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ELC GEOPHYSICS LTD.

REPORT NO. M-72-203

HH, BUNNY, MIX, 2-WAY

CLAIMS GROUP

3 MILES S.E. OF ASPEN GROVE, B.C.

50° N - 120° W

FOR ASPEN GROVE MINES LTD.

APRIL 25, 1972 to JUNE 6, 1972

by D.L.HINGS, P.ENG.

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This is ELC Geophysics Ltd. Report No. M-72-203  
HH, BUNNY, MIX AND 2-WAY Claims Group  
for Aspen Grove Mines Ltd.  
3 miles Southeast of Aspen Grove, B.C.  
April 25, 1972 to June 6, 1972  
50°N - 120° W

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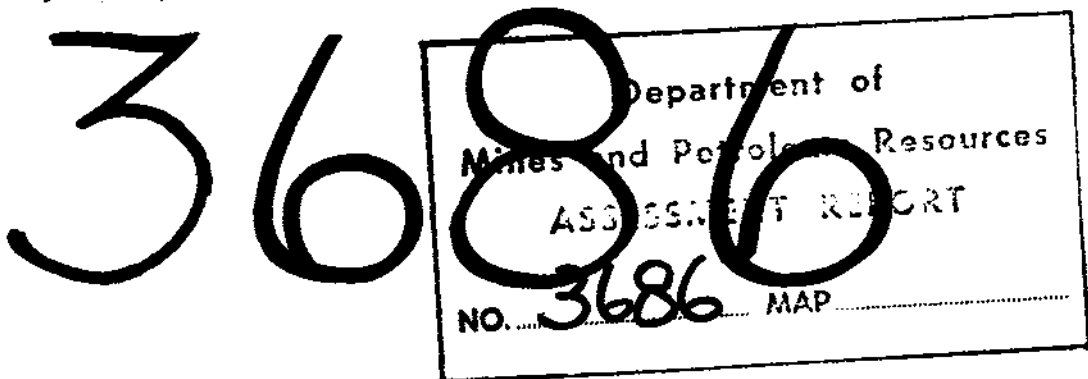
PLANS

#2 Magnetometer Profile Plan	M-203-72
#1 Location Plan	M-203-72-L

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Burnaby 2, B.C.

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ELC GEOPHYSICS LTD. REPORT NO. M-72-203 OVER THE HH,  
BUNNY, MIX AND 2-WAY CLAIMS GROUP, 3 MILES SOUTHEAST  
OF ASPEN GROVE, B. C. FOR ASPEN GROVE MINES LTD.  
APRIL 25, 1972 to JUNE 6, 1972. 50° N - 120° W.

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## Purpose:

A magnetometer geophysical survey was conducted over the Aspen Grove Mines property to determine the location of anomalous features that might support and delineate in some detail areas of interest derived from previous surveys over this property.

## Instrumentation:

A vertical field fluxgate type, self-levelling magnetometer model M-100 manufactured by Sabre Electronics Ltd. of Vancouver, B.C. was used throughout the survey.

## Geological Reference:

R.E. Renshaw, P.Eng. Geological Report,  
January 19th, 1964.

Dr. A.E. Aho, Geological Report May 15th,  
1964 (3-Way) Copper Property, Aspen Grove Mines Ltd.

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Location:

The HH, MIX, BUNNY and 2-Way claims group of the Aspen Grove Mines Ltd. is located approximately 3 miles southeast of Aspen Grove, B.C. immediately east of Highway 5. See location map No. M-203-72-L. Lat. 50°N Long. 120°W.

Personnel:

The magnetometer survey was conducted by K. Pettersen and W. Mather.

Presentation:

The magnetometer survey values are presented in profile form in drawing No. M-203-72 and are essentially over the same area as presented in Klyceptor Geophysical Survey Co, Report No. EM-70-103, an electromagnetic survey conducted with a geochemical survey in 1970. The new grid does not precisely follow the earlier grid.

Results:

The interpretation of the profiles is shown on drawing No. M-203-72 indicating linear magnetic anomaly strike features with the northwest-southeast anomalies, indicated by the letters ML and the north-

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east-southwest striking anomalies, indicated by the letter M.

