

ARIS SUMMARY SHEET

District Geologist, Kamloops

Off Confidential: 89.12.12

ASSESSMENT REPORT 18495

MINING DIVISION: Nicola

PROPERTY: FL
LOCATION: LAT 50 21 00 LONG 120 22 00
UTM 10 5580643 687343
NTS 092I08W

CAMP: 013 Stump Lake Area

CLAIM(S): FL 1, FL 3
OPERATOR(S): Accrue Res.
REPORT YEAR: 1989, 11 Pages

COMMODITIES

SEARCHED FOR: Gold, Silver, Copper, Lead, Zinc, Tungsten
KEYWORDS: Triassic, Nicola Group, Greenstone, Quartz Veins, Pyrite, Galena
Sphalerite, Scheelite

WORK
DONE: Geophysical
EMGR 29.0 km; VLF
Map(s) - 3; Scale(s) - 1:5000

RELATED
REPORTS: 18494
MINFILE: 092ISE136

LOG NO: 0308	RD.
FILM	

VLF-EM16 SURVEY

FL-1 AND FL-3 CLAIMS

NICOLA MINING DIVISION

FILMED

NTS 921/8W

LATITUDE: 50 DEGREES 21 MINUTES

LONGITUDE: 120 DEGREES 22 MINUTES

OWNER: ACCRUE RESOURCES INC.

OPERATOR: ACCRUE RESOURCES INC.

AUTHORS: D.C. MILLER AND LEO LORANGER

FEBRUARY 15, 1989

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

18,495

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INTRODUCTION

LOCATION, ACCESS AND TOPOGRAPHY

The FL-1 and 3 claims are located on the east shore of Stump Lake at geographic coordinates 50 degrees 21 minutes north and 120 degrees 22 minutes west. Access is by paved highway from Kamloops, which is located about 40 km north of the property. The dirt road leading to the claim turns off the highway some 2.7 km south of Stump Lake.

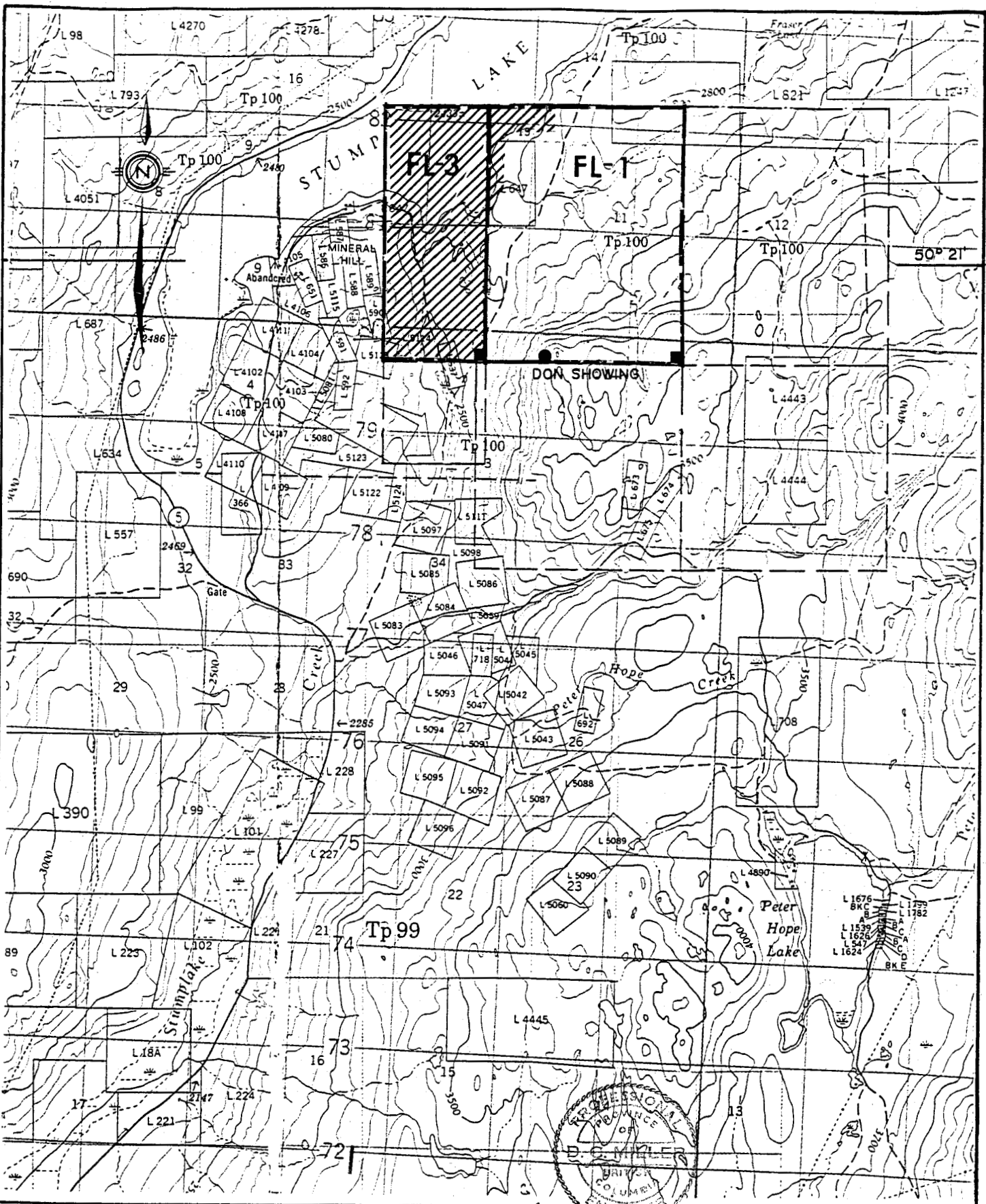
The property is situated in an area of low to moderate relief. The FL-1 claim is nearly flat while the FL-3 claim occupies a west facing hillside. The base elevation is 742 m and topographic relief is about 325 m. Vegetation includes sagebrush, grass, Ponderosa pine and Douglas fir. Rock outcroppings are relatively sparse except on the south part of the FL-1 claim.

