

NAME OF PROPERTY POCO (MOUNT BURDEN)

OBJECT LOCATED Location from Mineral Deposit Inventory,  
Map No. 94 B-7, B.C. Dept. of Mines.

UNCERTAINTY IN METRES 2,000. Lat. 56°11.4' Long. 123°22.9'

Mining Division Liard District Peace River

County Township or Parish

Lot Concession or Range

Sec Tp. R.

OWNER OR OPERATOR AND ADDRESS

DESCRIPTION OF DEPOSIT

A thrust plate of Ordovician and Silurian carbonate rocks and shales overlies shale and arenite of Triassic age.

Galena occurs as scattered blebs within Presqu'ile-type dolomite crosscutting micritic limestone assigned to the upper part of the Stone Formation. The galena also is associated closely with quartz replacement of carbonate. On a scale of a few feet at this locality, normal micritic limestone is replaced almost entirely by a tightly interlocking mosaic of quartz crystals, with which some of the galena is associated. Semi-quantitative X-ray diffraction analysis of a sample of Presqu'ile-type dolomite from this locality yielded 11 per cent smithsonite (ZnCO<sub>3</sub>) and 1 per cent sphalerite, neither of which was detected in the field. This locality appears to be one of massive replacement of pre-existing carbonates of the upper Stone Formation by quartz and Presqu'ile-type dolomite, with associated metallic mineralization. The locality is structurally complex, with numerous minor cross-faults evident. There is no obvious evidence of solution brecciation on any scale. It may be significant that the mineralization at this locality, although it occurs in the Stone Formation, is located close to the carbonate-shale facies change in the overlying Pine Point beds. Alternatively, but perhaps less likely, the mineralization could be related to either the unconformity at the top of the Stone Formation, or to the common cross-faulting, or to all three.

Associated minerals or products of value - Lead.

HISTORY OF EXPLORATION AND DEVELOPMENT

The showings are located at approximately 6,000 feet elevation 2 miles northeast of Mount Burden and some 24 miles northeast of Findlay Forks.

The POCO 1-62 claims were held by Union Oil Company of Canada Limited. Geological mapping was reported in 1972 and 1974.

HISTORY OF PRODUCTION

REFERENCES

Macqueen, R.W., and Taylor, G.C.; Devonian Stratigraphy, Facies Changes, and Zinc-Lead Mineralization, South-western Halfway River Area; Paper 74-1, Pt. A., p. 329, Geol. Surv. of Canada. +  
 Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1972, p. 460; 1974, p. 288.

MAP REFERENCES

Map 1232 A, Halfway River, (Geol.), Sc. 1":4 miles - accomp. Paper 69-11, Geol. Surv. of Canada.  
 Location Map and Stratigraphic cross-section, Fig. 1, Paper 74-1, Pt. A., p. 328.  
 Map 94 B/3 W, Ne-Parle-Pas Rapids, (Topo.), Sc. 1:50,000.

REMARKS

Comp./Rev. By	DMacR	DMacR					
Date	9-74	5-76					