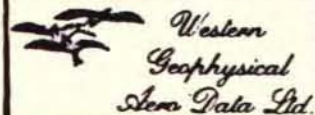
MAGNETOMETER BASE VALUE 57000 γ
MAGNETOMETER : VERTICAL SCALE - 1cm. = 100 gammas
VLF-EM : VERTICAL SCALE - 1cm. = 10 %

MAGNETOMETER: RED
VLF-EM (SEATTLE): BLUE
VLF-EM (ANNAPOLIS): BLACK FIG. 6



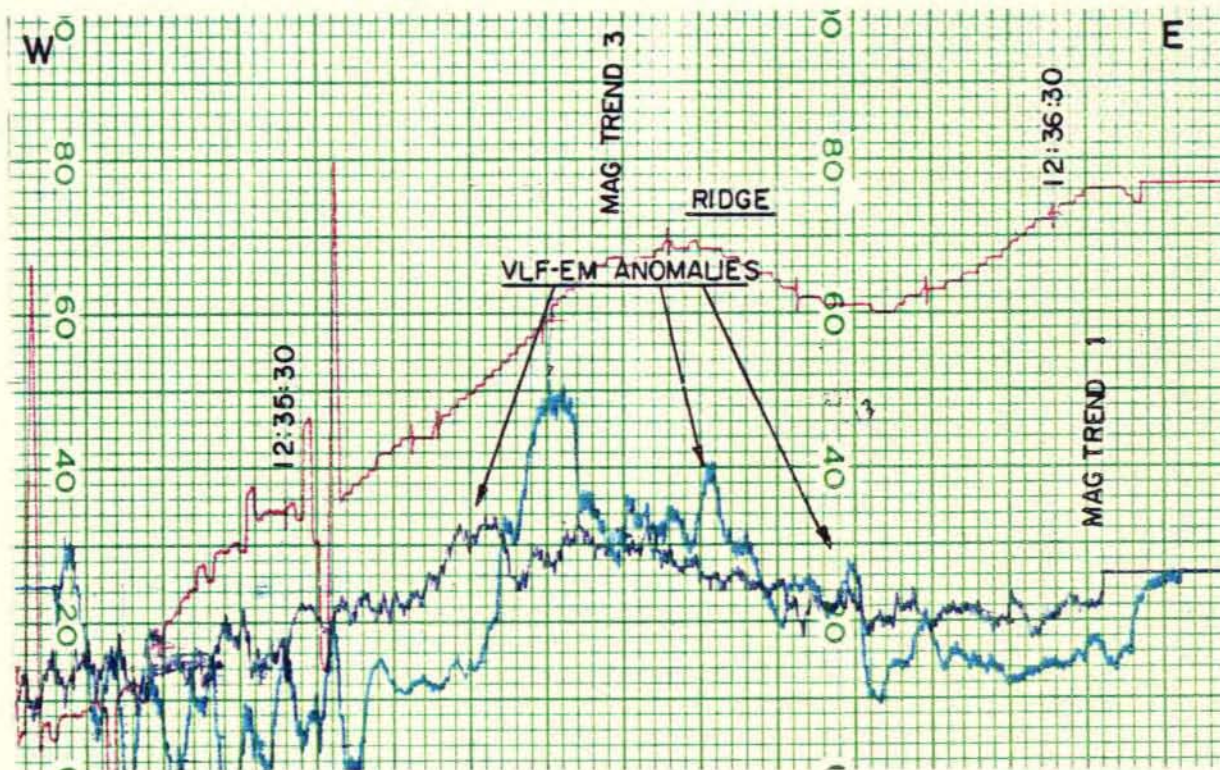
REGULUS RESOURCES INC.
LAKE ADIT PROPERTY

— LINE 24 —



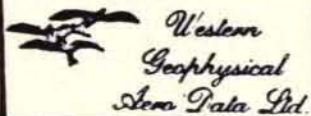
MAGNETOMETER BASE VALUE 57000 γ
MAGNETOMETER: VERTICAL SCALE - 1cm. = 100 gammas
VLF-EM: VERTICAL SCALE - 1cm. = 10 %

