

NAME OF PROPERTY

PEN

OBJECT LOCATED -showings.

UNCERTAINTY IN METERS

Lat. 59°18.3'

Long. 131°42.9'

Mining Division **Atlin**

District

Cassiar

County

Township or Parish

Lot

Concession or Range

Sec

Tp.

R.

OWNER OR OPERATOR AND ADDRESS

DESCRIPTION OF DEPOSIT

The claims are underlain by hornblende syenodiorite, part of the Christmas Creek batholith. Chalcopyrite and bornite occur in quartz-orthoclase veins, averaging $\frac{1}{4}$ inch thick. Chalcopyrite also occurs in xenoliths and clots of hornblendite in the diorite. A few narrow quartz veins carry molybdenite or galena.

Associated minerals or products of value - **Molybdenum, lead.**

HISTORY OF EXPLORATION AND DEVELOPMENT

The property is located at the head of Christmas Creek in the Atsutla Range, about 60 miles west of Cassiar.

The Pen 1-4, 11-16 claims were owned in 1971 by New Jersey Zinc Exploration Company (Canada) Ltd. Work during the year was carried out by El Paso Mining and Milling Company and included geological mapping and reconnaissance geochemical sampling.

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

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HISTORY OF PRODUCTION

REFERENCES

Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1971, p. 54.

Watson, K.De. P. and Matthews, W.H.; The Tuya-Teslin Area, Northern British Columbia; Bulletin No. 19, p. 41, British Columbia Dept. of Mines, 1944.

Gabrielse, H.; Geology of Jennings River Map-Area, British Columbia; Paper 68-55, p. 35, Geol. Surv. of Canada, 1969.

MAP REFERENCES

Map 18-1968, Jennings River, (Geol.), Sc. 1:250,000 - Accomp. Paper 68-55.

Map 104 0, Jennings River, (Topo.), Sc. 1:250,000.

Tuya-Teslin Area, (Geol.), Sc. 1":4 miles - Accomp. Bulletin No. 19, British Columbia Dept. of Mines.

REMARKS
 Location from Mineral Deposit Inventory, Property No. 5546, British Columbia Dept. of Mines.
 See also - Irv, 104 0/5, Cu 1.

BCI 104 0 - 9

Comp./Rev. By	DMacR						
Date	3-74						