

28349

June '64

628

GEOMAG GEOPHYSICAL REPORT #2
S.I. of the
B-1 Group, Quesnel, B. C.
52° North - 122° West
for Cariboo
Coast Silver Mines
February 23 - March 10, 1965
93B/16E
D. L. Hings, P. Eng.

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NORTH BURNABY 2, B. C.

Telephone: 299-9596

B-1 Group, Quesnel, B. C.

March 16, 1965

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**Department of
Mines and Petroleum Resources
ASSESSMENT REPORT**

NO. **628** MAP.....

E. G. S.
"GEOMAG"

REPORT

March 16, 1965

This is a Geomag Geophysical Report, No. 131-119 constituting the second report on the B-1 Group, Quesnel, B.C. Coast Silver Mines Limited.

SURVEY STATISTICS

This "Geomag" Survey #2 is an extension of a survey done in October 17, through November 6, 1964, on the group of claims known as the B-1 Group. The group of claims are located along the Gerimi Creek, which flows into the Quesnel River, approximately fifteen miles southwest of Quesnel, within the 52° North, 122° West quadrangle. ^{East?}

This extension of the Geomag Survey commenced on January 23, 1965 and concluded on February 10, 1965. During that time 222 setup readings were made over 191 stations, including stations 500 - 691 inclusive. The lines were cut and staked by Coast Silver Mines Ltd. personnel. They consisted of sixteen lines with a direction of approximately N60W and four lines with a direction of approximately N30E. The footage surveyed for this extension was 37,602' uncorrected or 37,517.7' corrected for slope distances.

Work distribution included -

8 man days surveying,

8 man days helping surveyor,

5 man days travel and setting up camp,

4 man days field office,

12 man days stand-by,

—

37 Total Field Man Days.

23 Man Days preparation of report, interpretation and plans,

—

60 Total Man Days

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The totals for the completed survey are 719 setup readings, 615 stations, and 113,342' surveyed, or twenty-one miles, 1,462 feet.

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INTERPRETATION & PRESENTATION

Plan 131-119-1 is a surface plan showing surface features and reference points surveyed by Electronic Geophysical Surveys' personnel.

The variations in the magnetic components measured by the Geomag System are presented in two forms. Plan 131-119-2, the first presentation, constitutes a Vector Plan indicating the direction and amplitude of the magnetic components over a local mean normal. Linear strike features are determined from the vectors as linear anomalies. The vector units indicated in the legend, approximate minutes of a degree.

The second presentation is shown on Plan 131-119-3, indicating resistive anomalies made up from profiles, the "anomalies" are indicated by their relative importance. The areal anomalies consist of the low resistance contours associated with mineralization, whereas the higher resistance are of less significance and are not individually identified.

GENERAL

The Vector Plan 131-119-2, includes the linear anomalies and the magnetic anomalies. The Plan 131-119-3, indicates the low resistive areal anomalies and their relation with the linear anomalies.

Referring to Plan 131-119-3, the westward addition to the Survey No. 119, disclosed an important linear anomaly, L-5 showing a strong structural influence at the north end (Station 551) on Line 'C', and at Line 'H', near Station 164. The linear anomaly L-1A appears to be associated with the limestone contact and may represent the boundaries of the limestone. The many striking areal anomalies, B-1 through to B-7, form a complex pattern. The inner hatched 20 contours of the areal anomalies show the areas of lowest resistance.

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These anomalies are shown with the outline indicating the total area of low resistance with the lowest resistance portion hatch contoured within this outline.

The most anomalous area seems to exist between the linear anomalies L-2A and L-3A, although the anomaly B-4 extends up to the northwest and seems to be within the limestone contact. There appears to be three centers of activity, the most southerly center of the anomalous condition is in the vicinity of station 393, between B-1 and B-6 which also is on a magnetic high. It would appear that L-3A and L-4A converge in this vicinity and it is probably highly abbreviated. There appears to be a boundary on the southern anomaly, B-1, B-6, that extends southwesterly through 290, 570, 311 to 362, with the low resistance being on the west or northwest side.

