

GECHEMICAL SURVEY AND LINECUTTING
AND GRID ESTABLISHMENT REPORT

AARON MINERAL CLAIM

(12UNITS)

BY

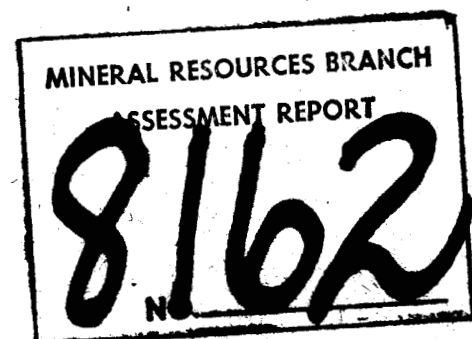
EARL W. SARGENT

JULY 2, 1980

OMINECA MINING DIVISION

55-30'N ; 127-35'W

93m 5E/ 12E



C O N T E N T S

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GEOCHEMICAL SURVEY AND LINECUTTING
AND GRID ESTABLISHMENT REPORT
AARON MINERAL CLAIM

INTRODUCTION:

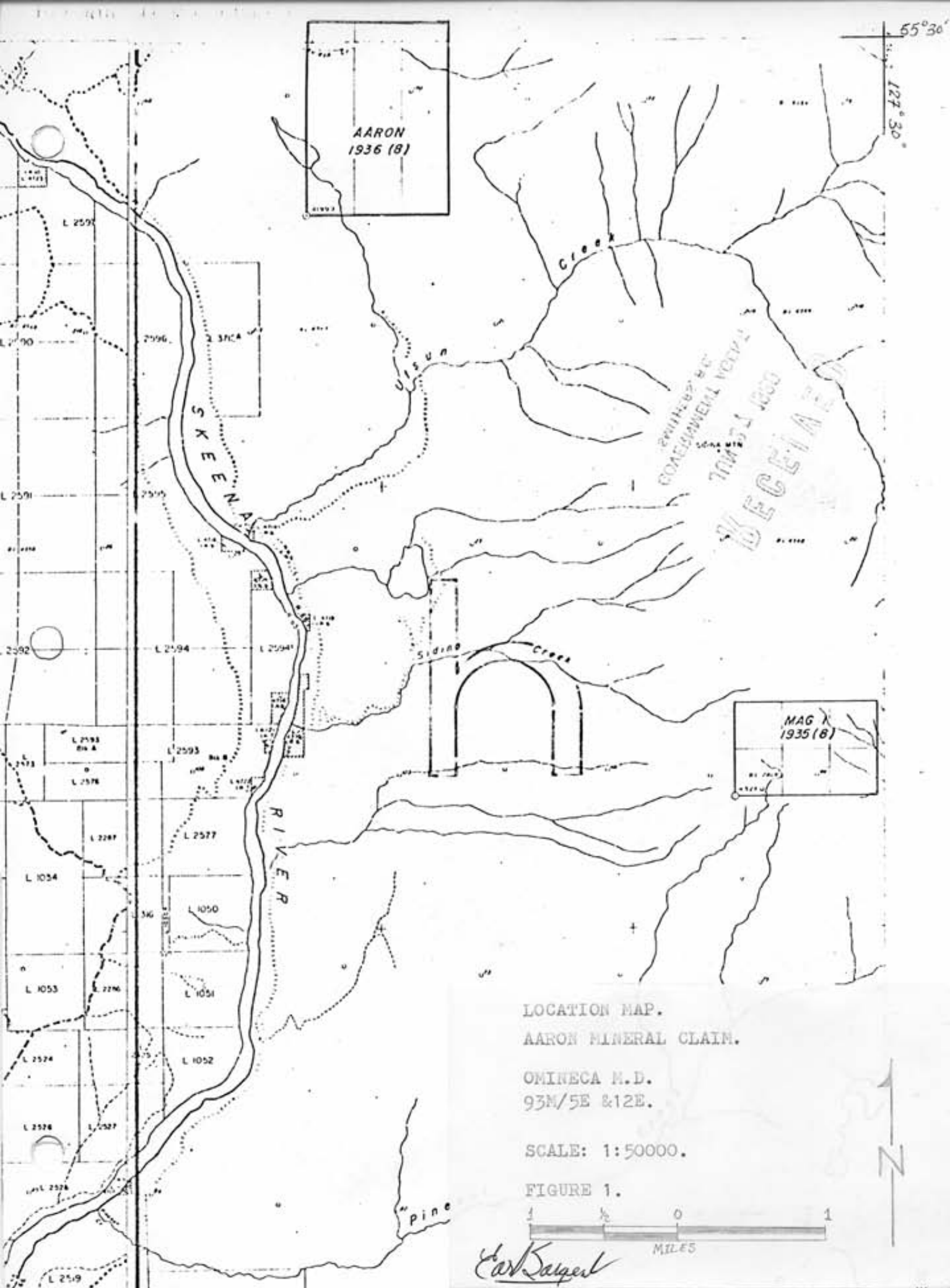
The Aaron mineral claim (12 units) referred to in this report was located by myself in late July-early August of 1979 to protect chalcopyrite-molybdenite-powellite float occurrences, and known copper-molybdenum geochemical anomalies established by previous exploration in this area.

