

PRODUCT GOLD
PRODUIT

PROVINCE OR TERRITORY PROVINCE OU TERRITOIRE

British Columbia

N.T.S. AREA 82 F/11
RÉGION DU S.N.R.C.

REF. AU 1
RÉF.

NAME OF PROPERTY ALPINE, NOONDAY
NOM DE LA PROPRIÉTÉ

OBJECT LOCATED - Lower (No. 10) drift adit.
OBJET LOCALISÉ

UNCERTAINTY 300 m Lat. 49°41'05" Long. 117°15'00"
FACTEUR D'INCERTITUDE Lat. Long.

Mining Division Nelson & Slocan District
Division minière District

County Township or Parish
Comté Canton ou paroisse

Lot Concession or Range
Lot Concession ou rang

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

OWNER OR OPERATOR/PROPRIÉTAIRE OU EXPLOITANT

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

The claims are underlain by coarse-grained, porphyritic Lower Cretaceous(?) Nelson granite. This is cut by a few dykes of aplite and several of lamprophyre, the latter being later than the vein. Some normal faults having displacements up to 20 feet were observed in the workings, and these faults offset all dykes and veins. Development work has been done on a vein which strikes S75°W and dips 15° to 30°N. The vein has been traced on the surface by open-cuts and underground for a length of more than 1,200 feet. It ranges in width from 2 feet to nearly 7 feet, the average width being about 3½ feet. The gangue in the vein is quartz which in a few localities is brecciated and cemented by calcite that also forms short veinlets in the walls. The ore minerals are auriferous pyrite and lesser amounts of galena and sphalerite. Stevenson (1943) reported the occurrence of scheelite on the Alpine group.

Associated minerals or products - Silver, lead, zinc, tungsten.
Minéraux ou produits associés

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

The property is located at the head of Sitkum Creek, 12 miles north of Nelson. The location of the Noonday group, relative to the four original claims of the Alpine group, is not known but may have covered adjacent ground which was in later years Crown-granted as the Alpine, Swiss and Washington Fractions (Lots 15002-15004).

The Alpine group, comprising 4 claims, the Swiss, Highland Chief, Berne, and Kootenay Pass (Lots 2879-2882 respectively) were owned from 1896 or earlier by C. Faas, H. Cleaver & associates. In 1896 the claims were bonded to A.B. McKenzie and A. Dick, of Rossland; trenching was reported. The claims were Crown-granted to Faas & associates in 1899.

No further activity was reported in this vicinity until 1918 when the Noonday group, comprising the Noonday, Climax, Margaret, and Pearl Fraction claims, was owned by J. Radcliffe and J.S. Johnson, of Nelson. The workings to that date included open cuts and a 180' adit on the Noonday claim. The Noonday group was under bond during 1919-20 to O.W. Talley & associates, of Seattle and Spokane. A small Gibson mill was installed in 1919 about ¼ mile from the workings and ore was packed to the mill on burros during 1920. Further trenching and 20 feet of drifting was carried out during the year. The property was idle in subsequent years.

By 1927 the Alpine group was owned by E. Harrop & associates. The workings at that time reportedly included 2 adits, one a drift for 189', possibly including the adit driven on the Noonday claim. The Alpine Syndicate, which was financed by the Alpine Mining Company, of Reno, Nevada, acquired the property in about 1936 and built a road to the property. In 1937 further trenching was done, and the No. 10 drift adit was begun. In October 1938 a private company, Alpine Gold, Limited, was incorporated in British Columbia to operate the mine. In addition to the original Crown-grants held under lease and option from Harrop & associates, the company acquired the adjacent Swiss, Alpine, Washington, and Oregon Fractions and the Idaho claim (Lots 15002-15006), which were held by John White, of Spokane. The Basin, Meadow, and Sitkum claims (Lots 14922, 14928, 14929), located at elevations of 5,500' to 6,500' on Sitkum Creek, were acquired by the company for a millsite.

see Card 2

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

During the period 1940-1948, 17,095 tons of ore were milled at this property. From this ore 11,413 ounces of gold, 7,027 ounces of silver, 104,761 pounds of lead, and 37,667 pounds of zinc were recovered.

