

PRODUCT GOLD
PRODUIT

PROVINCE OR TERRITORY PROVINCE OU TERRITOIRE

British Columbia

N.T.S. AREA 82 E/4
RÉGION DU S.N.R.C.

REF. AU 4
RÉF.

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

MORNING STAR

OBJECT LOCATED - Morning Star claim (Lot 443).
OBJET LOCALISÉ

UNCERTAINTY 300 m
FACTEUR D'INCERTITUDE

Lat. 49°11'25"
Lat.

Long. 119°36'50"
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.
Ct.

R.
R.

OWNER OR OPERATOR/PROPRIÉTAIRE OU EXPLOITANT

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

Host rock is a northwest trending belt of Palaeozoic Kobau Group metasediments which separate Cretaceous Oliver granite on the northeast from Fairview granodiorite on the southwest. Irregular quartz veins and vein zones up to 30' wide are mainly conformable to the metasediments. The quartz carries minor pyrite, galena and sphalerite. Gold-silver values are low except for local higher grade shoots.

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

The property is located at 2,400' elevation some 5 km west-northwest of Oliver and 21 km north-northwest of Osoyoos. The Stenwinder property (82 E/4, AU 3) adjoins to the north-west.

Exploration of the Stenwinder showings began in 1888 and on the Morning Star group shortly thereafter. The Morning Star (Lot 443) and Black Diamond (Lot 578) were Crown-granted to S. Mangott, D. McEachern and associates in 1893-94. The Silver Crown (Lot 442) was Crown-granted to Ed Hammond in 1895 and the Evening Star (Lot 543) to John Stevens & associates in 1897. Ore from the Morning Star west vein outcrop was shipped in 1892-95 to the Strathyre Mining Company mill located on the Rattler Millsite claim (Lot 446) southeast of the Morning Star. Subsequent sinking and drifting failed to find economic mineralization. Development work to 1900 included a 300' shaft and some 400' of drifts on the 150' and 250' levels. Other workings included a 40' shaft on the Black Diamond, and on the Silver Crown a 265' crosscut adit, 60' drift and 40' winze. No further activity was reported until 1924 when Vancouver interests leased the property; some development work in the Silver Crown adit was reported.

In 1932 R.L. Clothier & associates acquired 11 claims from Mangott & associates and purchased the Ontario (Lot 573) and Rattler (Lot 445) claims from the Federal Mining Company. The new owners incorporated Morning Star (Fairview) Gold Mines, Limited in 1933. In the West vein shaft, drifts on No. 1 and 2 levels were extended to a total of about 2,600' and some stoping was done from the 100' level and sub-levels. On the East vein a 200' crosscut adit, 170' of drifts and a raise to surface was completed. A 50 ton per day mill was put into operation in September 1935. The development work exposed only limited ore-grade material and in 1936 an amalgamation with the Fairview property (82 E/4, AU 5) provided a source of ore which kept the mill in operation until 1939. Lessees Carlson and McKay worked on the Black Diamond and Morning Star in 1940-41.

The Consolidated Mining and Smelting Company of Canada Limited (Cominco Ltd) purchased the Morning Star and Fairview

p.t.o.

121226

Associated minerals or products
Minéraux ou produits associés

Silver,

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

Morning Star production (about 1893 and 1934) is reported at 8,307 tons averaging 0,56 oz/t Au and 1,27 oz/t Ag (Netolitzky Report, p. 25). Production in 1933-41, listed under Morning Star, Fairview came mainly from the Fairview property.

REFERENCES/BIBLIOGRAPHIE

Reports of Minister of Mines, British Columbia: 1892, p. 543; 1893, p. 1075; 1894, p. 753; 1895, p. 704; 1896, pp. 563, 574; 1897, pp. 575, 597, 599, 601; 1898, p. 1115; 1901, p. 1155; 1902, p. 187; 1903, p. 175; 1908, p. 117; 1920, p. 157; 1923, p. 185; 1924, p. 169; 1925, p. 449; 1930, p. 219; 1932, p. 134; 1933, p. 164+; 1934, p. D 13; 1935, p. D 12; 1936, p. D 54; 1940, p. 24; 1941, p. 25; 1956, p. 74; 1957, p. 34; 1960, p. 62.

Exploration in British Columbia; BCDM: 1982, p. 30.

++Cockfield, W.E.; Lode Gold Deposits of Fairview Camp --- ; Memoir 179, p. 6, Geol. Surv. of Canada, 1935.

+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.

Mineral Reference Map No. 7, (Surveyed claims), B.C. Dept. of Lands, 1934.

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

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

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

properties in 1946. Some 18,000 tons of tailings from the Morning Star mill were shipped to Trail in 1956-57. In 1960 Cominco carried out bulldozer trenching and 1,409' of surface diamond drilling in 6 holes. Paymaster Resources Inc in 1982 carried out magnetometer and electromagnetic surveys over 41 km on the Morning Star and adjacent ground.

Oliver Gold Corporation optioned the property from Cominco Ltd in September 1986.

REMARKS/REMARQUES

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