LOCATION AND ACCESS (Figure 1):

The property is located between Utsun and Sediesh creeks, 28 kilometres north of New Hazelton. Access to the southwest corner of the claim is provided by a fairly good 5 kilometre logging road which leaves the Babine Slide road at kilometre 29.5, bearing easterly.

PROPERTY DEFINITION:

The Aaron mineral claim encompasses a small aeromagnetic anomaly that is coincident with a small granodiorite-granodiorite porphyry plug which has intruded siltstones. Some preliminary soil sampling done by Brettland Mines Ltd., defined two areas of generally coincident copper-molybdenum anomalies. (Refer to assessment report #2828 on Sal 1-32 group of claims filed Dec. 2, 1970, P.E. Hirst, P. Eng.)



AARON
1936 (8)

MAG K
1935 (8)

LOCATION MAP.
AARON MINERAL CLAIM.

OMINECA M.D.
93M/5E & 12E.

SCALE: 1:50000.

FIGURE 1.



Earl Barger

As the geochemical anomalies established in the work done by Brettland Mines are not fully defined, I established a control grid of cut lines and took soil samples to more fully define the extent of these anomalies. As I observed powellite in some float, I had the samples analysed for tungsten as well as copper and molybdenum.

CURRENT STATUS:

| <u>Claim</u> | <u>Units</u> | <u>Located</u> | <u>Located by</u> | <u>Agent for</u> | <u>Recorded</u> |
|--------------|--------------|-----------------------------------|-------------------|------------------|-----------------|
| Aaron | 12 | July 24-Aug. 1, 1979 tag#41999 | E. Sargent | Self | Aug 3, 1979 |

GRID ESTABLISHMENT (Figure 2)

Grid is established by means of Silva Ranger compass, pickets and hipchain. Horizontal distance is corrected by establishing slope angle between 25 metre stations with a Suunto clinometer. Elevation difference is also established between 25 metre stations in the same manner, thus allowing for topographic mapping.

Lines have been cut out with an axe and 50 metre stations are marked and ribboned. Baseline was established on the western boundary of the claim and is thus oriented north. Baseline starts at I.D. Post #1N. (that point being 0+00N. -0+00E.) and extends for 1100 metres north from that point. Cross lines are at L.0+00N., L.1+00N., L.2+00N., L.4+00N., L.6+00N., L.8+00N., and L.11+00N. All cross lines are east oriented and total 3650 metres.

GEOCHEMICAL SURVEY (Figure 3):

A total of 57 soil samples were taken at 50 metre intervals along crosslines whenever possible. These were analysed for copper, molybdenum, and tungsten in the geochemical laboratories of, Chemex Labs Ltd., 212 Brooksbank Ave., North Vancouver, B.C., and Vangeochem Lab Ltd., 1521 Pemberton Ave., North Vancouver, B.C.

