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Alunite - 1

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ENGINEERS • CONSULTANTS  
LOS ALTOS • CALIFORNIA

INCORPORATED

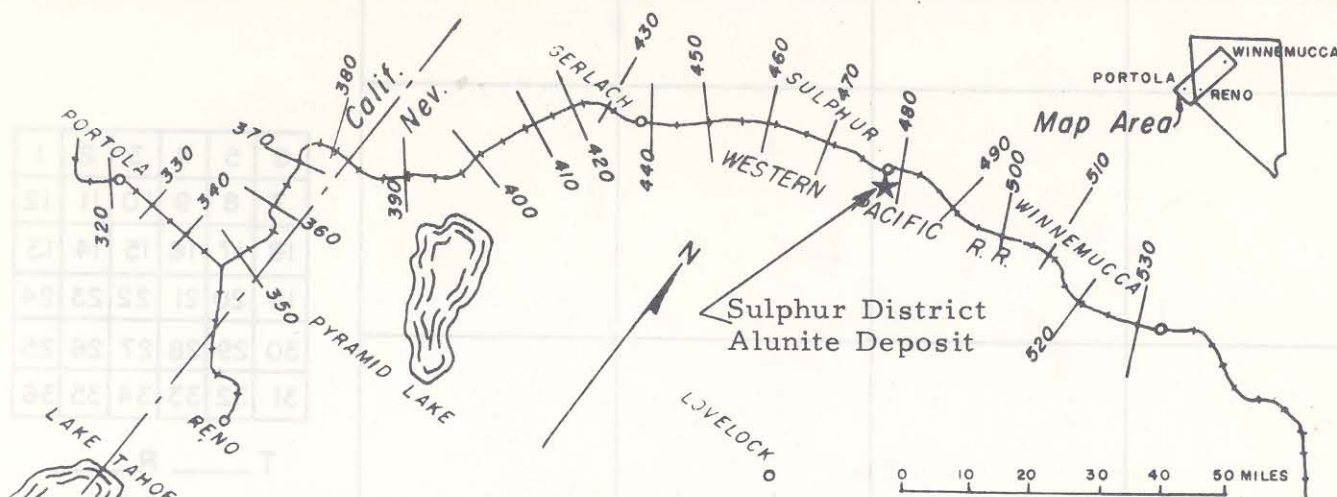
BY: CCM  
DATE: 7-27-64

W.O.: 885.1

MINERAL: Alunite

MINERAL DEPOSIT ALONG WESTERN PACIFIC RAILROAD  
**PORTOLA TO WINNEMUCCA**

PROPERTY NAME: Sulphur District

**LOCATION:** Humboldt County, Nevadaapprox.  
1/4 OF 1/4 OF SEC 34 & 35 TWP 35N RGE 29E**DISTRICT:** Sulphur (Black Rock)**MILEPOST:** 479**POTENTIAL:**

- |                                      |                                    |  |
|--------------------------------------|------------------------------------|--|
| <input type="checkbox"/> LARGE       | <input type="checkbox"/> IMMEDIATE | <input checked="" type="checkbox"/> MEDIUM |
| <input type="checkbox"/> NEAR FUTURE | <input type="checkbox"/> SMALL     | <input type="checkbox"/> DISTANT FUTURE    |
| <input type="checkbox"/> UNKNOWN     |                                    |  |

**DESCRIPTION:** Alunite occurs in at least three parallel veins ranging from 2 to 15 feet in width and with a steep dip. The country rock is principally rhyolite breccia, which is covered in places by tuff and detrital material. The veins are traceable on the surface for a considerable distance. Where exposed to weathering, the alunite is soft and powdery but becomes harder with depth.

