

Location/Identification

MINFILE Number:	082FNW159	National Mineral Inventory Number:	082F14 Ag68
Name(s):	MYRTLE ALMA (L.6516), MCBRIDE, HOWIE, SCOTCH THISTLE (L.2290), FLYETTE, KETA, MILDRED		
Status:	Past Producer	Mining Division:	Slocan
Mining Method	Underground	Electoral District:	Nelson-Creston
Regions:	British Columbia	Resource District:	Arrow Boundary Forest District
BCGS Map:	082F083		
NTS Map:	082F14W	UTM Zone:	11 (NAD 83)
Latitude:	49 48 54 N	Northing:	5518144
Longitude:	117 24 46 W	Easting:	470304
Elevation:	1650 metres		
Location Accuracy:	Within 500M		
Comments:	The Myrtle group of claims, also known as the Alma (Lot 6516), is near the head of Memphis Creek, 6 kilometres northeast of Slocan City. Access is by the Memphis Creek road, 2.5 kilometres east of the Slocan highway.		

Mineral Occurrence

Commodities:	Silver, Zinc, Lead, Copper		
Minerals	Significant:	Galena, Sphalerite, Chalcopryrite, Tetrahedrite, Silver	
	Associated:	Quartz, Calcite	
	Mineralization Age:	Unknown	
Deposit	Character:	Vein	
	Classification:	Epigenetic, Mesothermal	
	Type:	I05: Polymetallic veins Ag-Pb-Zn+/-Au	
	Strike/Dip:	040/35S	

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

Ore Zone:	VEIN	Year:	1987
Category:	Assay/analysis	Report On:	N
		NI 43-101:	N
Sample Type:	Grab		

Commodity	Grade
Silver	179.0000 grams per tonne
Copper	0.0308 per cent
Lead	1.5300 per cent
Zinc	4.8000 per cent

Comments: Vein sample, JL-83.

Reference: Open File 1988-11.

Summary Production

		Metric	Imperial
	Mined:	60 tonnes	66 tons
	Milled:	0 tonnes	0 tons
Recovery	Silver	75,425 grams	2,425 ounces
	Zinc	907 kilograms	2,000 pounds
	Lead	539 kilograms	1,188 pounds

Capsule Geology

The Myrtle group of claims, consisting of the Alma (Lot 6516), McBride and Howie claims, is near the head of Memphis Creek, elevation 1650 metres, 6 kilometres northeast of Slocan City. Access is by the Memphis Creek road, 2.5 kilometres east of the Slocan highway.

The property was developed in the years 1901 to 1907, and intermittently from 1907 to 1966. Ore shipments made in 1907, 1935 and 1966 totalled 60 tonnes containing 75,425 grams of silver, 539 kilograms of lead and 907 kilograms of zinc.

The country rock is porphyritic Nelson granite that is bleached and silicified adjacent to the vein. The vein is in a sheared and brecciated zone that strikes 040 degrees and dips 35 to 40 degrees southeast. A crosscut adit driven easterly at 107 degrees on the 100 level encountered 160 metres of this zone. A small pegmatite dike, a felsic dike and several shears are also exposed in this crosscut. On the 50 level, small lenticular masses of quartz and calcite with pods of sulphides occur within a 26-metre section of the main shear. Galena, sphalerite, some chalcopyrite and a minor amount of tetrahedrite and native silver (?) are the principal ore minerals.

The Alma and McBride claims were held by J.E. Tattersall in 1924; the property was held by R.F. Ainslie during the period 1935-41. Development work to this time consisted of: a 158-metre long crosscut adit and from the end of it 35 metres of drifting on the vein; a 30-metre deep shaft and from the 15-metre level a 21-metre long crosscut to the vein from which an 26-metre drift was run to the south.

Silver King Mines Ltd. began exploration work on the property in 1965. The company name was changed in November 1965 to Kirsch Silver Mines Ltd. A vein sample taken in 1987 assayed 179 grams per tonne silver, 0.0308 per cent copper, 1.53 per cent lead and 4.8 per cent zinc (Open File 1988-11).

Bibliography

EMPR AR 1901-1027; 1902-150; 1903-138; 1904-203; 1905-162; 1906- 146,252; 1907-101,214; 1924-201; 1935-A26,E33; 1940-81; 1941-75; 1965-195; 1966-A52,219
 EMPR BC METAL MM01323
 EMPR INDEX 3-187,206
 EMPR OF 1988-11
 EMPR P 1989-5
 EMPR PF (*Lorimer, M.K. (1967): Report on the Myrtle Mine for Silver Benn Mines Ltd., in 082FNW154; Tattersal, H. (1960): Report of the Alma Group of Mineral Claims; Lorimer, M.K. (1969): Report on the Myrtle Mine for Silver Benn Mines Ltd.)
 GSC MAP 1090A, 1091A, 272A
 GSC MEM 184, p. 166; 308, p. 139
 EMPR PFD 2412, 2425, 2426

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