A large fracture zone is shown in the confines of the contour A1 with the principal magnetic linear feature ML1 forming the strongest anomalous feature within the bend of the A1 anomaly. The southern portion which includes the linear anomalies M1, M1A, M2, M3 and M4 extending between the magnetic linears ML1 and ML7, coincide with copper enrichment shown on the 1970 geochem plan on line 14 of report EM-70-103-G. Some enrichment was also encountered on line 17N at the intersection of ML1, ML3 and M1A. The ML3 linear also showed enrichment on line 21N. The geochem reconnaissance survey did not cover line 11, 12, 13, 15, 16, 18, 19, 20, 22 and 23 N.

The northwest-southeast strike in the upper portion of the A1 shear zone is most anomalous on the southeast end of ML1, ML2, ML3 and ML4.

The linear anomalies on lines 25N to 30N indicate a structural feature along the strike of the linear anomaly ML6 and M8. There is some indication of copper enrichment from the geochem survey on line 25N on the south end of ML6 and M9. M9 also goes into the area of increased enrichment on line 30N. The large

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anomalous area that includes ML6, M7 and M8 is not supported on lines 28N and 30N by geochem enrichment. The small magnetic linear M12 is in the vicinity of geochem enrichment on line 30N.

Conclusions:

The A1 area has the strongest anomalous features and coincides with previous geochem work for copper determinations, below line 21N. The southeast end of the ML6 linear anomaly follows the junction between the perpendicular M anomalies and the paralleling ML anomalies. This is the area of particular interest resulting from these geophysical surveys.

The relatively clearly defined linear anomalies in the northeast portion of the survey follow more closely to some of the earlier EM work but do not extend far enough north to be coordinated with the geochem.

Recommendations:

The extension of the A1 area over the previous Z1 zone of the reconnaissance geochem survey

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would indicate that the geochem survey, stepped over a large portion of this area. It is therefore recommended that a detailed geochem cover the A1 area.

  
D.L.Hings, P.Eng.

A statement of Costs for ELC Geophysics Ltd. Report No. M-72-203  
 Covering the HH, BUNNY MIX & 2-WAY Claims Group  
 Three miles southeast of Aspen Grove, B.C. 50°N-120°W.  
 For Aspen Grove Mines Ltd.  
 April 25 to June 6, 1972

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Field Crew

K. Pettersen	6 days @ 45.00	270.00	
W. Mather	7 days @ 45.00	<u>315.00</u>	585.00

Transportation

4 x 4 Truck 6 days @ 12.00	72.00	
800 miles @ 12¢	<u>96.00</u>	168.00

Living Costs

Motel	5 days @ 12.00	60.00	
Food	12 mandays @ 5.00	<u>60.00</u>	120.00

Equipment

Magnetometer	6 days @ 10.00	60.00	
Misc. Supplies	6 days @ 5.00	<u>30.00</u>	90.00