MAGNETOMETER: RED
VLF-EM (SEATTLE): BLUE
VLF-EM (ANNAPOLIS): BLACK FIG. 7



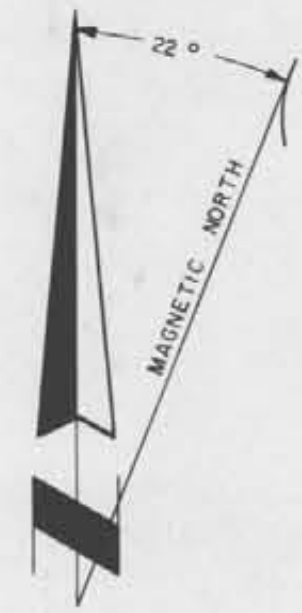
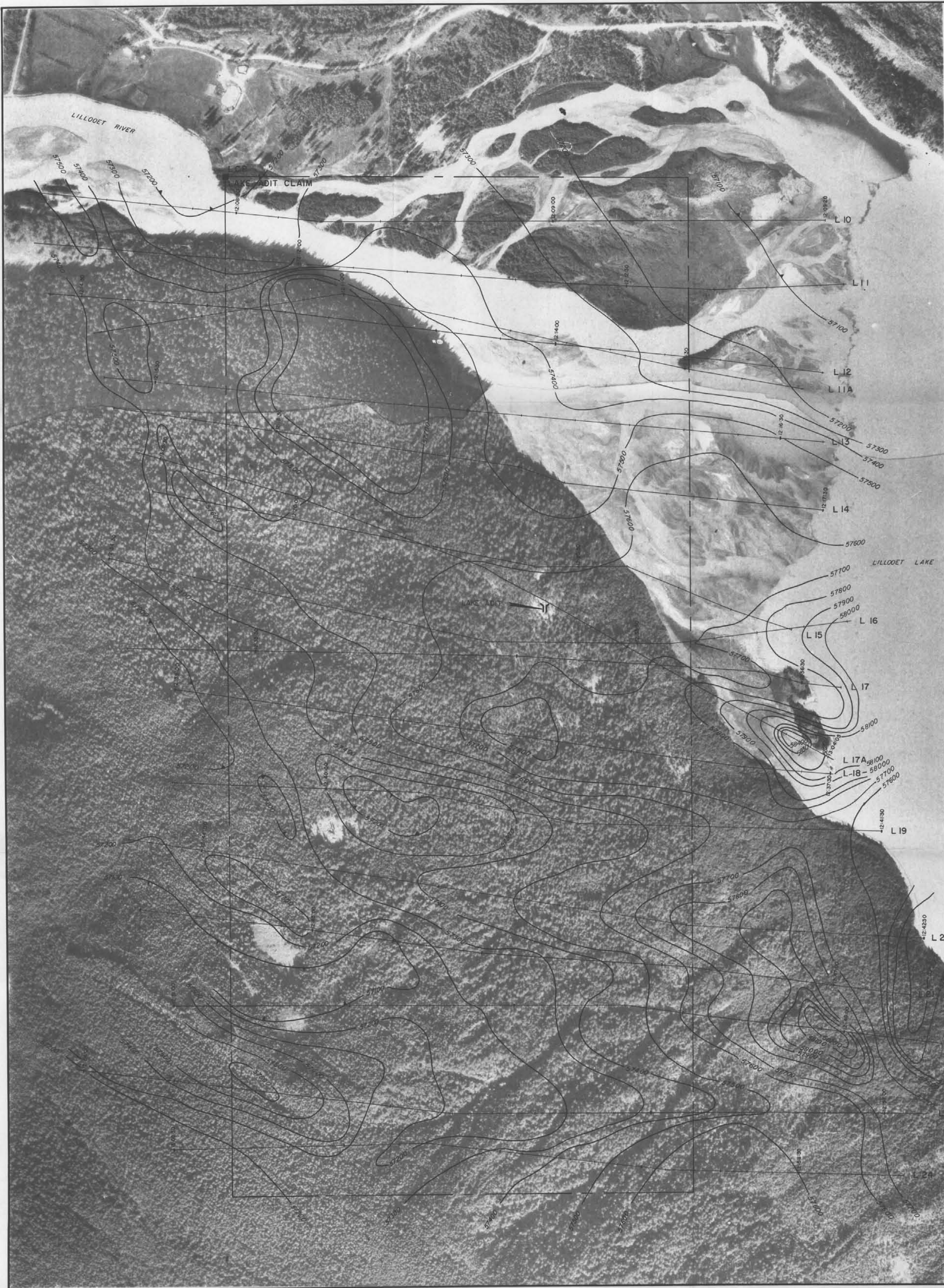
REGULUS RESOURCES INC.
LAKE ADIT PROPERTY

