

EXPLORATION OF LINC CLAIMS, 1973
FOLLOW-UP OF TRANSVERSE PROJECT,
MOYIE AREA

002570

Southeastern British Columbia

N.T.S. 82F1

116°15' West Longitude

49°10' North Latitude

by

Pilsum P. Master

*File with K1D3
082FSE013
(also 082FSE002)*

Date: March 1974

PROPERTY FILE

82FSE 02, 13

82F GENERAL-07

Nelson mining DIV.

Peterson Creek, close to boundary
of KID STAR (082FSE002)
082FSE013

Owned: Union miniere Expl. + Mining Corp. Ltd.

forfeited: March 1974.

UMEX

UNION MINIERE EXPLORATIONS
AND MINING CORPORATION LIMITED .

SUITE 200 - 4299 CANADA WAY
BURNABY, B.C. V5G 1H4

TELEPHONE 437-9491

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INTRODUCTION

Location

The Linc claim group is located in the East Kootenay area of southeastern British Columbia in N.T.S. quadrant 82F1/W.

Purpose of 1973 Exploration

During the reconnaissance of this region in 1972 a target was picked in this particular area because (1) it is in the Lower Helikian, Aldridge Formation (where most of the stratabound Pb-Zn deposits are found), (2) is close to an anticlinal axis (favorable for vein-type Pb-Zn deposit like St. Eugene), and (3) is in Cu and Pb-Zn metallogenic zones.

Examination of our 1972 field data showed (1) relatively high Pb-Ag values in soils and rocks, and (2) the close proximity of this anomaly to a known Pb showing. This was considered to be good ground for follow-up work.

Scope of 1973 Exploration

A team of four men, including a geologist, spent seven days in the area. They first staked 34 claims, a few of which are invalid because they were staked over an older valid claim block. This was followed by 42,000 feet of flagging lines, mapping, prospecting, soil and rock sampling, and magnetometer surveys using a McPhar M-700 Magnetometer.

GEOLOGY

The outcrops are relatively scarce but there seems to be two main rock types - a greenish massive to thin bedded quartzite and quartz-diorites and/or gabbros. The quartzites probably are part of the Aldridge Formation and the quartz-diorites and gabbros are the Moyie intrusions common in this area.

The quartzite is in places quite extensively stained by ocher to red iron oxides. A few gouge zones in the quartzites were observed in creek beds but these were not mineralized. The strike and dip of the quartzite is extremely variable, possibly due to intense to moderate deformation. No clear cut relationship was

observed between the quartzites and the quartz-diorites and gabbros, but from the known geology of the area it can be assumed that the diorites and gabbros are younger intrusives.

The Pb-Ag showing is just south of the legal claim boundary and it seems that some of the 1972 anomalous samples were taken on the edges of the showings. The showing was not examined but is reportedly disseminated galena in the quartzites particularly confined to the more silisic bands.

A zone similar to the above was found on our claims at about line 15S, 20W. Based on the soil and rock geochemistry this zone of relatively high Pb, Zn and Ag values can be traced northwest to line 15N, 28W and seems to follow a contact between Moyie diorite intrusives (mainly from boulder mapping) and the quartzites. The zone is 400 to 800 feet wide and 3000 feet long if continuous. Six rock grab samples give minimum and maximum values (atomic absorption) of 12 ppm and 77 ppm Pb and 0.5 ppm and 1.1 ppm Ag, respectively. No galena mineralization was observed.

GEOCHEMISTRY

For the rocks the following values are considered anomalous:

<u>Element</u>	<u>Background</u>	<u>May be Anomalous</u>	<u>Anomalous</u>
Pb	12 ppm	40 ppm	≥100 ppm
Zn	40 ppm	80 ppm	
Ag	0.5 ppm	≥1.0 ppm	

For the soils the break-up is as follows:

<u>Element</u>	<u>Background</u>	<u>May be Anomalous</u>	<u>Anomalous</u>
Pb	20 ppm	100 ppm	≥200 ppm
Zn	75 ppm	150 ppm	≥200 ppm
Ag	0.7 ppm	1 ppm	≥2 ppm

The above values were picked mainly by "eyeballing" the plot of values on Map 2 and Map 3, respectively.

