

842754

IRON MOUNTAIN PROPERTY

HISTORY

| <u>Year</u> | <u>Current Name</u> | <u>Owner or Operator</u> | <u>Work</u> |
|-------------|---------------------|-------------------------------------|---|
| 1927 | Leadville | Emmett Todd | Discovery of showing. |
| 1927,28 | " | | Shaft sunk to 70' depth. |
| 1929 | " | Comstock of B.C. Ltd. | 1000 acres of claims staked. Great plans. Nothing forthcoming. |
| 1947 | Lucky Todd | George Hunter and partners | Shaft rehabilitated. 36 tons ore shipped to Trail, yielding 67 oz Ag, 11, 819 lb. Pb, and 484 lb. Zn. |
| 1951 | " | Granby Mining Corp. | Shaft de-watered. |
| 1966 | " | ? | Some work? |
| 1968-74 | Makelstin | Acoplomo Mining and Development Co. | Total of approx. > 24 mi. Magnetometer surveys > 24 mi. EM (VLF?) surveys 180 Sas. Soil surveys 586' Diamond drilling |
| 1977 | One Sixty One | Quintana Minerals Corp. | Geologic mapping. |
| 1978 | | | Regional 1:15,000 mapping by W.J.McMillan, B.C.D.M., due for publishing in 1979. |

SUMMARY NOTES
IRON MOUNTAIN PROSPECT
M491

- Location: 5 km S. of Merritt, B. C. N.T.S. 92 I/2
- History: Long, sporadic. See attached sheet.
- Access: Excellent, close to planned Coquihalla Valley highway. Recent logging has provided an abundance of drivable trails and considerable new rock exposure on the property.
- Geology: A 22 m shaft was sunk in 1927 and 1928 on a barite "vein" averaging 2 m in width. This vein, about 100 m long, had reported sample yields as follows:

| <u>Depth in shaft</u> | <u>Width</u> | <u>oz Ag</u> | <u>% Pb</u> | <u>% Zn</u> |
|-----------------------|--------------|--------------|-------------|-------------|
| 10 m | 3 m | 2.0 | 8.4 | 3.0 |
| 15 m | 1 m+ | 1.4 | 18.0 | 2.0 |
| 22 m | 1.8 m | "ore grades" | | |

In general, Au is reported in trace amounts, and Ag is quite variable. Some barite, lacking in galena, has yielded good Ag assays.

The collar of the shaft is located at a rhyolite/sediment contact, within Triassic Nicola Group volcanics. Lithologies on the property as a whole include fragmental and massive volcanics of rhyolite and andesite composition, aquagene tuffs, greywackes and limestones.

Specific items of geological and economic significance include:

- 1) The old shaft and principal vein.
- 2) Cu/Specular hematite mineralization 800 m SW of the shaft.
This may also be at a rhyolite/sediment contact.
- 3) Cu/quartz showings 800 m ENE of the shaft.
- 4) An area of high rock geochemistry, (Cu to 1630 ppm, Pb to 1300 ppm, Zn to 8400 ppm), 600 m NE of the shaft.
- 5) A gypsum rich tuff 400 m E of the shaft.
- 6) Graded sulphide bedding and sulphide fragments in sediments 1300 m SE of the shaft.
- 7) Other small showings of Pb and/or barite 300m W of the shaft, and 500 m S of the shaft.

No detail is yet available to amplify the above comments. However, together, they comprise a fairly clear volcanogenic sulphide assemblage well worthy of further investigation. They cover an immediate area of interest approximately 1.5 km x 2.5 km in size, although recent regional mapping has indicated that the same lithologies, including local areas of rhyolitic pyroclastics, are present over a distance of at least 8 km.

Recommendations:

Cost

| | | | |
|--|------------------|-------------|------------------------|
| 1. Acquisition of all previous assessment reports to further define area of interest, airphotographs, suitable base maps, etc. | | | \$ 500. |
| 2. Upgrading or replacement of present grid prior to 7 July assessment work deadline. 50 m line spacing. 10 km @\$250. (minimum) | | | 2,500. |
| 3. Geologic mapping of central area at scale of 1:2500, plus reconnaissance mapping and prospecting on and near the claim block. 20 man days, including assays, some rock geochemistry, etc. | | | 4,000. |
| 4. Other costs: | Property payment | \$2,000. | |
| | Fees | 500. | |
| | Contingency | <u>500.</u> | |
| | | \$3,000. | <u>3,000.</u> |
| Minimum 1979 Budget | | | (Can) <u>\$10,000.</u> |