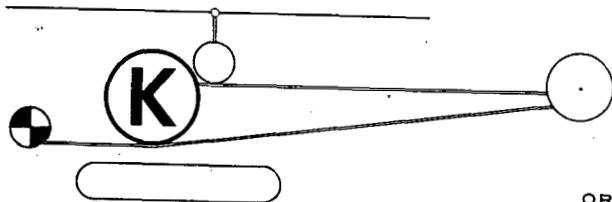


KLYCEPTOR GEOPHYSICAL REPORT
NO. 69-103
BLUENOSE, KAL & CYE CLAIMS GROUP
50° N.- 119° W.
FOR TRANQUILLITY EXPL. LTD. (NPL)
5 MILES N OF SICAMOUS, B.C.
AUGUST 25 TO SEPTEMBER 23, 1969

BY D.L. HINGS, P.ENG.

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2021
KLYCEPTOR
INTERNATIONAL AIR SURVEYS LTD.

ORIGINATORS OF GEOELECTROMAGNETIC SURVEYS BY AIR
CUSTOM GEOPHYSICAL INTERPRETATIONS

September 23rd, 1969.

KLYCEPTOR GEOPHYSICAL REPORT NO. 69-103 COVERING A MAGNETOMETER
GROUND SURVEY OF THE BLUENOSE, KAL AND CYE CLAIMS FOR TRANQUIL-
LITY EXPLORATIONS LIMITED, NPL., SICAMOUS, B.C., AREA. AUGUST
25TH TO SEPTEMBER 23RD, 1969.

Purpose:

The purpose of this survey was to determine the location and configuration of any magnetic anomalous features within the Bluenose, KAL and CYE group of claims.

Instrumentation:

The survey was conducted with a Sabre Model 100, self-leveling vertical field fluxgate magnetometer. The instrument was operated by Mr. Norman Burhoe.

Location:

The survey was conducted over the Bluenose, KAL and CYE group of claims covering all or portions of KAL 2 and 3, Bluenose 2 and 3 and 9 to 12 inclusive, 20, 22 and 24 claims. A total of approximately 9 line miles of survey was completed.

The survey took place between the periods of August 25th and September 23rd, 1969 on the east shore of Shuswap Lake, approximately 5 miles north of Sicamous, B.C.

Geological Reference:

The geological reference was obtained from Memoir 296 of the Geological Survey of Canada covering the Vernon map area by A.G. Jones.

Presentation:

The survey grid as indicated on plan No. 69-103-M shows the grid lines extending east and west, with the control lines extending north and south. The survey includes approximately 9 miles of line with an average station spacing of 50 feet and an average line spacing of 200 feet. The profiles obtained from the readings are plotted on the plan, wherein the grid line becomes the baseline for the profile, representing a vertical field of 56,000 gammas. The scale of the profile is one inch to a thousand gammas with plus and minus readings as indicated on the plan.

The topography extending from the lake on the west has an increasing grade to the southeast, with an elevation differential of approximately 1,000 feet. It is interesting to note that the topographical anomalies derived from inclinometer readings show only a minor influence on the magnetic anomalies. The average grade on the grid lines is 25% with the steeper gradient extending along the west side in the vicinity of the lake.

Results:

The magnetic profiles have been interpreted into linear anomalous features which show a fair consistency of strike results.

The Strongest anomalous reading shown in the southwest region of the plan indicated as L1 is nearly perpendicular to the small shearing results having an east northeast trend.

The grid lines 0 and line 10 bracket the lines 2, 4, 6 and 8 in the center and western portion of the survey. This area shows disproportionate values between the northsouth control lines and the grid lines 0 and 10. The active portion of lines 2 and 4 were surveyed on August 28th and the lines 6 and 8 on August 29th. The standards showed a diurnal reversal of -340 gammas on August 28th (average +200) and would appear that the earth current activity was still well above average on August 29th. As a result of these inconsistencies it is believed these readings have been exaggerated, relative to the quieter magnetic conditions existing throughout the remainder of the survey.

The L2 and L4 anomalies are formed on the basis of the work done over a 3 day period and are therefore considered valid. The anomalies crossing the control line 11 including L5 and L6 are not substantiated sufficiently to be considered valid. The anomaly L7 appears to be valid and L8 seems to be consistent even through the disturbed area.