PROPERTY DEFINITION

The property includes 2 claims comprising 30 modified grid units summarized as follows:

CLAIM NAME	TAG NO.	RECORD NO.	NO. OF UNITS	ANNIVERSARY DATE
FL-1	61593	1759	20	December 15
FL-3	61595	1761	10	December 19

The recorded owner is Accrue Resources Inc., 903-865 Hornby Street, Vancouver, B.C. V6Z 2G3.



AREA OF SURVEY



LCP



120° 22'

ACCURUE RESOURCES INC.

FL-1 AND FL-3 CLAIMS
LOCATION, CLAIM AND KEY MAP

DRAWN BY:
DCM

NTS
921/BW

FIGURE
1

REPORT DATE
FEB. 15, 1989

PROJECT NO.
8848

D. C. MILLER GEOLOGICAL SERVICES

PREVIOUS WORK

The area has undergone intermittent exploration since about 1882. Production from the nearby Stump Lake Mines property, mainly between 1931 and 1944, totaled 71,304 tonnes yielding 254,610 g of gold, 7,773,636 g of silver, 1,039,895 kg of lead and 234,828 kg of zinc. The mine was developed by an adit level, an inclined shaft, a winze and other levels over a vertical interval of 274 m and a total strike-length of 457 m. On surface, a 1000 m strike-length of vein was exposed in trenches. The main vein strikes northerly to northwesterly and dips 45 to 85 degrees easterly.

The Don showing is located on the south boundary of the FL-1 claim (Fig. 1) and consists of a quartz vein some 1.5 m thick mineralized with sparse pyrite, chalcopyrite, galena and sphalerite. Recent sampling by F.L. Wynne averaged 0.043 oz/t gold and 2.2 oz/t silver over a 1.5 m true width. This zone has been traced for some 760 m northward by previous workers (Cockfield, 1948). The vein strikes N10-20 DEG.W and dips from vertical to moderately eastward.

Starting in 1972 renewed exploration activity occurred in the area. The work consisted mainly of various geophysical and geological surveys covering much of the FL-3 claim and the western part of the FL-1 claim. In 1978, (Westervelt) one 258 m diamond drill hole was drilled near the lakeshore on the FL-3 claim. No mineralization was intersected (Fig. 3).

CURRENT WORK

Current work consists of 29 line-km of VLF- EM 16 readings at 25 m spacing along lines spaced 100 m apart. Field work was carried out by Leo Loranger during March 1 to 16, 1988 and covered the FL-3 claim and a little of FL-1 claim. An additional 6 man-days was spent on data reduction, plotting and report preparation at this time and a further 2 man-days was spent on report preparation in Feb. 1989.

GEOLOGY

The claims are underlain by Nicola volcanic rocks consisting mainly of greenstone. Pyrite, chalcopyrite, galena, sphalerite and scheelite have been recognized in quartz-carbonate veins which carry low gold-silver values in the Don showing. Several open cuts are present on the FL-3 claim.

VLF-EM 16 SURVEY

INSTRUMENTATION

A Geonics EM16 was used for the survey. This receiver measures the in-phase and quadrature-phase components of the vertical magnetic field as a percentage of the horizontal primary field (i.e. the tangent of the tilt angle and ellipticity). The sensitivity for in-phase signals is $\pm 150\%$ and $\pm 40\%$ for quadrature signals with a resolution of 1%. Nulling is by audio tone. The in-phase indication is read from a mechanical inclinometer and the quadrature phase from a graduated dial. The operating frequency ranges from 15 to 25 khz

INSTRUMENTATION (CONTINUED)

on the VLF Radio Band. Station selection is done by means of plug-in units. The power supply consists of 6 disposable AA batteries.

The purpose of the survey was to test a large area near precious and base metal occurrences at Stump Lake.

METHOD

To be effective, the source of the VLF signal should be roughly in line with the long axis of conductive bodies to be tested. The primary magnetic field from the transmitting station will then cut such conductors nearly at right angles. As the known conductors in the area strike northerly, the Jim Creek transmitting station near Seattle, Wa. was selected as a VLF source. This transmitter sends signals at a frequency of 24.8 khz. The orientation of this station to the survey grid is shown on Figures 2 and 3. Grid lines were oriented east-west, nearly at right angles to the direction of Jim Creek.

In taking readings, the instrument is oriented at right angles to the direction of the signal and swung slowly back and forth for minimum sound intensity. The left hand is used to turn the quadrature dial to further minimize the sound. After finding the minimum signal strength on both adjustments, the inclinometer (in-phase) reading and quadrature reading are recorded. Throughout the survey the operator always faces in the same direction at each station where readings are taken.

