

PRODUCT

COPPER

PROVINCE OR TERRITORY  
British Columbia

N.T.S. AREA 104 G/3

REF. CU 8

NAME OF PROPERTY GALORE CREEK-WEST RIM ZONE

OBJECT LOCATED - mineralized zone.

UNCERTAINTY IN METRES 200. Lat. 57°08'35" Long. 131°29'30"

Mining Division Liard District Cassiar

County Township or Parish

Lot Concession or Range

Sec Tp. R.

## HISTORY OF EXPLORATION AND DEVELOPMENT

The West Rim mineralized zone is located at an elevation of about 4,200 feet at the head of the north fork of Dendritic Creek,  $1\frac{1}{2}$  miles west of the north end of the Central Zone. The West Rim zone is at the north edge of the BUY 7 claim (Lot 6885). For the history of the Galore Creek property see Ref. CU 1.

## OWNER OR OPERATOR AND ADDRESS

Stikine Copper Limited.

## DESCRIPTION OF DEPOSIT

The Galore Creek deposits occur in highly fractured zones within and adjacent to a complex syenite body that cuts Upper Triassic sedimentary and volcanic rocks. The syenite and the surrounding rocks are intensely altered. The original mafic constituents and feldspars are replaced by hydrothermal biotite, potash feldspar and epidote with minor gypsum and anhydrite, garnet, chlorite and carbonate.

According to Barr (1965), "The copper deposits at Galore Creek share many of the characteristic features common to both the porphyry copper type of mineralization and that of pyrometasomatic deposits. Features common to porphyry copper deposits include the disseminated character of much of the mineralization, and its relationship to hydrothermal biotite and potash feldspar alteration in shattered and brecciated areas. The prevailing linearity, in plan, of the deposits and their proximity to contacts of porphyritic masses with attendant skarn mineral assemblages are features indicative of a pyrometasomatic origin. The relationships of the deposits to intrusive contacts, and

see Card 2 ....

Associated minerals or products of value

120542

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

HISTORY OF PRODUCTION

REFERENCES

- Barr, D.A.; The Galore Creek Copper Deposits; The Canadian Mining and Metallurgical Bulletin, Vol.59, No. 65, pp. 841-853, July 1966. +
- Jeffery, W.G.; Geology of Upper Galore Creek; Report of Minister of Mines, British Columbia, 1965, pp. 19-29. ++
- Souther, J.G.; Telegraph Creek Map-Area, British Columbia; Paper 71-44, p. 24, Geol. Surv. of Canada, 1972.

MAP REFERENCES

- Map 11-1971, Telegraph Creek, (Geol.), Sc. 1:250,000 - accomp. Paper 71-44, Geol. Surv. of Canada.
- #Geology of Upper Galore Creek, Sc. 1":4,000 ft., Fig. 2, Report of Minister of Mines, British Columbia, 1965.
- \*Map 104 G/3, Sphaler Creek, (Topo.), Sc. 1:50,000.

REMARKS

Comp./Rev. By	DMacR						
Date	4-76						

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GALORE CREEK-WEST RIM ZONE

## DESCRIPTION OF DEPOSIT (continued)

zones of weakness indicate the importance of structural controls."

The West Rim deposit is partly exposed in outcrops at an elevation of about 4,200 feet near the west margin of the Complex. The deposit occurs in metasedimentary and metavolcanic rocks which are intruded by a variety of equigranular and porphyritic dykes. Chalcopyrite and bornite occur as erratic replacements in a northerly-trending zone which dips steeply to the west.