

PRODUCT SILVER  
PRODUIT

PROVINCE OR PROVINCE OU  
TERRITORY TERRITOIRE British Columbia

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

REF. AG 5  
RÉF.

NAME OF PROPERTY  
NOM DE LA PROPRIÉTÉ GLACIER CREEK, LITTLE WONDER, LULU

OBJECT LOCATED  
OBJET LOCALISÉ

UNCERTAINTY  
FACTEUR D'INCERTITUDE

Lat. 55°59'15" Long. 129°55'30"  
Lat. Long.

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 country rocks are argillaceous sediments of the lower part of the Hazelton group. They strike northerly and dip west at moderate angles, the area embracing part of the westerly limb of an open anticlinal structure. With the exception of the Lucky Boy vein at elevation 560 feet, all the known veins occur between, and strike at a slight angle to, two major faults about 1,000 feet apart which strike north and dip west and constitute what is known as the "Portland Canal Fissure Zone". The Lucky Boy vein, located on the west side of the more westerly fault, is 2.5 feet wide in one short exposure. For 15 feet of exposed length the vein was mineralized with massive, fine-grained galena and sphalerite across 18 inches with 12 inches of fair mineralization in a quartz gangue on the hanging-wall. This small shoot was apparently the source of the ore shipped in 1937. The main crosscut adit, on the Lulu claim at the 830 foot elevation, cuts 5 parallel north striking quartz veins that dip 45 to 70° west, partly conformable to the attitude of the formation. The veins are from a few inches to several feet in width, are characteristically brecciated and contain unaltered fragments of wallrock.

see Card 2 ....

Associated minerals or products - Lead, zinc, gold.  
Minéraux ou produits associés

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

This property is located between elevations of 500 and 1,000 feet on the north side of Glacier Creek,  $4\frac{1}{2}$  miles northeast of Stewart. The Dunwell and George E claims lie to the north and adjoining. Glacier Creek flows westerly through the Lucky Boy claim and the adjoining O.K. Fraction claim at the south edge of the property.

The Glacier Creek Mining Company, Limited was formed in October 1909 to acquire the Lucky Boy, Last Chance, Nellie, Riverside (Lots 402-405), Micmac Fr. (L 410), Nellie Fr. (L 412), and Lulu (L 926) claims, which were Crown-granted in 1911 and 1912. A crosscut adit at the 830 foot elevation, began by the former owners, was extended in 1910 to cut the two east veins, the "Central" and "Green", of the series exposed on the George E claim. A concentrator was built by the Portland Canal Mining Company on the Riverside claim just above the Bear River. Work by the Glacier Creek company ceased in 1911. In 1913-1914 Portland Canal Tunnels Limited drove a long crosscut adit from the Riverside claim on the south side of Glacier Creek to explore at depth the main fissure zone. At about 2,343 feet from the portal the supposed extension of the Lucky Boy lead was reached. This was drifted on for 500 feet north into the Lucky Boy claim and an inclined raise was driven for 140 feet when it holed out in the canyon of Glacier Creek; the vein failed to show any appreciable amount of sulphides.

The Little Wonder claim, adjoining the Lulu claim on the east, was owned by Messrs. Chapman and Ranch, of Stewart, in 1909. The Portland Wonder Mining Co., Limited held the property in 1910 and exploration work was done in No. 2 adit. The Little Wonder (Portland) was held in 1912 by the Mt. Gladstone Mining Co., Limited and further underground work was recorded. The company charter was surrendered in 1914. The workings include a crosscut for 260 feet and a drift for 500 feet on the second level, with a raise to an upper level which is reported to be 120 feet long. The Little Wonder claim was subsequently staked as the Victory claim (L 4476) and was Crown-granted to the Glacier Creek Mining Company, Limited in 1925.

The Glacier Creek Mining Company property was idle from 1911 until 1924, when the crosscut at 830 foot elevation was  
see Card 2 ....

