

Location/Identification

MINFILE Number:	082ESE192		
Name(s):	<u>KENO (L.1319)</u> OPHIR (L.1066), BOMBINI, KEYSTONE (L.1155), EVENING STAR (L.1681), WELLINGTON CAMP		
Status:	Past Producer	Mining Division:	Greenwood
Mining Method	Underground	Electoral District:	Boundary-Similkameen
Regions:	British Columbia	Resource District:	Selkirk Natural Resource District
BCGS Map:	082E008		
NTS Map:	082E02E	UTM Zone:	11 (NAD 83)
Latitude:	49 03 58 N	Northing:	5436024
Longitude:	118 35 26 W	Easting:	383819
Elevation:	2073 metres		
Location Accuracy:	Within 500M		
Comments:	The adjoining Keno and Ophir claims are centred on a low ridge just east of the Lone Star haulage road, 3.9 kilometres south of Phoenix and 6.8 kilometres southeast of Greenwood.		

Mineral Occurrence

Commodities:	Silver, Gold, Copper, Lead, Zinc		
Minerals	Significant:	Chalcopyrite, Pyrite, Sphalerite, Gold, Silver, Pyrrhotite, Magnetite	
	Associated:	Quartz, Magnetite	
	Mineralization Age:	Unknown	
Deposit	Character:	Vein, Disseminated	
	Classification:	Mesothermal, Epigenetic, Skarn	
	Type:	I05: Polymetallic veins Ag-Pb-Zn+/-Au, K01: Cu skarn	
	Comments:	Fissure fillings.	

Host Rock

Dominant Host Rock:	Metasedimentary		
Stratigraphic Age	Group	Formation	Igneous/Metamorphic/Other
Upper Paleozoic	Attwood	Undefined Formation	-----
Upper Paleozoic	Knob Hill	Undefined Formation	-----
Jurassic	-----	-----	Nelson Intrusions
Isotopic Age	Dating Method	Material Dated	
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Lithology:	Greenstone, Limestone, Granodiorite		

Geological Setting

Tectonic Belt:	Omineca	Physiographic Area:	Okanagan Highland
Terrane:	Quesnel, Plutonic Rocks		
Metamorphic Type:	Regional		
Grade:	Greenschist		

Inventory

Ore Zone: ADIT
Category: Assay/analysis

Year: 2009
Report On: N
NI 43-101: N

Sample Type: Rock

Commodity	Grade
Silver	887 grams per tonne
Gold	3.4 grams per tonne
Copper	0.139 per cent
Lead	2.48 per cent
Zinc	0.535 per cent

Comments: a sample (09JHP104) of mineralized quartz vein from an adit
Reference: Dufresne, M. (2013-11-25): Technical Report for the Greenwood Gold Project

Summary Production

		Metric	Imperial
Mined:		294 tonnes	324 tons
Milled:		0 tonnes	0 tons
Recovery	Silver	101,085 grams	3,250 ounces
	Gold	1,244 grams	40 ounces
	Lead	2,711 kilograms	5,977 pounds
	Zinc	275 kilograms	606 pounds

Capsule Geology

The adjoining Keno and Ophir claims are centred on a low ridge just east of the Lone Star haulage road, 3.9 kilometres south of Phoenix and 6.8 kilometres southeast of Greenwood.

Upper Paleozoic rocks on the Keno and Ophir claims consist of volcanics and metasediments of the Attwood Group and greenstones of the Knob Hill Group. These are cut by granodiorites of the Jurassic Nelson Intrusions.

By 1933, development on the property consist of an 11-metre deep shaft on a banded quartz vein (Keno vein) varying from 8 centimetres to 0.9 metre in width and striking 023 degrees northeast. The vein has been traced up for 250 metres and contains pyrite, galena, sphalerite, gold, and silver. Chalcopyrite, pyrite, pyrrhotite and magnetite are also disseminated in limestones. About 46 metres south of this shaft, a crosscut was started with the idea of intersecting the shaft vein about 46 metres south and 8 metres lower in elevation. A second steeply dipping quartz vein intersects the first striking diagonally, at about 110 degrees, across to the shaft. This vein is 15 to 50 centimetres wide and 200 metres in length.

Production from 1935 to 1940 was 294 tonnes of ore yielding 1.2 kilograms of gold, 101 kilograms of silver, 2.7 tonnes of lead, and 0.3 tonne of zinc.

Additional geophysical and geochemical work, sampling, trenching and drilling were done intermittently from 1963 to 1986. Sampling in 1979, on the 310-degree striking Ophir vein averages 20 grams per tonne gold and 8.2 grams per tonne silver across 0.64 metre, along a 55-metre length (Christopher, 1986). In 1980, TriBasin Resources completed detailed sampling on the vein returning 121 metres averaging 9.4 grams per tonne gold across 0.4 metres (Property File - Lee, L. (1990-01-06): Property report: Ophir/Keno).

During 2008 through 2012, Grizzly Discoveries Inc. completed programs of soil, stream sediment and rock sampling, geological mapping and ground geophysical surveys on the area as the Overlander area of the Greenwood property. In 2009, a sample (09JHP104) of mineralized quartz vein from an adit assayed 3.4 grams per tonne gold, 887 grams per tonne silver, 0.139 per cent copper, 2.48 per cent lead and 0.535 per cent zinc (Dufresne, M. (2013-11-25): Technical Report for the Greenwood Gold Project).

Bibliography

EMPR AEROMAG MAP 8497G
EMPR AR 1894-756, map after 758; 1899-849; 1900-991; 1925-197,449; 1928-242; *1933-161; 1935-A25; 1936-D57; 1938-A34; 1940-24; 1967-231
EMPR ASS RPT 1618, 8985, 12017, 19672
EMPR BC METAL MM00876
EMPR INDEX 3-202

EMPR MR MAP 6 (1932)
EMPR OF 1990-25
EMPR P *1986-1, p.37
EMPR PF (*Silver Lady Resources (1987-02-12): Prospectus Report on the Winner Claim Group; Skyhawk Resources (1987-11-26): Prospectus Report on the Bombini Property; Lee, L. (1990-01-06): Property report: Ophir/Keno)
EMPR PRELIM MAP 59
GSC MAP 828; 6-1957; 10-1967; 1500A; 1736A
GSC OF 481; 637; 1969
GSC P 67-42; 79-29
GCNL #133, 1985
Dufresne, M. (2013-11-10): Technical Report for the Greenwood Gold Project
*Dufresne, M. (2013-11-25): Technical Report for the Greenwood Gold Project

EMPR PFD 1339, 1385, 1386, 903859, 812137, 812143, 812144, 812145, 812216, 823253, 824785, 824182, 823244, 823245, 801944, 801991, 861378, 861829

Date Coded:	1985/07/24	Coded By:	BC Geological Survey (BCGS)	Field Check:	N
Date Revised:	2020/07/22	Revised By:	Karl A. Flower (KAF)	Field Check:	N