

## NAME OF PROPERTY

PARSON MINE

OBJECT LOCATED - Center of Lot 14351.

UNCERTAINTY IN METERS -50. Lat. 51°01'31" Long. 116°38'58"

Mining Division Golden District Kootenay

County Township or Parish

Lots 14351, 14352, 15734 Concession or Range

Sec Tp. R.

## OWNER OR OPERATOR AND ADDRESS

Mountain Minerals Limited.

## DESCRIPTION OF DEPOSIT

The barite is in two parallel fissure veins about 300 feet apart. They trend north 10° west and dip steeply west, cutting diagonally across a series of metamorphosed sedimentary rocks that strike north 50° west and dip steeply to the southwest. These rocks consist of a series of quartzites underlain by dolomite and shales, belonging to the Lower Cambrian St. Piran and Lake Louise formations. These beds appear to be in the east limb of a major syncline, the axis of which lies to the southwest. The fissures undulate both along strike and down dip. This curving nature, combined with movement of the walls, has caused pinches and swells in the veins. The west vein has an exposed length of 200 feet and a maximum width of thirty feet; the east vein has a 450-foot exposed length and a maximum width of thirty-five feet.

The colour of the barite grades from white to bluish, much of it being iron stained. In general, it is crystalline and whitest on the hangingwall side of the vein with a tendency to be more iron stained, and in some places, to form breccia with the quartzite on the footwall. Analyses of three samples taken in 1952 run as follows:-

Associated minerals or products of value

## HISTORY OF EXPLORATION AND DEVELOPMENT

This property is situated at an elevation of 3,700 feet in the Columbia River Valley, three and a half miles south of Parson and about twenty-five miles southeast of Golden. It consists of three claims, the Hilltop (Lot 14351), Snow Drop (Lot 14352) and Honest John (Lot 15734); the first two of these being Crown-granted to Summit Lime Works Limited in May 1942.

The deposit was first mined by Summit Lime Works Limited who required the barite for their plant in Lethbridge, Alberta. In 1944 the Northern Construction Company and J.W. Stewart Limited took over operations and shipped the material to be used as ballast in Liberty ships.

In 1946 Mountain Minerals Limited acquired the property and have since been making regular shipments, some going to Lethbridge, Alberta, but most to Montreal. The workings consist of three quarries, two of which are on the east vein. By 1954 the company had to start using underground mining methods and did about 650 feet of drifts, crosscuts and raises. In 1968 they did 435 feet of diamond drilling and 650 feet of percussion drilling.

Mineral Resources Branch, Department of Energy, Mines and Resources, Ottawa.

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# HISTORY OF PRODUCTION

(incl. 1970)

Barite has been shipped in variable quantities from this deposit since 1941, and in 1973 the property was still producing. Shipments up until 1971 totalled 71,380 tons. Of this amount, 45,000 tons was produced in 1944 and 1945 to serve as ballast for Liberty ships. The remainder has been used in the glass and pigment trades.

# REFERENCES

McCammon, J.S.; Hilltop, Snowdrop; Report of Minister of Mines, British Columbia, 1952, pp. 243-245.

Reports of Minister of Mines, British Columbia; 1944, pp. 80-81; 1945, p. 130; 1946, pp. 203-204; 1947, pp. 203-204; 1948, p. 183; 1949, p. 246; 1950, p. 217; 1952, pp. 243-245; 1953, p. 185; 1954, p. 175; 1955, p. 90; 1956, p. 148; 1957, p. 77; 1958, p. 84; 1961, pp. 140-141; 1962, p. 147; 1963, p. 138; 1964, pp. 178-181; 1965, pp. 258-259; 1966, p. 260; 1967, p. 300; 1968, p. 296.

Geology, Exploration and Mining; British Columbia Dept. of Mines: 1969, p. 382; 1970, p. 490; 1971, p. 455.

Mineral Resources Branch; Corporation Files: "Mountain Minerals Limited".

Mineral Resources Branch; Commodity Files: M.C.-167-B-2-9.

Mines Branch, Ottawa; Investigation Report I.R. 60-18, Concentration of Barite Samples from Mountain Minerals Limited Mines in British Columbia.

# MAP REFERENCES

- Fig. 22, Barite Quarries near Parson, (Geol. and Topo.), Sc. 1":100 feet, accompanying McCammon, 1952.
- Map 82 N (MI), Preliminary Mineral Inventory Map, Sc. 1: 250,000, B.C. Dept. of Mines and Petroleum Resources.
- \*Map 82 N/2 E, McMurdo, (Topo.), Sc. 1:50,000.

# DESCRIPTION OF DEPOSIT (continued)

Sample No.	BaO (%)	SO <sub>3</sub> (%)	CaO (%)	SrO (%)	Fe (Total) (%)	CO <sub>2</sub> (%)	Specific Gravity
1	61.78	33.73	0.14	1.63	0.01	0.05	4.341
2	63.46	34.56	0.12	1.54	0.02	0.04	4.333
3	62.49	33.83	0.10	1.34	0.01	0.07	4.321

Comp./Rev. By	C D						
Date	11-73						