REFERENCES/BIBLIOGRAPHIE

Reports of Minister of Mines, British Columbia:
 1896, p. 72; 1897, p. 535; 1898, p. 1077;
 1899, p. 844; 1918, p. 197; 1919, p. 157;
 1920, p. 134; 1921, p. 173; 1927, p. 319;
 1936, p. E 43; 1937, p. E 45; 1938, pp. E 13-15⁺;
 1939, p. 81; 1940, p. 66; 1941, p. 65;
 1942, p. 61; 1946, p. 150; 1947, p. 158;
 1948, p. 130.

⁺⁺Little, W.H.; Nelson Map-Area (West Half), British Columbia; Memoir 308, p. 158, Geol. Surv. of Canada, 1960.

Stevenson, John S.; Tungsten Deposits of British Columbia; Bulletin No. 10 (Revised), p. 156, British Columbia Dept. of Mines, 1943.

Mineral Policy Sector; Corporation Files: "Alpine Mining Company"; "Alpine Gold, Limited"; "Cove Resources Corporation".

Exploration in British Columbia; BC EMPR: 1987, pp. A21, A63.

George Cross News Letters: 1987, No. 140, 163, 179; 1988, No. 106, 216; 1989, No. 27, 107

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 1090 A, Nelson (West Half), (Geol.), Sc. 1":4 miles - accomp. Memoir 308, Geol. Surv. of Canada, 1960.

Map 8481 G, Kokanee Peak, (Aeromag.), Sc. 1":1 mile.

#Map 82 F/11, Kokanee Peak, (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par	DMacR	DMacR					
Date Date	05-80	06-89					

PRODUCT GOLD
PRODUIT

PROVINCE OR TERRITORY PROVINCE OU TERRITOIRE

British Columbia

N.T.S. AREA 82 F/11
RÉGION DU S.N.R.C.

REF. AU 1
RÉF.

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

ALPINE, NOONDAY

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

(continued from right side)

Cominco Ltd. in 1989 acquired an option to earn a 30% interest through exploration work, and a further 70% interest by placing the property in production.

In 1938 the new No. 10 level adit was extended to 260 feet. A 50 ton-per-day mill was installed, with a 1 mile tramline connecting with the mine. The mill was put into operation in December 1939 and operated intermittently until May 1942 when the mine closed for the duration of the war. Re-opened in August 1946, the mill operated for several months each year during the 1946-48 period. Mining and milling operations were suspended in June 1948 but development work continued in the upper level until later in the year, when the mine closed. The company charter was surrendered in 1963.

Development work to date of closure in 1948 included two drift adits, Nos. 7 and 10 levels, located about 770' apart at elevations of 7,150 and 6,925 feet respectively. The lower adit was driven to a length of 1,131'. The upper adit was apparently driven westerly through the upper part of the peak to the cliff overlooking the basin of Duhamel Creek. Internal levels were established at 50' vertical intervals, or 100' on the dip of the vein. Stopping was done between No. 5 and No. 10 levels. The workings comprise over 5,400' of drifts, crosscuts, and raises. Diamond drilling totalling 1,200 feet was carried out in 1947. Reserves were estimated in 1949 at 100,000 tons at 0.57 oz/t Au (Financial Post Survey of Mines 1953, p. 81).

The property was held by a prominent US family until 1987 when Cove Energy Corporation acquired an option to purchase a 100% interest. Work that year, under a sub-option agreement with Granges Exploration Ltd., included construction of an access road, dump sampling, cross cutting to provide underground drill stations, and diamond drilling; a best assay of 21 feet at 0.5 oz/t Au was reported; Granges subsequently terminated the option agreement.

The company name (Cove Energy) was changed in May 1988 to Cove Resources Corporation. Work in 1988 included a drift extension on No. 10 level, and diamond drilling; this work indicated the 10 level zone of mineralization continues down dip for about 1,000 feet and widens to about 20 feet. Reserves were reported as 210,000 tons proven at 0.40 oz/t Au (George Cross News Letter, 8/02/89).

con't on left side