INTERPRETATION OF RESULTS

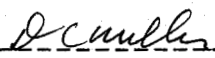
Results of the survey are shown on Figures 2, 3 and 4. Figure 2 shows the grid and raw data. Figure 3 shows a graphical plot of the in-phase readings and shows the location of interpreted conductor axes labeled A, B, C, D, E, F, G, H, J, K, L and M. Figure 4 shows a contoured plot of filtered data (Fraser Filter).

Conductors A, B, F, H and K are the strongest and likely indicate shear zones which possibly carry sulphides. Readings taken on the ice on Stump Lake are flat and indicate the VLF signal could not penetrate to bedrock below the Lake bottom.

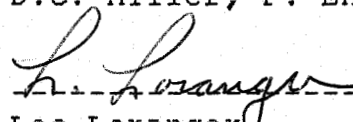
CONCLUSIONS AND RECOMMENDATIONS

Further work to determine the cause of the conductors is warranted. Work including soil and rock geochemistry and geology is recommended. It is recommended the grid be extended to cover the rest of the the FL-1 claim, in particular, the northern trend of the Don showing.

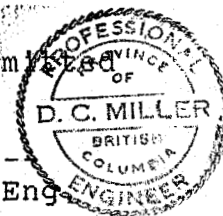
Respectfully submitted



D.C. Miller, P. Eng.



Leo Loranger



COST STATEMENT

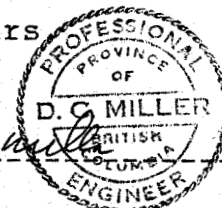
Re: Work on FL-1 and FL-3 Claims:

March 1- 16, 1988- 29 line-km of VLF-EM16 survey,
15 km of picketing, data reduction and plotting-
16 days @ \$165.00/day.....\$2640.00
Transportation: 4 by 4 truck: 16 days @ \$55/day..... 880.00
Mileage charge: 1050 km @ \$0.20/km..... 210.00
Room and board: 16 days @ \$35/day..... 560.00
Instrument rental: 16 days @ \$35.00/day..... 560.00
Plotting and reduction: 4 days @ \$150/day..... 600.00
Preliminary report: 2 days @ \$300/day..... 600.00
Subtotal \$6050.00
Feb 1, 1989- 1 day drafting @ \$165.00.....165.00
Feb 2, 1989- report writing, 1 day a \$300.....300.00
Total.....\$6515.00

AUTHORS QUALIFICATIONS

I, D.C. Miller, certify that:

- 1) I am a consulting Geological Engineer with an office at 769 Fraser Street, Kamloops, B.C. V2C 3H1.
- 2) I am a graduate of the University of B.C. and earned a B.A.Sc. Degree in Geological Engineering in 1959. I am a member of the Association of Professional Engineers of B.C. and a fellow of the Geological Association of Canada.
- 3) I have practiced my profession for over 25 years.

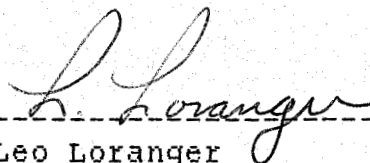


D.C. Miller, P.Eng.

Feb. 15, 1989

I, Leo Loranger, certify that:

- 1) I have been employed in mineral exploration for over 29 years.
- 2) I was employed by Royal Canadian Ventures and Craigmont Mines Ltd. as an Exploration Fieldman during 1968 to 1983 and acted as instrument operator for several VLF-EM16 and ground magnetometer surveys.
- 3) Since 1983, I have been self-employed as a mineral exploration contractor.


Leo Loranger

Feb. 15, 1989

REFERENCES

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Part D, pp D-14 to D-23.

