**MINFILE Detail Report**

**BC Geological Survey**

**Ministry of Energy, Mines and Petroleum Resources**

---

### Location/Identification

**MINFILE Number:** 082ESE108  
**Name(s):** SILVER QUEEN (L.1316S)  
**Regions:** MINFILE Number: 082ESE108  
**Status:** Showing  
**Mining Method:** Underground  
**Mining Division:** Greenwood  
**BCGS Map:** 082E048  
**NTS Map:** 082E08W  
**Latitude:** 49 29 52 N  
**Longitude:** 118 24 17 W  
**Elevation:** 1127 metres  
**Location Accuracy:** Within 500M  
**UTM Zone:** 11 (NAD 83)  
**Northing:** 5483742  
**Easting:** 398284  
**Electoral District:** Boundary-Similkameen  
**Resource District:** Selkirk Natural Resource District

**Comments:** Shaft on Lot 1316s west of Burrell Creek, about 52 kilometres north of Grand Forks (Minister of Mines Annual Report 1914).

---

### Mineral Occurrence

**Commodities:** Copper, Lead, Silver  
**Minerals**  
**Significant:** Pyrite, Chalcopyrite, Galena  
**Associated:** Quartz  
**Mineralization Age:** Unknown  
**Deposit**  
**Character:** Vein  
**Classification:** Hydrothermal, Epigenetic  
**Type:** I05: Polymetallic veins Ag-Pb-Zn+/-Au

---

### Host Rock

**Dominant Host Rock:** Volcanic  
**Stratigraphic Age**  
<table>
<thead>
<tr>
<th>Upper Paleozoic</th>
<th>Group</th>
<th>Formation</th>
<th>Igneous/Metamorphic/Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harper Ranch</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
</tr>
</tbody>
</table>

**Isotopic Age**  
<table>
<thead>
<tr>
<th>-----</th>
<th>Dating Method</th>
<th>Material Dated</th>
</tr>
</thead>
<tbody>
<tr>
<td>-----</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-----</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-----</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-----</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Lithology:** Volcanic Rock, Volcaniclastc, Syenite, Monzonite, Granite, Metasedimentary  
**Comments:** Carboniferous to Permian Harper Ranch Group.

---

### Geological Setting

**Terrane:** Harper Ranch, Plutonic Rocks  
**Tectonic Belt:** Omineca  
**Physiographic Area:** Okanagan Highland
Inventory

<table>
<thead>
<tr>
<th>Ore Zone:</th>
<th>DUMP</th>
<th>Year:</th>
<th>1914</th>
</tr>
</thead>
<tbody>
<tr>
<td>Category:</td>
<td>Assay/analysis</td>
<td>Report On:</td>
<td>N</td>
</tr>
<tr>
<td>Sample Type:</td>
<td>Grab</td>
<td>NI 43-101:</td>
<td>N</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Commodity</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silver</td>
<td>47.9 grams per tonne</td>
</tr>
<tr>
<td>Copper</td>
<td>1.0 per cent</td>
</tr>
<tr>
<td>Lead</td>
<td>0.5 per cent</td>
</tr>
</tbody>
</table>

Comments: A dump sample from the shaft
Reference: Property File - Andrew G. Larson [1914-01-01]: Report on the Franklin Mining Camp and North Fork of Kettle River

Capsule Geology

The Silver Queen (L. 1316s) occurrence is located on a hill separating Burrell and Blue Joint creeks, approximately 4.5 kilometres south of Mount McKinley.

The area is underlain by volcaniclastic and sedimentary rocks of the Carboniferous to Permian Harper Ranch Group, which have been intruded by granite and granodiorite of an unnamed Middle Jurassic Intrusion. These are overlain by undivided volcanic rocks of the Eocene Penticton Group. A syenitic to monzonitic intrusive of the Eocene Coryell Plutonic Suite outcrops to the west.

Locally, a 1.5 metre quartz vein is exposed containing pyrite, chalcopyrite and galena. A shaft reported to be 22.8 metres deep was sunk on the vein but is full of water (ca. 1914). A dump sample from the shaft assayed 0.5 per cent lead, 1.0 per cent copper and 47.9 grams per tonne silver (Property File - Andrew G. Larson [1914-01-01]: Report on the Franklin Mining Camp and North Fork of Kettle River)

A shaft and a number of trenches are reported on and around the Juditti and Tripoli (L. 1613s) Crown grant to the south-south east.

Bibliography

EMPR AR 1913-K424; *1914-K348-K350
EMPR PFD 716, 718, 731, 732, 738

Date Coded: 1985/07/24 Coded By: BC Geological Survey (BCGS) Field Check: N
Date Revised: 2018/10/12 Revised By: Karl A. Flower (KAF) Field Check: N