

NAME OF PROPERTY **BV, SULPHUR CREEK**

OBJECT LOCATED - **from Mineral Inventory Map 94 N, B.C. Dept. of Mines.**

UNCERTAINTY IN METRES **Lat. 59°03'30" Long. 125°42'20"**

Mining Division **Liard** District **Cassiar**

County Township or Parish

Lot Concession or Range

Sec Tp. R.

OWNER OR OPERATOR AND ADDRESS

**DESCRIPTION OF DEPOSIT**

The Sulphur Creek stratiform bedded barite deposit is the largest known occurrence of barite in northeastern British Columbia. Barite and dolomite, in beds from several centimetres to tens of centimetres thick, are interbedded in a 15 m thick unit at the base of the Stone Formation. The exposed breadth of the deposit is about 100 m and it rests directly upon orange and brownish-red argillaceous siltstone of the Wokkpash Formation. Hand samples show that solution of the host dolomite occurred before or contemporaneous with precipitation of open space-filling cement. Solution occurred preferentially along bedding planes and was accompanied by some collapse of dolomite fragments into solution-widened porosity. Solution collapse also appears to have been contemporaneous with mineralization. In some places, layers of fibrous barite several centimetres thick have undergone collapse. In these layers, blades or needles of barite have precipitated in fibrous arrays on a corroded foundation of dolomite. Very coarsely crystalline calcite fills pores left unfilled by the growth of barite crystals and fills the inter-fragment pores of collapse breccias.

Associated minerals or products of value

**HISTORY OF EXPLORATION AND DEVELOPMENT**

The BV property is located at approximately 6,000 feet elevation, 3 miles east of the north end of Muncho Lake. Delta Explorations Ltd. held the BV group of 15 claims. A geological survey was carried out in 1968 and bulk sampling in 1970. The location of the Sulphur Creek showings, although not known precisely, are apparently in the same vicinity.

HISTORY OF PRODUCTION

REFERENCES

Canadian Mines Handbook, 1968-1969 and 1971-1972.

Numerical List of Geological, Geophysical, and Geochemical Reports 1947-1970, British Columbia Dept. of Mines, p. 34.

Dawson, K.R.; Barite, Fluorite, and Celestite Deposits and Occurrences in Canada; Paper 75-1 A, p. 257, Geol. Surv. of Canada.

Morrow, D.W.; A Hypothesis Concerning the Origin of Barite in Devonian Carbonate rocks of northeastern British Columbia; The Canadian Journal of Earth Sciences, Vol. 15, Sept. 1978, p. 1392.

MAP REFERENCES

Map 1000 A, Northeastern British Columbia, (Geol.), Sc. 1": 10 miles - accomp. Memoir 259, Geol. Surv. of Canada, 1950.

\*Map 94 N/4, Trout River, (Topo.), Sc. 1:50,000.

REMARKS

Comp./Rev. By	DMacR	DMacR					
Date	9-76	1-79					