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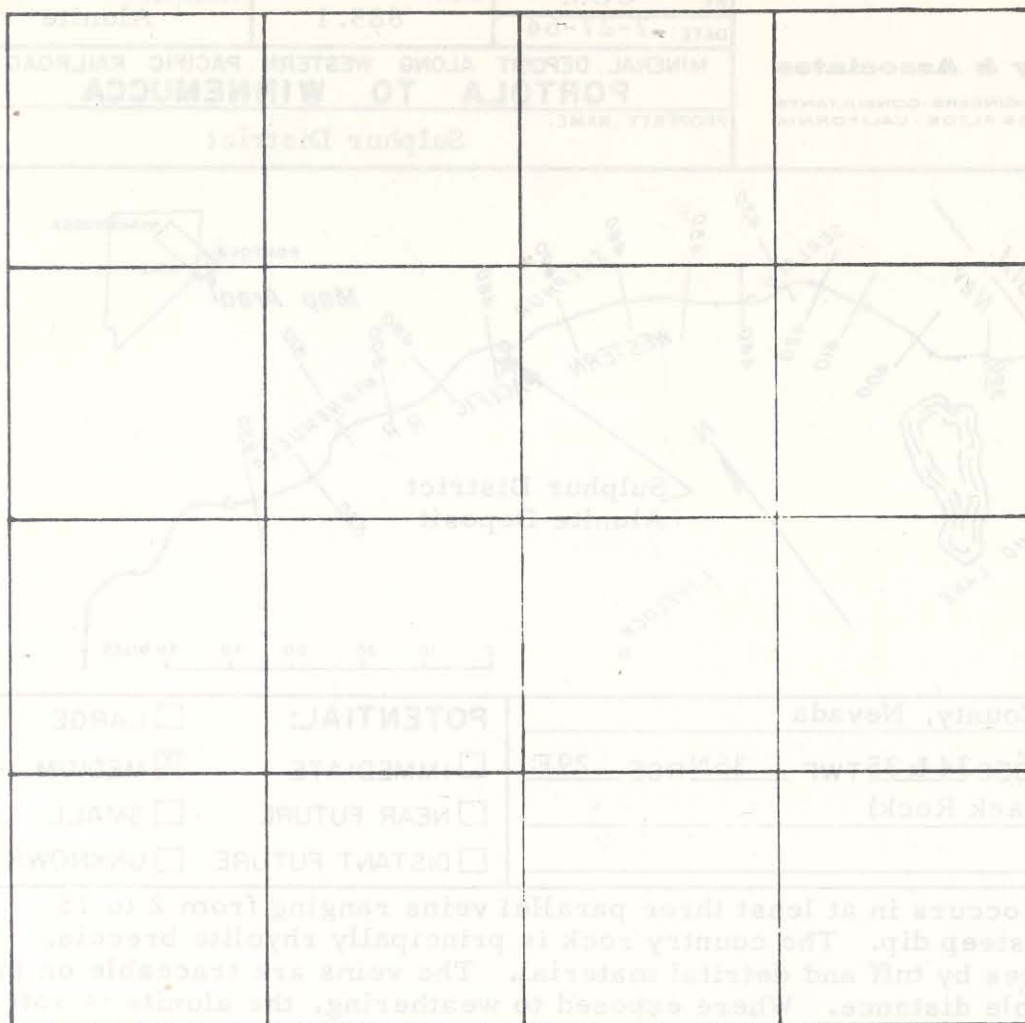
**RESERVES:** Unknown**ACCESS:** 3 miles north to Western Pacific Railroad**OWNERSHIP:** Crofoot Lumber Co., Ukiah, Calif. (?)

**SOURCES OF DATA:** Clark, I. C., Recently recognized alunite deposits at Sulphur, Humboldt Co., Nevada, Eng. & Min. Jour. V. 106, p. 159-163, (U. S. Bureau of

(Over)

**ECONOMICS:****CONCLUSIONS:**

THE WESTERN PACIFIC RAILROAD COMPANY



6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

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SECTION \_\_\_\_\_  
SCALE: 1" = 1000'

### Description (Continued)

Three analyses of the alunite (Clark)

Insoluble ( $\text{SiO}_2$ )	0.09	1.6	2.0
$\text{Al}_2\text{O}_3$	37.4	37.52	37.9
$\text{Na}_2\text{O}$	2.31	2.36	2.27
$\text{K}_2\text{O}$	8.63	9.54	9.10

### Source of Data (Continued)

Mines Information Circular 6995, 1938)