

625

GEOMAG GEOPHYSICAL REPORT  
of the  
JAY GROUPS 1 - 8, SKUHUN CREEK, B. C.  
50° North - 121° West  
for  
KAMLOOPS COPPER CONSOLIDATED LTD.  
January, 1965  
92I/6E  
D. L. Hings, P. Eng.

Electronic Geophysical Surveys Limited,  
250 South Fell Avenue,  
North Burnaby 2, B. C.

Telephone: 299-9596

E. G. S.  
**"GEOMAG"**  
REPORT

Report No. 126 - Jay Group 1 - 0

January 27th, 1965

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Department of  
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ASSESSMENT REPORT

NO. 625 MAP .....

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This is a Geomag Report No. 126 - Jay Group,  
Skuhun Creek, B. C. of the Kamloops Copper  
Consolidated Property, January, 1965.

January 27, 1965

BRIEF STATISTICS

The type of instrumentation used on this survey was the Geomag  
Theodolite Magnetic Component Vectoring System.

The major portion of this survey was located on Claims 1 - 6 of  
the Jay Group. These claims are located approximately fifteen miles south-  
east of Spences Bridge, on the north side of Skuhun Creek. The Geomag  
Survey was conducted over 52,052 feet of line, cut and staked by Kamloops  
Copper Consolidated Ltd. personnel. The location of claims with reference  
to the Geomag Survey Stations are shown on Plan No. 126-1. The claim  
locations were taken from a plan submitted by Kamloops Copper Consolidated  
Ltd. to Electronic Geophysical Surveys Limited.

The survey commenced on December 1st, 1964. Due to adverse weather  
conditions, work was stopped on December 18th, 1964. On January 7th to 13th,  
1965, conditions permitted E.G.S. Survey Crews to complete the survey. The  
survey consisted of 52,052 feet of line surveyed with a total of 386 setup  
readings made over 326 stations.

E. G. S. work distribution -	4 1/2	man days travel
	16	man days surveying
	6	man days staking
	3	man days field office
	<u>29 1/2</u>	Total Field Man Days
	<u>25</u>	Man Days Interpretation
	<u>54 1/2</u>	Total

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The claims covered in the Geomag Survey are shown on the enclosed drawing 126-1 and include the traverse lines, station locations, and surface contours in accordance to the survey requirements. A linear anomaly is indicated by L-4 extending from the south end of the survey for approximately 2,000 feet to the north.

The results of the survey are interpreted in two forms, wherein the drawing 126-2 indicates the vector presentation and show the nonuniformities from geological structure. Drawing 126-3 is by resistive contours from the interpretation of the low resistance anomalies with the contours identified in their relative order of importance.

INTERPRETATION

The surface contour plan 126-1 shows the contour influence from L-4 linear anomaly, which would appear to be a dyke formation of some prominence. Referring to the Vector Plan 126-2, the linear anomalies, and their area of influence are indicated by the vector variations from the mean normal for the area. The most influential structure is shown as L-1, having a northwest - southeast strike. The northwest area in the vicinity of L-3 is strongly magnetically polarized, suggesting the L-3 strike is directly related to magnetic intrusives. The L-2 strike paralleling L-1 to the north, is much less prominent than L-1, but does seem to hold its identity over the area indicated, and seems to be relevant to the areal anomalies. L-5 in the northern portion of the survey, has a similar northwest - southeast strike, upheld with substantial vectors.

The areal anomalies referred to in our plan 126-3 are shown with the linear anomalies, in order that the geologist may better assess their related importance. The anomaly A-1 follows the linear anomaly L-1 very

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closely on the north side. It is interesting to note that A-1 commences approximately on the strike of L-4. It is also of interest that the areal anomalies A-1, A-2, A-3 and A-4 appear to exist within the bounds of L-1 and L-2. It is evident there has been faulting along L-4 at the L-1, L-2 crossover.

From the geological information supplied, it would appear some of the narrower areal anomalies are indicating possible mineralization within dykes, that have a northwest - southeast strike.

CONCLUSIONS

The main linear anomaly L-1 and its' associated low resistance zones including A-1, A-3 and A-5, appear to be at considerable depth. The anomalies A-2 and A-4 in the highly polarized magnetic zone do not appear to have equally deeper indications, although this is hard to determine with the strong influence of the L-3 polar readings that extend close to the surface.

The linear anomaly L-5 in the north is apparently near the surface, and the associated anomaly A-6 appears to be diamagnetic, indicating possible nonmagnetic mineralization in contrast to the A-2, A-4 anomalies.

The area generally is highly anomalous with near vertical shears. The association of the low resistive zones, (usually associated with mineralization), within the limits of linear shear strikes warrants geological investigation.

Details of such an investigation should be predetermined by consultations between those involved.