The second active area is in the vicinity of B-7 and may show signs on the surface as far north as 551, in the vicinity of the magnetic high.

The third anomalous area is on the B-5 anomaly in the vicinity of the magnetic high, however, this does not show much chance of surface indications as there appears to be fair depth to the anomaly. The anomaly B-4 appears to be fairly deep, and is not clearly defined by any structural support. The northeast portion may possibly be directly related to the L-1A linear anomaly.

SUMMARY

The southern anomaly B-1, B-2 and B-6 maintain continuous northeast, southwest strikes until reaching the linear anomaly L-5A. This also applies to B-7. It also should be noted that there is a noticeable smoothing of the background influence north of L-2A. The L-3A strike is assumed between the stations 300 and 325, and may be incorrect. There appears to

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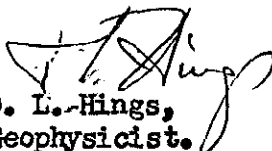
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be low resistance on the eastern end of this L-3A line. Generally speaking, there would appear to be more magnetite involved in the southeastern portion as the readings here are considerably stronger than elsewhere. The readings in the vicinity of B-7 seem to be associated with L-5A and near the surface. There also seems to be close to the surface indications on L-5A near station 164. There is no indication of L-5A extending south of station 575 or north of station 670. (L-2A)

The west and southwest portion of the survey indicates results that warrant geological investigation which could be extended to the remaining part of the property as circumstances warrant.

