

NAME OF PROPERTY

ARC

OBJECT LOCATED - Location from Geology, Exploration, and Mining, 1972.

UNCERTAINTY IN METRES

Lat. 57°26'

Long. 131°00'

Mining Division Liard

District

Cassiar

County

Township or Parish

Lot

Concession or Range

Sec

Tp.

R.

OWNER OR OPERATOR AND ADDRESS

HISTORY OF EXPLORATION AND DEVELOPMENT

The property is located between elevations of 4,000 and 5,500 feet on the east side of Schaft Creek, 31 miles south of Telegraph Creek.

Columbia River Mines Ltd. in 1972 held the Arc 1-40, Port and Rose groups. Phelps Dodge Corporation of Canada, Limited optioned the property and carried out geological mapping, induced polarization and geochemical soil and rock sample surveys, trenching on Arc 20, 22, and 24, and 207 feet of diamond drilling in 1 hole on Arc 24. The option was subsequently given up. The company name (Columbia River) was changed in 1973 to Consolidated Columbia River Mines Ltd.

DESCRIPTION OF DEPOSIT

Mineralization consisting of chalcopyrite as fracture fillings and quartz veins with chalcopyrite and/or bornite and rare pyrite is developed in a quartz monzonite stock. The intrusion is a pink, medium to coarse-grained biotite-hornblende quartz monzonite of Upper Cretaceous to Lower Tertiary age that intrudes Upper Triassic andesite flows and pyroclastic rocks.

Copper mineralization is widespread but low grade and discontinuous. It is best developed in northwesterly trending fracture, shear, and fault zones. Hydrothermal alteration of the quartz monzonite is only weak and is probably deuteric in origin. A local pink to reddish colouration is apparently caused by hematitic staining rather than K-feldspar.

Minor chalcopyrite, bornite, and chalcocite occur erratically in the volcanic rocks and some increase in chalcopyrite with attendant copper carbonate staining was noted along the quartz monzonite-volcanic contact.

Associated minerals or products of value

120549

Mineral Development Sector, Department of Energy, Mines and Resources, Ottawa.

HISTORY OF PRODUCTION

REFERENCES

Geology, Exploration, and Mining; British Columbia Dept. of
Mines: 1972, p. 528.

MAP REFERENCES

Map 11-1971, Telegraph Creek, (Geol.), Sc. 1:250,000 -
accomp. Paper 71-44, Geol. Surv. of Canada.

Map 104 G/6, Scud Glacier, (Topo.), Sc. 1:50,000.

REMARKS

Comp./Rev. By	DMacR						
Date	4-76						

BCI - 104 G - 78.