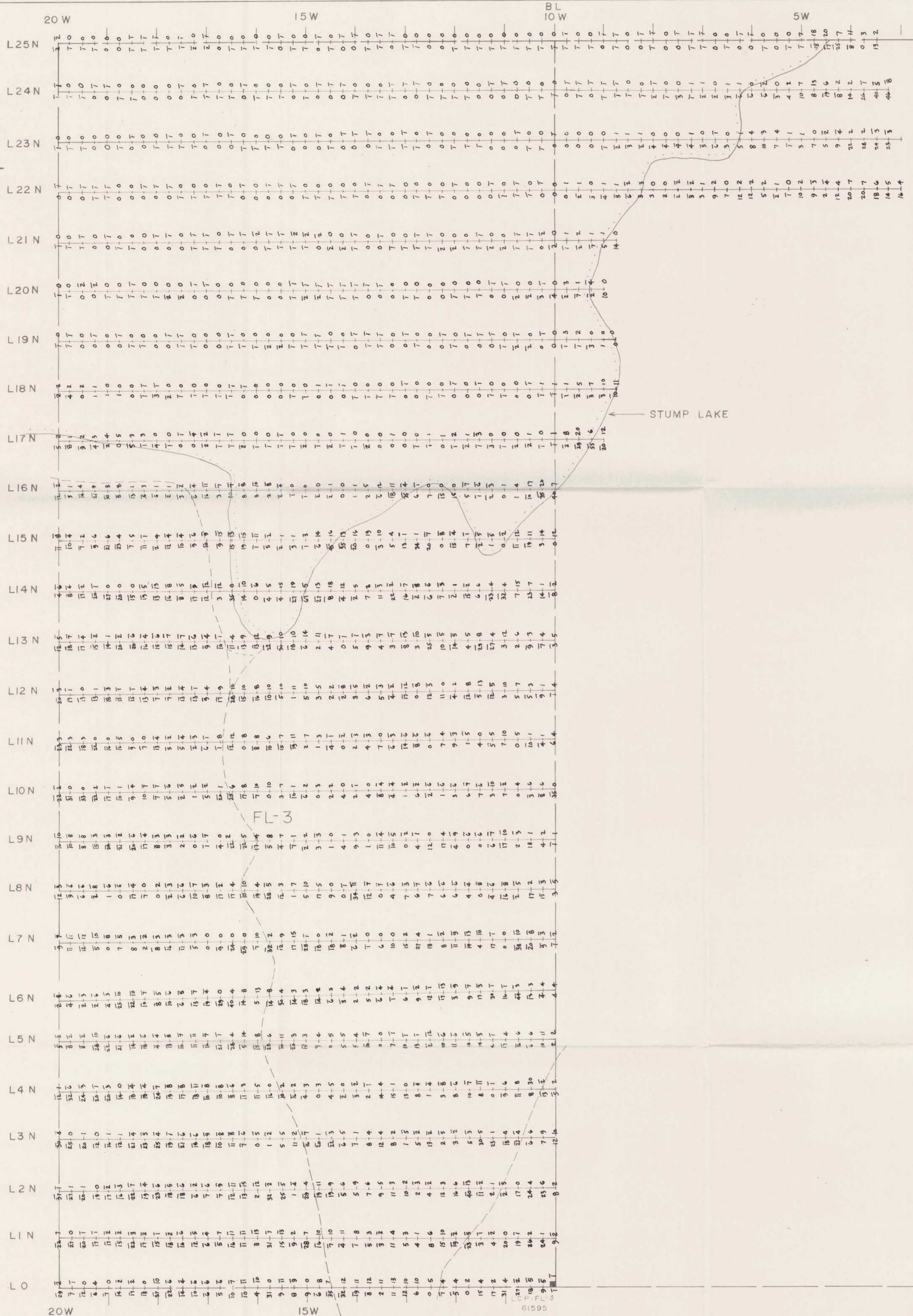
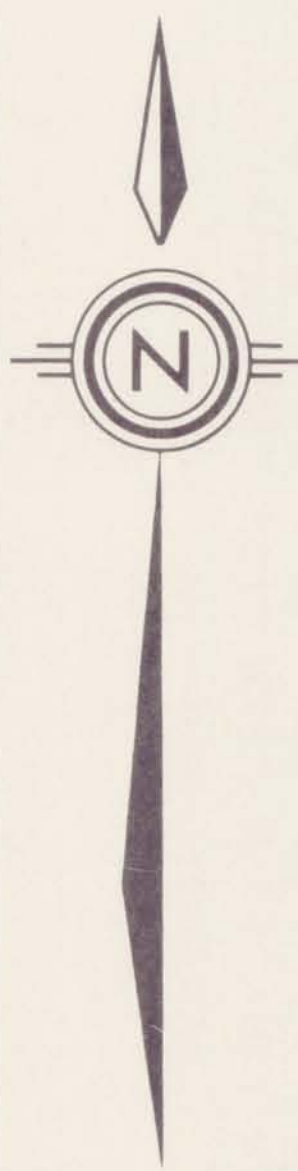
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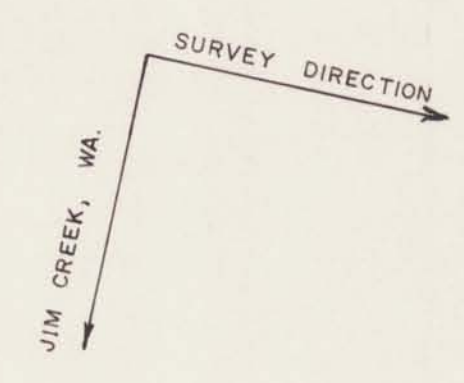
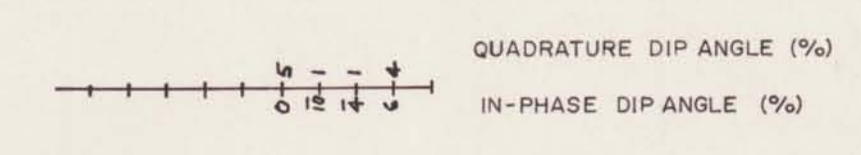
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for Mr. Frank Barazzuol.