ELECTRONIC GEOPHYSICAL SERVICES LIMITED

  
D. L. Kings, P. Eng.

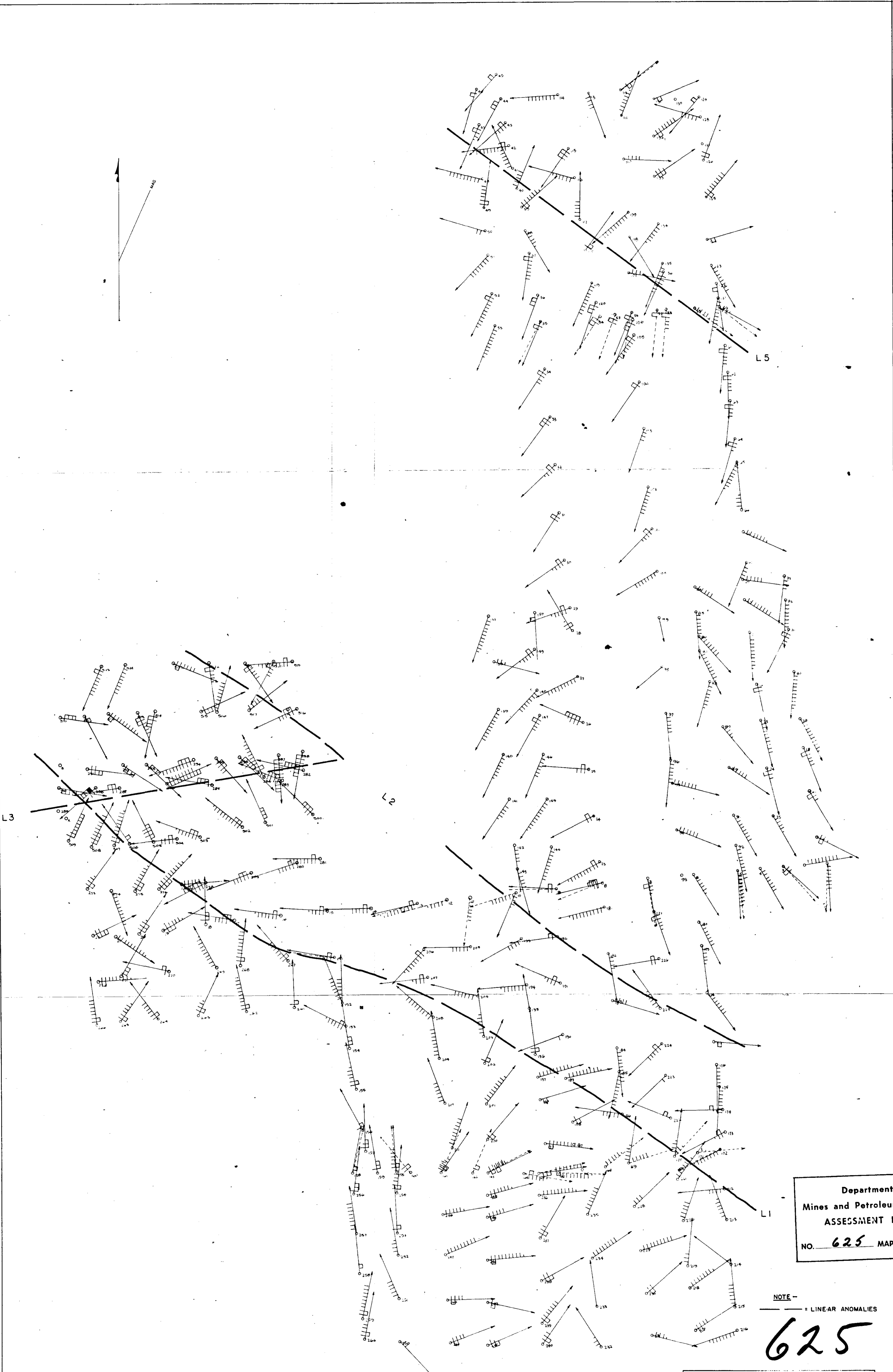
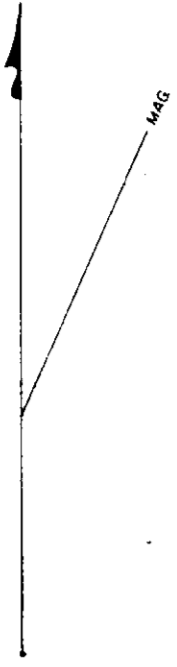


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NOTE:  
CONTOUR INTERVAL 50 FEET  
= LINEAR ANOMALY  
CLAIM LOCATIONS APPROX. ONLY  
TAKEN FROM K.C.C. LTD. PLAN  
DATED OCT. 15, 1964

E.G.S. SURVEY		
TYPE	CONTOUR	
DWG TYPE	SURFACE CONTOURS	
CONTR.	KAMLOOPS COPPER CONSOLIDATED(1964)LTD.	
SCALE	1" = 200'	APPR.
DATE	LOCATION	DWG. NO.
JAN. 1965	JAY GROUP SKUHUN CREEK, B.C.	126-1

