TUNGSTEN DEPOSITS OF NEVADA

Churchill County
La Plata Mining District

Prospect
Mine Name: Popcorn & Wrangel Prospect
Other Names: 

Location: Sec. 5, T. 18 N., R. 33 E.
U.T.M. 4,367,500 N. 350,500 E.
Long. 118° 18'. W., Lat. 39° 27' N.
Base Map: La Plata Canyon, NV (7½), 15', 2° Quad.

Tungsten Production: none units WO₃

Geologic Type: Popcorn (sheet-like mineralization in blk R. Luning equivalent (?)) 1st
Wrangel (molybdenite, scheelite in layered calc-silicate ?)

Description of Deposit: (Geology, mineralogy, mine workings, history, ownership, etc.)

At the Popcorn prospect (see map copy and Hunter analysis sheet) scheelite (3.54 WO₃) occurs as veins, veinlets, fracture coatings and nests in blk to drk gray carbonaceous country rock within and/or near the northern margin of the La Plata intrusive complex. Although bleached fracture selvages containing epidote are present locally near the contact zones, much of the scheelite is associated with the essentially unaltered blk 1st. Property owned by Cache Creek Exploration Co.

At the Wrangel prospect, vio to bl molybdenite (see map anal. sheet) in banded calc-silicate hornfels facies rocks. The 1st green (scheelite, diopside, pyroxene) 666, 37% Mo occurs

and biege (wollastonite, calcite, goethite, hematite) bands are highly anomalous in molybdenum with only traces of scheelite found along minor fractures. Although this deposit is a pseudo-strata-bound moly occurrence, retromigration involving the destruction of wollastonite to calcite/goethite and the subsequent replacement of calcite by goethite and Mo-rich garnet rims suggest a metasomatic overprint later than the metamorphic event. Property being evaluated owned by Cache Creek Exploration Co. Both 1 & 2 appear to be related to the same system and may be "symptoms" of an underlying "causative intrusive".

References:

664
HUNTER MINING LABORATORY, INC.

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REPORT OF ANALYSIS

Submitted by:
CACHE CREEK EXPLORATION COMPANY
Mr. R. L. Foster
1135 Terminal Way, Suite 206-A
Reno, Nevada 89502

Date: March 10, 1979
Laboratory Number: 4354
Analytical Method: AA Colorimetric
Your Order Number:

Report on: 3 samples.

<table>
<thead>
<tr>
<th>Sample Mark</th>
<th>Molybdenum ppm</th>
<th>Gold ppm</th>
<th>Silver ppm</th>
<th>Tungsten as WO3 percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>664</td>
<td>+300= 0.031%</td>
<td></td>
<td></td>
<td>3.54 &quot;c&quot; lit. Ppcorn</td>
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<tr>
<td>665</td>
<td>280</td>
<td>0.1</td>
<td>460</td>
<td></td>
</tr>
<tr>
<td>666</td>
<td>+300= 0.37%</td>
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<td></td>
<td>banded calc-silicate layers</td>
</tr>
</tbody>
</table>

HUNTER MINING LABORATORY, INC.

Gary M. Fechko

ppm = parts per million. oz/ton = troy ounces per ton of 2000 pounds avoirdupois. percent = parts per hundred. fineness = parts per thousand. ppb = 0.001 ppm. Read — as "less than." 1 oz/ton = 34.286 ppm. 1 ppm = 0.0001% = 0.028087 oz/ton. 10% = 20 pounds/ton.