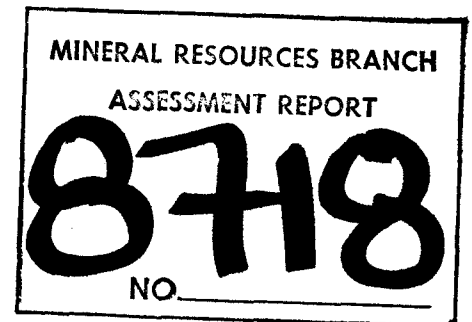


GEOCHEMICAL SURVEY REPORT
ON THE DON, RUFF, HELEN CLAIMS FOR
CYCLONE DEVELOPMENTS LTD.

Ruff (15 units), Don (12 units)
Helen 3 (6 units), Silver 3, 4.
situated northeast of Atlin

ATLIN MINING DIVISION
59°44'N., 133°30'W.

104N / 11W, 12 E



Submitted by: R. Philp, P.Eng.

Owner: Cyclone Developments Ltd.

Work conducted by:

December 12, 1980.

Agilis Exploration Services Ltd.

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MAPS

LOCATION MAP SHOWING CLAIMS

DON, HELEN, RUFF GROUPS - GEOCHEMICAL SURVEY

- | | |
|-----------------------|-----------------|
| 1. Molybdenum Values | 1" = 125 meters |
| 2. Silver Values | 1" = 125 meters |
| 3. Lead & Zinc Values | 1" = 125 meters |

REPORT ON A GEOCHEMICAL SURVEY
ON THE ATLIN, B.C. PROPERTY
OF CYCLONE DEVELOPMENTS LTD.

INTRODUCTION:

The Atlin property of Cyclone Developments Ltd. consists of 37 claims situated 14 miles northeast of Atlin, British Columbia.

Known vein occurrences exposed by earlier trenching contain silver-lead-zinc-copper mineralization.

During 1979 a grid was established over much of the Don, Helen 3 and Ruff claims and a reconnaissance geochemical survey conducted in a search for additional mineralized veins and extensions of the known ones.

The survey was conducted by personnel of Agilis Exploration Services Ltd. during the period August 20 - September 25, 1979 under the direction of the writer.

GENERAL:

The property is located approximately 14 miles northeast of Atlin, British Columbia and is reached by a branch road off the Fourth-of-July Creek road. Several branch roads suitable to 4-wheel drive vehicles traverse much of the property.

For the most part the property lies above timberline at elevations between 4,500 and 6,000 feet. Glacial till covers much of the property which is underlain throughout by permafrost.

PROPERTY:

The property consists of 3 claims comprising 33 units, 2 - two post claims and 2 reverted crown-granted claims as follows:

Ruff claim (15 units)
Don claim (12 units)
Helen 3 claim (6 units)
Silver 3
Silver 4
L 1170
L 1171

The claims are held by Cyclone Developments Ltd, the reverted crown grants (L 1170, L 1171) under option from J. Wallis.

WORK CONDUCTED:

The 1979 exploration program consisted of gridding, followed by a reconnaissance geochemical soil sampling survey. An east-west base-line 2500 meters in length was established near the center of the Ruff claim and north-south cross-lines run at 250 meter intervals. All lines were established by chain and compass, marked by flagging and stations marked at 50 meter intervals. A total of 25,900 meters of base and cross-lines were established in this manner.

Soil samples were taken at all stations with a pick or mattock, from below the organic horizon wherever possible. At each sample location notes were taken regarding soil type, slope, sample depth, and vegetation which were used later in interpreting the results.

All samples were analyzed for lead, zinc, silver and molybdenum at Acme Analytical Laboratories of Vancouver with results reported in parts per million (ppm).

-80 mesh, 1 hour in aqua regia, A.A.

RESULTS OF GEOCHEMICAL SURVEY:

Several coincident zinc, lead and silver anomalous areas were outlined by the reconnaissance survey.

1. A strong anomalous area occurs over the known Vulcan vein with indications of a possible extension to this zone on lines 1500E and 1750E. There are also indications of a possible parallel zone to the south - 300N, 750E.

