

PRODUCT COPPER
PRODUIT

PROVINCE OR TERRITORY PROVINCE OU TERRITOIRE

British Columbia

N.T.S. AREA 82 F/4
RÉGION DU S.N.R.C.

REF. CU 1
RÉF.

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

VELVET-PORTLAND

OBJECT LOCATED
OBJET LOCALISÉ

UNCERTAINTY
FACTEUR D'INCERTITUDE

Lat. 49°00'50" Long. 117°54'45"

Mining Division Trail Creek
Division minière

District Kootenay
District

County
Comté

Township or Parish
Canton ou paroisse

Lot
Lot

Concession or Range
Concession ou rang

Sec. R.
Sect. Ct. R.

OWNER OR OPERATOR/PROPRIÉTAIRE OU EXPLOITANT

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

The property is mainly underlain by serpentinite which forms a huge roof pendant surrounded by Coryell syenite. Within the serpentinite are large xenoliths of Rossland volcanic rocks, particularly on the Portland claim. The rocks within the pendant are cut by dykes up to 20 feet wide, commonly of porphyritic syenite and of medium-grained granodiorite. These dykes are probably related to the Coryell and Nelson plutonic rocks respectively, and in general are parallel with the main shears.

The mineralization occurs in replacement veins that strike northerly and dip steeply to the west. Besides the main or Velvet vein four other veins are known to exist in its footwall some 60, 130, 190 and 320 feet respectively to the east. A few small, relatively short east-west striking veins cut the main vein. Ore shoots occur at the intersections of the main vein with crosscutting dykes or faults. Mineralization includes copper and iron sulphides, and molybdenite in a gangue of altered wall-rock and quartz. Chalcopyrite mineralization was generally quite massive where encountered and the walls were indefinite so the orebodies are difficult to delineate. Small amounts of scheelite have been seen in the dump and in underground workings.

Associated minerals or products - Gold, silver.
Minéraux ou produits associés

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

The Velvet and Portland Crown-granted claims and several others held by record lie on the northwest slope of Mount Sophia at about the 3,600 foot elevation. The mine is about 8 miles directly southwest of Rossland and 1 mile north of the International Boundary.

In April 1896 J. Cromie located the Portland claim and in September of the same year O. Geldness located the Velvet. The two claims were developed separately until 1904. The Velvet claim was acquired in 1897 by Velvet Mines Ltd. and they carried on development work until Velvet-Portland Mines Ltd. was formed in 1904 to acquire both properties. The mine was operated intermittently by the company or by leasers until it was closed in 1916. Granby Consolidated Mining, Smelting & Producing Co. examined the workings in 1918 and subsequently relinquished their option.

Rossland-Velvet Mines Ltd. took over the property in 1920 and intermittent work was carried on by the company or by leasers until 1928 when the mine closed. Velvet Gold Mining Co. Ltd., formed in the fall of 1932 reopened the mine and operated it intermittently until the fall of 1937.

Velgo Mining Incorporated took over the property in 1938 and later in the year leased it to R. Bielli & Associates who subsequently formed the Velvet Leasing Syndicate; the syndicate name was changed in 1941 to Velvet Gold Leasers. The leasers operated until 1942 when the mine was closed. The mine remained closed until 1952 except for a brief period in 1946 when Velvet Gold-Copper Mines Incorporated acquired the property and leased it to J. Coryell, Jr. A diamond drilling program was carried out at this time consisting of 7 holes totalling 1,436 feet from No. 8 level and 4 holes totalling 565 feet from the surface.

In 1952 the property was acquired by Messrs. Kenward and Sweet. Leasers began mining operations and in 1953 built a small mill. Mid-West Copper & Uranium Mines Ltd. acquired the property in 1955 and intermittent operations were carried on by the company or by leasers. A new mill was built and put into operation in 1956. In October 1964 the company was reorganized under the name Mid-West Mines Ltd. The property is developed by a vertical shaft serving 6 levels, of which No. 4 and No. 6 are accessible from the surface by adits. A 1,730 foot long adit on No. 8 level is connected to No. 6 level by a raise. Around

p.t.o.

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

From 1901 to 1963 inclusive, 96,160 tons of ore were shipped from this property. From this ore 19,915 ounces of gold, 20,698 ounces of silver, 2,527,068 pounds of copper, 22 pounds of lead, and 36 pounds of zinc were recovered.

REFERENCES/BIBLIOGRAPHIE

Little, H.W.; Nelson Map-Area, West Half, B.C.; Mem. 308, p. 181, Geol. Surv. of Canada, 1960.

Mathews, W.H.; Lode-Gold Deposits, South East British Columbia; Bulletin No. 20, Pt. II, p. 9, Dept. of Mines, B.C., 1944.

Drysdale, C.W.; Geology & Ore Deposits of Rossland, B.C.; Mem. 77, pp. 78, 90, 154-158, Geol. Surv. of Canada, 1915.

Annual Reports, Dept. of Mines, B.C.; 1897-1963.

Mineral Policy Sector; Corporation Files: "Velvet Gold Mining Co. of Seattle Inc."; "Mid-West Mines Ltd."; "Velvet Exploration Co. Ltd."

Mines Branch, Ottawa; Investigations in Ore Dressing and Metallurgy, 1923, Rept. 617, pp. 8-12 (No. 185).

British Columbia Ministry of Energy, Mines and Petroleum Resources, Exploration in British Columbia 1978, p. E 52.

George Cross News Letter; No. 99 (May 25, 1982); No. 150, p. 2 (Aug. 6, 1982).

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 1090 A, Nelson, West Half, B.C., (Geol.), Sc. 1":4 miles - accomp. Mem. 308.

Map 1091 A, Nelson, West Half, B.C., (Mining Properties), Sc. 1":4 miles - accomp. Mem. 308.

Map 82 F/4 W, Rossland-Trail, B.C., (Topo.), Sc. 1:50,000.

HISTORY OF EXPLORATION AND DEVELOPMENT (continued)
 HISTORIQUE DE L'EXPLORATION ET DE LA MISE EN VALEUR
 1978, Velvet Exploration Co. Ltd. (formerly Kendal Mining and Exploration Company Limited) acquired the mine. In 1980, they carried out 3,000 feet of drilling of which 800 ft was diamond drilling, the rest was percussion. In August 1982 it was reported that 1,000 tons grading 0.16 ozs Au/ton and other commodities were shipped to the H.B. mill of David Minerals Ltd. in Salmo.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par			JL				
Date Date	03-65	01-74	08-82				