

### Location/Identification

<b>MINFILE Number:</b>	082KSW145		
<b>Name(s):</b>	<b><u>MOTHER LODE (L.15421)</u></b>		
	MOTHERLODE		
<b>Status:</b>	Past Producer	<b>Mining Division:</b>	Slocan
<b>Mining Method</b>	Underground	<b>Electoral District:</b>	Nelson-Creston
<b>Regions:</b>	British Columbia	<b>Forest District:</b>	Kootenay Lake Forest District
<b>BCGS Map:</b>	082K005		
<b>NTS Map:</b>	082K03E	<b>UTM Zone:</b>	11 (NAD 83)
<b>Latitude:</b>	50 01 56 N	<b>Northing:</b>	5542219
<b>Longitude:</b>	117 06 34 W	<b>Easting:</b>	492162
<b>Elevation:</b>	1067 metres		
<b>Location Accuracy:</b>	Within 500M		
<b>Comments:</b>	Mineral occurrence (Bulletin 22, Figure 15). Located on Rossiter Creek.		

### Mineral Occurrence

<b>Commodities:</b>	Silver, Lead, Zinc		
<b>Minerals</b>	<b>Significant:</b>	Galena, Sphalerite	
	<b>Mineralization Age:</b>	Unknown	
<b>Deposit</b>	<b>Character:</b>	Vein	
	<b>Classification:</b>	Hydrothermal, Epigenetic	
	<b>Type:</b>	I05: Polymetallic veins Ag-Pb-Zn+/-Au	

### Host Rock

<b>Dominant Host Rock:</b>	Metasedimentary		
<b>Stratigraphic Age</b>	<b>Group</b>	<b>Formation</b>	<b>Igneous/Metamorphic/Other</b>
Triassic	Slocan	Undefined Formation	-----
<b>Isotopic Age</b>	<b>Dating Method</b>	<b>Material Dated</b>	
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<b>Lithology:</b>	Phyllite, Limestone, Quartzite		

### Geological Setting

<b>Tectonic Belt:</b>	Omineca	<b>Physiographic Area:</b>	Selkirk Mountains
<b>Terrane:</b>	Quesnel		
<b>Metamorphic Type:</b>	Regional	<b>Relationship:</b>	Pre-mineralization
<b>Grade:</b>	Greenschist		

### Inventory

No inventory data

### Summary Production

	Metric	Imperial
<b>Mined:</b>	3 tonnes	3 tons

**Milled:** 0 tonnes 0 tons

<b>Recovery</b>	Silver	15,303 grams	492 ounces
	Lead	1,740 kilograms	3,836 pounds
	Zinc	86 kilograms	190 pounds

### ***Capsule Geology***

The Mother Lode occurrence is located 1 kilometre northwest of the Caledonia (082KSW041), on the north side of the Kaslo River some 23 kilometres northwest of Kaslo, British Columbia.

Silver-lead-zinc mineralization occurs in the Triassic Slocan Group, locally consisting primarily of black fissile phyllites with interbedded limestone, calcareous phyllites and brown gritty quartzites. The general structural trend is 310 degrees, dipping generally southwesterly. Greenstones and ultramafic rocks of the Permian Kaslo Group unconformably underlie the Slocan Group to the east, also hosting silver-lead-zinc mineralization. Satellite stocks, dikes and sills are generally correlative with the Nelson batholith to the immediate south. Late stage lamprophyre dikes are also common.

The occurrence has a very brief history of recorded production of silver, lead and zinc in 1951. Little information is available for this occurrence, other than production records. Significant minerals, deposit character and type are inferred from production information and surrounding occurrences.

### ***Bibliography***

EMPR AR 1951-A39

EMPR BC METAL MM 00648, MM01317

EMPR FIELDWORK 1978, pp. 92-96

EMPR INDEX 3-206

GSC OF 288; 432; 464

**Date Coded:** 1985/07/24

**Coded By:** BC Geological Survey (BCGS)

**Field Check:** N

**Date Revised:** 1995/10/01

**Revised By:** Keith J. Mountjoy(KJM)

**Field Check:** N