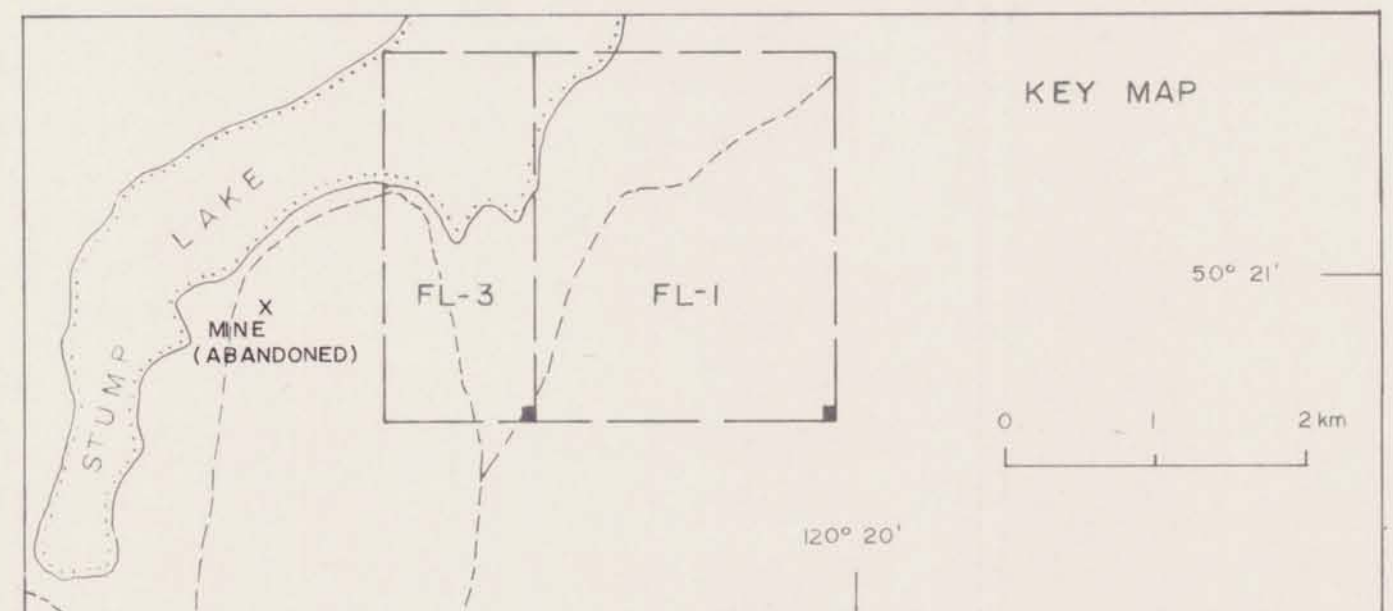
LEGEND

- ROAD
- INSTRUMENTATION: GEONICS EM-16
- TRANSMITTER: JIM CREEK, WA., FREQUENCY 24.8 KHZ
- OPERATOR FACING EAST



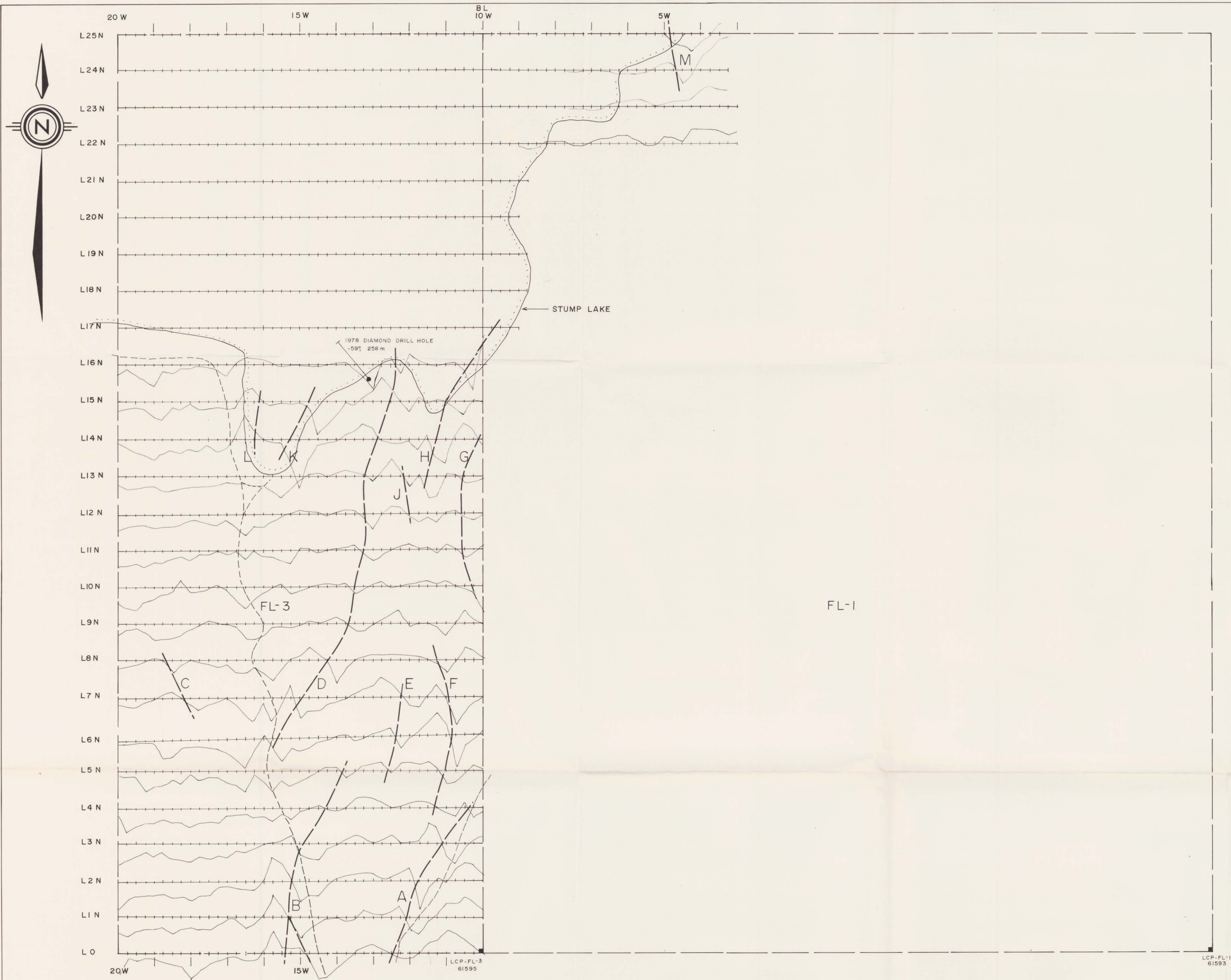
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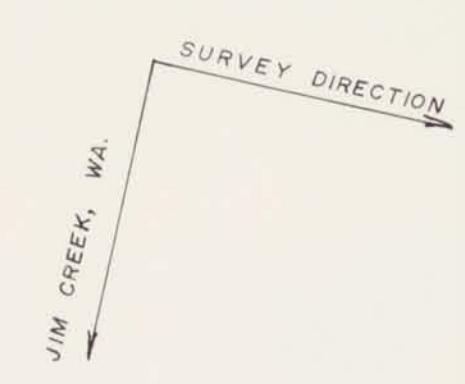
