

GEOLOGICAL
AND
GEOCHEMICAL REPORT

on the

GALAXY MINERAL CLAIM, KENO HILL

105-M-14



Latitude: 63° 55' N.

Longitude 135° 17' W.

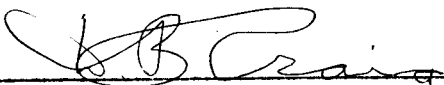
Date: May 24 to May 28, 1974

Terry Levicki

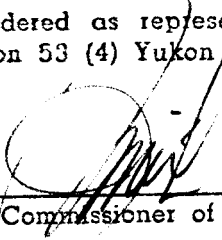
Exploration Geologist

United Keno Hill Mines Limited

This report has been examined by the Geological Evaluation Unit and is recommended to the Commissioner to be considered as representation work in the amount of \$ 544.50


Resident Geologist or
Resident Mining Engineer

Considered as representation work under Section 53 (4) Yukon Quartz Mining Act.


Commissioner of Yukon Territory

Geological Mapping and Geochemical Sampling carried out by:

Robert Busch

43- Highwood Place N.W.

Calgary, Alberta

Bruce McClymont

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Edmonton, Alberta

Keith Toonka

904- 1st Street

Brandon, Manitoba

Geochemical Analysis by;

Mr. Fred Burgess

Chief Chemist

United Keno Hill Mines Ltd.

Supervised by:

Terry Levicki

Exploration Geologist

United Keno Hill Mines Limited

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Figure 1	Location	1"=400'
Figure 2	Geology	1"=400'
Figure 3	Silver Plot	1"=400'
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PROPERTY

The Galaxy Mineral Claim (Grant Number Y69403) was staked and is held by United Keno Hill Mines Limited, Elsa, Yukon Territory. It is a restaking of the former Sunset Fr. Mineral Claim held by Rio Plata Silver Mines.

Location and Access

The Galaxy Mineral Claim is situated in Erickson Gulch on Keno Hill, near the junction of Erickson Creek and the Keno-Sadie Ladue Road. It is accessible by summer road approximately 1 mile from Keno City.

Topography

The topography in the claim area may be considered as moderately steep, with elevations ranging from 3,675 feet to 4000 feet.

General Geology

The geology of the Keno Hill area including the claim in question, has been mapped by R.W. Boyle (Bulletin 111, 1965). There are no outcrops on the claim itself, however bedrock geology was projected from outcrops on the adjoining Tomboy and Cameo Mineral Claims. Occasional occurrences of float rock were also used as a guide to mapping. The rocks underlying the claim are sericite schist and quartzite, with the contact appearing to project across the claim. There are no known or projected veins on the claim.

Geochemical Survey

The entire claim area, 1100 feet X 1600 feet was chained and flagged at 100 foot intervals. An existing cut line from previous sampling on adjoining claims was chained and picketed at 100 foot intervals and was used as a baseline. Samples were taken at the marked locations at an average of 8 inches

deep. Permafrost, very near the surface, throughout the whole area, made sampling very difficult, and prevented deeper sampling. Many samples could not be taken at all due to excessive depths of organic material. A total of 183 samples were taken and these were analyzed for lead and silver.

Lab Procedure

The samples were dried and screened through an 80 mesh standard nylon screen. 1.00 grams of the minus 80 mesh material was allowed to digest in a solution of HNO_3 and HClO_4 for $2\frac{1}{2}$ hours minimum. After cooling, the samples were brought up to a 10 ml volume with demineralized water and were analyzed for lead and silver by an atomic absorption spectrophotometer. Results are all given in parts per million.

Geological and Geochemical Interpretation

From mapping outcrop on adjoining claims and by examining float rock, it would appear that the contact of the Lower Schist formation and the quartzite formation passes through the Galaxy claim, however its exact position cannot be pinpointed due to absence of actual outcrop on the claim.

Silver Plot

A reading of 2.0 ppm was used as a cutoff for silver values. Only seven samples out of 183 gave readings over 2.0 ppm and only one was above 5 ppm. The 5.7 ppm reading however was reported by the lab as being high in organic content. Thus there are no significant silver anomalies on this claim.

Lead Plot

A 50 ppm reading was used as a cutoff for lead values. Lead anomalies corresponded largely to the silver anomalies with the highest reading again reflecting a high organic content. Other anomalies are scattered and don't indicate any definite trends.

