3300 0024

(12)
Item 24

TUNGSTEN DEPOSITS OF NEVADA

Churchill County

La Plata Mining District

Prospect ~~Mine~~ Name: Popcorn (1) + Wrangell (2) Prospects

Other Names:

Location: Sec. (1) 5, T. 18 N. ~~or S.~~, R. 33 E.

U.T.M. (2) 8 4,367,500 N. 18 387,500 E. 33

Long. 118° 18' W., Lat. 39° 27' N.

Base Map: La Plata Canyon, NV (7½'), 15', 2° Quad. (1972)

Tungsten Production: none units WO_3

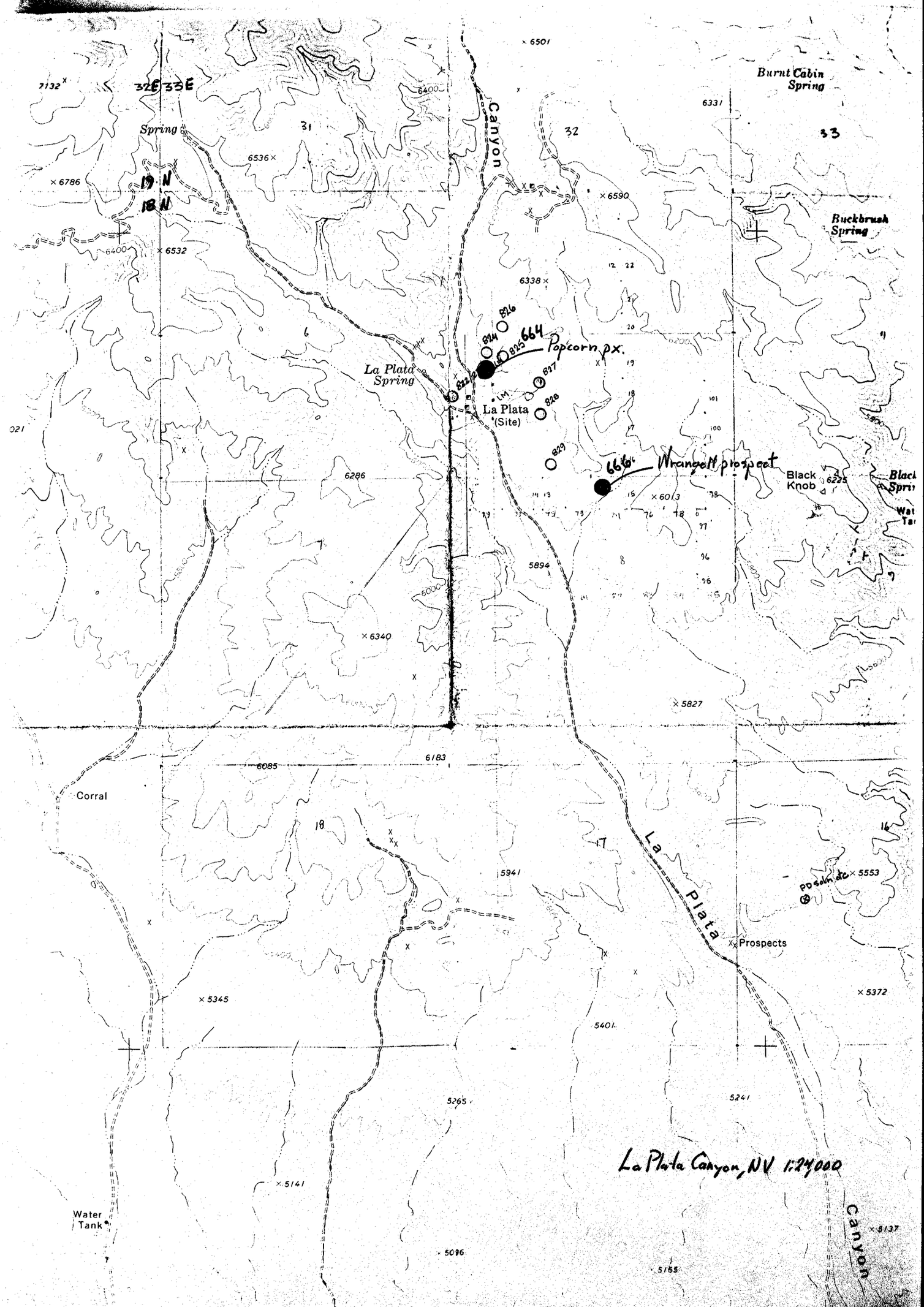
Geologic Type: Popcorn (scheelite mineralization in blk ℞ Luning equivalent(?) lst.
Wrangell (molybdenite (trace scheelite in layed calc-silicate rx)

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

At the Popcorn prospect (1) (see map copy and Hunter 664 analysis sheet) scheelite (3.54 WO_3) occurs as veins, veinlets, fracture coatings and nests with calcite in blk to dk gray carbonaceous country rx septa 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 lst. Property owned by Cache Creek Exploration Co.

At the Wrangell prospect (2) (discovered by Cachex in 1979 during mapping of Popcorn), vfg to fg molybdenite (see map/anal. sheet) 666 .37% Mo occurs in banded calc-silicate hornfels facies rocks. The lt green [qtz-garnet (Ad_{15})-plag., pyroxene (Hd_5)-MoS_2] and beige (wollastonite-calcite-qtz-feox-MoS_2) bands are highly anomalous in molybdenum with only traces of scheelite found along minor fractures. Although this deposit is a "pseudo-stratabound" moly occurrence, retrograde alteration involving the destruction of wollastonite to calcite/qtz and the subsequent replacement of calcite by qtz/MoS_2 and Fe-rich garnet rims suggest a metasomatic overprint later than the thermal metamorphic suite. 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:


32E 33E
19 N
18 N
Spring
Canyon
Burnt Cabin Spring
Buckbrush Spring
La Plata Spring
La Plata (Site)
Popcorn px.
664
Wrangell prospect
Black Knob
Corral
La Plata
Prospects
Water Tank
Canyon
La Plata Canyon, NV 1:24,000

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.

Sample Mark:	Molybdenum ppm	Gold ppm	Silver ppm	Tungsten as WO3 percent	
664	+300= 0.031%			3.54	"C" 1st. Popcorn
665	280	0.1	460		
666	+300= 0.37%				banded calc-silicate facies

HUNTER MINING LABORATORY, INC.

Gary M. Fechko

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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% = 0.029167 oz/ton. 1.0% = 20 pounds/ton.