SAMPLING METHOD:

Samples were obtained by digging holes with a shovel to a depth where the "C" horizon was encountered whenever possible. The "B" horizon was sampled, soil being removed with a stainless steel spoon, and placed in "Hi wet strength Kraft open end" envelopes.

LABORATORY DETERMINATION METHOD:

See following page.

Interpretation:

Due to the fact that the anomalous values are still undelimited to the east, it is hard to make any definite interpretation. There was very little rock outcrop on the crosslines and only near the end of L.8+00N. was intrusive rock noted. I feel that one feature is that the anomalous geochem on L.11+00N. May be transported due to downslope migration. As the slopes to the south of L.11+00N. are steep, it will be difficult to run any lines between there and L.8+00N.

Geochem Analyses (PPM)

Standardized Preparation Procedures:

Soil samples are dried at 50°C, the material is then sieved through an 80 mesh (177 μ) screen and a portion is retained for analysis.

PPM Copper & Molybdenum:

A 1.0 gm portion of sample is digested in conc. perchloric-nitric acid (HClO₄-HNO₃) for approx. 2 hours. The digested sample is cooled and made up to 25 mls with distilled water. The solution is mixed and solids are allowed to settle. Copper and Molybdenum are determined by atomic absorption techniques.

Detection Limit: 1 ppm Cu and 0.5 ppm Mo.

PPM Tungsten:

0.50 gm sample is fused with potassium bisulfate and leached with hydrochloric acid. The reduced form of tungsten is complexed with toluene 3,4 dithiol and extracted into an organic phase. The resulting color is visually compared to similarly prepared standards.

Detection Limit: 2 ppm W.

...../4

A P P E N D I X

A

Statement of costs

COST OF GEOCHEMICAL ANALYSIS:

Chemex Labs Ltd. NOVEMBER 16, 1979

29 determinations @ \$5.35.....\$155.15

Vangeochem Lab Ltd. JUNE 10, 1980

28 determinations @ \$5.65.....\$186.20

\$341.35

GRID PREPARATION AND GEOCHEMICAL SURVEY:

OCT. 20, 21, 27, 30, 31, NOV. 1, 1979.

MAY 20, 21, 23, 1980.

9 mandays @ \$100.00 /day.....\$900.00

TOTAL.....\$1241.35

A P P E N D I X

B

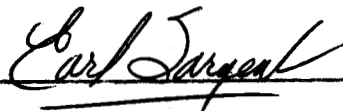
Statement of qualifications

Earl W. Sargent

STATEMENT OF QUALIFICATIONS

I, Earl W. Sargent, of New Hazelton, British Columbia, do certify that:

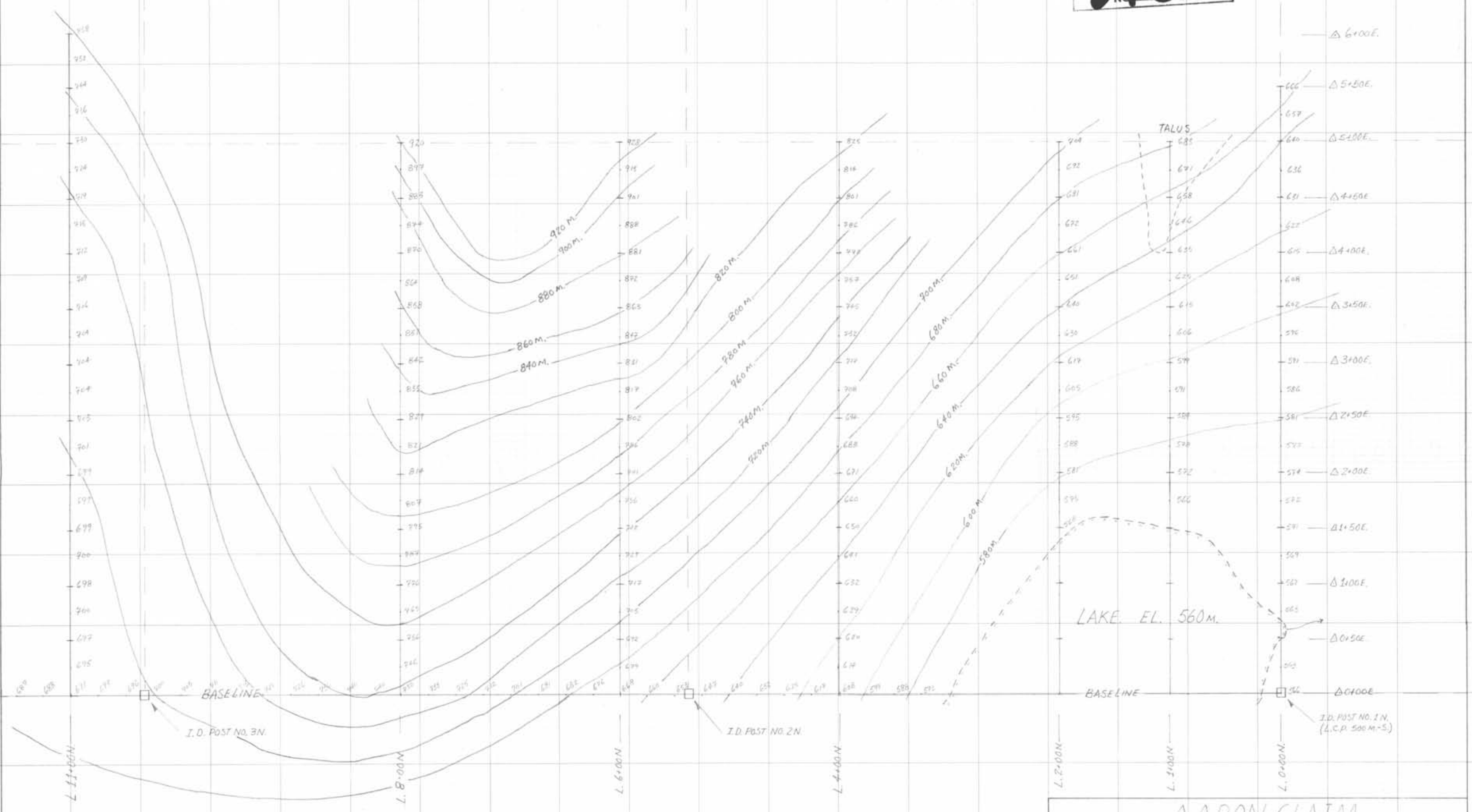
- 1) I undertook and completed a correspondence course, GEOLOGY 12, in my graduation year from high school, 1969.
- 2) I have worked a total of 6 field seasons (1970, 71, 72, 75, 76, 77) for various exploration companies, most recently, Noranda Exploration Company Ltd. I have learned and been involved in geological, geochemical, and geophysical technics in the field.
- 3) I attended the 1979 prospectors course at Selkirk College, Castlegar, B.C.
- 4) I have been prospecting independently since 1978.



Earl W. Sargent.

Independent prospector.

MINERAL RESOURCES BRANCH
 RESIDENT REPORT
8162
 NO.