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REF. AG 5  
RÉF.

NAME OF PROPERTY GLACIER CREEK, LITTLE WONDER, LULU  
NOM DE LA PROPRIÉTÉ

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

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT (continued)

They are generally sparsely mineralized with pyrite, galena and sphalerite. The best mineralization encountered underground was in a drift of the main crosscut at 795 feet from the portal. A sample for 12 feet along the walls and face in the best mineralization assayed: Gold, 0.08 ounce a ton; silver, 1 ounce a ton; lead, nil; zinc, 4.0%.

extended easterly into the recently acquired Victory claim. An unspecified amount of diamond drilling was done by the company in 1925. The property was closed again until 1934 when work in the crosscut was resumed. Work ceased again in 1935. Some work was done during a short period of leasing by one man on the Lucky Boy claim in 1937 and a small amount of ore was shipped at this time. The company charter was surrendered in 1950.

The crosscut adit at the 830 foot elevation cut veins at 180, 330, 390, 470, and 795 feet from the portal. The "Central" vein, at 330 feet, was drifted on north for 120 feet, and the "Green" vein at 470 feet was drifted on for 120 feet. The vein at 795 feet was drifted on for 51 feet to the south and 198 feet to the north; some of the best mineralization was found in this vicinity.

The O.K. Fraction claim (lot 2960), located south of and adjoining the Lulu and Victory claims, was owned and explored by J. Perrault from about 1909 until about 1912; a 160 foot long drift adit was driven at that time.

The Portland Canal Syndicate acquired some 45 reverted Crown-granted claims on Glacier Creek in about 1954, including claims of the Dunwell, Glacier Creek, Lucky Seven, Portland Coal Tunnels, and Ben Bolt properties. The Syndicate formed Portal Mining Company Limited, a private company, in August 1954. The company in turn optioned the claims to Cassiar Consolidated Mines Limited. In 1954-55 the company surveyed and sampled the main adit at the 830 foot elevation and adjacent workings and surface showings. The long crosscut driven by Portland Canal Tunnels was reopened, surveyed, and sampled. The company name (Cassiar Consolidated) was changed in 1976 to Pacific Cassiar Mines Ltd. and in 1978 to Pacific Cassiar Limited.

Silver Princess Resources Inc. acquired an option to purchase the Lulu, Lucky Boy, Last Chance and adjacent claims from Pacific Cassiar by an agreement dated February 1979.

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

In 1937, 13 tons of ore were shipped from this property. From this ore 4 ounces of gold, 250 ounces of silver, and 6,157 pounds of lead were recovered.

REFERENCES/BIBLIOGRAPHIE

Mandy, J.T.; Glacier Creek Mining Co. Ltd.; Report of Minister of Mines, British Columbia, 1937, pp. B 12-B 16.

Reports of Minister of Mines, British Columbia: 1909, pp. 64, 65; 1910, pp. 63, 77; 1911, pp. 72, 74; 1912, p. 108; 1913, p. 91. 1914, p. 159; 1924, p. 62; 1925, p. 90; 1935, p. B 23; 1955, p. 17.

Hanson, George; Portland Canal Area, British Columbia; Memoir 175, pp. 119, 127, 134, Geol. Surv. of Canada, 1935.

McConnell, R.G.; Portions of Portland Canal and Skeena Mining Division, Skeena District, B.C.; Memoir 32, p. 39, Geol. Surv. of Canada, 1913.

Mineral Sector; Corporation Files: "Glacier Creek Mining Company Limited"; "Cassiar Consolidated Mines Limited"; "Portal Mining Company Limited"; "Silver Princess Resources Inc."

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

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

Claim Map accomp. Report of Minister of Mines, British Columbia, 1937, p. B 14.

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

Map 103 P/13, Stewart, (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

See: Portland Canal Tunnel; Area 103 P/13, Ref. AG 6.

Comp./Rev. By Comp./rév. par		DMacR					
Date Date	11-67	11-80					