

PRODUCT GOLD
PRODUIT

PROVINCE OR TERRITORY PROVINCE OU TERRITOIRE

British Columbia

N.T.S. AREA 82 F/6
RÉGION DU S.N.R.C.

REF. AU 4
RÉF.

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

CENTRE STAR (WESKO)

OBJECT LOCATED
OBJET LOCALISÉ

UNCERTAINTY
FACTEUR D'INCERTITUDE

Lat. 49°16'35"
Lat.

Long. 117°11'20"
Long.

Mining Division Nelson
Division minière

District
District

Kootenay

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

The property lies in a broad contact zone between the Nelson batholith and rocks of the Ymir group. The zone consists of sheared and altered argillites and quartzite cut by innumerable small bodies of granite and granite-gneiss. Lamprophyre dykes cut the orebody and follow post-ore faults. The ore shoots lie in veins along fault fissures striking north 60 to 80° east and dipping steeply northwest. The veins vary in width up to 25 feet. Brecciated wall-rock is common in many of them. The veins are cut by numerous faults, most of which strike between northeast and north, and dip to the east or southeast. Mineralization consists of pyrite, pyrrhotite, sphalerite, and galena in a quartz gangue. Values are mainly in gold, and considerable silver is also present.

HISTORY OF EXPLORATION AND DEVELOPMENT

HISTORIQUE DE L'EXPLORATION ET DE LA MISE EN VALEUR

This property is located at the 3,500 foot elevation on the west slope of Jubilee Mountain about a mile southeast of Ymir.

The Centre Star claim was located in 1900 and Crown-granted to J.S.C. Fraser & associates in 1905. No further activity was reported from the property until 1934. At this time Wesko Exploration and Development Company, Limited, acquired the Centre Star group, consisting of the Centre Star, Redman, Twilight, Gold Island, Crowfoot, and Blind Canyon Crown-granted claims, and ten adjoining claims held by location. Exploration and development work was carried on through 1935 and in 1936 a 100 ton per day concentrator was put into operation. During 1936 the company name was changed to Wesko Mines, Limited. The concentrator operated until August 1938 at which time the ore reserves were exhausted. A very limited diamond drilling program failed to locate additional ore and the mine closed late in the year.

Lessees carried on small scale intermittent salvage operations from 1940 until 1950. The mine has been developed by over 6,600 feet of drifts, crosscuts, and raises on 5 main levels and several subsidiary levels.

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

From 1936 to 1950, inclusive, 56,725 tons of ore were shipped from this property. From this ore 12,415 ounces of gold, 95,014 ounces of silver, 2,130,562 pounds of lead, and 1,048,588 pounds of zinc were recovered.

REFERENCES/BIBLIOGRAPHIE

Cockfield, W.E.; Lode Gold Deposits of Ymir-Nelson Area, British Columbia; Memoir 191, pp. 20-24, Geol. Surv. of Canada, 1936.

McAllister, A.L.; Ymir Map-Area, British Columbia; Paper 51-4, pp. 45-47, Geol. Surv. of Canada.

Annual Reports; Dept. of Mines, B.C.: 1905, p. 251; 1934, pp. E-9-E 12; 1935, p. E 28; 1936, p. E 46; 1937, p. E 46.

Mineral Policy Sector; Corporation File: "Wesko Mines Ltd."

Mines Branch, Ottawa; Ore Dressing and Metallurgical Investigation No. 642; Gold Ore from the Centre Star Mine, Ymir, British Columbia; Report No. 771, Investigations in Ore Dressing and Metallurgy, July to December, 1935, pp. 42-55.

Lakes, Arthur; The Wesko Enterprise; The B.C. Miner, July 1935, pp. 48-50.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

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

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

Map 82 F/6 E, Nelson, B.C., (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par	DMacR						
Date Date	06-66						