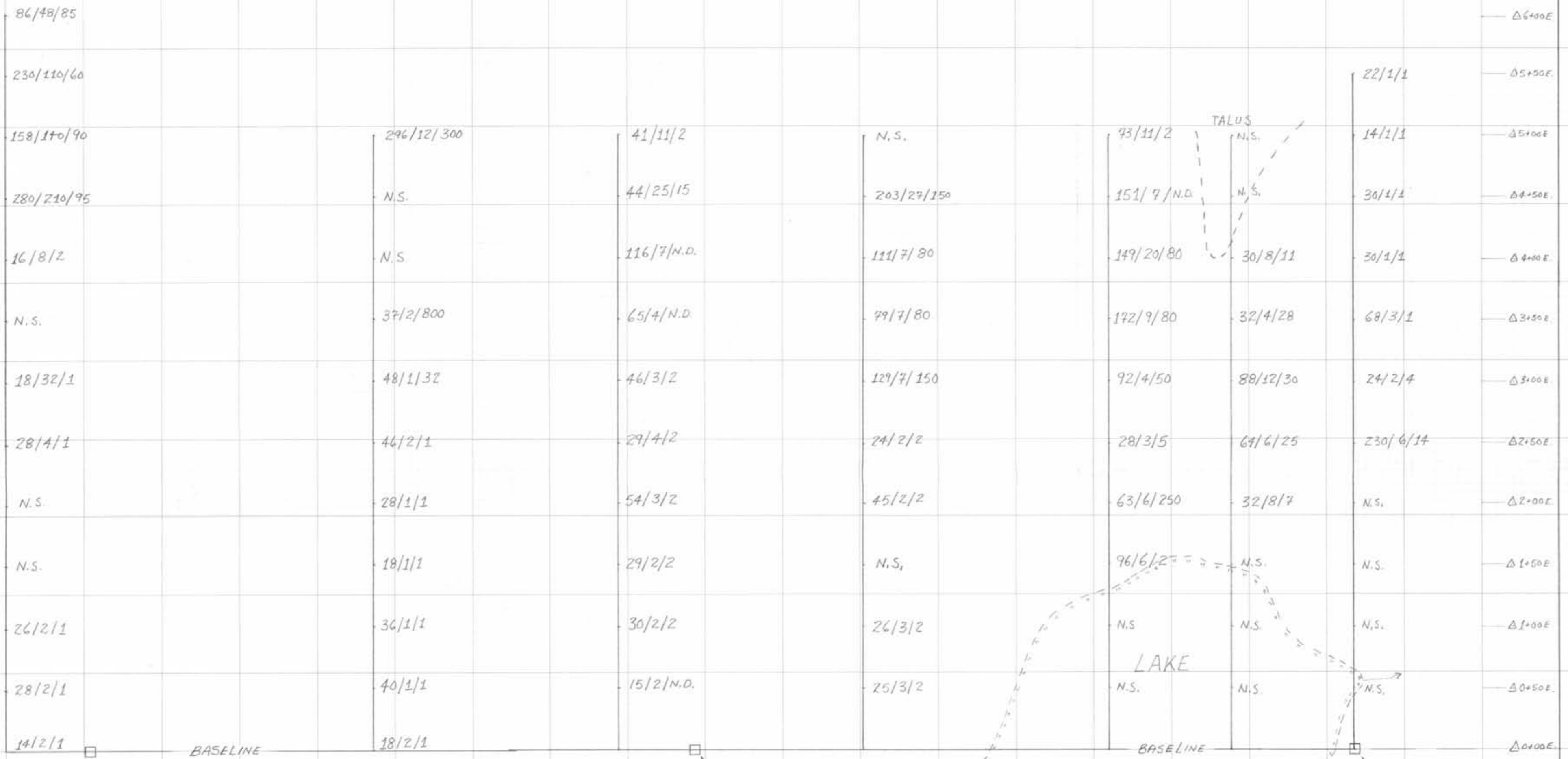


CONTOUR INTERVAL: 20m.

| | | | | |
|--------------------------|------------|--------------------------------|--------|-----------------------|
| AARON CLAIM | | | | |
| GRID & TOPOGRAPHIC MAP | | | | |
| SURVEYED BY: E. SARGENT. | | DATE: JULY 2 ND '80 | | |
| DRAWN BY: E. SARGENT. | | SCALE: 1:2500. | | |
| FIGURE NUMBER: 2. | MAP SHEET. | 93M 5E. | N.T.S. | 55°30'N. 129°35'E. |

E. Sargent

8162



SAMPLE SEQUENCE: Cu./Mo./W.
N.S. - NO SAMPLE.
N.D. - NOT DETECTED.

Earl Sargent

AARON CLAIM
GEOCHEMICAL SOIL SURVEY
Cu., Mo., AND W IN P.P.M.
SURVEYED BY: E. SARGENT. DATE: JULY 2ND '80
DRAWN BY: E. SARGENT. SCALE: 1:2500
FIGURE NUMBER 3. MAP SHEET, 93M5E, 93M12E. N.T.S. 55°30'N, 127°35'E