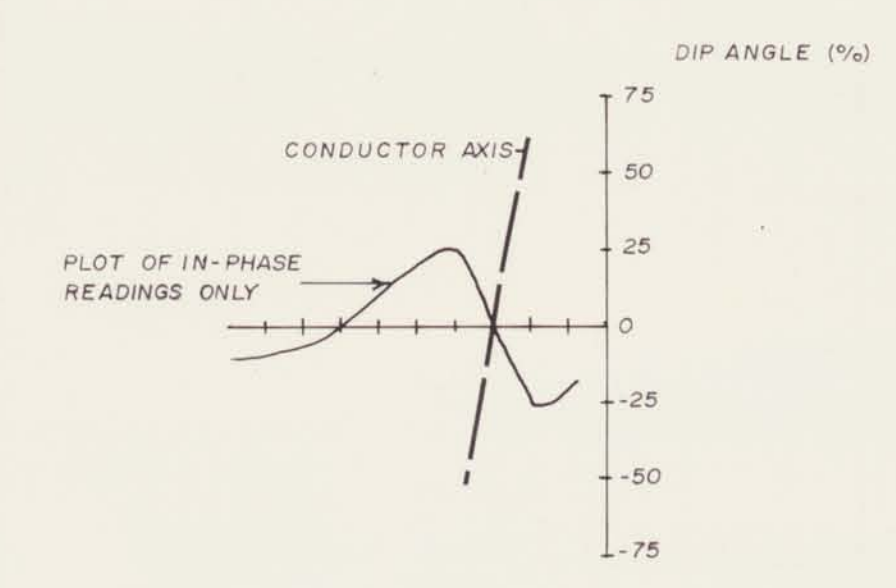
ACCURIE RESOURCES INC.		
FL-1 AND FL-3 CLAIMS		
VLF DIP ANGLE DATA		
DRAWN BY: DCM	NTS. 921/BW	FIGURE 2
REPORT DATE FEB. 15, 1989	PROJECT NO. 8848	
D.C. MILLER GEOLOGICAL SERVICES		





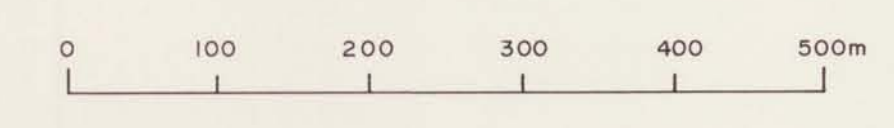
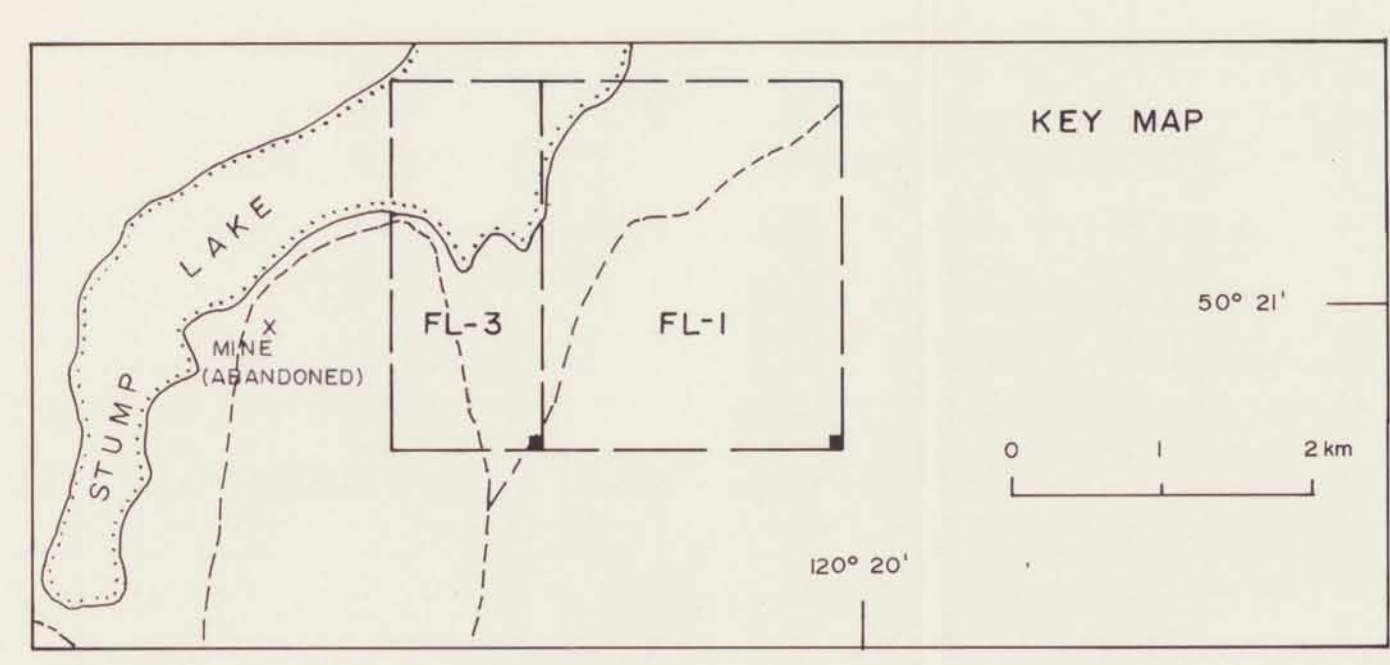
LEGEND