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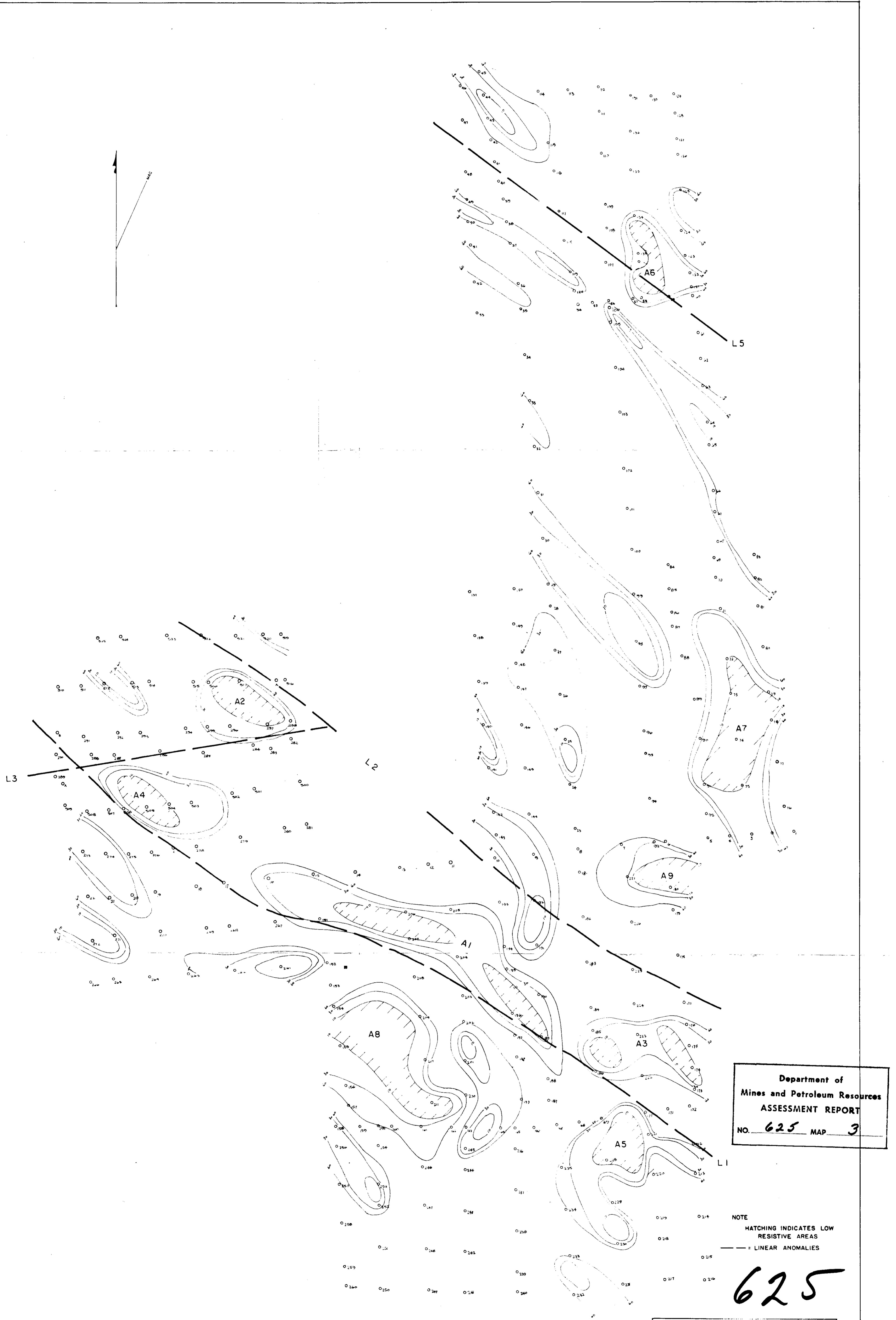
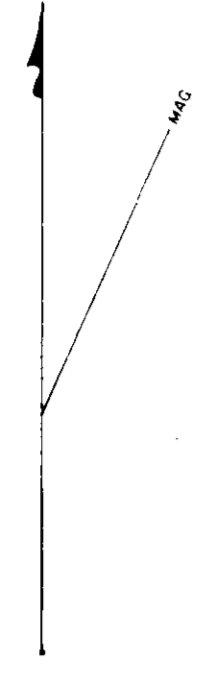
NOTE -  
= LINEAR ANOMALIES

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LEGEND

Value to 10 1/10" = 1 unit	Value to 100 each bar = 10 units	Value to 1000 each solid bar = 100 units	Value unlimited each solid bar = 1000 units

E.G.S. SURVEY	
TYPE	VECTOR
DWG TYPE	D.I.V. VECTORS
CONTR.	KAMLOOPS COPPER CONSOLIDATED (1984) LTD.
SCALE	1" = 200' APPR.
DATE	JAN, 1965
LOCATION	JAY GROUP SKUHUN CREEK, B.C.
DWG. NO.	126 - 2



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NOTE  
 HATCHING INDICATES LOW  
 RESISTIVE AREAS  
 --- = LINEAR ANOMALIES

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E.G.S. SURVEY		
TYPE	CONTOURS	
DWG TYPE	RESISTIVE	
CONTR.	KAMLOOPS COPPER CONSOLIDATED(1964)LTD.	
SCALE	1" = 200'	APPR.
DATE	LOCATION	DWG. NO.
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