— LINE 17 —



MAGNETOMETER BASE VALUE 57000 γ
MAGNETOMETER: VERTICAL SCALE - 1cm. = 100 gammas
VLF-EM: VERTICAL SCALE - 1cm. = 10 %

MAGNETOMETER: RED
VLF-EM (SEATTLE): BLUE
VLF-EM (ANNAPOLIS): BLACK FIG. 8



LEGEND:

- CLAIM BOUNDARY
- LEGAL CLAIM POST
- FLIGHT LINE
- 5 SECOND INTERVAL
- TOTAL FIELD MAGNETIC INTENSITY CONTOURS, GAMMAS

INSTRUMENTS:

- BARRINGER MAGNETOMETER NIMBIN 123
- SABRE AIRBORNE VLF-ELECTROMAGNETOMETER
- i) JIM CREEK, WASHINGTON - 24.8 KHz.
- ii) ANNAPOLIS, MARYLAND - 21.4 KHz.
- BASE RECORDING MAGNETOMETER: GSM-8
- BASE RECORDER: MR-10

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

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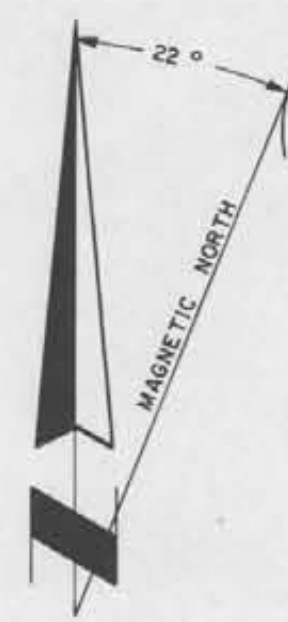
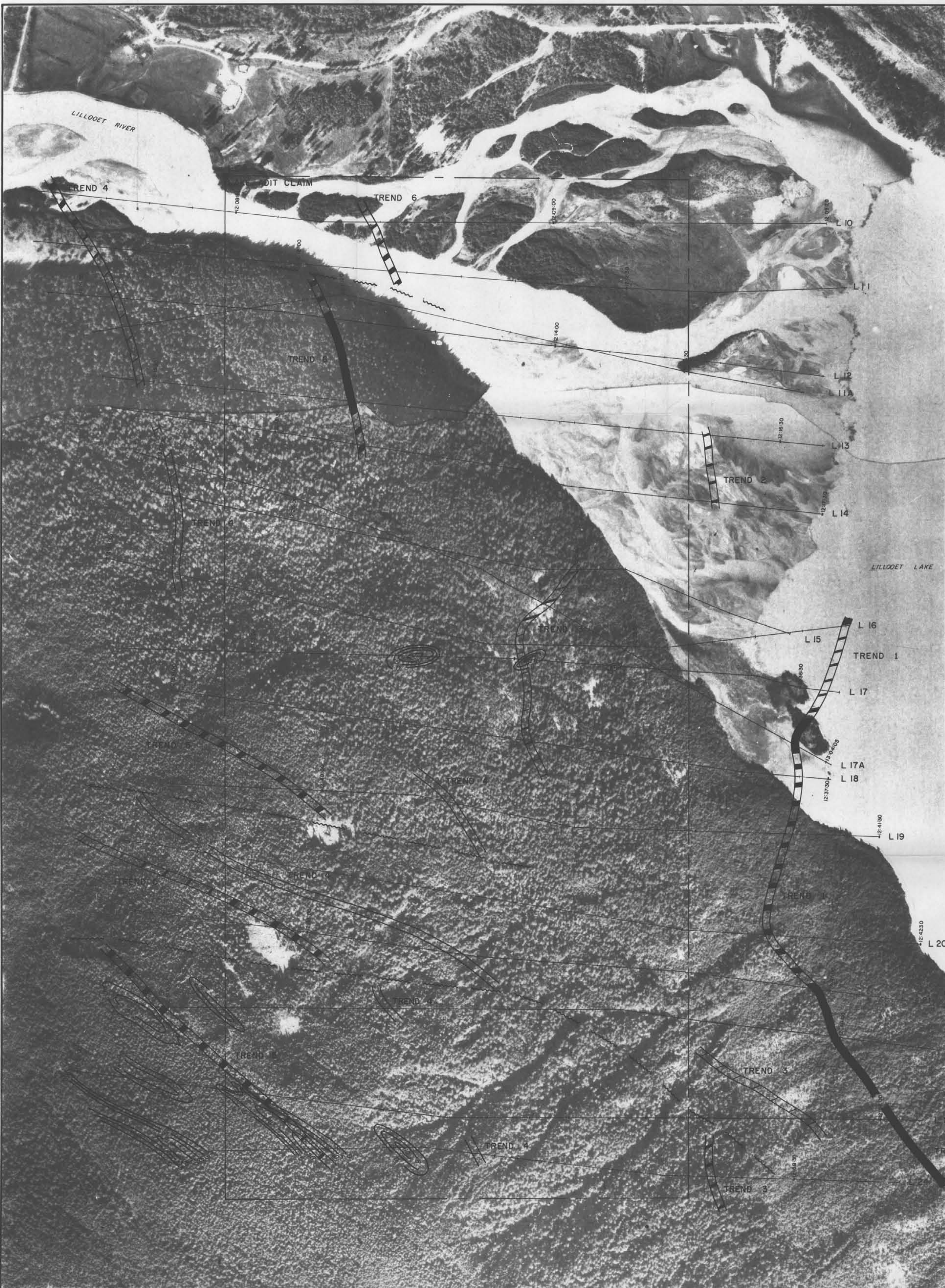
100m 50m 0 100m 200m 300' 400'
1:5000