It can be observed that except for a few zinc soil anomalies, there is only one major soil Pb, Zn, Ag anomaly that extends from line 15S, 12W-24W through line 0, 24W-32W, to line 15N, 22W-30W. This anomaly corresponds very closely to the rock geochemical anomaly mentioned in Geology.

MAGNETICS

Except for one abrupt change over 400 feet there are no changes in magnetic susceptibilities. This one change is over an outcrop of quartz diorite and is probably due to magnetite in the intrusive rock. All readings were taken along the grid lines 1500 feet apart and stations every 100 feet.

CONCLUSIONS AND RECOMMENDATIONS

The rock and soil geochemical anomalies are related and due to finely disseminated galena in banded Aldridge quartzites. The values of Pb and Ag, although anomalous, are still not of commercial grade and very likely this is an extension of the main showing south off our claims.

No further work is recommended on these claims.

Alfred A. Bengtson

for Pilsun P. Master

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UNION MINIERE EXPLORATIONS
AND MINING CORPORATION LIMITED

SUITE 200 - 4299 CANADA WAY
BURNABY, B.C. V5G 1H4

2680

TELEPHONE 437-9491

July 11, 1975

Dr. J. Garnett
Department of Mines & Petroleum Resources
411 - 617 Government Street
Victoria, B.C.
V8V 4S2

Dear Dr. Garnett:

Re: Report on Expired Linc Claims,
Nelson Mining Division, B. C.

The Linc 1-34 mineral claims located in the Nelson Mining Division, N.T.S. 82F1/W, expired in 1974. A report on the geology, geochemistry, and magnetics is attached. A total of about \$4000 including administrative charges was expended on the claims.

