

PRODUCT GOLD
PRODUIT

PROVINCE OR TERRITORY PROVINCE OU TERRITOIRE

British Columbia

N.T.S. AREA 82 E/3
RÉGION DU S.N.R.C.

REF. AU 1
RÉF.

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

CARIBOO-AMELIA

OBJECT LOCATED
OBJET LOCALISÉ

UNCERTAINTY
FACTEUR D'INCERTITUDE

Lat. 49°05'
Lat.

Long. 119°10'
Long.

Mining Division Greenwood
Division minière

District
District

Similkameen

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

1980 - McKinney Resources Inc.

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

Underlying the area is a finely-banded sedimentary series comprising many rock types of which the most common are quartzite and a calcareous greenstone. A large body of granodiorite, which occupies the basin of McKinney Creek, is intrusive into the bedded series. In the western part of the area the rocks are folded into an irregular, overturned syncline, and faulting has been intense. The Cariboo vein is a persistent, rather narrow, quartz-filled fissure, mineralized with pyrite, sphalerite, galena and chalcopyrite. The vein strikes westerly, dips vertically to steeply southward, and was traced underground in the old workings for a distance of about 2,000 feet, to a depth of 530 feet.

HISTORY OF EXPLORATION AND DEVELOPMENT

HISTORIQUE DE L'EXPLORATION ET DE LA MISE EN VALEUR

The Cariboo-Amelia property at present consists of 8 Crown-granted claims - the Emma, Alice, Cariboo, Amelia, Maple Leaf, Sawtooth, Okanagan and Wiarnton.

Placer gold was recovered from Rock Creek and its tributaries as early as 1860. However it wasn't until 1884 that lode gold was found on the area, followed 3 years later by the discovery of Cariboo vein. The history of the Cariboo-Amelia from that time until 1960, as outlined by Hill and Stark (1960), is as follows:-

- 1894 - George McAuley and Associates, of Spokane, Washington, after development of the Cariboo and Amelia claims, formed the Cariboo Mining and Milling Company and erected a 10-stamp mill.
- 1898 - McAuley and Toronto Associates formed the Cariboo McKinney Mining and Milling Company Limited to take over the operation. The milling capacity was increased by the addition of 10 stamps.
- 1903 - At the end of the year the mine was closed down. The workings had been developed from a vertical shaft 360 feet deep to No. 4 level and by a winze on the vein, 200 feet to No. 6 level. At the eastern limit of the workings the vein was cut by a northerly-striking fault, and exploration failed to locate its extension.
- 1917) - Twenty-nine claims in the area were optioned by the
1918) Consolidated Mining and Smelting Company and some surface exploration carried out.
- 1934 - The Bralco Development and Investment Company of Vancouver optioned the Cariboo holdings and several other claims. Some surface development was done and five diamond drill holes put down to explore the westward extension of the vein and of the west and central section of the mine.
- 1939 - Pioneer Gold Mines of B.C. Limited optioned the Cariboo-McKinney holdings and dewatered the mine. Three diamond drill holes were drilled underground from the east end of No. 4 and No. 5 levels, and eight were drilled from the surface to explore the eastward extension of the vein to the north. Results were discouraging and the option was dropped.
- 1940 - The property was leased by G. Boag and Associates, who mined pillars and stope remnants above the tunnel level.

see Card 2

Associated minerals or products - Silver, lead, silica.
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
503781 *

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

Total production to 1939 amounted to 69,581 ounces of gold and 6,359 ounces of silver, obtained from 123,457 tons of ore.

In the period from July 1959 to May 1962, 11,291.4 tons of siliceous ore averaging 1.063 oz/ton gold were shipped to Trail. This ore yielded 11,988.7 oz of gold, along with some silver and lead and silica.

REFERENCES/BIBLIOGRAPHIE

- Armstrong, J.E.; Geology and Mineral Deposits of Northern British Columbia, West of the Rocky Mountains; Bull. 5, p. 23, Geol. Surv. of Canada, 1946.
- Cockfield, W.E.; Lode Gold Deposits of Fairview Camp, Camp McKinney, and Vidette Lake Area, and the Dividend-Lakeview Property near Osoyoos, B.C.; Mem. 179, pp. 11-16, Geol. Surv. of Canada, 1935.
- Hedley, M.S.; Geology of Camp McKinney and the Cariboo-Amelia Mine, Similkameen; Bull. No. 6, Dept. of Mines, B.C., 1940.
- Hill, H.L., and Stark, L.P.; The Camp McKinney Gold Mines; Paper presented at the 66th Annual Convention, Northwest Mining Assoc., Spokane, Dec. 1960.
- Mineral Policy Sector; Corporation File: "McKinney Gold Mines Limited".
- Annual Reports, Dept. of Mines, B.C.: 1894, p. 754; 1897, p. 605; 1898, p. 116; 1899, p. 773; 1900, p. 879; 1901, p. 1149; 1903, p. 168; 1918, p. 211; 1932, p. 130; 1939, p. 76; 1940, p. 62; 1941, p. 24; 1943, p. 63; 1944, p. 59; 1945, p. 95; 1946, p. 132; 1958, p. 33; 1959, p. 56; 1960, p. 62; 1961, p. 63

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 15-1961, Kettle River, (Geol.), Sc. 1":4 miles.

REMARKS/REMARQUES

Minnie-ha-ha (Lot 680)
see Report in Jan Resources Ltd. - SMF 115-81.

Comp./Rev. By Comp./rév. par							
Date Date	01-63						

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NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

CARIBOO-AMELIA

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

- 1941 - Highland-Bell Ltd., who had done some development work on the Wiarton claim in 1940, took over the lease, mined some ore and did 200 feet of drifting and crosscutting above the water level at the tunnel level. The lease reverted to Boag and Associates late in the year.
- 1942 - Leases on the mine were taken by E. Wanke and Associates on Rock Creek, B.C., who continued working through 1946 after dewatering the mine to the No. 2 level, and by Fritz, of Midway, B.C., who worked through 1943.
- 1957 - W.E. McArthur, of Greenwood, optioned the property and, with associates, located the eastern extension of the main vein beyond the fault by surface diamond drilling.
- 1958 - R. Hunstone and associates optioned the property and incorporated as H. & W. Mining Co. Ltd. The shaft was dewatered and a crosscut driven 240 feet in the hangingwall of the vein on No. 5 level. The faulted portion of the vein was encountered and drifted on for 60 feet.
- 1959 - McKinney Gold Mines Limited acquired, in July 1959,
1962) the purchase option formerly held by the H. & W. Mining Co. Ltd. Following this a new shaft was completed to a depth of 500 feet and new 5 and 6 levels were established from which 750 feet and 1,000 feet, respectively, of development work was carried out and all production obtained. In the spring of 1962 an extension of the 6th level for 450 feet to the east, and 2,600 feet of diamond drilling failed to locate additional ore and in May all work was suspended.