Conclusions

Soil sampling and mapping did not indicate any economic mineralization on the Galaxy Mineral Claim. The sampling was done in early spring, with the ground being frozen very near the surface and thus preventing the taking of deeper samples. It is thus recommended that future sampling in a similar situation be conducted later in the summer when the permafrost has receded to a greater depth.


Respectfully submitted,



Terry Levicki

Exploration Geologist

United Keno Hill Mines Limited



Douglas P. Walli, P. Eng.
Mine Manager



STATEMENT OF COSTSSummary of Work:

Line Cutting, Geological Mapping, and Geochemical Sampling

183 samples were collected and analyzed, May 24, 27, 28, 1974

Cost:

3 men at \$700.00 per month (23 working days) or \$30.00/man per day

= \$270.00

183 samples, (2 determinations) at \$0.75 per determination

= \$274.50

Total cost = \$544.50

A F F I D A V I T

I, Terry Levicki, of Elsa, in the Yukon Territory, Exploration Geologist,
do solemnly declare:

1. I have caused the above mentioned work to be performed to the best
of my ability and have a personal knowledge of the facts and matters
herein declared.

2. 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

Elsa, in

the Yukon Territory ,

this 19 day of

June 19 74

T. Levicki

Shirley Pranic

Notary Public in and for the Yukon Territory

ERICA

885

TOPOLO

853

TOMBOY

854

ANKENO

825

GALAXY

TO KENO
CAMEO
552

LIME
856

RAND

855

CAKE

989

LOCATION OF GALAXY MINERAL CLAIM

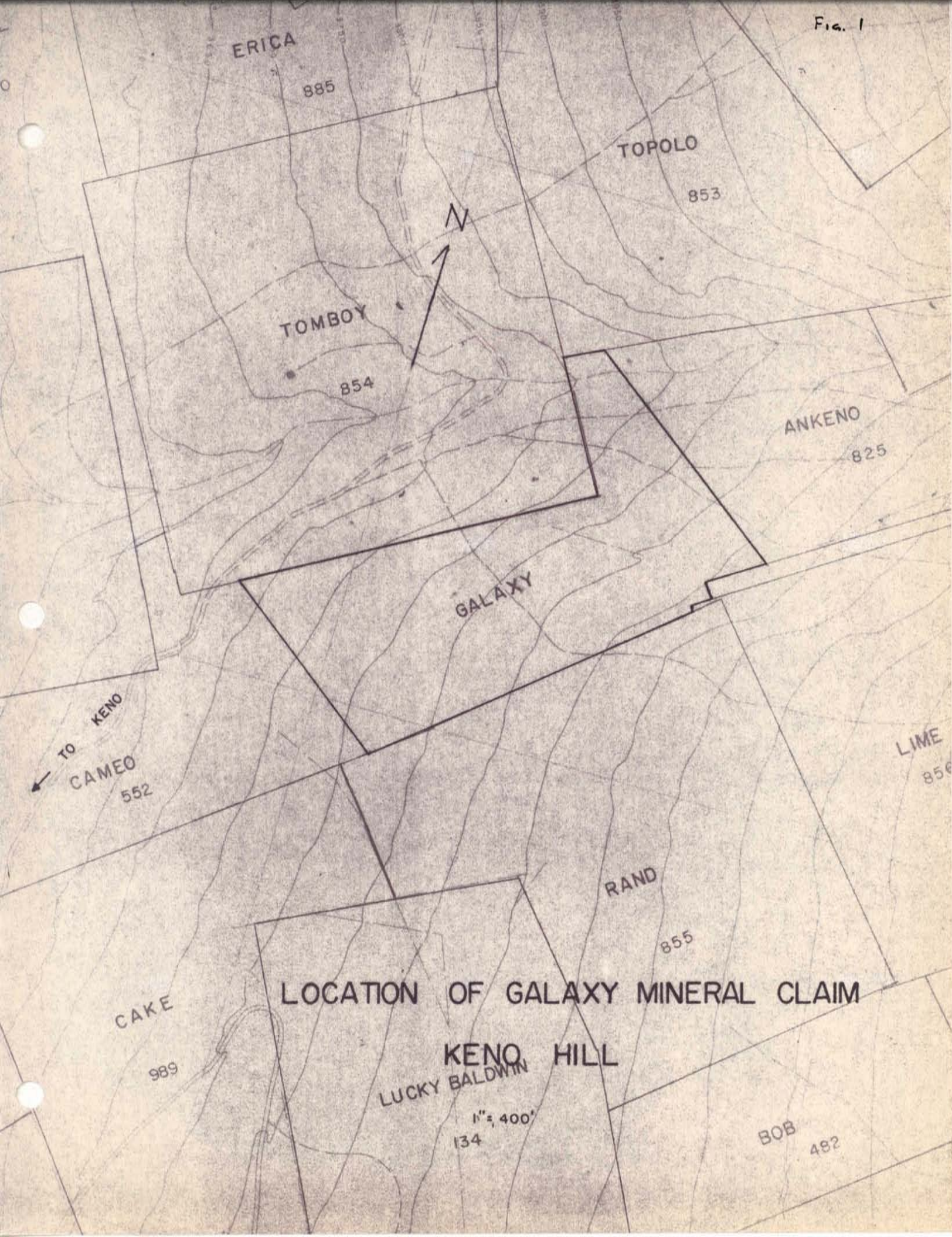
KENO HILL

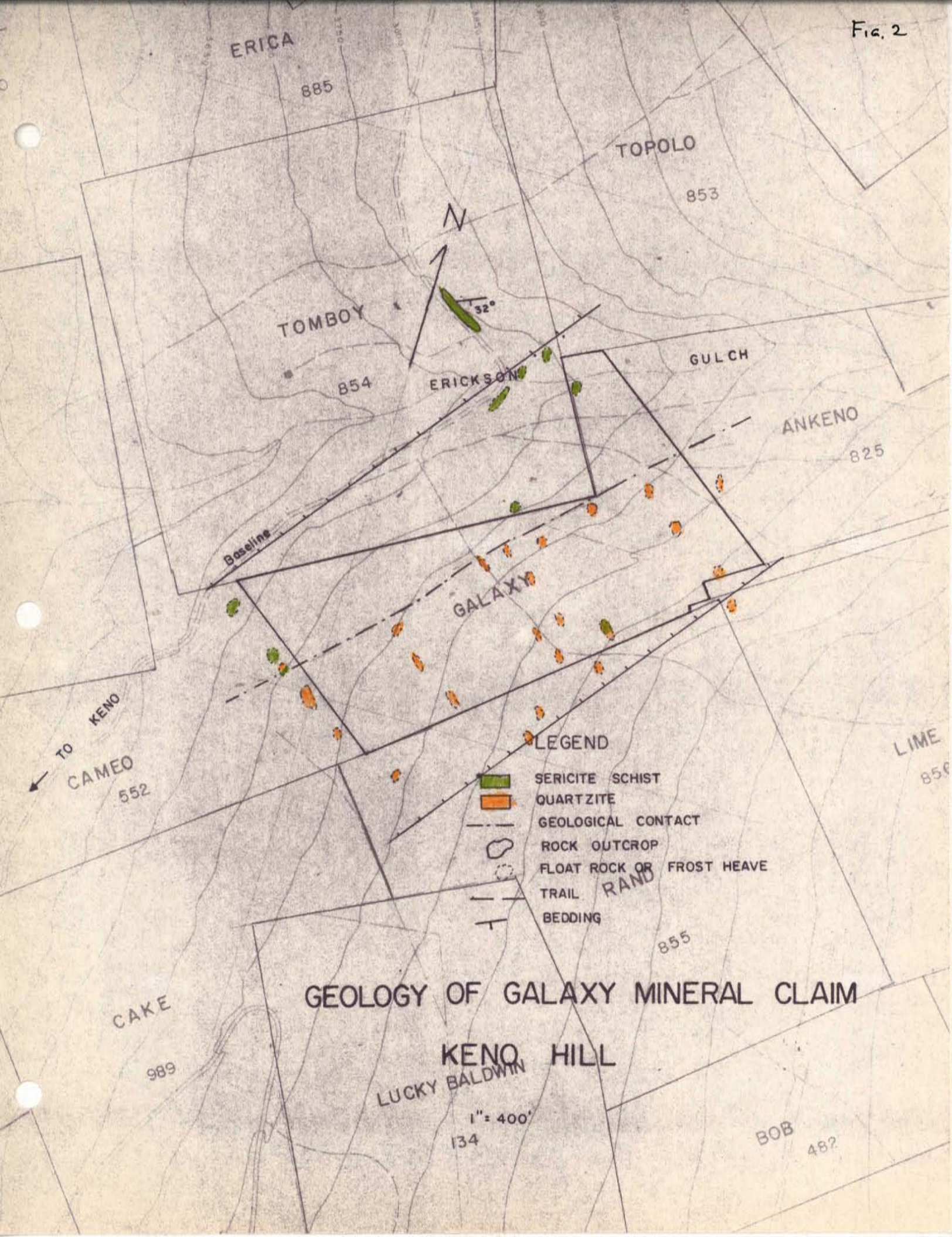
LUCKY BALDWIN

1" = 400'
134

BOB

482





ERICA

885

TOPOLO

