

PRODUCT COPPER
PRODUIT

PROVINCE OR TERRITORY PROVINCE OU TERRITOIRE

British Columbia

N.T.S. AREA 103 P/12
RÉGION DU S.N.R.C.

REF. CU 3
RÉF.

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ LUCKY STRIKE, CASCADE FALLS, COPPER CREEK

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

OBJECT LOCATED
OBJET LOCALISÉ

UNCERTAINTY
FACTEUR D'INCERTITUDE

Lat. 55°44' Long. 129°35'
Lat. Long.

Mining Division Skeena
Division minière

District Cassiar
District

County
Comté Township or Parish
Canton ou paroisse

Lot
Lot Concession or Range
Concession ou rang

Sec.
Sect. Tp. R.
Ct. R.

OWNER OR OPERATOR/PROPRIÉTAIRE OU EXPLOITANT

This property is located between elevations of 3,500 and 4,900 feet on the ridge between West Kitsault River and Home-stake Creek, 18 miles north-northwest of the community of Alice Arm.

The Lucky Strike group of 8 claims was located prior to 1922 by J. Hauber, W. McLean, and associates of Alice Arm. The group consisted of, from south to north, the Rambler, Sunnyside, Porcupine, Cascade Falls, Lucky Strike, Lucky Strike Fraction, Silver Crown, and Siren claims. Intermittent exploration work by the owners during the period 1922 to 1934 was done in open cuts, shallow shafts and a short crosscut adit. Some of the claims were subsequently allowed to lapse. In 1951 the Cascade Falls and Sunnyside claims were owned by J. Hauber, and the Lucky Strike claim by W. McLean.

The Lucky Strike, Cascade Falls, and Copper Creek groups, totalling 31 recorded claims, were in part a relocation of the old claims of the same names. These claims were owned in 1965 by D. Collinson, of Alice Arm.

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

Feldspar porphyries, pyritic in part and of quartz diorite composition, underlie most of the area covered by the claims. Elongate roof pendants of sedimentary rocks, including siltstones and argillites, are present with their long axis in a northwest direction and are up to 2,000 feet in length. Mineralization occurs in two forms: as veins and replacements in bedding shears in the sedimentary rocks and as veins in east-northeast fractures and shear zones in the feldspar porphyries. On the Lucky Strike group quartz-calcite veins containing chalcopyrite, galena, sphalerite, and pyrite occur in a shear zone in argillaceous rocks. The zone is locally 15 feet wide and can be traced for 100 feet along a northwest strike. South of the above showing a 1-foot-wide quartz vein exposed in an open cut strikes east and contains 2-inch stringers of near massive sulphides including tetrahedrite, galena, stibnite, and sphalerite. Twenty-five feet east of the open cut, disseminated galena is contained in silicified feldspar porphyry. On the Cascade Falls claims, one showing consists of a north-westerly striking, north-dipping 5 foot wide quartz vein in argillites. Disseminated galena, sphalerite, chalcopyrite,

p.t.o.

Associated minerals or products - Zinc, lead.
Minéraux ou produits associés

Mineral Policy Sector, Department of Energy, Mines and Resources, Ottawa
Secteur de la politique minière, ministère de l'Énergie, des Mines et des Ressources, Ottawa

500835 *

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT (continued)

and tetrahedrite occur in both the vein and silicified wallrock. A chip sample across 10 feet assayed: Gold, trace; silver, 0.9 ounce per ton; copper, 1.31%; lead, 0.05%; zinc, 0.05%. Several other showings on the Cascade Falls and Copper Creek groups occur as northeasterly striking 2-foot-wide quartz veins in feldspar porphyry and containing varying amounts of pyrite, galena, sphalerite, and chalcopyrite.

REFERENCES/BIBLIOGRAPHIE

Black, J.M.; Lucky Strike; Report of Minister of Mines, British Columbia; 1951, p. 87.

Reports of Minister of Mines, British Columbia:
1922, p. 57; 1930, p. 99; 1931, p. 38; 1932, p. 56;
1965, p. 65.

Hanson, George; Portland Canal Area, British Columbia;
Memoir 175, p. 71, Geol. Surv. of Canada.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Geology of Upper Kitsault Valley Area, Sc. 1":2,250 feet,
Fig. 1, Report of Minister of Mines, B.C., 1951, p. 79.

Map 1901, Upper Kitsault Valley, (Geol.), Sc. 1":3,000 feet -
accomp. Summary Report 1921, Pt. A.

Map 307 A, Portland Canal Area, B.C., (Geol.), Sc. 1":4 miles -
accomp. Memoir 175.

Map 103 P, Nass River, B.C., (Topo.), Sc. 1:250,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par							
Date Date	02-68						