



Location/Identification

MINFILE Number: 082FNW150 **National Mineral Inventory Number:** 082F14 Ag70

Name(s): **BONDHOLDER (L.1257)**
PINE LOG, LITTLE TIM, GRAPHIC, ROSEBUD, LONE STAR

Status: Past Producer **Mining Division:** Slocan

Mining Method: Underground **Electoral District:** Nelson-Creston

Regions: British Columbia **Resource District:** Arrow Boundary Forest District

BCGS Map: 082F084

NTS Map: 082F14W **UTM Zone:** 11 (NAD 83)

Latitude: 49 48 42 N **Northing:** 5517753

Longitude: 117 21 28 W **Easting:** 474259

Elevation: 2213 metres

Location Accuracy: Within 500M

Comments: The property consists of the Bondholder (Lot 1257) and Pine Log Crown granted claims, located on the ridge above the Bondholder basin, 9.5 kilometres northeast of Slocan. The property may be reached by the Little Tim mine road via the Springer Creek or Ottawa Mountain roads. See Little Tim (082FNW157).

Mineral Occurrence

Commodities: Silver, Lead, Zinc

Minerals

Significant:	Galena, Sphalerite, Silver, Tetrahedrite
Associated:	Quartz, Calcite, Siderite
Mineralization Age:	Unknown

Deposit

Character:	Vein
Classification:	Epigenetic, Mesothermal
Type:	I05: Polymetallic veins Ag-Pb-Zn+/-Au

Strike/Dip: 065/58S

Host Rock

Dominant Host Rock: Plutonic

Stratigraphic Age	Group	Formation	Igneous/Metamorphic/Other
Jurassic-Cretaceous	-----	-----	Nelson Intrusions

Isotopic Age	Dating Method	Material Dated
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Lithology: Porphyritic Granite

Geological Setting

Tectonic Belt: Omineca **Physiographic Area:** Selkirk Mountains

Terrane: Plutonic Rocks

Inventory

No inventory data

Summary Production

Metric	Imperial
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Mined:	63 tonnes	69 tons
Milled:	0 tonnes	0 tons

Recovery	Silver	448,847 grams	14,431 ounces
	Lead	4,400 kilograms	9,700 pounds

Capsule Geology

The property consists of the Bondholder (Lot 1257) and Pine Log Crown granted claims, located on the ridge above the Bondholder basin, 9.5 kilometres northeast of Slocan. The property may be reached by the Little Tim mine road via the Springer Creek or Ottawa Mountain roads. The claims lie on the northeast side and the Little Tim (Graphic & Rosebud) (082FNW157) claims lie on the southwest side of the divide. Most of the workings are on the Little Tim claims at the head of Little Tim Creek.

The claims were located in 1894. The Bondholder, Pine Log, Lone Star, and Rosebud claims were under bond to the Bondholder Mining Co. of Vancouver in 1896 and development work was carried out on the east side of the divide. The Lone Star claim was Crown-granted to J.W. Swords in 1897; the Bondholder and Pine Log claims were Crown-granted to A.M. Johnson in 1899. The Bondholder was worked under lease until 1904. The Graphic and Rosebud claims were worked by the Graphic and Rosebud Mining Co. during 1905-1906. No further work was done on any of the claims for a number of years and the Crown-grants were cancelled.

In 1917 the Bondholder and Pine Log claims were Crown-granted to Ainslie and Bartlett. The following year the Little Tim group, consisting of the Little Tim, Mammoth, White Heather, and Purple Heather claims, was staked by D.B. O'Neill who worked the veins intermittently until 1947. The claims subsequently lapsed and the Victory V, V-day, Ute fraction, Radar No. 1, and Radar No. 2 claims were staked on the veins. In 1951 and 1952 the property was held under option by Harrison Drilling and Exploration Company Limited. Most of the work by the company was done on the V-day and Victory V claims, corresponding to the cancelled Graphic and Rosebud claims, respectively. The workings include three adits and a winze, giving a total depth of the mine of about 50 metres. These workings develop two nearly parallel veins about 90 metres apart, hosted by coarse grained, porphyritic Nelson granite. The veins strike 065 degrees, dip 58 degrees southeast, range from 0.3 to 1.2 metres wide and are composed chiefly of quartz with paystreaks of galena or mixed galena and sphalerite with high-grade silver minerals. The galena varies from coarse to fine cubes and the sphalerite is resinous. The silver minerals are grey copper and a little native silver. The ore minerals are accompanied by some chalcedonic quartz and calcite.

During the years 1900 to 1904 inclusive, 65 tonnes of ore were shipped from this property. This averaged about 3400 grams per tonne silver and some lead.

The veins have been traced southwesterly over the divide onto the Graphic and Rosebud claims of the Little Tim mine (082FNW157).

Bibliography

EMPR AR 1896-37,70; 1899-842; 1900-830; 1901-1027; 1902-150; 1903- 139; 1917-452; 1918-195; 1919-126; 1921-142; 1922-203; 1923-229; 1924-201; 1925-246,248; 1926-288; 1928-297; 1935-A27,E33; 1941-45,75; 1947-173; 1951-177; 1952-43,180

EMPR BC METAL MM01137

EMPR FIELDWORK 1987, pp. 31-48

EMPR INDEX 3-190

EMPR OF 1988-11

EMPR P 1989-5

GSC MAP 272A, 1091A

GSC MEM *184, p. 169-170; 308, pp. 133, 148

Date Coded:	1985/07/24	Coded By:	BC Geological Survey (BCGS)	Field Check:	N
Date Revised:	1997/07/22	Revised By:	B. Neil Church (BNC)	Field Check:	N