853

TOMBOY

854

ERICKSON

GULCH

ANKENO








825

Baseline

GALAXY

TO KENO
CAMEO
552

LEGEND

-  SERICITE SCHIST
-  QUARTZITE
-  GEOLOGICAL CONTACT
-  ROCK OUTCROP
-  FLOAT ROCK OR FROST HEAVE
-  TRAIL
-  BEDDING

LIME
850

CAKE

989

GEOLOGY OF GALAXY MINERAL CLAIM

KENO HILL

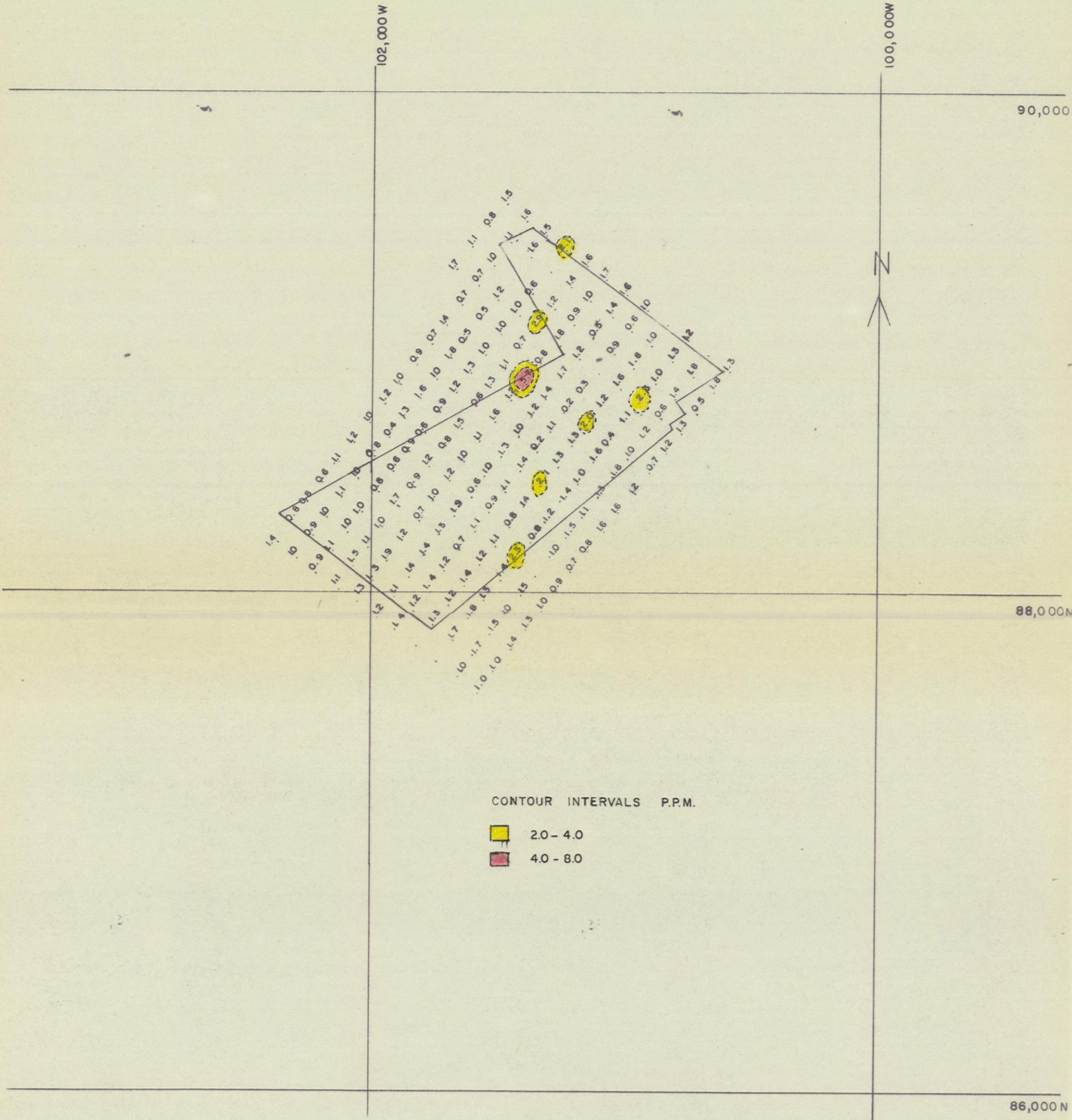
LUCKY BALDWIN

1" = 400'
134

855

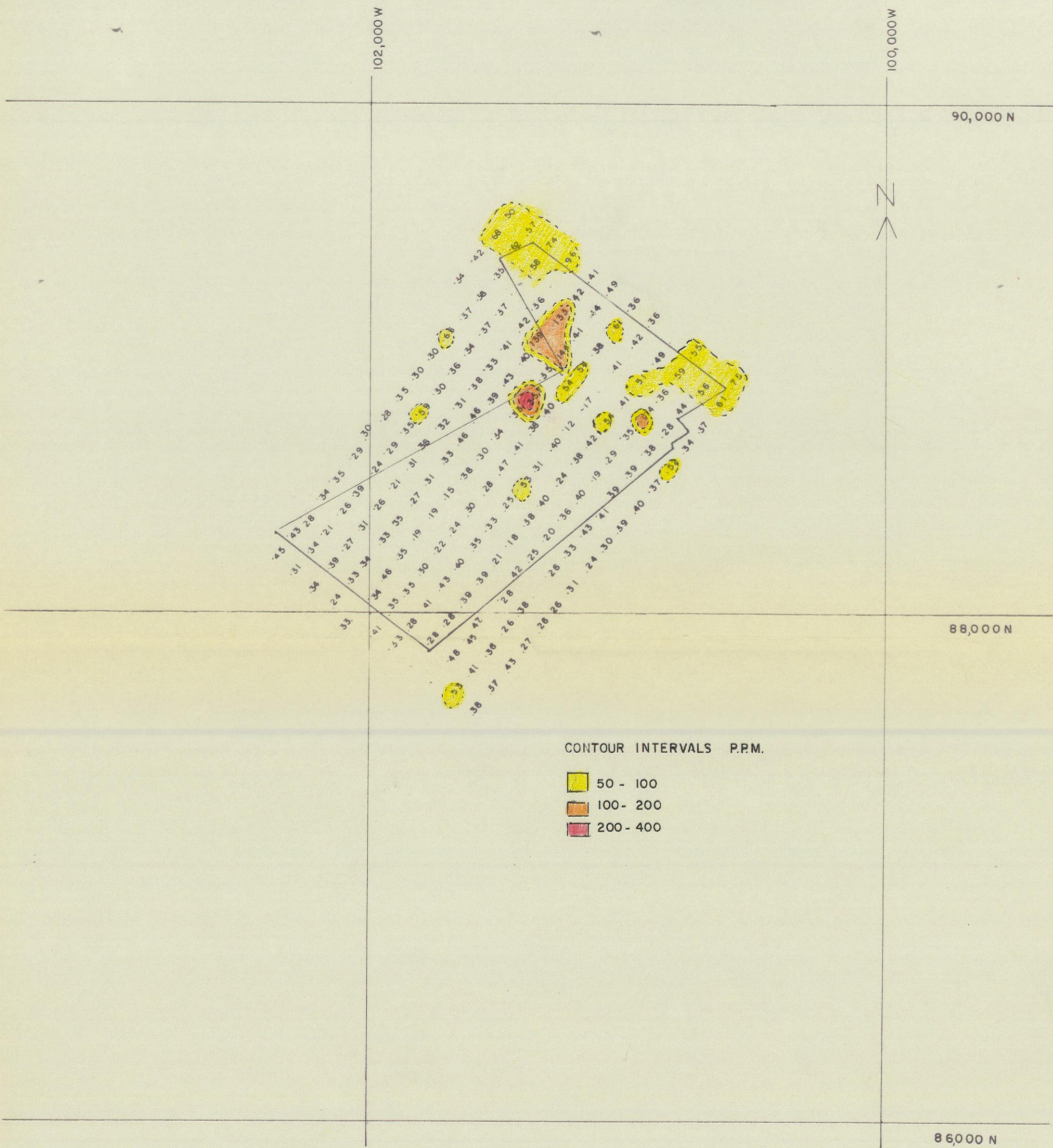
BOB

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GALAXY M.C.
SILVER VALUES (ppm)

SCALE: 1" = 400'
FIG. 3



GALAXY M.C.
LEAD VALUES (ppm)