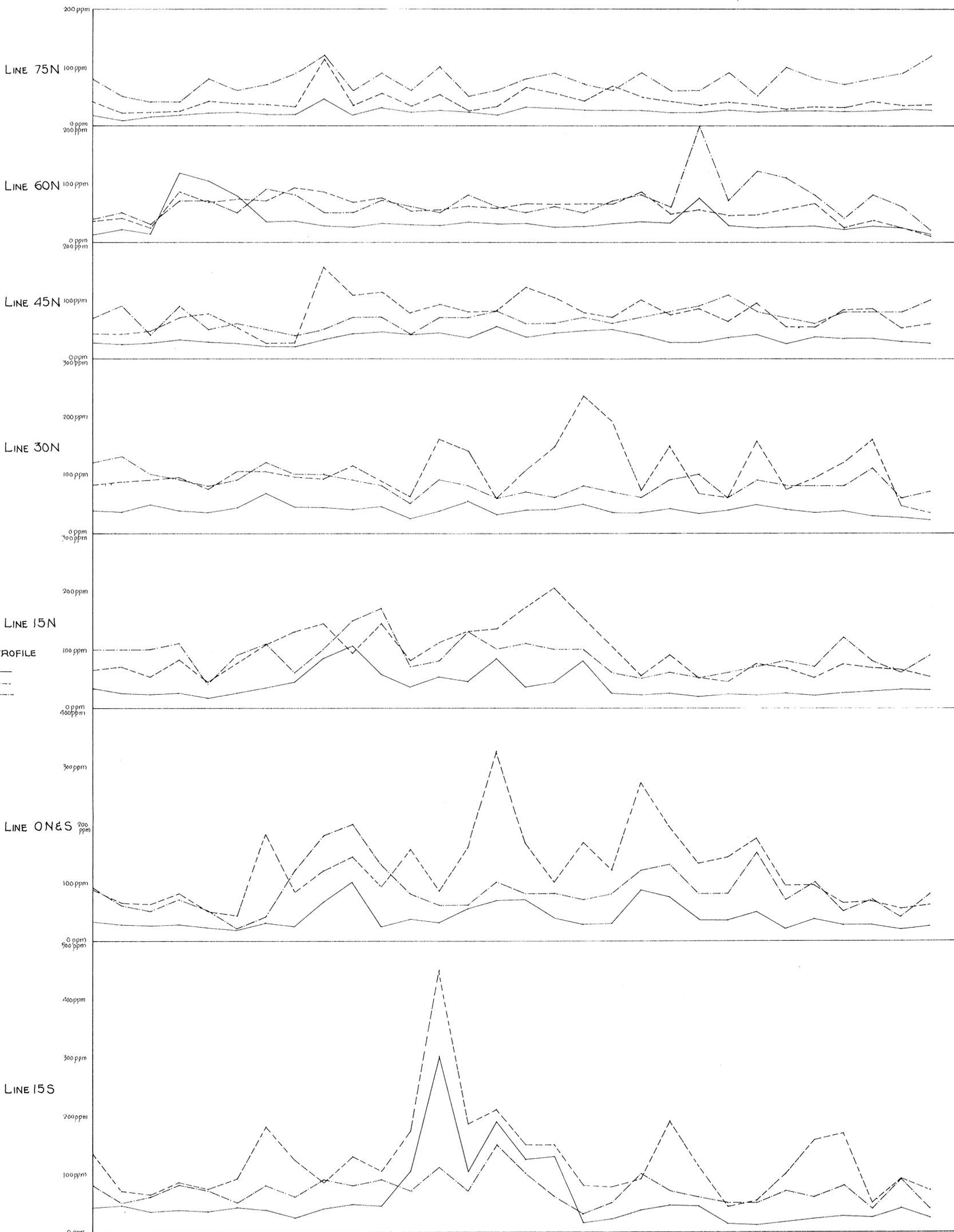
Yours truly,

Alfred A. Burgoyne
Alfred A. Burgoyne, P.Eng.
Regional Manager

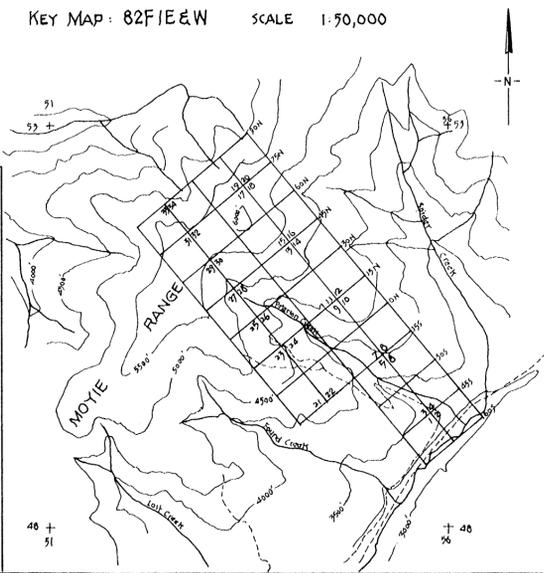
AAB/bc
attach.