Plotting & Drafting

R.L. Reece	2 days @ 60.00	120.00	
D.A. Cramer	1 day @ 60.00	<u>60.00</u>	180.00

Interpretation & Report

D.L. Hings, P.Eng.			
1 1/2 days @ 120.00			<u>180.00</u>

\$ 1323.00

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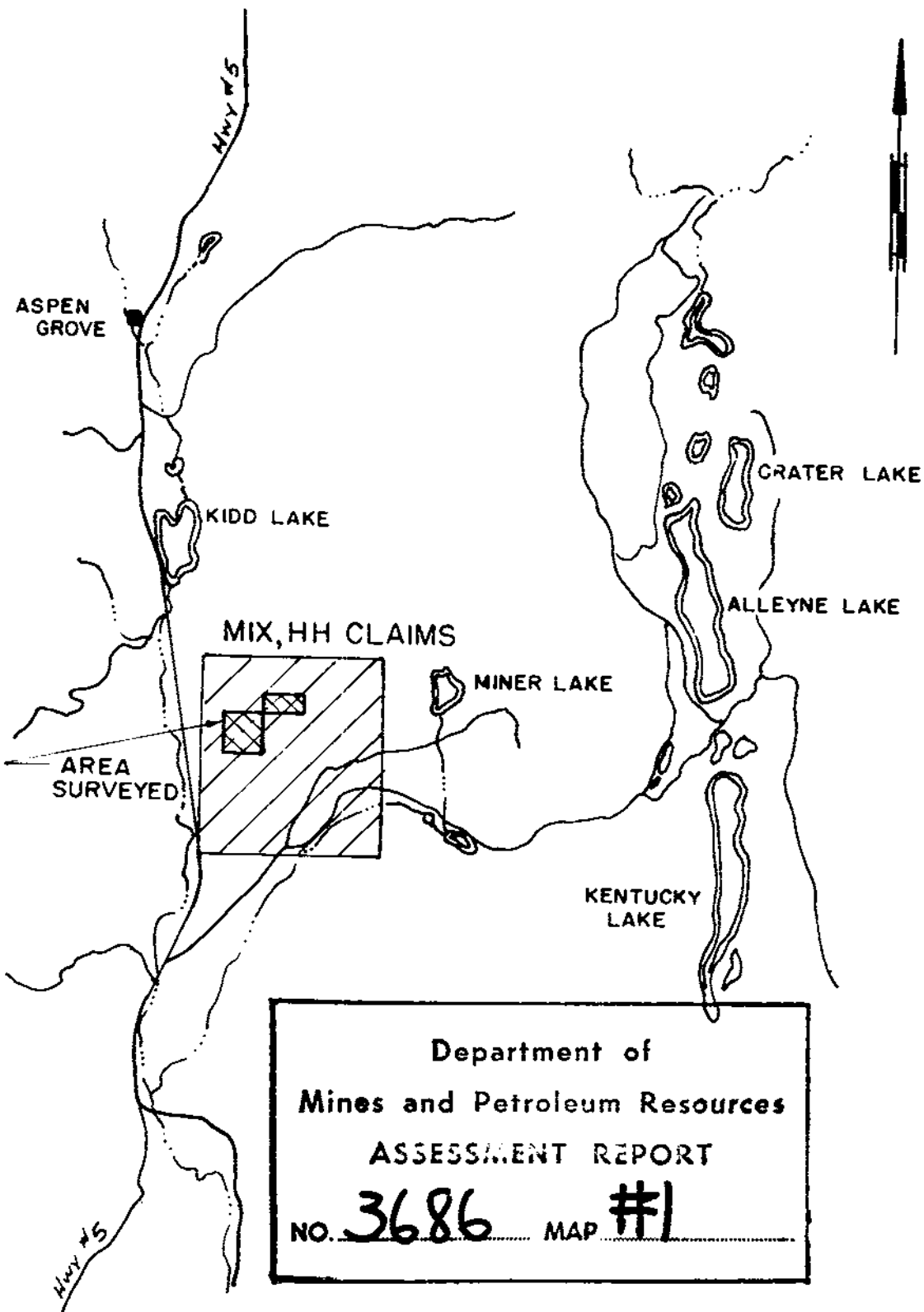
MIX, HH CLAIMS

ASPEN GROVE, B.C.

