

PRODUCT
PRODUIT

GOLD

PROVINCE OR
TERRITORY

PROVINCE OU
TERRITOIRE

British Columbia

N.T.S. AREA 82 E/4
RÉGION DU S.N.R.C.

REF. AU 3
REF.

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

STEMWINDER

OBJECT LOCATED - Stemwinder claim (Lot 384).
OBJET LOCALISÉ

UNCERTAINTY 300 m
FACTEUR D'INCERTITUDE

Lat. 49°12'
Lat.

Long. 119°37'40"
Long.

Mining Division Osoyoos
Division minière

District
District

Similkameen

County
Comté

Township or Parish
Canton ou paroisse

Lot
Lot

Concession or Range
Concession ou rang

Sec
Sect.

Tp.
Cr.

R.
R.

OWNER OR OPERATOR/PROPRIÉTAIRE OU EXPLOITANT

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

Host rock is a 0.5 to 1.5 km wide, northwest trending belt of Palaeozoic Kobau Group metasediments which separate two large Cretaceous intrusives, the Oliver granite to the northeast and the Fairview granodiorite to the southwest. Massive quartz veins, which follow either the bedding or the shearing, contain low gold-silver values, usually associated with pyrite and minor galena and sphalerite.

Associated minerals or products - Silver,
Minéraux ou produits associés

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

The property is located at 2,700' elevation some 6 km west-northwest of Oliver and 22 km north-northwest of Osoyoos. The property is adjoined on the northwest by the Fairview (82 E/4, AU 5) and on the southeast by the Morning Star (82 E/4, AU 4).

The ground was staked in 1888 and 5 claims were Crown-granted; the Stemset Fr. (Lot 21 S), Gunsite Fr. (Lot 25 S), the Stemwinder (Lot 384) and Brown Bear (Lot 385) to G. Sheehan and associates in 1892, and the Wynn M (Lot 554) to E.D. Reynolds in 1894.

Early work by individuals produced small amounts of ore which were milled at a 5-stamp mill installed by an English syndicate on Reed Creek some 2.5 km to the southeast. The syndicate in May 1893 incorporated The Strathyre Mining Company (Limited). The company expanded the mill to a 10-stamp operation and in 1896 purchased the Brown Bear and Wynn M claims; development work was mainly on the Brown Bear; the workings in 1897 included a 300' crosscut adit and drifts; the company held the claims until 1907.

The Stemwinder claim was acquired by an English company, The Fairview Consolidated Gold Mines Company, of Fairview, B.C. Limited, which was incorporated in British Columbia in 1897. Underground development to 1901 totalled about 4,000' of shaft, crosscuts and drifts. Stamp mills located at the Tin Horn and Joe Dandy properties were purchased and installed at the Stemwinder; the mill was expanded to 46 stamps (175 tpd) in 1902. As the mill recovered only about 50% of the gold, a 150 tpd cyanide plant was installed in 1903. Operations ceased in 1904.

The Stemwinder Gold and Coal Mining Company, Limited was incorporated in July 1906 to acquire the property. A new shaft was sunk to 500' and a crosscut driven to the north vein. A crosscut on the 300' level intersected the former inclined shaft. The adjacent Brown Bear and Wynn M claims were purchased from the Strathyre company in 1907. Operations ceased early in 1908.

By the 1930's the property was owned by the Federal Mining Company, of Wallace, Idaho. Morning Star (Fairview) Gold

see Card 2

121224

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

Recorded production for the period 1898-1949 totals 30,496 tons. From this ore 1,893 ozs gold, 17,090 ozs silver, 8,091 lbs lead, and 636 lbs zinc were recovered.

A shipment in 1938 of 5 tons of ore is reported under the name "Brown Bear". From this ore 10 ozs gold and 5 ozs silver were recovered.

REFERENCES/BIBLIOGRAPHIE

Reports of Minister of Mines, British Columbia: 1892, p. 543; 1893, p. 1074; 1894, pp. 753, 754; 1895, p. 704; 1896, pp. 562, 574; 1897, pp. 600, 603; 1898, p. 1115; 1899, p. 774; 1900, p. 882; 1901, pp. 1073, 1154, 1156; 1902, p. 186; 1903, p. 175; 1904, p. 225; 1905, p. 188; 1906, p. 165; 1907, p. 116; 1908, p. 117; 1920, p. 157; 1934, p. D 13; 1938, p. A 34; 1961, p. 62.

Exploration in British Columbia; BCDM: 1982, p. 30; 1983, p. 32; 1984, p. 15.

Cockfield, W.E.; Lode Gold Deposits of Fairview Camp ---; Memoir 179, p. 8, Geol. Surv. of Canada, 1935.

Mineral Exploration Review; BCDM: 1986, pp. 23, 63.

George Cross News Letters: 1986, No. 244; 1987, No. 43.

Netolitzky, R.K.; Evaluation Report on the Fairview Property, 10/07/86, in Oliver Gold Corporation Prospectus 13/11/86.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 15-1961, Kettle River, (W $\frac{1}{2}$), (Geol.), Sc. 1":4 miles, Geol. Surv. of Canada.

Local Geology, Fairview Belt, Sc. 1 cm:0.5 km, Fig. 4, Report by Netolitzky, 1986.

Fairview Camp, (claims & geol.), Sc. 1":1,000', Map 2388, accomp. Memoir 179.

#Map 82 E/2, Keremeos, (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par	DMacR						
Date Date	04-87						

PRODUCT GOLD
PRODUIT

PROVINCE OR PROVINCE OU
TERRITORY TERRITOIRE

British Columbia

N.T.S. AREA 82 E/4
RÉGION DU S.N.R.C.

REF. AU 3
RÉF.

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

STEMWINDER

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

Mines, Limited optioned the property in 1934. The workings were dewatered to the 500' level and sampled; the option was given up. Ownership of the property was subsequently transferred to Fairview Gold Mines Ltd, of Wallace, Idaho, a wholly owned subsidiary of Asarco Inc. In 1961 Cominco Ltd acquired a 10 year lease with the right to a 10 year extension. Diamond drilling in 1961 totalled 1,156' in 6 holes. The lease was given up in 1972.

Cominco Ltd re-optioned the property from Asarco in 1981. Diamond drilling on the Stemwinder in 1982-84 totalled about 13,000' in 27 holes; the option was given up in 1984. The drilling outlined reserves as follows:

	<u>Tonnes</u>	<u>Au (g/mt)</u>	<u>Ag (g/mt)</u>
Main vein	640 000	3.8	51.4
North vein	185 000	9.2	103.0

(Mineral Exploration Review, 1986, p. 63, BCDM).

Highland Valley Resources Ltd in early 1986 obtained a lease agreement from Asarco. Development work began with drifting on the North vein.