REGULUS RESOURCES INC.
LAKE ADIT PROPERTY
LILLOOET MINING DIVISION - BRITISH COLUMBIA

MAGNETIC INTENSITY CONTOUR MAP

*Western
Geophysical
Services Ltd.*

Interpreted By: E.T.P.
Drawn By: FINELINE DRAFTING
Checked By: E.T.P.
Date: OCTOBER/82
Fig. No. 2



**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

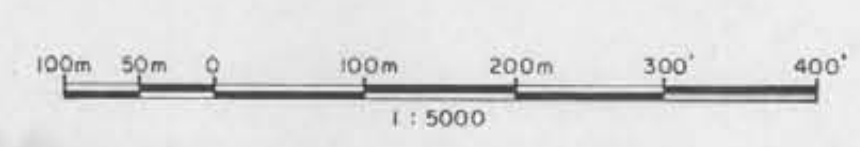
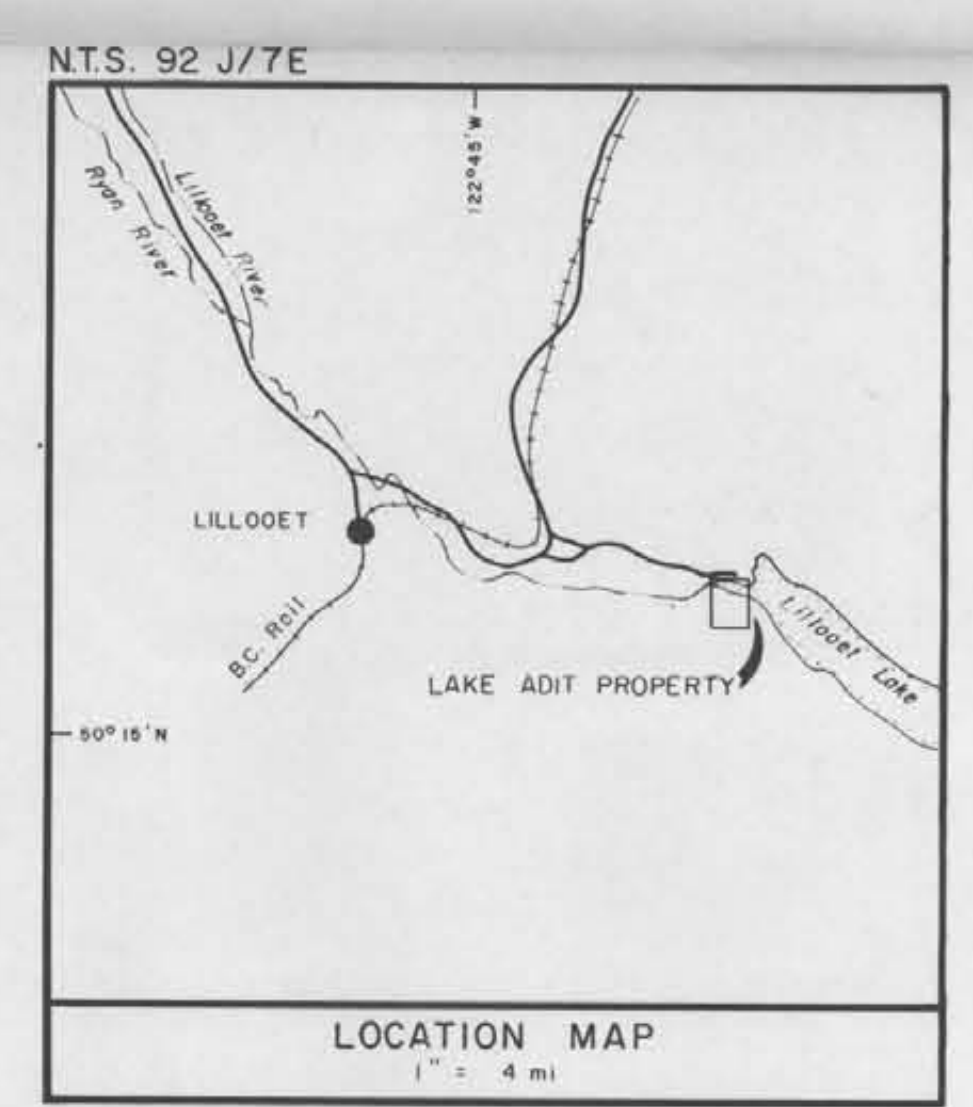
11,087

