

PRODUCT

COPPER

PROVINCE OR  
TERRITORY

British Columbia

N.T.S. AREA 82 L/6

REF. Cu 1

NAME OF PROPERTY

HUD &amp; HUGAL (GOODENOUGH)

LOCATION-Symbol on Map 82 L/SW (M1).

Uncertainty radius - 2 miles. Lot. 50°18'20" Long. 119°27'54"

Mining Division Vernon

District Osoyoos

County

Township or Parish

Lot

Concession or Range

Sec.

Tp.

R.

OWNER OR OPERATOR AND ADDRESS

Hudson Bay Exploration &amp; Development Company Limited.

## DESCRIPTION OF DEPOSIT

Mineralization occurs in a wide iron-stained zone at the contact of Coast Range batholithic rock with Carboniferous calcareous sedimentary and volcanic rocks. A shear zone, striking north-northeast, forms the foot-wall of the orebody. Chalcopyrite, chalcocite, pyrrhotite, magnetite and pyrite, occur in veinlets, disseminations and irregular streaks. The deposit is quite extensive but of low grade with copper ranging from 1 to 8%; gold, 0.3 oz./ton; and silver, 0.5 oz./ton.

Associated minerals or products of value - Gold.

## HISTORY OF EXPLORATION AND DEVELOPMENT

This group is located about two miles west of Okanagan Lake between Equesis and Nashwito Creeks at an elevation of 2,500 feet above sea level. At the turn of the century, the claims of the group were staked and restaked under different names and explored by various individuals and companies. The workings consisted of shallow shafts and opencuts. By 1924, it was known as the Goodenough Group, owned by H.J. Blurton. In 1929, the Okanagan Copper Mining Company, Limited (NPL), was formed to acquire 17 claims covering about 800 acres from the Vancouver and Okanagan Mining Syndicate.

In 1962, the group had expanded to 28 claims, designated B.R. 1-20 and Win Art 3-10, and diamond drilling in six holes for a total of 902 feet was carried out by Highland Valley Mining Corporation Ltd.

In 1963, Empire Development Company, Limited, optioned the group from Alfred Holmwood and conducted geochemical and geophysical surveys, followed by bulldozer trenching. The following year they drilled 3,371 feet in ten holes on anomalous areas and then dropped their option.

By 1969, the property consisted of forty-two claims (Hud 1-22 and Hugal 1-20) held by Hudson Bay Exploration and Development Company Limited.

## HISTORY OF PRODUCTION

## REFERENCES

Reports of Minister of Mines, British Columbia: 1899, p. 746; 1900, pp. 886, 887; 1902, p. 189; 1904, p. 228; 1921, p. 191; 1924, p. 140; 1929, p. 247; 1962, p. 66; 1964, p. 104.

Geology, Exploration, and Mining, British Columbia Dept. of Mines: 1969, p. 299.

Cairnes, C.E.; Mineral Resources of Northern Okanagan Valley, British Columbia; Summary Report 1931, Part A, pp. 91-92, Geological Survey of Canada.

Jones, A.G.; Vernon Map-Area, British Columbia; Memoir 296, p. 144, Geological Survey of Canada, 1959.

Mineral Resources Branch; Resource File: MR-Cu-301.00 - Copper, British Columbia (see 167-C3-2-93).

## MAP REFERENCES

Map 82 L/6 West, Vernon, (Topo.), Sc. 1:50,000 - Dept. of Mines and Technical Surveys, 1957.

Map Sheet 82 L/SW (MI), Preliminary Mineral Inventory Map, Vernon, Sc. 1":2 miles - B.C. Dept. of Mines & Petroleum Resources, 1967.

Map 48-4, Salmon-Arm, (Geol. & Topo.), Sc. 1":4 miles - accompanying Paper 48-4, Geol. Surv. of Canada, 1948.

Map 1059 A, Vernon, (Geol. & Topo.), Sc. 1":4 miles - accompanying Memoir 296, Geol. Surv. of Canada, 1959.

Map 7216 G, Vernon, (Aeromag.), Sc. 1":4 miles.

## REMARKS

Latitude and longitude measured on Map Sheet 82 L/SW (MI), Preliminary Mineral Inventory Map.

BCI-82L/SW-H

JULY 1973