UNION MINIERE EXPLORATIONS AND MINING CORPORATION LIMITED	
Rec'd JUL 14 1975	
AAB	
SAG	

44W 40W 36W 32W 28W 24W 20W 16W 12W 8W 4W 0W&E 4E 8E 12E 16E



KEY MAP: 82F1E&W SCALE 1:50,000



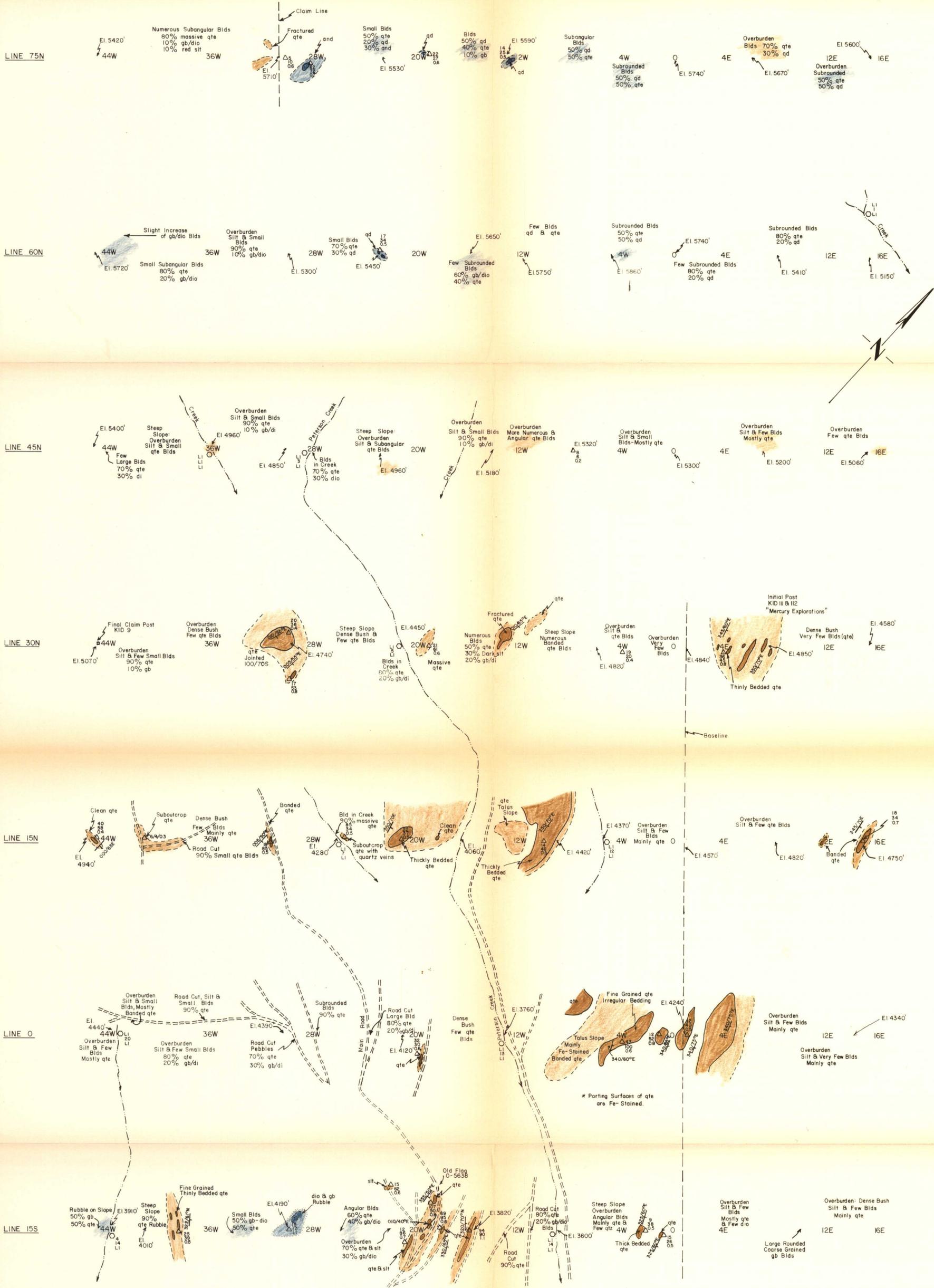
Scale: 1" = 400'

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DATE: Aug 19, 1973
SURVEYED BY: D.T.

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30-20 BRUNING ET AL. 11-13



MAP 2

GEOLOGY of the LINC CLAIMS

Scale: 0 400' 800'

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DATE: JULY, 1973
SURVEYED BY: W.S.P.T.

