Preliminary Reconnaissance Report

Examined by: L. D. Jarrard and R. Nicolls
Date(s) Examined: September 10, 1953

1. Samples

<table>
<thead>
<tr>
<th>Number</th>
<th>Type and Width</th>
<th>Radioactivity</th>
</tr>
</thead>
<tbody>
<tr>
<td>8525</td>
<td>picked dump</td>
<td>0.17% eV⁻²/⁸</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.36% eV⁻²/⁸</td>
</tr>
</tbody>
</table>

2. State: Idaho  County: Lemhi

3. Type of Examination:

Reconnaissance - surface

4. Directions to Deposit:

North on U.S. 93 about 30 miles from Salmon, Idaho, to Hughes Creek. Turn left up Hughes Creek, 4.9 miles. Then 1.3 miles right up Salmon Creek to mine dumps.

5. Owner or Operator:

Mr. G. I. Hurley, owner (?) and last operator

Address: Salmon, Idaho

6. Mine or Property History, Production and Workings:

The mine is opened by 6 adits with a total of about 2000 feet of underground levels. The mine was last worked just prior to WW II and shipped to a small mill limited quantities of gold ore.

7. Radioactivity:

The two lower dumps exhibit anomalous radioactivity, the lower dump registering from 500 to 700 cps, background 10 cps. Sample 8525 from pile of ore from mine located at Mr. Hurley's hom in Salmon, Idaho. All adits now caved.

8. Description of Deposit (Discuss under: A. Topography, B. Geology, C. Mineralogy)

A. Steep forested mountain slopes.

B. The deposit is a hydrothermal fissure-filled type vein contained in Pre-Cambrian Belt quartzites, micaceous and slightly schistose. The beds strike north to northeast and dip steeply east to southeast.

C. Gray to brown quartz gangue containing pyrite, galena, and a dark-gray to black mineral, possibly finely disseminated pyrite. Uranium minerals were not recognized.

9. Proof of Ownership Received? No

Permission to Publish Received? No

10. Map:

11. Other Investigations:

J. S. Vaney and M. A. Roberts, USGS Tech 30A - 1951

12. Additional Information: None

13. Supplementary Reconnaissance Report to follow

14. File