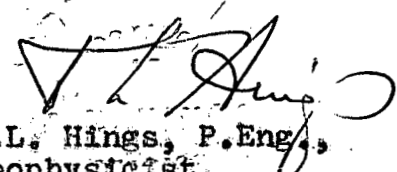
Conclusions:

The linear anomalies L2 to L6 inclusive show exaggerated readings created by magnetic conditions and therefore should be re-checked. This active area shows shearing and block-faulting influences with the magnetic anomalies being created principally from the induced field of earth currents. The L1 anomaly appears to be a valid magnetic reaction from a geological formation. The L2 anomaly appears to be valid on the south end also L7. This strike feature appears to be common to the fault strike of the area and L3 and L8 follow more closely to the shear strike of the area.

Recommendations:

It is recommended that further work be extended to the south to follow out the L1 anomalous conditions and at the same time lines 2, 4, 6 and 8 be re-run to validate this active area.

Recent advice shows these recommendations are belated as an extension of the survey now ^{is} underway and therefore further recommendations should be held pending the outcome of the second portion of this survey.


D.L. Hings, P. Eng.,
Geophysicist.

A STATEMENT OF COSTS FOR GEOPHYSICAL SURVEY NO. 69-103
COVERING THE BLUENOSE, KAL & CYE CLAIMS, NORTH OF SICAMOUS,
B.C. BY KLYCEPTOR INTERNATIONAL AIR SURVEYS LIMITED, AUGUST
25TH TO SEPTEMBER 23RD, 1969.

Survey Crew:

Norman Burhoe	16 days @ \$30.00	\$ 480.00	
Robert Peters	16 days @ \$22.20	\$ 355.20	
		<u>835.20</u>	

Plus 100 % Overhead		\$ 835.20	\$ 1,670.40
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Transportation:

Truck Rental	16 days @ \$10.00	\$ 160.00	
Mileage Charge	850 Miles @ 10¢ per Mi.	85.00	
Boat & Motor Rental	14 days @ \$14.00	<u>196.00</u>	\$ 441.00

Living Costs:

Motel	14 days @ \$10.50	\$ 147.00	
Meals	32 man days @ \$6.00	<u>192.00</u>	\$ 339.00

Equipment:

Magnetometer	16 days @ \$10.00	\$ 160.00	
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Data Processing and Drafting:

D.A. Cramer	6 days @ \$40.00	\$ 240.00	
Plus 100 % Overhead		<u>240.00</u>	\$ 480.00

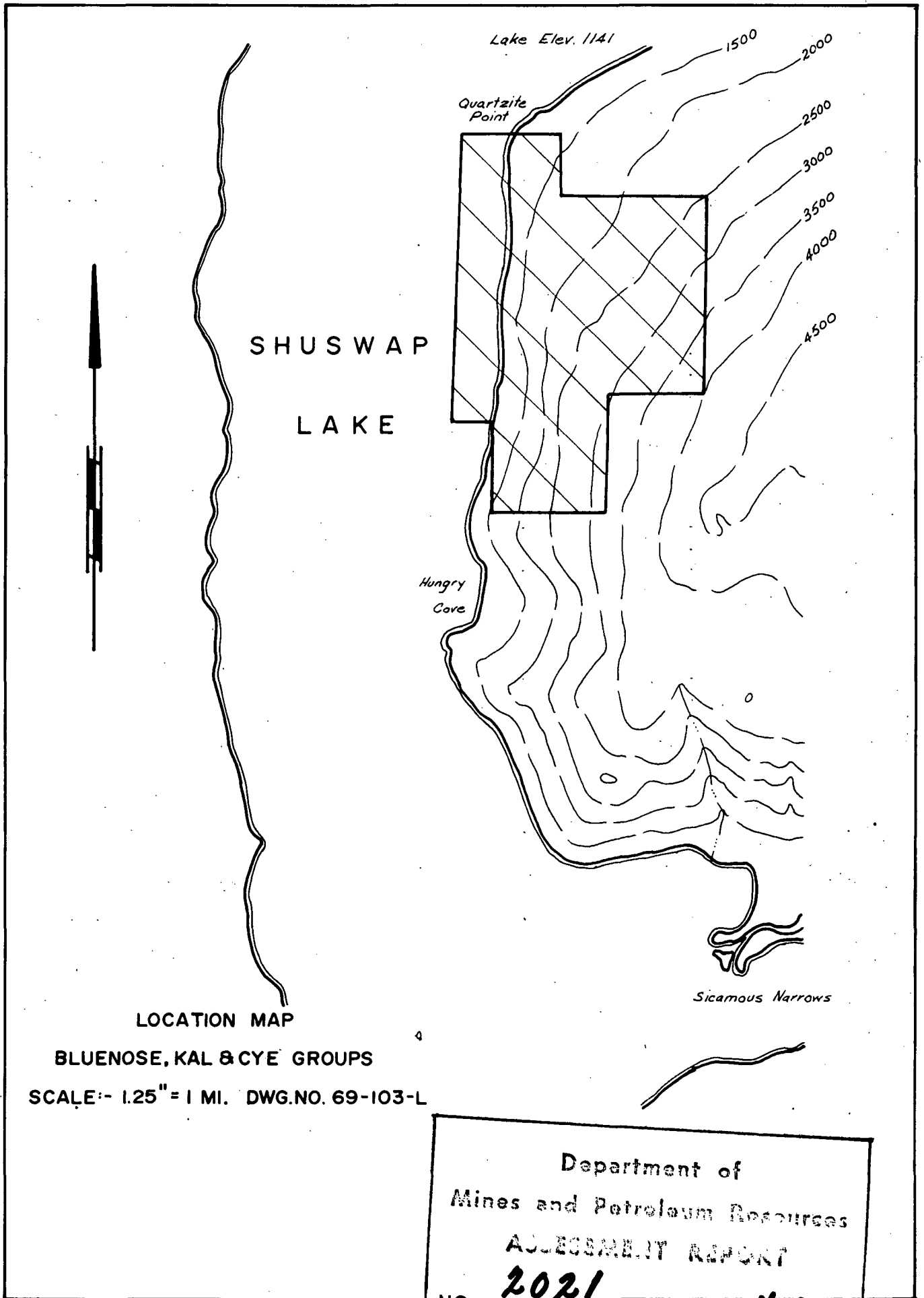
Interpretation and Report:

D.L. Hings, P.Eng.		\$ 250.00	
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Declared before me at the City
of Vancouver, in the
Province of British Columbia, this 26
day of September 1969, A.D.

J.M. McEwen

\$ 3,340.40



SHUSWAP
LAKE

Lake Elev. 1141

Quartzite
Point

Hungry
Cove

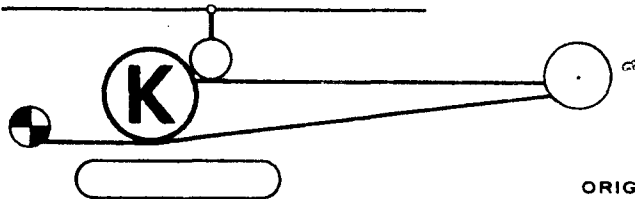
Sicamous Narrows

LOCATION MAP

BLUENOSE, KAL & CYE GROUPS

SCALE:- 1.25" = 1 MI. DWG.NO. 69-103-L

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
2021
NO. MPD #1



**KLYCEPTOR
INTERNATIONAL AIR SURVEYS LTD.**

ORIGINATORS OF GEOELECTROMAGNETIC SURVEYS BY AIR
CUSTOM GEOPHYSICAL INTERPRETATIONS

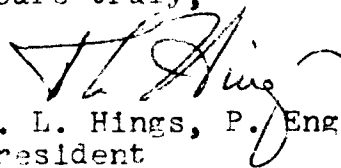
October 29th 1969

TO WHOM IT MAY CONCERN:

Please be advised Mr. Norman Burhoe joined our staff as a survey assistant in February 1969. He is 22 years of age, a Canadian citizen. He joined us from his previous employer, Anaconda American Brass Ltd. with strong recommendations from his supervisor, Mr. Tom Conto, Geophysicist.

After six months in the field under the supervision of Mr. Ron Reece of our company, Mr. Burhoe operated the vertical fluxgate magnetometer in the field for Klyceptor International Air Surveys Ltd. We have found Mr. Burhoe quite reliable and conscientious.

Yours truly,


D. L. Hings, P. Eng.
President

DLH/bb

This is report No. 69-103
For Tranquillity Explorations Limited,
NPL, in the Area of Sicamous, B.C.,
August 25th to September 23rd, 1969.