LEGEND:

- CLAIM BOUNDARY
- LEGAL CLAIM POST
- - - FLIGHT LINE
- 5 SECOND INTERVAL
- AXIS OF MAGNETIC TREND
- < 50% ABOVE BACKGROUND
- 51% - 100% ABOVE BACKGROUND
- 101% - 200% " "
- 201% - 500% " "
- > 500% ABOVE BACKGROUND
- INTERPRETED FAULT
- VLF-EM - % FIELD STRENGTH INCREASE ABOVE LOCAL BACKGROUND

INSTRUMENTS:

- BARRINGER MAGNETOMETER: NIMBIN 123
- SABRE AIRBORNE VLF-ELECTROMAGNETOMETER
- 1) JIM CREEK, WASHINGTON - 24.8 KHz.
- 11) ANNAPOLIS, MARYLAND - 21.4 KHz.
- BASE RECORDING MAGNETOMETER: GSM-8
- BASE RECORDER: MR-10

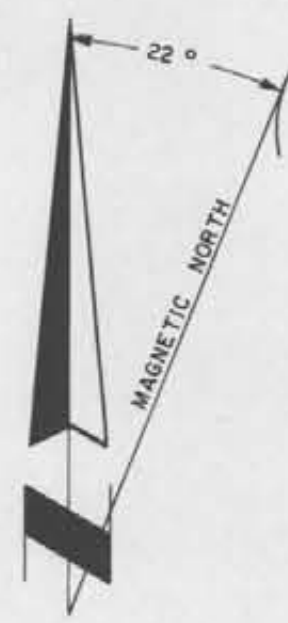
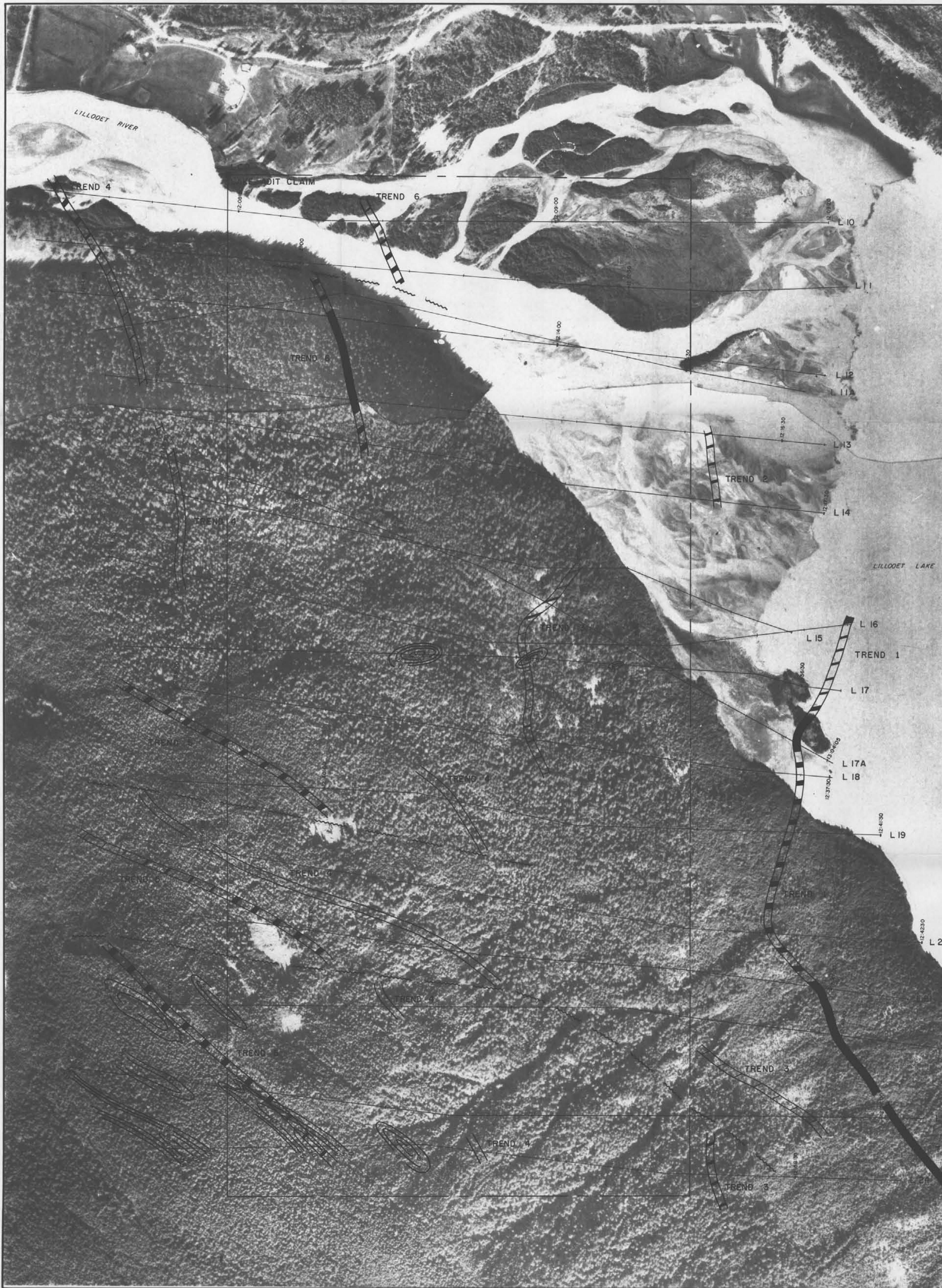


REGULUS RESOURCES INC.
LAKE ADIT PROPERTY
LILLOOET MINING DIVISION - BRITISH COLUMBIA

GEOPHYSICAL INTERPRETATION MAP

*Western
Geophysical
Services Ltd.*

Interpreted By: E.T.P.
Drawn By: FINE LINE DRAFTING
Checked By: E.T.P.
Date: OCTOBER / 82
Fig. No.: 3



