

Location/Identification

MINFILE Number:	082LSE011	National Mineral Inventory Number:	082L1 Au2
Name(s):	SILVER BELL (L.4329) SILVER HORDE (L.4328), SILVER MOON, KP 4, STULT, JOE CHAMBERLAIN, MONA 2		
Status:	Past Producer	Mining Division:	Vernon
Mining Method	Underground	Electoral District:	Okanagan-Vernon
Regions:	British Columbia	Resource District:	Okanagan Shuswap Forest District
BCGS Map:	082L028		
NTS Map:	082L01W	UTM Zone:	11 (NAD 83)
Latitude:	50 12 04 N	Northing:	5561967
Longitude:	118 25 39 W	Easting:	398125
Elevation:	1524 metres		
Location Accuracy:	Within 500M		
Comments:	The common boundary of Lot 4329 and Lot 4328 (Assessment Report 16935).		

Mineral Occurrence

Commodities:	Silver, Gold, Lead, Copper, Zinc		
Minerals	Significant:	Silver, Tetrahedrite, Bornite, Pyrite, Galena, Chalcopyrite	
	Associated:	Quartz	
	Alteration:	Azurite, Malachite	
	Alteration Type:	Oxidation	
	Mineralization Age:	Unknown	
Deposit	Character:	Vein	
	Classification:	Hydrothermal, Epigenetic	
	Type:	I05: Polymetallic veins Ag-Pb-Zn+/-Au	
	Dimension:	150x4x0 metres	
	Comments:	Quartz veins are reportedly up to 4.5 metres wide and up to 150 metres in length.	

Host Rock

Dominant Host Rock:	Sedimentary		
Stratigraphic Age	Group	Formation	Igneous/Metamorphic/Other
Triassic-Jurassic	Nicola	Undefined Formation	-----
Isotopic Age	Dating Method	Material Dated	
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Lithology:	Argillite, Phyllite, Shale, Siltstone, Limestone, Basalt, Tuff, Porphyry Sill, Dacite		

Geological Setting

Tectonic Belt:	Omineca	Physiographic Area:	Okanagan Highland
Terrane:	Quesnel		

Inventory

Ore Zone:	SAMPLE	Year: 1994
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Category: Assay/analysis

Report On: N

NI 43-101: N

Sample Type: Grab

Commodity	Grade
Silver	297.6000 grams per tonne
Gold	34.0000 grams per tonne

Comments:

Reference: Assessment Report 23401.

Summary Production

		Metric	Imperial
	Mined:	14 tonnes	15 tons
	Milled:	0 tonnes	0 tons
Recovery	Silver	43,171 grams	1,388 ounces
	Gold	311 grams	10 ounces
	Lead	700 kilograms	1,543 pounds
	Zinc	252 kilograms	556 pounds

Capsule Geology

The Silver Bell deposit is located on the north side of Monashee Creek, about 61 kilometres east of Vernon.

The deposit was discovered in 1903 by S. Hill and J. Chamberlain of Revelstoke and they completed trenching and about 24 metres of drift adit. The ground was restaked in 1914 by W.J. Bell and associates as the Silver Bell, Silver Horde and Silver Moon claims. The adit was extended to 43 metres. Several surface crosscuts and stripping along veins, for 122 metres length, were completed, primarily on the Silver Horde claim. The property was acquired by Cheyenne Mines Ltd. in 1977 and 14 tonnes of ore was shipped in 1978. In 1987, Azimuth Geological Inc. staked the Crown grants as the KP claims and conducted a geochemical and prospecting program. In 1994, a geochemical program was conducted on the Mona claims.

The area is underlain by volcanic and sedimentary rocks of the Upper Triassic to Lower Jurassic Nicola Group. These comprise shale, siltstone, argillite, limestone, basalt and tuff.

Quartz veins up to 4.5 metres wide and up to about 150 metres in length are traced by workings on these 2 Crown grants. The veins appear to conform to the strike and dip of the host argillite and trend to the northwest with an approximate dip of 45 degrees northeast. The veins appear to be associated with quartz eye porphyry sills of possible dacitic composition.

One vein is several centimetres to 1.8 metres wide and carries lead, silver and gold values. The pay streak is up to 30 centimetres wide and samples have assayed as high as 20,568 grams per tonne silver and 69 grams per tonne gold (Minister of Mines Annual Report 1914, page 360). Native silver was found in the pay streak.

In 1994, the Silver Bell veins were described as irregular and discontinuous phyllite hosted bull white quartz veins, ranging from 5 centimetres to 1.5 metres in width. Mineralization consists of up to 10 per cent sulphides comprising pyrite, chalcopyrite, galena, bornite and tetrahedrite and malachite and azurite staining. A grab sample taken in assayed 297.6 grams per tonne silver and 34.0 grams per tonne gold (Assessment Report 23401).

In 1978, 14 tonnes of ore produced 311 grams of gold, 43,171 grams of silver, 700 kilograms of lead and 252 kilograms of zinc.

Bibliography

EMPR AR 1904-228; *1914-360; 1920-351; 1921-348
EMPR ASS RPT *16935, *23401
EMPR BC METAL MM00439
EMPR FIELDWORK 1987, pp. 55-58; 1988, pp. 49-54; 1992, pp. 255-257
EMPR MINING 1975-1980, p. 67
EMPR OF 1991-18; 1994-8
EMPR PF (Prospectors Report 2000-45 by Robert Tilsley)
EMPR RGS 082L, 1976; 32, 1991
EMR CORPFILE (Templar Mining Corp., Statement of Material Facts 6/84)
GSC MAP 7216G; 8491G

GSC MEM 296
GSC OF 637(#319); 658
GSC P 91-2, pp. 115-135
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EMPR PFD 811639, 811638, 823664, 600448, 600450, 600451, 600452, 674515, 521191, 521192, 521193, 521194

Date Coded:	1985/07/24	Coded By:	BC Geological Survey (BCGS)	Field Check:	N
Date Revised:	2014/11/27	Revised By:	Laura deGroot (LDG)	Field Check:	N