

PRODUCT GOLD
PRODUIT

PROVINCE OR TERRITORY PROVINCE OU TERRITOIRE British Columbia

N.T.S. AREA 103 I/16
RÉGION DU S.N.R.C.

REF. AU 1
RÉF.

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

FIDDLER (DORREEN)

OBJECT LOCATED - vein outcrop on Boulder claim (Lot 6317).
OBJET LOCALISÉ

UNCERTAINTY
FACTEUR D'INCERTITUDE

Lat. 54°48'40"
Lat. Long. 128°24'20"
Long.

Mining Division Omineca
Division minière

District
District

Range 5 Coast

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

Hazelton Group (Lower Jurassic) volcanics and Bowser Group (Upper Jurassic) sedimentary rocks are intruded by Late Cretaceous granite-granodiorite of the coast intrusive complex. In the vicinity of the workings the formation strikes N50°W and dips 25°NE. A quartz vein, which occurs along a bedding plane fault, outcrops near the contact of a wide quartz diorite dyke that strikes N30°W and dips 55°SW. The vein varies in width from 5½ feet near the portal of the main adit, and close to the dyke, to a few inches at the end of the adit and on the uppermost level. The workings show the vein to be lense shaped, thickest at this dyke near the portal, and diminishing in size and value with increase in distance from the dyke. Mineralization consists of chalcopryrite, covellite, galena, pyrite, sphalerite, tetrahedrite, and arsenopyrite. Gold is not visible to the naked eye.

Seventy feet stratigraphically above this vein is a similar vein with a width of 8 to 12 inches.

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

This property is located at the 2,200 foot elevation on the west side of Knauss Creek, a tributary of Fiddler Creek, and 23 miles north-northwest of Terrace.

The showings were reportedly discovered in 1911 by L.C. Knauss; the Boulder, Indicator and Intrusive claims (Lots 6317-6319 respectively) were Crown-granted to Katherine A. Knauss in 1919.

In 1914 the claims were bonded to M. Walsh & associates, of Spokane. Underground work failed to follow the mineralization and the bond was given up late in the year. The workings at that time included 160' of drifts in two adits.

Fiddler Creek Gold Mining Company, Limited was incorporated in December 1916 by the Shaw interests, of Edmonton, to acquire an option on the property. Work began in a new low level adit which was driven about 100' before bedrock was reached, and only a few feet in solid rock before work was discontinued.

Late in 1923 J.F. Duthie optioned the property and intermittent development and mining continued until late in 1925.

J.W. Tredway acquired the property in 1926 and a mining operation was carried out for a two month period. Fiddler-Tredway Mines Limited was incorporated in May 1928 but no further work was reported. The claims were held under option by P.E. Peterson & associates in 1932, and by J. Jones in 1940.

Doreen Gold Mines Limited was formed in September 1949 to acquire the property from J.W. Treadway and L.W. Patmore. A 50 ton per day mill was almost completed when work ceased late in 1950. A new company, Dorreen Mines Ltd. was formed in April 1951 to operate the mine. Construction of the mill was completed in 1951 and the mine and mill operated until October 1952. The mine was unique in that all the machines were run by individual water-wheels. During 1952 some 531 feet of underground work was done, including a 48 foot drift run on the second vein on the property. Diamond drilling during 1952 totalled 1,400 feet; further diamond drilling was done in 1953.

The main vein has been developed by some 900 feet of drifts and crosscuts in 3 adits over a vertical range of 100 feet. The 3 levels are connected by raises on the vein.

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

In 1924, 80 tons of ore were shipped from this property. This ore reportedly assayed: gold, 1.67 oz a ton; silver, 6.0 oz a ton; copper, 1.3%; lead, 6.2%; zinc, 5.8%. In 1926 about 100 tons of ore were reportedly shipped.

In 1952, 622 tons of ore were shipped. From this ore 186 ounces of gold, 730 ounces of silver, 14,983 pounds of lead, and 4,818 pounds of zinc were recovered.

REFERENCES/BIBLIOGRAPHIE

+Duffel, S. and Souther, J.G.; Geology of Terrace Map Area, British Columbia; Memoir 329, p. 90, Geol. Surv. of Canada, 1964.

++Kindle, E.O.; Mineral Resources, Usk to Cedarvale, Terrace Area, Coast District, British Columbia; Memoir 212, pp. 41-44, Geol. Surv. of Canada, 1937.

Annual Reports, Dept. of Mines, B.C.: 1914, pp. 139-141; 1915, p. 78; 1916, pp. 101-104+++; 1917, p. 101; 1919, p. 369; 1922, p. 98; 1923, p. 105; 1924, p. 93; 1925, pp. 131-133; 1926, p. 125; 1927, p. 397; 1940, p. 45; 1949, p. 94; 1950, p. 81; 1951, p. 108; 1952, p. 85.

Mineral Policy Sector; Corporation Files: "Fiddler Creek Gold Mining Company, Limited"; "Dorreen Gold Mines Limited"; "Dorreen Mines Ltd."

Kerr, F.A.; Mineral Resources along Canadian National Railway between Prince Rupert and Prince George, B.C., Paper 36-20, p. 41, Geol. Surv. of Canada.

Assessment Report Summary, Exploration in British Columbia, 1981, Report No. 10033.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 1136 A, Terrace, (Geol.), Sc. 1":4 miles - accomp. Memoir 329.

#Plan of part of Fiddler Group, Sc. 1":150', Fig. 7, Memoir 212, p. 42.

Plan of workings, 1954, Fig. 9, Memoir 329, p. 91.

*Map 103 I/16, Dorreen, (Topo.), Sc. 1:50,000.

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

Canamco Resources Ltd held this ground as the Top property in 1981 and carried out airborne electromagnetic and magnetometer surveys.

REMARKS/REMARQUES

| | | | | | | | |
|---------------------------------|-------|--|--|--|--|--|--|
| Comp./Rev. By Comp./rév. par | DMacR | | | | | | |
| Date Date | 09-84 | | | | | | |