2. A broad, generally anomalous area trends easterly from line 1000E to the eastern edge of the property between approximately 250S and 550S. Mineralization has been exposed by old trenches near the western edge of the anomalous area.

3. On lines 2250E and 2500E these anomalous values extend north to 150N. This area is on a steep hillside immediately downslope from earlier trenching where copper mineralization is exposed.

4. Weak silver anomalous values occur on lines 750E and 1000E, 1400S to 1600S. Lead values are very slightly anomalous with lower background values in this region.

Molybdenum values are anomalous in the northwestern portion of the sampled area, north of the Vulcan zone from line 1500E to 1250E. Anomalous values also occur further south on lines 1250E and 1500E and from 1250E, 050S to 2250E, 450S. These anomalous areas may represent a different phase of the intrusive.

CONCLUSIONS:

The geochemical survey indicated several areas anomalous for zinc, lead, and silver. In addition, two broad areas with anomalous molybdenum values were noted.

Since the survey was of a very reconnaissance nature, additional detailed surveys will be necessary to closely outline any possible vein occurrences or extensions to known veins.

Additional work is also necessary to determine if the anomalous molybdenum values are related to vein-type occurrences or a separate intrusive phase.

Respectfully Submitted

A handwritten signature in cursive script, appearing to read 'R.H.D. Philp', written in dark ink.

R.H.D. Philp, P. Eng.

December 12, 1980.

CERTIFICATE

I, RONALD H.D. PHILP, of 1458 - 409 Granville Street., Vancouver, British Columbia, do hereby certify that:

1. I am a graduate of the University of British Columbia (B.A. Sc. 1961)
2. Since graduation I have been engaged in mining exploration in North America, Central America, Australia and Fiji.
3. I am a registered member in good standing of the Association of Professional Engineers of British Columbia.
4. I supervised the work described in this report during the period August - September, 1979.



Ronald H.D. Philp

P. Eng.

Vancouver, B.C.

December 12, 1980.

DOMINION OF CANADA:
PROVINCE OF BRITISH COLUMBIA.
To Wit:

In the Matter of the gridding and geochemical survey
conducted on the Atlin property of Cyclone Developments
Ltd.

I, Ron Philp

of 1458 - 409 Granville Street, Vancouver, B.C.

in the Province of British Columbia, do solemnly declare that the following personnel were employed and costs incurred in conducting the surveys during August - September, 1979.

Personnel:

N. Armstrong - Partychief	- 15½ days @ \$119.31/day	=	\$1,849.31
L. Hodgson	- 15 days @ \$ 80.00/day	=	1,200.00
R. Philp	- 4 days @ \$200.00/day	=	<u>800.00</u>
			\$3,849.31

Disbursements:

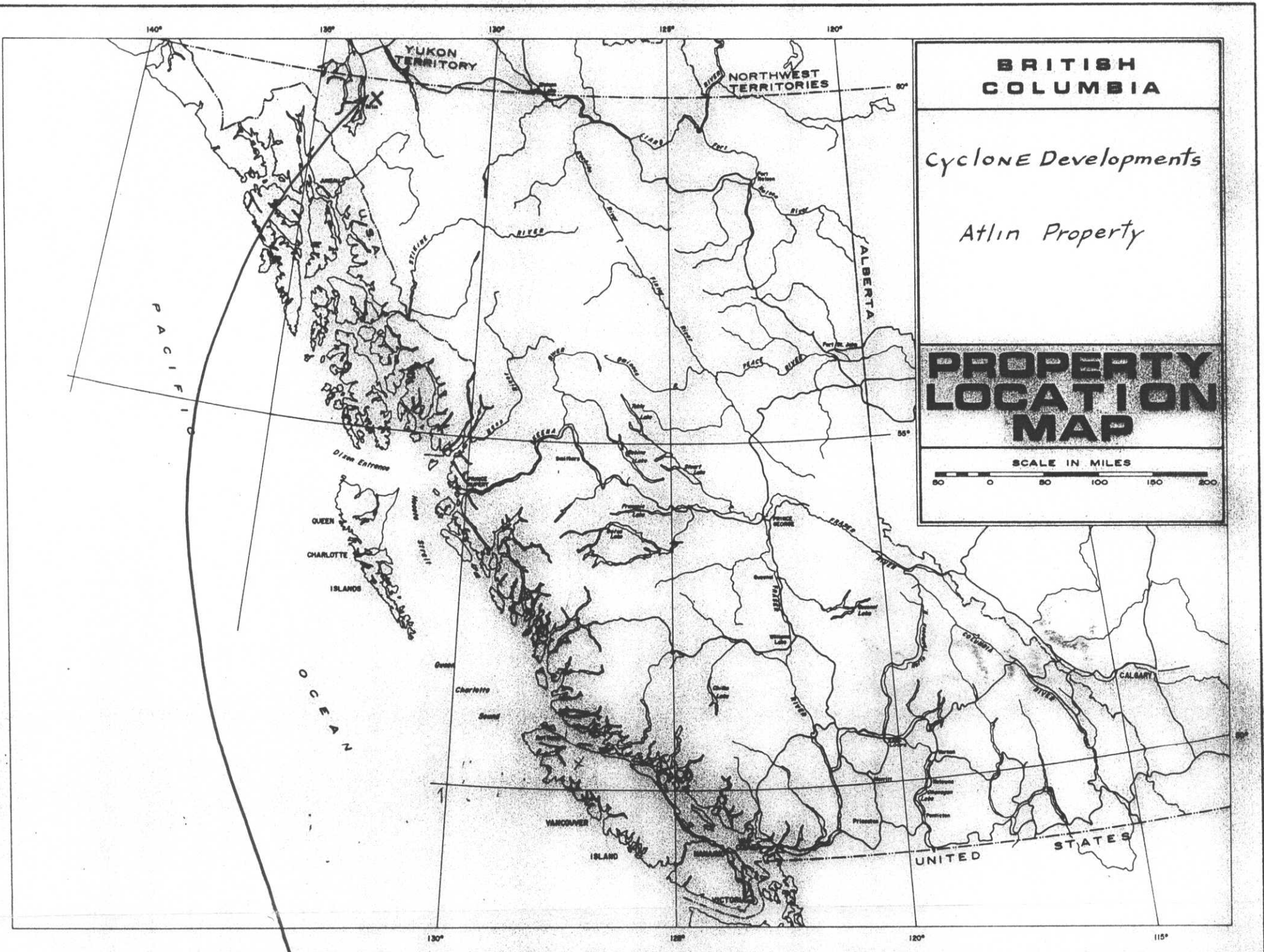
Meals & accomodation	\$ 98.42	
Freight, misc.	31.83	
Gas	39.72	
Casual labour	70.00	
Groceries & supplies	180.45	
Prints	3.53	
Airfare	135.00	
Assays	974.47	
Truck rental	<u>450.00</u>	
		\$1,983.42
+ 15% overhead on disbursements		<u>297.51</u>
Total Amount		<u>\$6,130.24</u>

And I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath and by virtue of the "Canada Evidence Act."

Declared before me at the
of _____, in the
Province of British Columbia, this
day of _____, A.D.



A Commissioner for taking Affidavits for British Columbia or
A Notary Public in and for the Province of British Columbia.