- ROAD
- INSTRUMENTATION: GEONICS EM-16
- TRANSMITTER: JIM CREEK, WA., FREQUENCY 24.8 KHZ
- OPERATOR FACING EAST



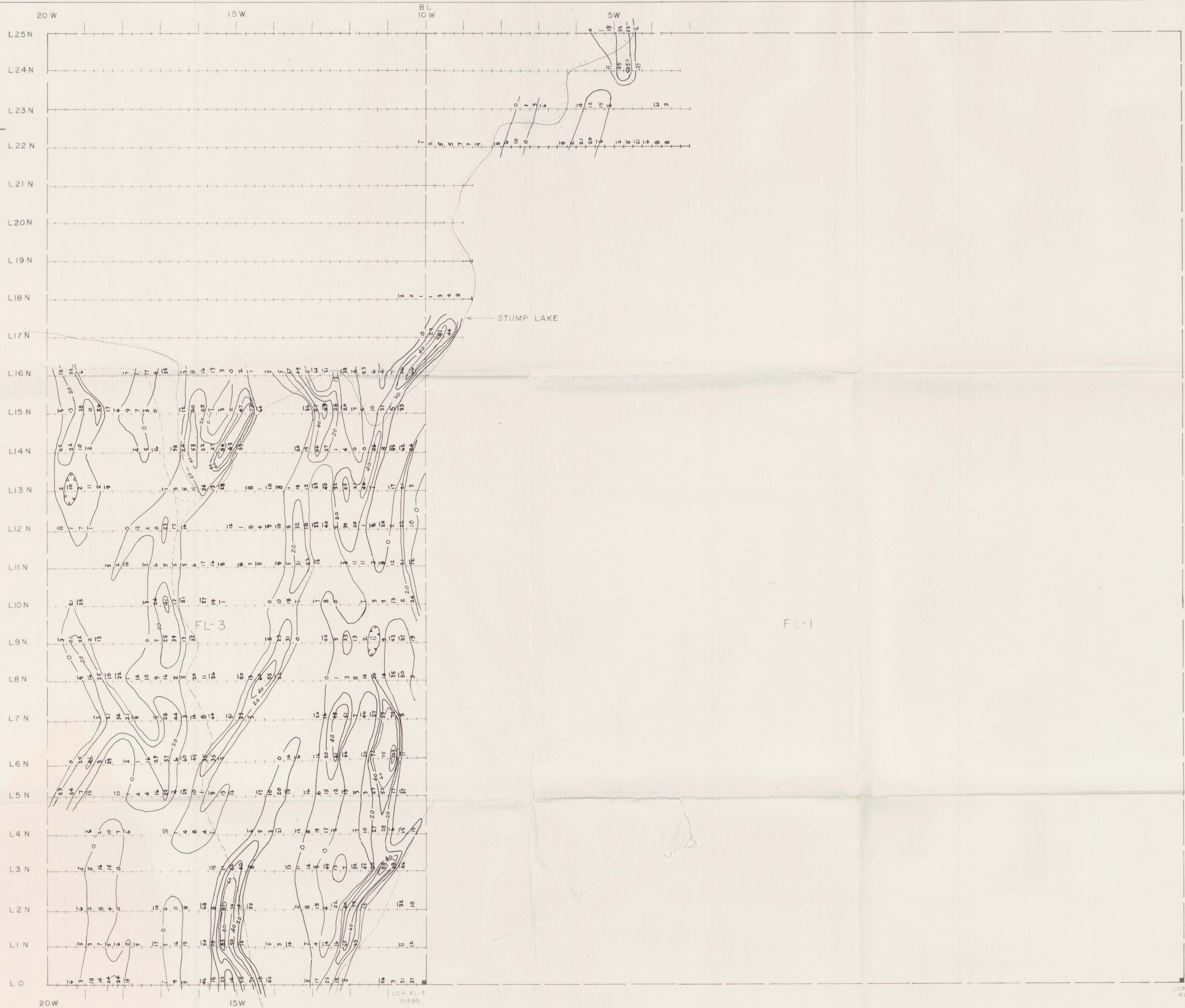
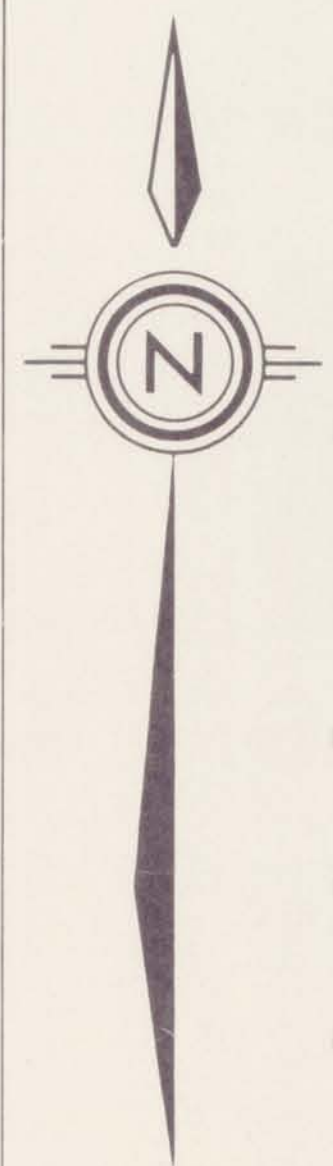
GEOLOGICAL BRANCH
ASSESSMENT REPORT