DWG. No. 73-118

NTS. 82E/E/W

LEGEND

Rock Sample Δ Pb in ppm
Zn
Ag

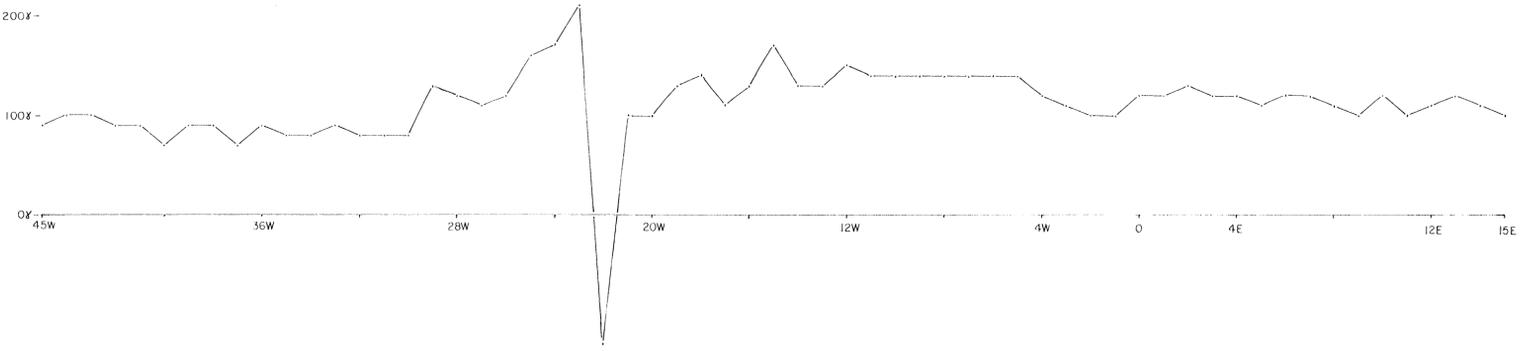
Water Sample \circ Pb in ppb
Zn
Ag

L denotes "less than"

