

PRODUCT COPPER
PRODUIT

PROVINCE OR TERRITORY PROVINCE OU TERRITOIRE

British Columbia

N.T.S. AREA 103 P/13
RÉGION DU S.N.R.C.

REF. CU 2
RÉF.

NAME OF PROPERTY SUNSHINE, MORNING STAR
NOM DE LA PROPRIÉTÉ

OBJECT LOCATED
OBJET LOCALISÉ

UNCERTAINTY
FACTEUR D'INCERTITUDE

Lat. 55°58'50"

Long. 129°52'20"

Mining Division Skeena
Division minière

District
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 showings lie in argillite of the lower part of the Hazelton group and are near the northern edge of a large body of augite porphyrite. The largest exposed mineral deposit is tabular and consists of chalcopyrite and pyrite in a gangue of country rock and quartz. This deposit strikes northeast and probably dips northwestward. The apparent width varies from 3 to 15 feet. The length is not proved, but occasional open-cuts along the line of strike expose similar mineralization which may be continuous for a distance of 500 feet or more. An adit driven to pass under the deposit crosscut chalcopyrite-bearing quartz stringers. An assay of this material across 4 feet assayed 4½% copper and 1 ounce of silver a ton. The deposit may be a replacement along the bedding of the rocks or it may be a vein in a fracture zone. Other copper-bearing showings are present but their boundaries have not been determined. Two small quartz veins are mineralized with sphalerite, galena, and chalcocite; the high-grade ore shipped in 1922 was mined from open cuts on these veins. On the Morning Star claim a quartz vein 2 feet wide striking N40°E and dipping 40° southeast has been traced for 800 feet. The vein is mineralized with pyrite and chalcopyrite.

Associated minerals or products - Silver.
Minéraux ou produits associés

HISTORY OF EXPLORATION AND DEVELOPMENT

HISTORIQUE DE L'EXPLORATION ET DE LA MISE EN VALEUR

The Sunshine property lies at the 3,250 foot elevation near the head of the east fork of Glacier Creek, about 5½ miles northeast of Stewart. The Morning Star claim lies a short distance to the east at about the 5,000 foot elevation.

The Sunshine and Sunshine No. 1 claims were owned by Fred Young and Godfrey Anderson from about 1918. Open cutting was done on a narrow high-grade silver vein and several tons of ore were mined from the surface workings. The Morning Star claim was owned by Dan Woodmore, of Stewart. All three claims were optioned by A.G. Hill, of Denver, in July 1921; the option expired in October of that same year without any work having been reported.

The Granby Consolidated Mining, Smelting and Power Company, Limited optioned the Sunshine claims, and possibly the Morning Star, in 1922 and drove 400 feet of crosscuts and drifts in one adit. The option was dropped in the spring of 1923 after some surface exploration was done on the claims.

In 1923 the Tommigan, Tommigan No. 1, and Tommigan No. 2 claims were staked adjoining the Morning Star by Messrs. McLeod, Armstrong, and Tooth respectively; Mr. W.R. Tooth purchased the Morning Star claim from Dan Woodmore. Exploration work during the year was done in open cuts.

The Sunshine group was under option in 1925 to H. Houston and J. Peterson, of Vancouver, who organized the Sunshine Mining Syndicate. Open cutting was done on the copper showings and a drift adit was driven about 80 feet on the high-grade silver vein. The Sunshine (Lot 4499), Sunshine No. 1 (Lot 4500), Sunshine No. 2 (Lot 4504), and Sunshine No. 4 (Lot 4505) claims were Crown-granted to A.E. Young and J.P. Hawkins in 1926.

The Sunshine Morning Star Mining Company, Limited was formed in May 1926 to acquire and explore both properties. No work was reported by the company. The company charter was surrendered in December 1931. The Sunshine Crown-granted claims, along with the L. & L. and Columbia properties, were purchased for taxes by L.H. Davidson, of Stewart, in about 1934. The combined claims were known as the Ida group. No work was reported on the Sunshine property at this time.

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

In 1922, 2 tons of sorted ore were shipped from the Sunshine claims. From this ore 770 ounces of silver were recovered.

REFERENCES/BIBLIOGRAPHIE

Hanson, George; Portland Canal Area, British Columbia; Memoir 175, pp. 132, 147, Geol. Surv. of Canada, 1935.

Reports of Minister of Mines, British Columbia:
 1918, p. 78; 1919, p. 70; 1922, p. 73; 1923, pp. 74, 75; 1925, p. 85; 1935, p. B 28.

Mineral Policy Sector; Corporation Files: "Granby Mining Co. Ltd."; "Sunshine Morning Star Mining Company, Limited".

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 215 A, Stewart Sheet, B.C., (Geol.), Sc. 1":1 mile - accomp Memoir 159.

Map 193 A, Stewart Sheet, B.C.; (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par								
Date Date	12-67							