

THE GRANBY MINING COMPANY LIMITED
PHOENIX COPPER DIVISION

July 12, 1963

TO..... Mr. P.R. Matthew (Manager)
FROM..... George Addie (Geologist)
SUBJECT..... Phoenix Field Geology

801950

Most of the time was spent on field traverses, checking out theories developed during the winter and mapping new structures. The last week was spent on mapping the Idaho Pit.

Idaho Mapping:

The ore beds suggest cross folding to the east making an "S" shape with the ironstones ore beds which are cross folded to the west.

Assays Obtained:

South of the "Bay" Mine, on the power line, there is a remnant of limestone which has been extensively garnetized. One bed has been replaced with magnetite and chalcopryite.

Cu. 0.77%
Ag. 0.85 oz/T
Au. Tr.
Zn. 1.60%

This area is worthy of further investigation. A magnetometer survey should be made.

Bay Mine: High grades galena samples were picked from the dump.

Cu. 0.20%
Ag. 10.0 oz/T
Pb. 7.30%
Zn. 1.75%
Au. 1.315 oz/T

Providence Mine: Highgrade samples, 2" wide, were obtained which assayed

Ag. 97.10 oz/T
Au. 0.49 oz/T

Jewel Mine: Highgrade sample from mine dump:

Ag. 7.0 oz/T
Au. 1.0 oz/T

Morning Star Mine: Checking the "Mirror Image Theory". The mineralization is in a small magnetite dyke and assays

Cu. 2.80%
Ag. 1.90 oz/T
Au. 0.25 oz/T

The Ag/Au ratio of 7.5 would fit the Summit Camp, Ag/Au ratio curve exactly. However the mineralization is too small to warrant further investigation.

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Mt. Attwood: Checking the Ironsides south strike Theory. Near the junction with the #7 road there is a small amount of copper mineralization replacing limestone. It assays:

Cu. 1.20%
Ag. 0.75 oz/T
Au. 0.10 oz/T

The showing is too small to warrant further investigation at this time.

Conclusion:

1. The area south of the Bay Mine warrants further investigation.
2. The Bay, Providence or Jewel, Mines could supply low grade silver and gold ore to upgrade our concentrates, if necessary.

New Papers:

"A Report on the Extraction of Fossils from Limestone by Dissolution" by G. D. Feir - His drawings of the fossils obtained are particularly good.

GA:js
cc: 2

G. Addie