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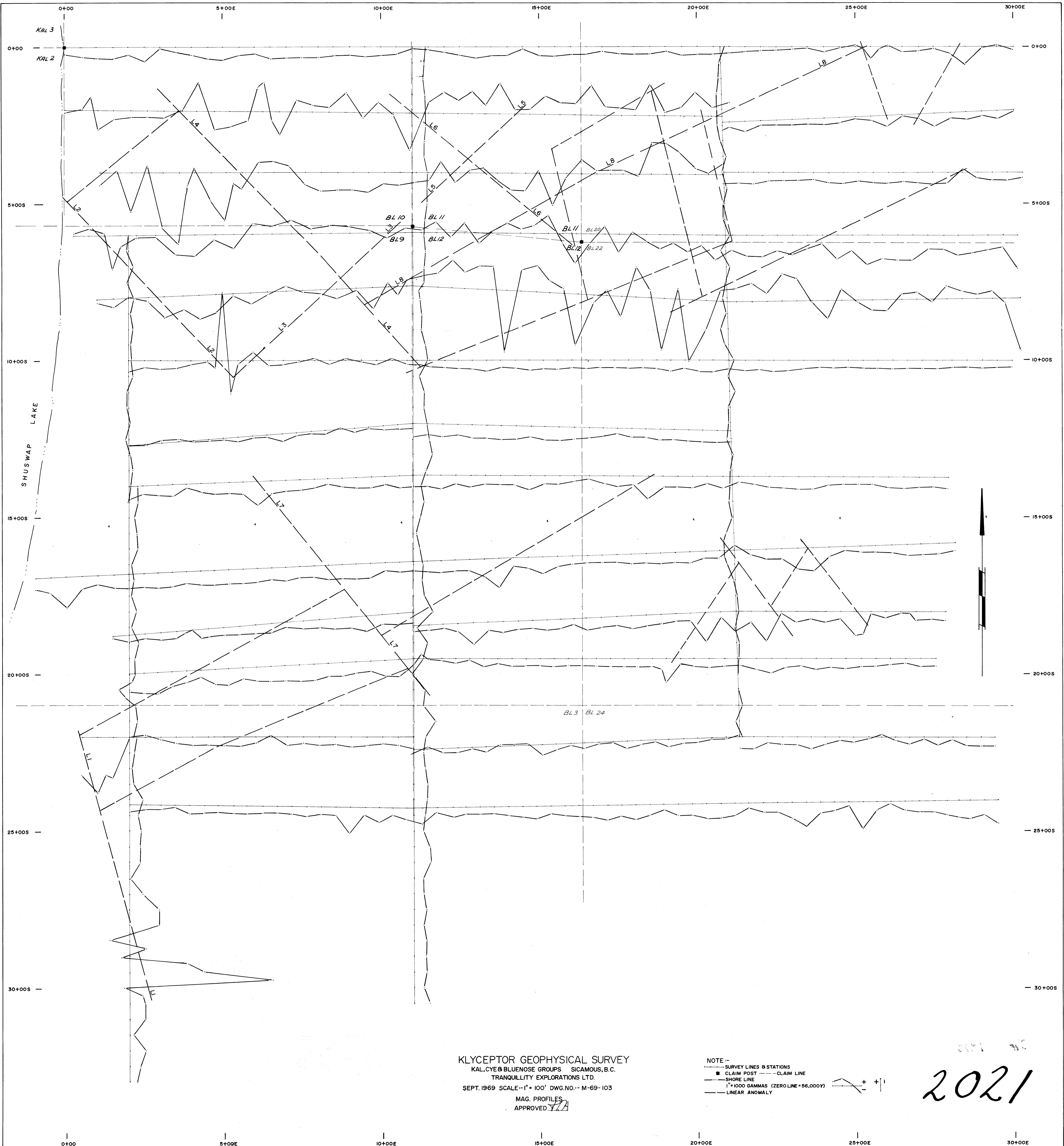
PLANS

Location Plan	69-103-L
Magnetic Profiles	69-103-M

KLYCEPTOR INTERNATIONAL AIR SURVEYS LIMITED,
250 NORTH GROSVENOR AVENUE,
BURNABY 2, B.C.

TEL: 298-9619

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. **2021** MAP.....



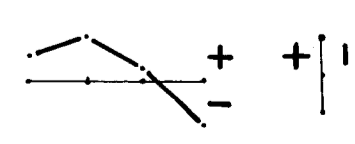
KLYCEPTOR GEOPHYSICAL SURVEY

KAL, CYE & BLUENOSE GROUPS SICAMOUS, B.C.
TRANQUILITY EXPLORATIONS LTD.

SEPT. 1969 SCALE: 1" = 100' DWG. NO. M-69-103

MAG. PROFILES
APPROVED: *[Signature]*

NOTE:-
 - - - SURVEY LINES & STATIONS
 ■ CLAIM POST
 - - - CLAIM LINE
 - - - SHORE LINE
 1" = 1000 GAMMAS (ZERO LINE = 56,000γ)
 - - - LINEAR ANOMALY



2021