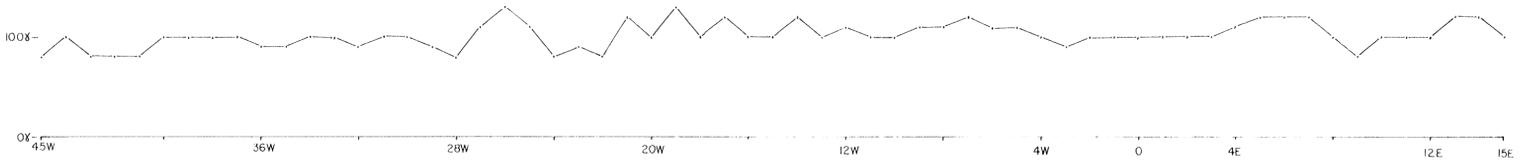
LINE 75N



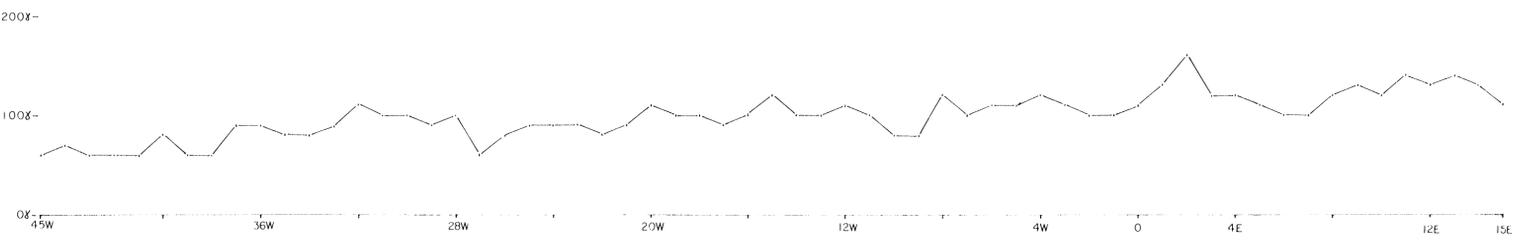
LINE 60N



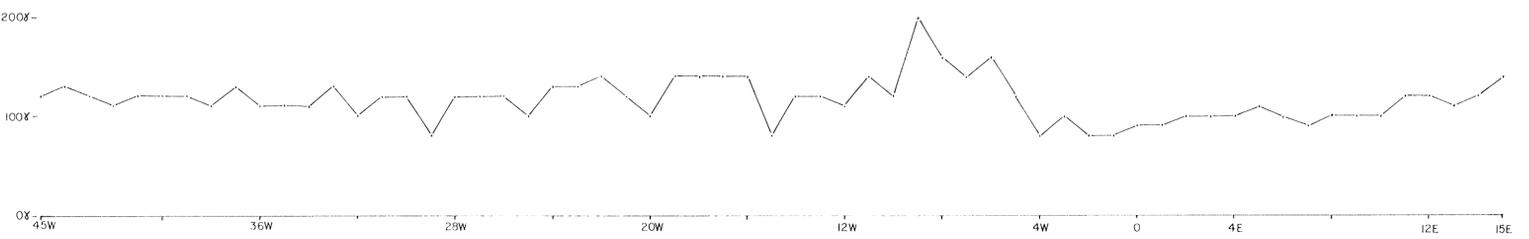
LINE 45N



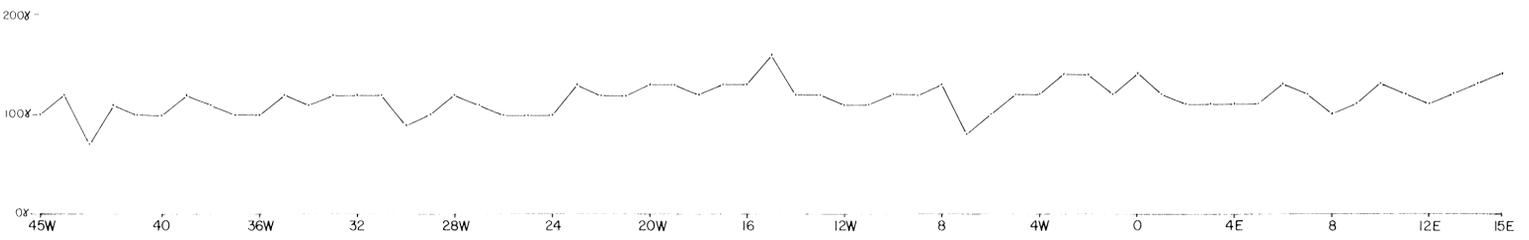
LINE 30N



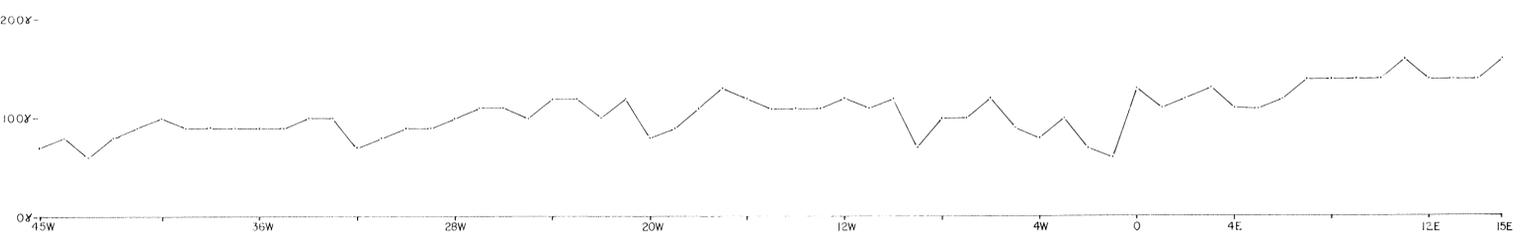
LINE 15N



LINE 0



LINE 15S



MAP 3

TRANSVERSE PROJECT
GROUND MAGNETICS
 of the
LINC CLAIMS

N.T.S. REFER/W

Scale :



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DRAWN BY: H. HOLM
 DATE: JULY, 1973
 SURVEYED BY: P. THERRIEN
 DWG. No. 73-119

