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TERRITORY TERRITOIRE

British Columbia

N.T.S. AREA 104 I/4
RÉGION DU S.N.R.C.

REF. CU 1
RÉF.

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

DALVENIE (BIG CHIEF)

OBJECT LOCATED
OBJET LOCALISÉ

UNCERTAINTY
FACTEUR D'INCERTITUDE

Lat. 58°11' Long. 129°53'
Lat. Long.

Mining Division Liard
Division minière

District Cassiar
District

County
Comté

Township or Parish
Canton ou paroisse

Lot
Lot

Concession or Range
Concession ou rang

Sec
Sect.

Tp.
Ct.

R.
R.

OWNER OR OPERATOR/PROPRIÉTAIRE OU EXPLOITANT

Copper Pass Mines Ltd.

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

The property lies on the western flank of the Hotailuh batholith, composed mainly of granodiorite and quartz monzonite. The intrusive rock in the immediate vicinity of the showings has been described as basic, probably basaltic to gabbroic plutons. These basic rocks have intruded an assemblage of porphyritic andesite and strongly folded argillite, quartzite, and chert. There are some diabase dykes. Mineralization has been exposed in trenches across a shear or fault zone up to 60 ft wide trending north 16° east. This zone, with variations in the width and intensity of shearing, can be traced over a distance of about 2,500 ft. Overburden is extensive and the exposures are oxidized with much iron staining. Linear depressions suggest a pattern of generally north-trending faults underlying the property. Mineralization is reported to consist of pyrite, chalcopyrite, arsenopyrite, bornite and magnetite along with a gangue of altered rock, quartz, and some barite. There are values in gold and silver.

HISTORY OF EXPLORATION AND DEVELOPMENT
HISTORIQUE DE L'EXPLORATION ET DE LA MISE EN VALEUR

These claims lie on the east flank of Thenatlodi Mountain, about 20 miles south-southeast of the south end of Dease Lake. The property extends from the Cassiar-Stewart highway westward up slope to about the 5,100 foot elevation. The recorded claims extend along the west side of the highway. The showings on the Crown grants are at an elevation of about 5,100 feet.

The showings were originally staked in 1899 by J. Clearihue as the Big Chief group and have been restaked several times since. The Dalvenie Syndicate, of Victoria, acquired the property in 1935. The mineralized zone was traced for 1,200 feet by 13 shallow open-cuts. The Dalvenie 2 to 9, Mac, and New Deal 1 to 4 claims were Crown-granted in 1935; little work was done thereafter.

Copper Pass Mines Ltd., a private company, was formed in June 1966 to acquire the Crown-granted claims. Additional claims were staked in the Frac, Rac, Tac, Nat, Fog, Pass, and Lin groups. Work during the year included geological mapping, induced polarization and soil geochemical surveys, trenching, and some short X-ray diamond drill holes.

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

REFERENCES/BIBLIOGRAPHIE

Jeffery, W.G.; Dalvenie, Mac, New Deal; Report of Minister of Mines and Petroleum Resources, British Columbia, 1966, p. 21.

Mandy, J.T.; Dease Lake Area; Report of Minister of Mines, British Columbia, 1935, p. B 22.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 29-1962, Cry Lake, B.C., (Geol.), Sc. 1":4 miles.

Map 9-1957, Stikine River Area, B.C., (Geol.), Sc. 1":4 miles.

Map 104 I, Cry Lake, B.C., (Topo.), Sc. 1:250,000.

Map 104 I/4 W, Cake Hill, B.C., (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par							
Date Date	11-67						