ELECTRONIC GEOPHYSICAL SURVEYS LIMITED


D. L. Hings,
Geophysicist.

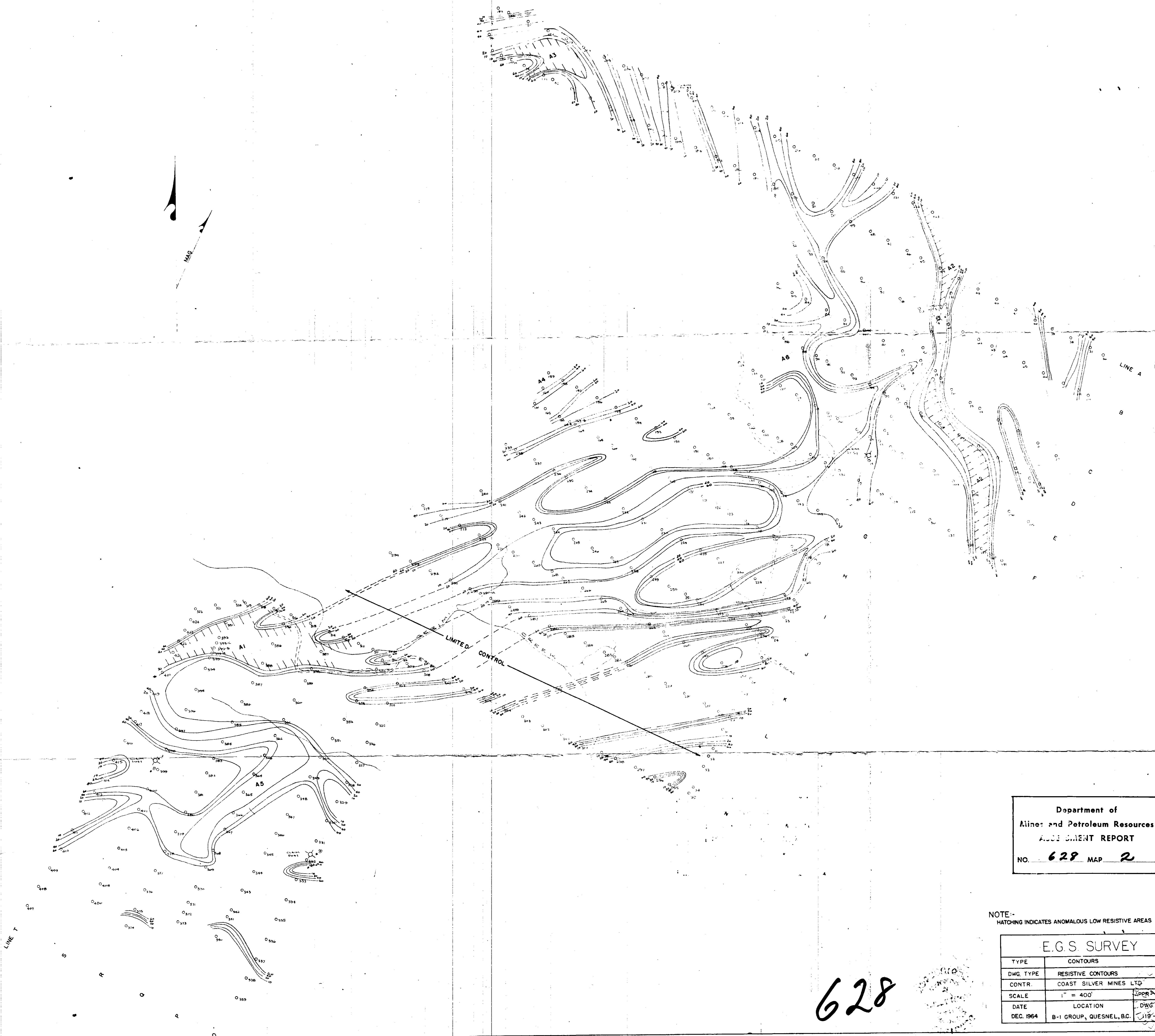


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NOTE:-
CLAIM LOCATION REFERENCE PLAN -
COAST SILVER MINES LTD. CLAIM GROUP SKETCH DATED SEPT. 1964.

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E.G.S. SURVEY		
TYPE	CONTOURS	
DWG TYPE	SURFACE CONTOURS & CLAIM LOC.	
CONTR.	COAST SILVER MINES LTD	
SCALE	1" = 400'	APPR 7/64
DATE	LOCATION	DWG NO.
MARCH, 1964	B-1 GROUP, QUÉSNEL, B.C.	131-119-1