BRITISH COLUMBIA

Cyclone Developments

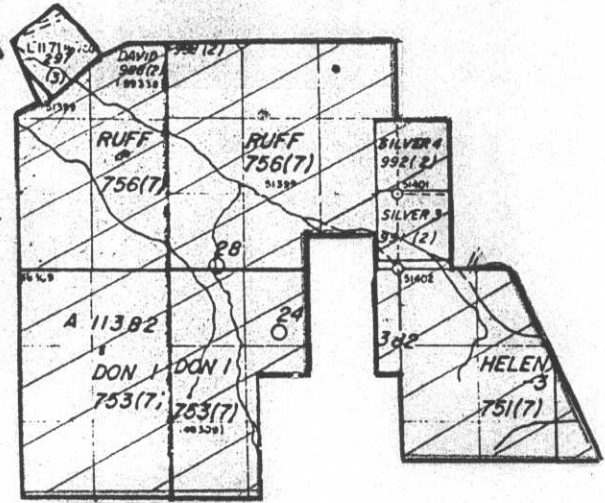
Atlin Property

PROPERTY LOCATION MAP

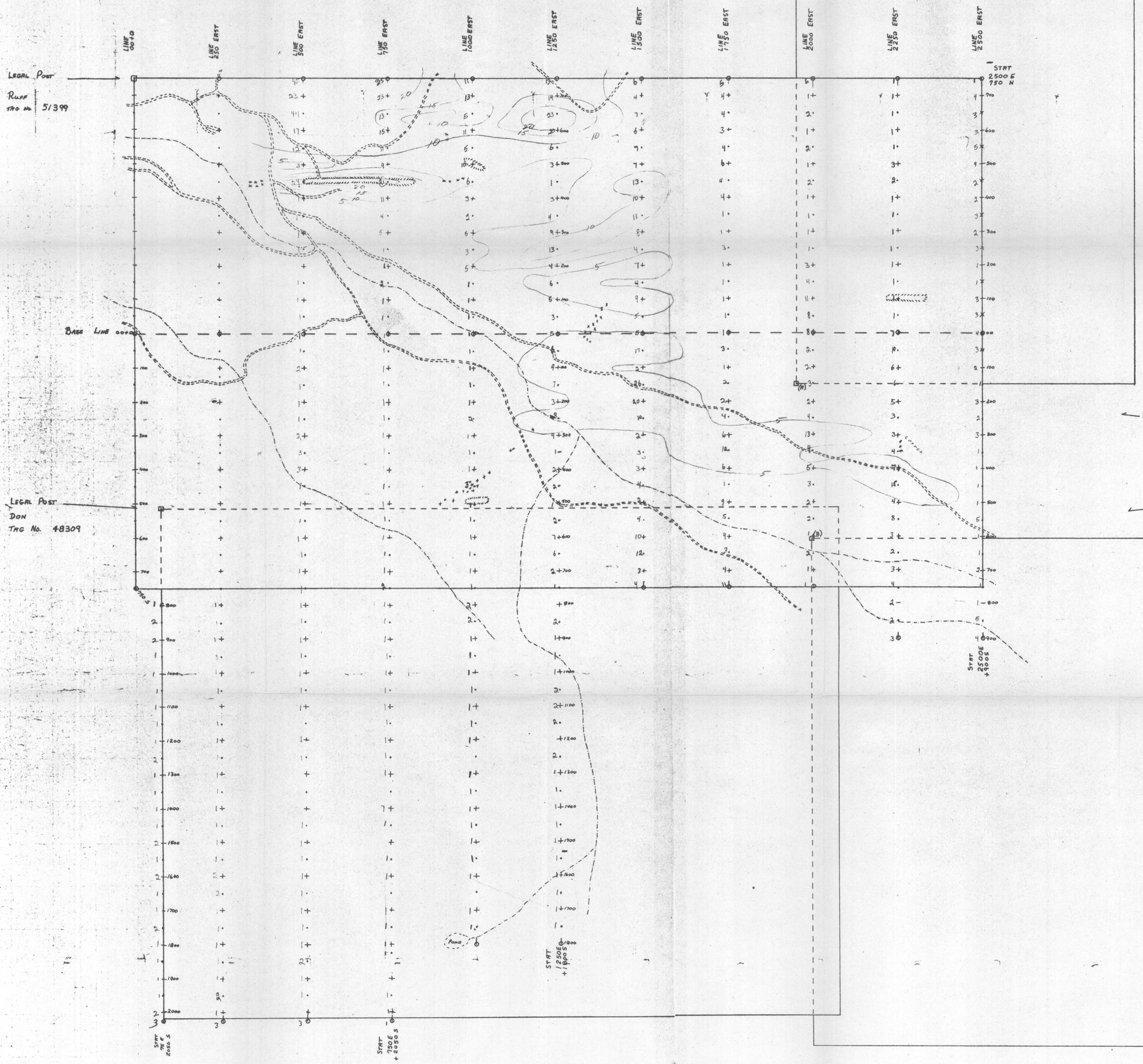
SCALE IN MILES

50 0 50 100 150 200

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
