

field

842752

E
M

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 at 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. *Sandy's Trench ①*
- 3) Cu/quartz showings 800 m ENE of the shaft. *56N 52E.*
- 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) \$10,000.

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.