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ACCURUE RESOURCES INC.		
FL-1 AND FL-3 CLAIMS		
VLF DIP ANGLE PLOT		
DRAWN BY: DCM	NTS: 921/8W	FIGURE 3
REPORT DATE: FEB. 15, 1989	PROJECT NO: 8848	
D.C. MILLER GEOLOGICAL SERVICES		





LEGEND

--- ROAD

INSTRUMENTATION: GEONICS EM-16
TRANSMITTER STATION: JIM CREEK, WA., FREQUENCY 24.8 KHZ
CONTOUR INTERVAL: 20 UNITS, POSITIVE VALUES ONLY

GEOLOGICAL BRANCH
ASSESSMENT REPORT

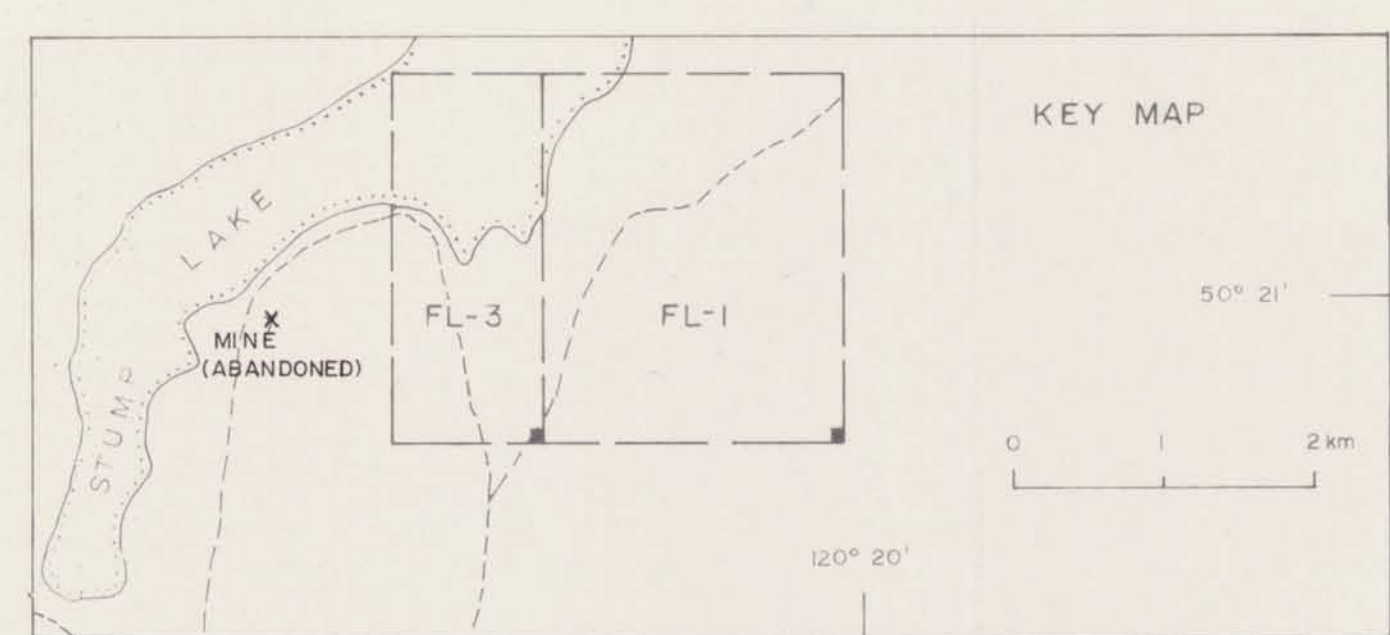
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ACCURUE RESOURCES INC.

FL-1 AND FL-3 CLAIMS
VLF-EM16 FRASER FILTER PLOT

DRAWN BY: DCM	NTS 921/BW	FIGURE 4
REPORT DATE FEB. 15, 1989	PROJECT NO. 8849	

D. C. MILLER GEOLOGICAL SERVICES



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61593