8718
NO. _____

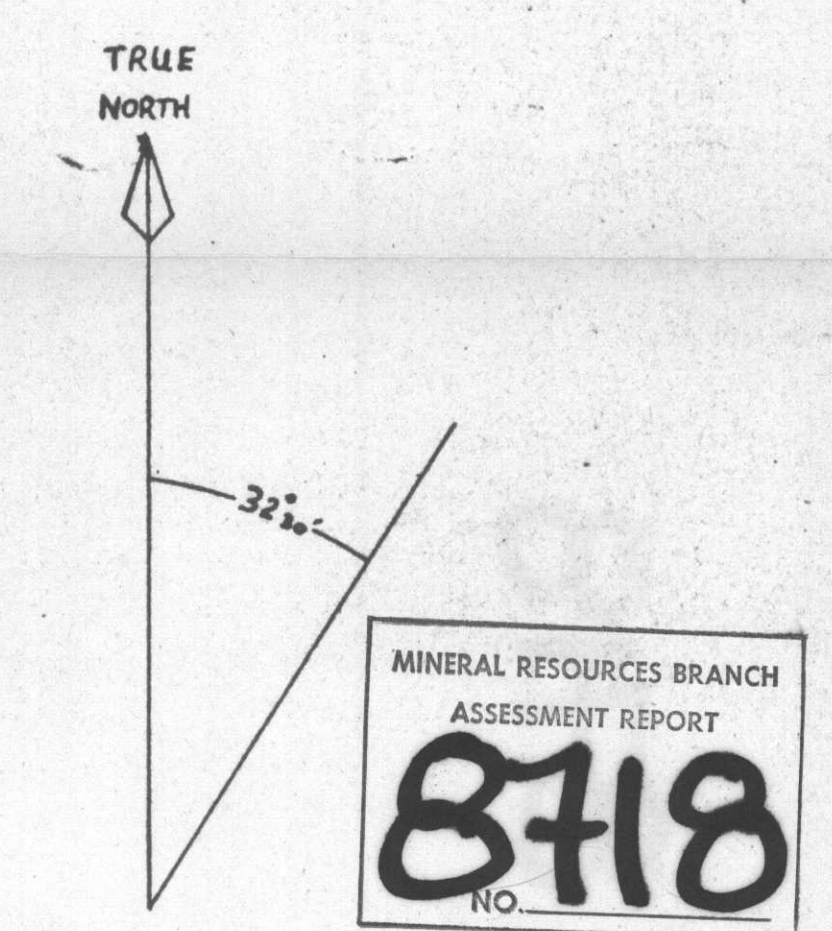


RJP



(A) LEGAL POST
HELEN "2"
TRG No. 51401

(B) LEGAL POST
HELEN "3"
TRG No. 51402

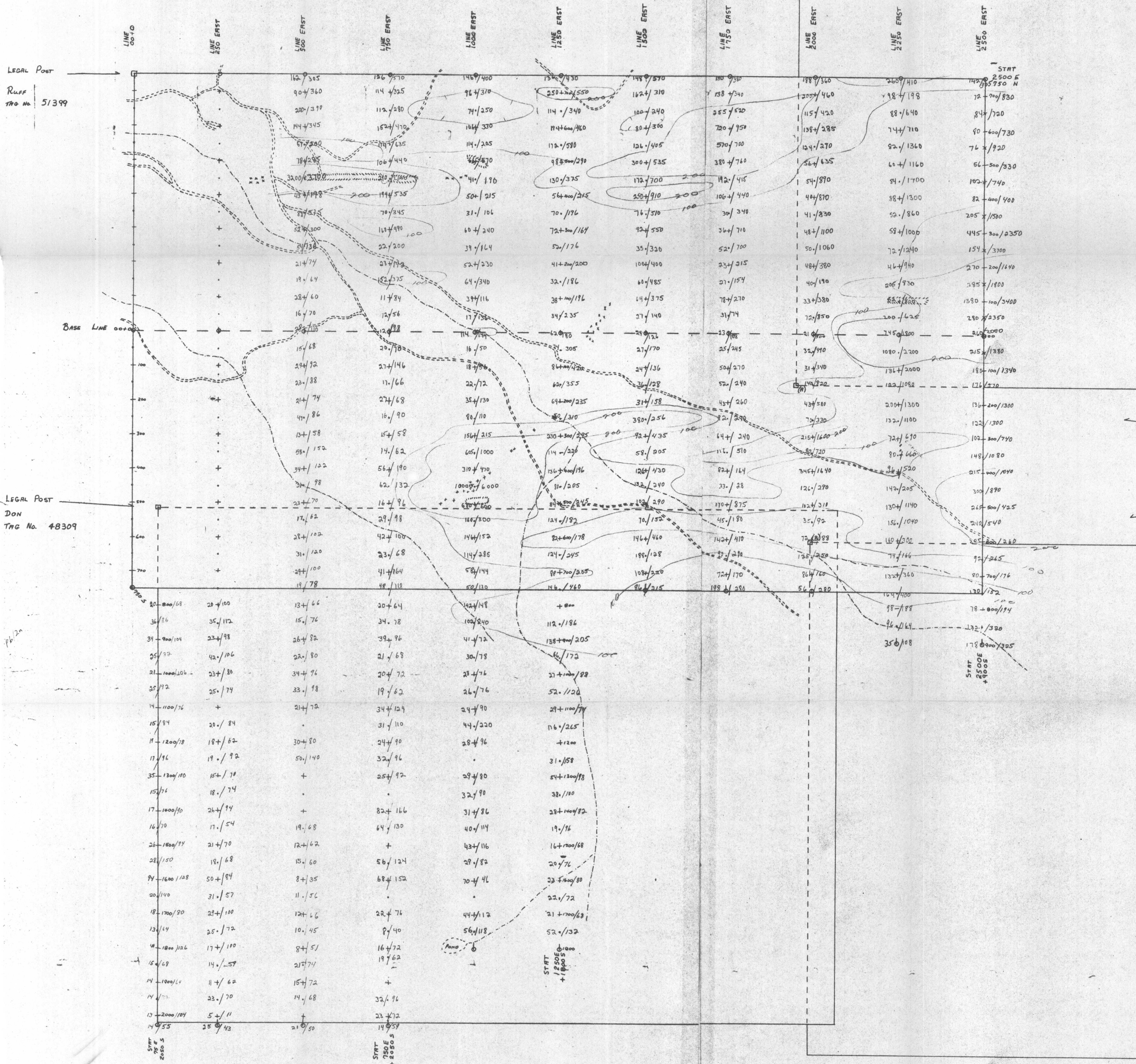


Don, Helen, Ruff Groups Atlin, BC.

Geochemical Survey
Molybdenum values

- SCALE 1" = 125 METERS
- + 100 METER STATION
 - 50 METER STATION
 - - - CREEK
 - - - ROAD
 - LEGAL CLAIM POST
 - PIT or TRENCH
 - LINE END
 - CLAIM BOUNDARY
 - NEW VEIN P
 - - - FLOAT
 - 2. Molybdenum (ppm)