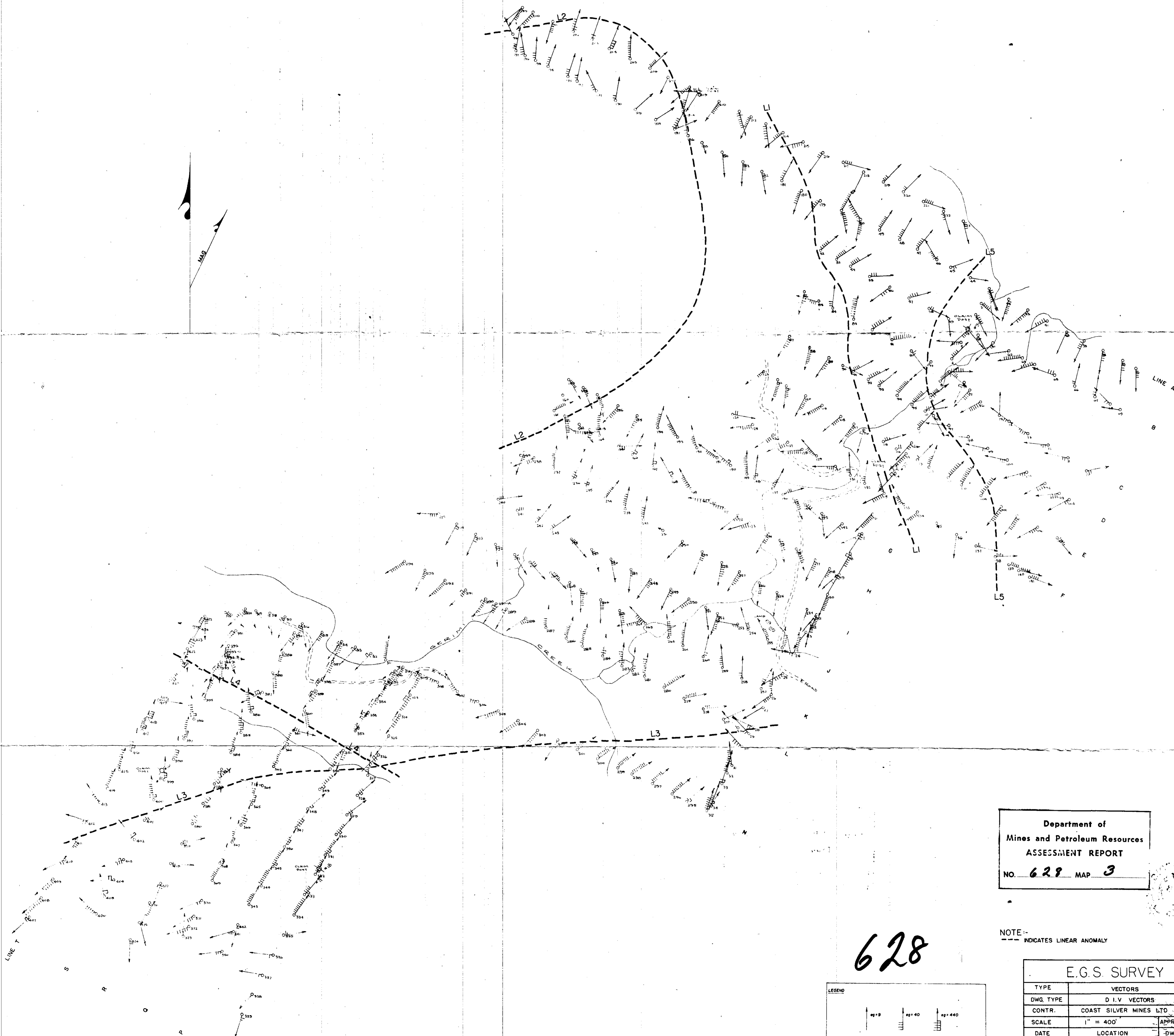


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NOTE:-
HATCHING INDICATES ANOMALOUS LOW RESISTIVE AREAS

E.G.S. SURVEY		
TYPE	CONTOURS	
DWG. TYPE	RESISTIVE CONTOURS	
CONTR.	COAST SILVER MINES LTD.	
SCALE	1" = 400'	
DATE	LOCATION	DWG. NO.
DEC. 1964	B-1 GROUP, QUESNEL, B.C.	119-2

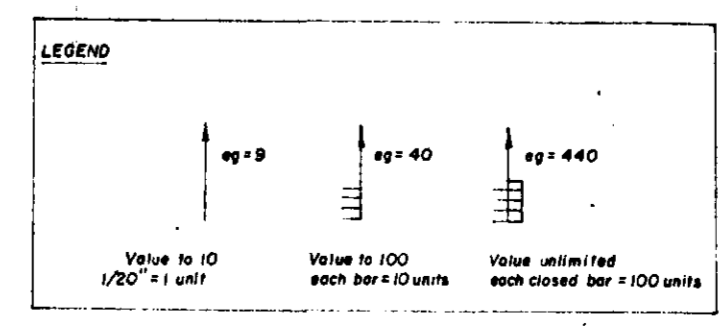
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NOTE:-
--- INDICATES LINEAR ANOMALY



E.G.S. SURVEY	
TYPE	VECTORS
DWG. TYPE	D I.V. VECTORS
CONTR.	COAST SILVER MINES LTD
SCALE	1" = 400' APPR. <i>[Signature]</i>
DATE	LOCATION
NOV. 30, 1964	B-1 GROUP, QUESNEL, B.C.
	DWG. NO. 119-3