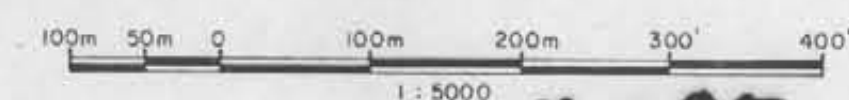
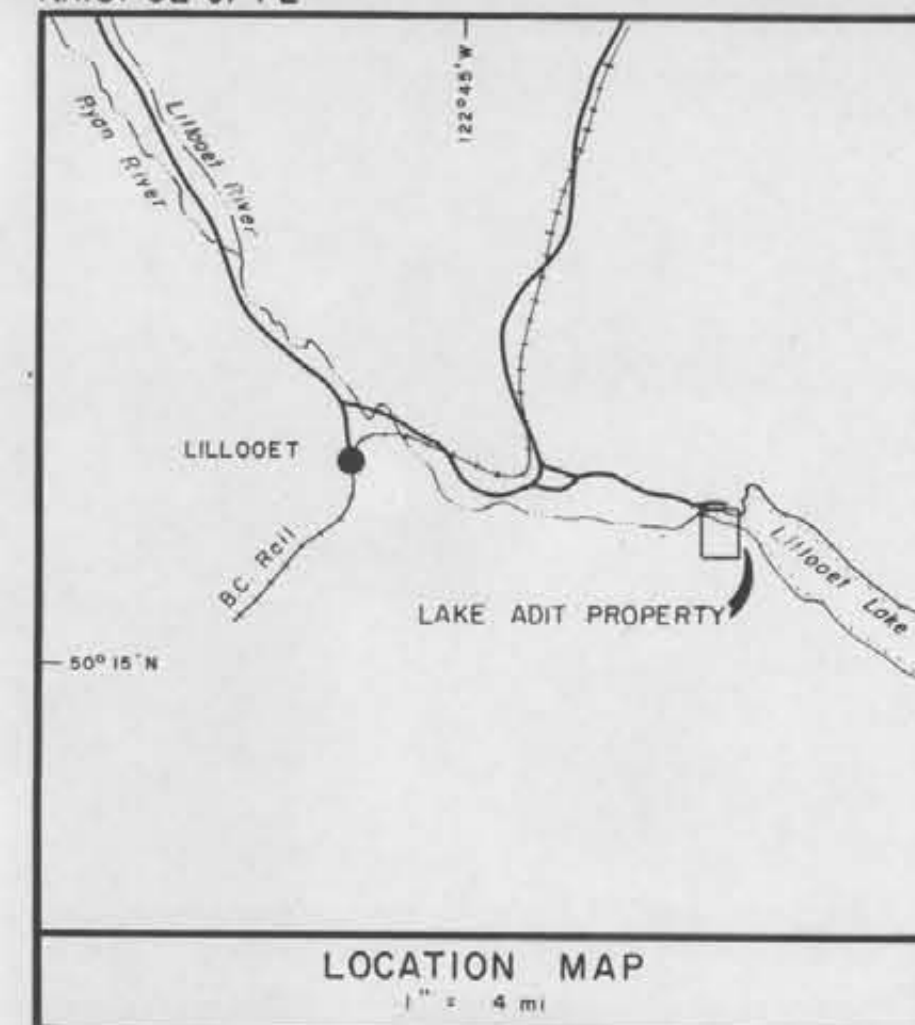
LEGEND:

- CLAIM BOUNDARY
- LEGAL CLAIM POST
- FLIGHT LINE
- 5 SECOND INTERVAL
- AXIS OF MAGNETIC TREND —> 5' ABOVE BACKGROUND
- " " " " 51' - 100' ABOVE BACKGROUND
- " " " " 101' - 200' " "
- " " " " 201' - 500' " "
- " " " " >500' ABOVE BACKGROUND
- INTERPRETED FAULT
- VLF-EM - % FIELD STRENGTH INCREASE ABOVE LOCAL BACKGROUND

INSTRUMENTS:

- BARRINGER MAGNETOMETER: NIMBIN 123
- SABRE AIRBORNE VLF-ELECTROMAGNETOMETER
- 1) JIM CREEK, WASHINGTON - 24.8 KHz.
- 11) ANNAPOLIS, MARYLAND - 21.4 KHz.
- BASE RECORDING MAGNETOMETER: GSM-8
- BASE RECORDER: MR-10

NTS. 92 J/7E



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REGULUS RESOURCES INC.
LAKE ADIT PROPERTY
LILLOOET MINING DIVISION - BRITISH COLUMBIA

GEOPHYSICAL INTERPRETATION MAP

Western Geophysical
Lake Adit Ltd.
Interpreted By: E.T.P.
Drawn By: FINELINE DRAFTING
Checked By: E.T.P.
Date: OCTOBER / 82
Fig. No.: 3