Handwritten initials



(A) LEGAL POST
HELEN "2"
TRG No. 51401

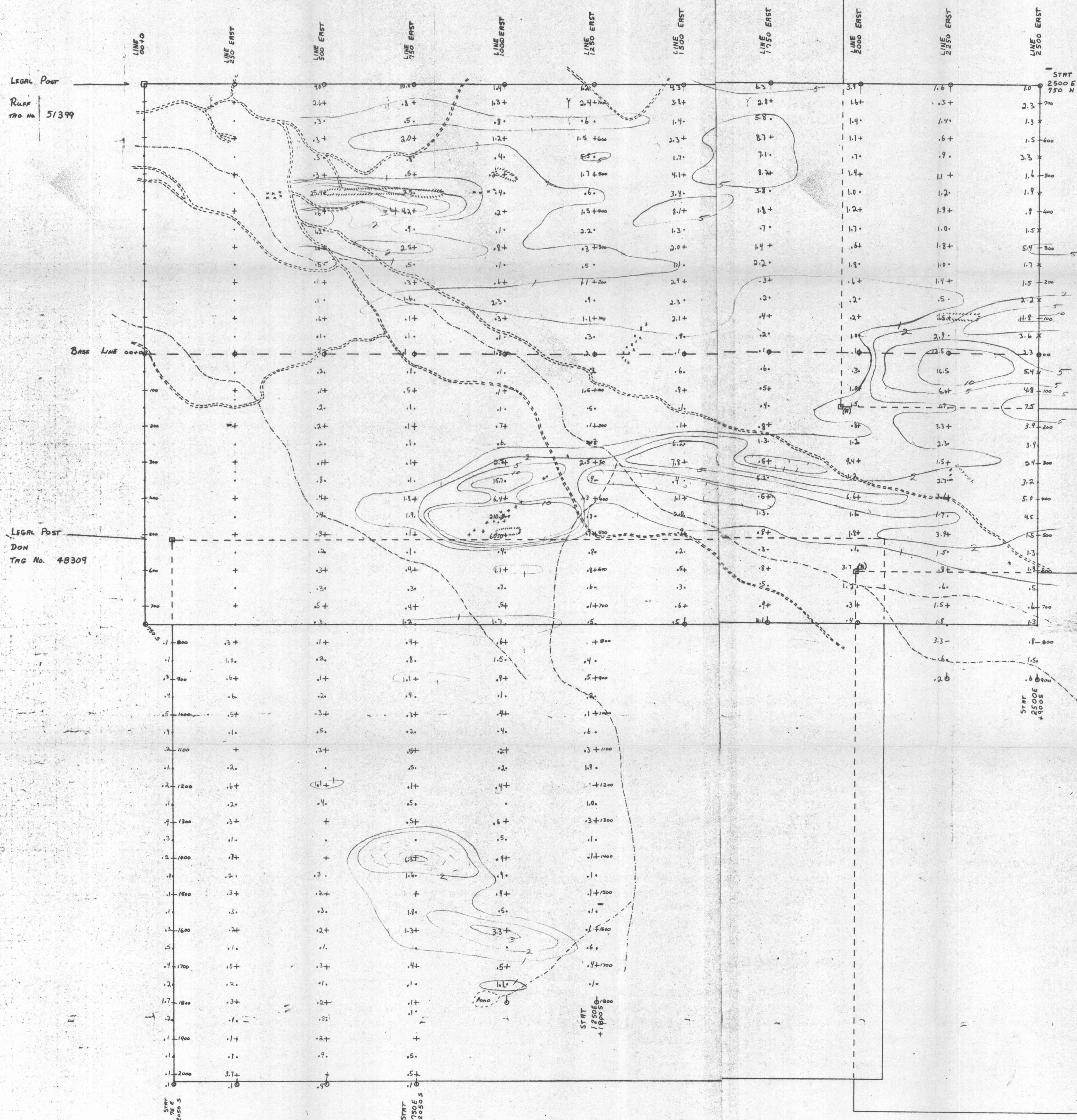
(B) LEGAL POST
HELEN "3"
TRG No. 51402



MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
8718
NO.

Don, Helen, Ruff Groups, Atlin, B.C.
Geochemical Survey
Lead + Zinc values

- SCALE 1" = 125 METERS
- + 100 METER STATION
 - 500 METER STATION
 - - - CREEK
 - - - ROAD
 - LEGAL CLAIM POST
 - PIT OR TRENCH
 - LINE END
 - CLAIM BOUNDARY
 - ... NEW VEIN P
 - FLOAT
- 178/325 Lead/Zinc (ppm)



(A) LEGAL POST
HELEN 2°
Trc No. 51401

(B) LEGAL POST
HELEN 3°
Trc No. 51402



MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
8718
NO.

Don, Helen, Ruff Groups, Atlin, B.C.

Geochemical Survey
Silver values

- SCALE 1" = 125 METERS
- + 100 METER STATION
 - 50 METER STATION
 - - - CREEK
 - === ROAD
 - LEGAL CLAIM POST
 - PIT or TRENCH
 - LINE END
 - CLAIM BOUNDARY
 - NEW VEIN
 - FLOAT
 - 3.3 Silver (ppm)

RP