

PRODUCT SILVER
PRODUIT

PROVINCE OR PROVINCE OU
TERRITORY TERRITOIRE

British Columbia

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

REF. AG 23
RÉF.

NAME OF PROPERTY L.L. & H., OLD CHUM, MONTREAL
NOM DE LA PROPRIÉTÉ

OBJECT LOCATED
OBJET LOCALISÉ

UNCERTAINTY
FACTEUR D'INCERTITUDE

Lat. 56°00'20" Long. 129°45'

Lat. Long.

Mining Division Skeena
Division minière

District Cassiar

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

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

The country rock consists of argillite of the Hazelton group intruded by augite porphyrite. On the L.L. & H. three fissure zones strike southeast and dip northeast. The middle zone is 1,000 feet or more long and up to 12 feet wide. One of the other zones is about 12 feet wide. All are mineralized with quartz, arsenopyrite, galena, pyrite, chalcopyrite, and sphalerite. A sample taken at the portal of the lower adit across 4 feet on the east side of the working assayed: Gold, 0.34 ounces a ton; silver, 1.6 ounces a ton; copper, 0.2%; lead, nil; zinc, 1.0%. On the Old Chum there are 3 parallel, easterly striking, quartzose zones in a space of 130 feet, mineralized with pyrite, chalcopyrite, sphalerite, and galena. The center lead, about 4 feet wide, consists of quartz and decomposed slates containing galena in grains and bunches, and pyrite. The galena is reported to carry up to 80 ounces in silver a ton and \$2 in gold a ton. The south lead is seamed with mineralized quartz stringers for a width of 15 feet. The north lead, about 6 feet wide, is mineralized chiefly with pyrite. The Montreal group was staked on the contact between the Bitter Creek and Bear River formations. The showings consist of several deeply weathered narrow veinlets containing galena and sphalerite. Associated minerals or products: Gold, lead, zinc, copper,

Minéraux ou produits associés

HISTORY OF EXPLORATION AND DEVELOPMENT

HISTORIQUE DE L'EXPLORATION ET DE LA MISE EN VALEUR

Several claim groups have been located on Hartley Gulch, a westerly flowing tributary at the headwaters of Bitter Creek, some 10½ miles northeast of Stewart. The LL. & H. group of 12 claims extended southeasterly along the east side of Bromley Glacier and Easterly along the north side of Hartley Gulch between elevations of 1,500 and 6,000 feet. The Old Chum group of 4 claims extended easterly along the south side of Hartley Gulch between elevations of 2,000 and 4,000 feet. The Montreal group was located adjoining the L.L. & H.

In about 1910 Messrs. Lydden, Lode, and Harkley staked the L.L. & H. and Old Chum groups. The Old Chum group consisted of the Old Chum claim Nos. 1-3 and the Arrowhead claim. Exploration work on this group during 1910-1912 included open cuts and a 30 foot long adit. The L.L. & H. group included the Union Jack, Famous, Skylark, Sunshine, Ptarmigan, Red Mountain, and Forget-me-not claims. Exploration work during 1910-11 was done in open cuts and 2 short adits. In 1920 the property was under bond to C. Tubman of Victoria. In 1921 the owner, Jack Harkley, carried out further exploration work on the property.

During the following years the claims apparently lapsed and the L.L. & H. group was restaked as the Fidelity, Fidelity Nos. 1-8, and the H.C.H. claims. Bitter Creek Mines, Limited was formed in April 1928 to develop the property. The Marmot Metals Mining Company, Limited optioned the property and some exploration work was done late in 1928. During 1929 the Northern Metals Holding Syndicate held an option on the property and further work was done in both adits. Bitter Creek Mines surrendered its charter in 1931 and the property was restaked that same year by Jack Harkley, apparently as the Bon Accord group. Further work was done in the old adits. The lower adit, at elevation 3,417 feet, was extended to a length of about 360 feet; the upper adit, at elevation 3,507 feet, was extended to 80 feet.

The property was bonded to Victoria interests who formed Playfair Gold Mines, Limited in June 1934, however, no development work was done by the company until 1941 when a contract was let to drive a new crosscut adit to intersect the veins. During the summer, 450 feet of crosscut was driven and the first vein, 30 inches wide, was intersected. The company charter was surrendered later in the year.

p.t.o.

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

In 1942 the property was held by J.O. LeFrancis. During the summer the vein was drifted on for 70 feet from the lower (3rd) crosscut adit.

Open cutting was reported on ground adjoining the L.L. & H. group in 1945 and the Montreal group was staked on these showings in 1946.

Tenajon Silver Corp. (Rept. in SMF 42/81).

Kingston Hill in 1954

REFERENCES/BIBLIOGRAPHIE

Reports of Minister of Mines, British Columbia:

1910, pp. 64, 66, 77; 1911, p. 75; 1912, p. 109;
 1920, p. 57; 1921, p. 66; 1928, p. 103; 1929, p. 97;
 1931, p. 43; 1932, p. 59; 1934, p. B 23; 1941, p. 54;
 1946, p. 81.

McConnell, R.G.; Portions of Portland Canal and Skeena Mining Divisions, Skeena District, B.C.; Memoir 32, p. 56, Geol. Surv. of Canada, 1913.

Hanson, George; Portland Canal Area, British Columbia; Memoir 175, pp. 126, 134, Geol. Surv. of Canada, 1935.

Mineral Policy Sector; Corporation Files: "Bitter Creek Mines Limited"; "Playfair Gold Mines, Limited".

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 216 A, Bear River Sheet, B.C., (Geol.), Sc. 1":1 mile - accomp. Memoir 159.

Plan of Part of Portland Canal Mining Division, (Mining claims), Sc. 1":1 mile - accomp. Rept. of Minister of Mines, 1910, p. 80.

Map 217 A, Bear River Sheet, B.C., (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par							
Date Date	08-67						