

### Location/Identification

<b>MINFILE Number:</b>	082M 154		
<b>Name(s):</b>	<b>RED</b> FIR, DON, PAT, JOE, SILVER LICHEN		
<b>Status:</b>	Showing	<b>Mining Division:</b>	Kamloops
<b>Regions:</b>	British Columbia	<b>Electoral District:</b>	Shuswap
<b>BCGS Map:</b>	082M004	<b>Forest District:</b>	Okanagan Shuswap Forest District
<b>NTS Map:</b>	082M03W	<b>UTM Zone:</b>	11 (NAD 83)
<b>Latitude:</b>	51 05 20 N	<b>Northing:</b>	5662439
<b>Longitude:</b>	119 23 44 W	<b>Easting:</b>	332236
<b>Elevation:</b>	1650 metres		
<b>Location Accuracy:</b>	Within 500M		
<b>Comments:</b>	Geology map - Assessment Report 11253; Trench Drawing 2 - Assessment Report 13760.		

### Mineral Occurrence

<b>Commodities:</b>	Lead, Zinc, Silver, Manganese, Gold		
<b>Minerals</b>	<b>Significant:</b>	Galena, Sphalerite, Pyrite, Tetrahedrite, Magnetite, Argentite, Psilomelane	
	<b>Associated:</b>	Quartz	
	<b>Alteration Comments:</b>	Manganese oxides, psilomelane.	
	<b>Alteration Type:</b>	Oxidation	
	<b>Mineralization Age:</b>	Unknown	
<b>Deposit</b>	<b>Character:</b>	Vein, Stockwork, Disseminated, Massive	
	<b>Classification:</b>	Volcanogenic, Epigenetic, Industrial Min.	
	<b>Type:</b>	I05: Polymetallic veins Ag-Pb-Zn+/-Au	
	<b>Shape:</b>	Cylindrical	<b>Modifier:</b> Folded
			<b>Strike/Dip:</b> 060/30N
	<b>Comments:</b>	Attitude of host rocks.	

### Host Rock

<b>Dominant Host Rock:</b>	Metavolcanic		
<b>Stratigraphic Age</b>	<b>Group</b>	<b>Formation</b>	<b>Igneous/Metamorphic/Other</b>
Paleozoic	Undefined Group	Eagle Bay	-----
<b>Isotopic Age</b>	<b>Dating Method</b>	<b>Material Dated</b>	
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<b>Lithology:</b>	Phyllite, Limestone, Chlorite Schist, Calc-silicate		

### Geological Setting

<b>Tectonic Belt:</b>	Omineca	<b>Physiographic Area:</b>	Shuswap Highland
<b>Terrane:</b>	Kootenay		

**Metamorphic Type:** Regional  
**Grade:** Greenschist

### Inventory

**Ore Zone:** STOCKWORK **Year:** 1984  
**Category:** Assay/analysis **Report On:** N  
**NI 43-101:** N  
**Sample Type:** Chip

Commodity	Grade
Silver	700.0000 grams per tonne
Gold	0.6000 grams per tonne
Lead	10.4000 per cent
Zinc	3.5300 per cent

**Comments:** The sample was taken over 1.7 metres.  
**Reference:** Bachelor, D. (1984).

### Capsule Geology

The property is located on the north side of Little Lichen Mountain, approximately 21.5 kilometres north of the community of Scotch Creek.

The area is underlain by sediments and volcanics of the Eagle Bay Formation of Devonian-Mississippian age.

The dominant structural trend in the area is 060 degrees with moderate (25-30 degree) dips to the northwest.

Phyllitic sediments intercalated with dolomitized and silicified carbonates are overlain by a highly pyritic chlorite schist. Separating the two units is a thin (0.5 metre) conform- able calc-silicate alteration zone.

Cutting the phyllitic sediments is a 6 by 9 metre, north- trending, quartz stockwork containing disseminations and irregular pods of galena, sphalerite and pyrite. The stockwork has a sooty black exposed surface. A 1.7 metre chip sample assayed 700 grams per tonne silver, 10.4 per cent lead, 3.53 per cent zinc and 0.6 gram per tonne gold (Bachelor, 1984).

In 1988, a 1.5 metre chip sample returned 0.31 gram per tonne gold, 1498.4 grams per tonne silver, 17.98 per cent lead and 5.30 per cent zinc (EMPR Property File - Kane, C.C. (1989-05-15): Report on Proposition for Silver Lichen claims). In 1991, two drill holes, totalling 209.1 metres, were completed to test the down dip stratigraphy. No values were reported.

### Bibliography

EMPR ASS RPT \*6388, \*7371, \*8348, \*11253, \*12848, \*13760, 14126

EMPR EXPL 1976-59; 1977-87; \*1978-102; \*1979-108; 1982-108; 1984-111,112; 1985-C97

EMPR PF (unknown (unknown): Drill hole logs at Silver Lichen; unknown (unknown): Geology map at Silver Lichen; Black, J.M.

(1976-12-10): Report on the Red Mineral Claim, Prospectus Report Orell Copper Mines Ltd.; Millex Resources Ltd. (1989-01-05): Geology map at Silver Lichen; Kane, C.C. (1989-05-15): Report on Proposition for Silver Lichen claims)

GSC MAP 48-1963

GSC OF 637

Bachelor, D. (1984): Orell Resources Joint Venturing with Noranda at Adams Plateau; IPDM v. 7, No. 2, March/April 1984, p. 9

GCNL Apr. 15, Nov. 4, 1980; Oct. 21, 1982; June 14, 1983; Feb. 15, 1985

N MINER July 5, 1984

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

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

**Field Check:** N

**Date Revised:** 2012/04/15

**Revised By:** Nicole Barlow(NB)

**Field Check:** N