ASPEN GROVE MINES LTD

JUNE 1972 SCALE 1" = 0.8 MI. DWG. NO. M-203-72-L

LOCATION PLAN



*J. L. Higgins*

20+00W

10+00W

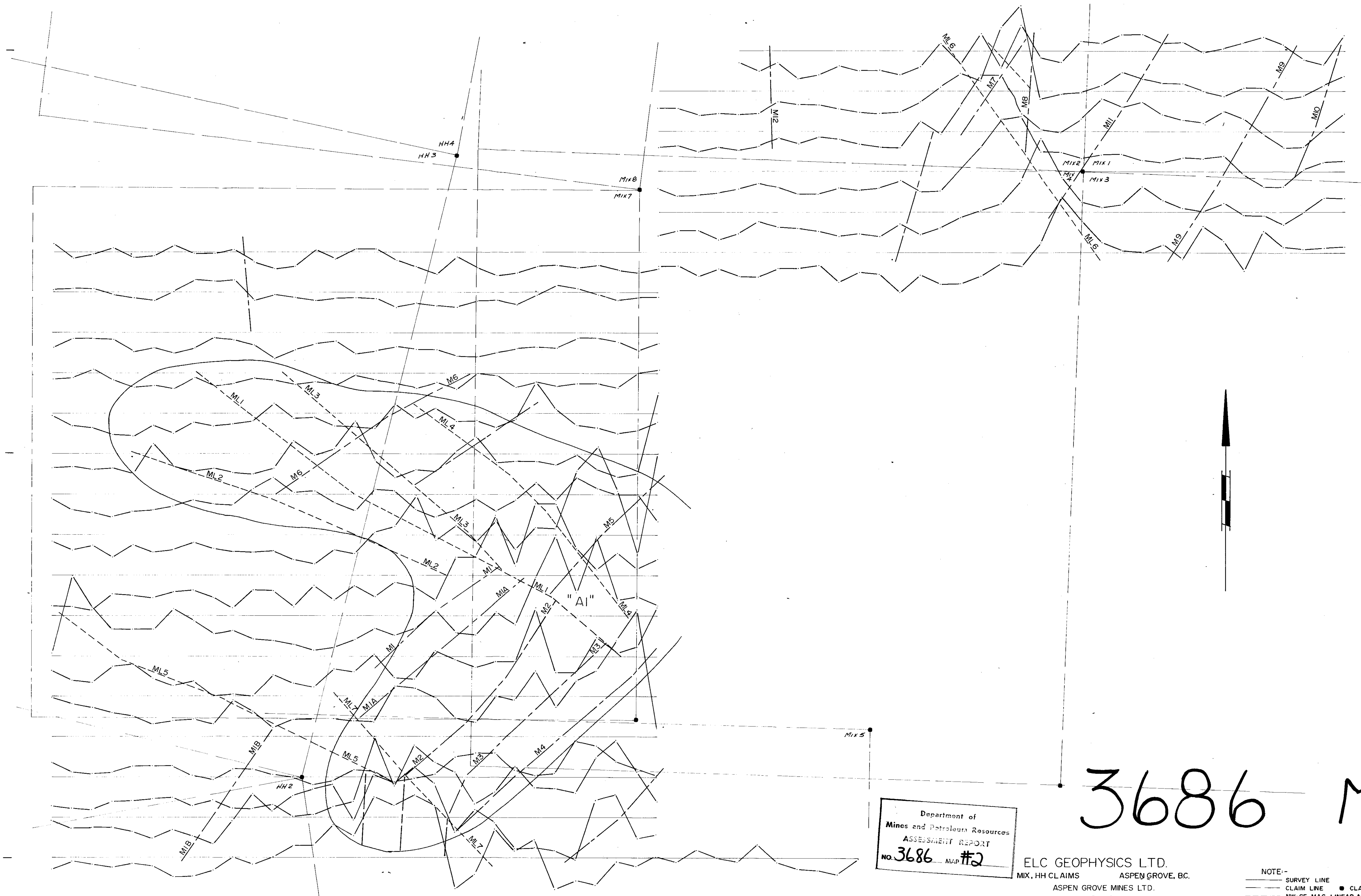
0+00

10+00E

30+00N

20+00N

10+00N



3686 M-2

Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT  
NO. 3686 MAP #2

ELC GEOPHYSICS LTD.  
MIX. HH CLAIMS ASPEN GROVE, BC.  
ASPEN GROVE MINES LTD.  
JUNE 1972 SCALE: 1"=100' DWG. NO. M-203-72  
MAG. PROFILES  
APPROVED *[Signature]*

NOTE:-  
SURVEY LINE  
CLAIM LINE ● CLAIM POST  
- - - - - NW-SE MAG. LINEAR ANOMALY  
- - - - - NE-SW MAG. LINEAR ANOMALY  
FRACTURE ZONE  
1" = 500 GAMMAS (ZERO LINE #54,500 GAMMAS)