

0160 0009

Item 23 Washoe Co.

Sodium Sulphate - 1

Carroll O. B. Radberry & Associates

ENGINEERS - CONSULTANTS
LOS ALTOS - CALIFORNIA

INCORPORATED

BY: CCM

W.O.:

MINERAL:

DATE: 8-3-64

885.1

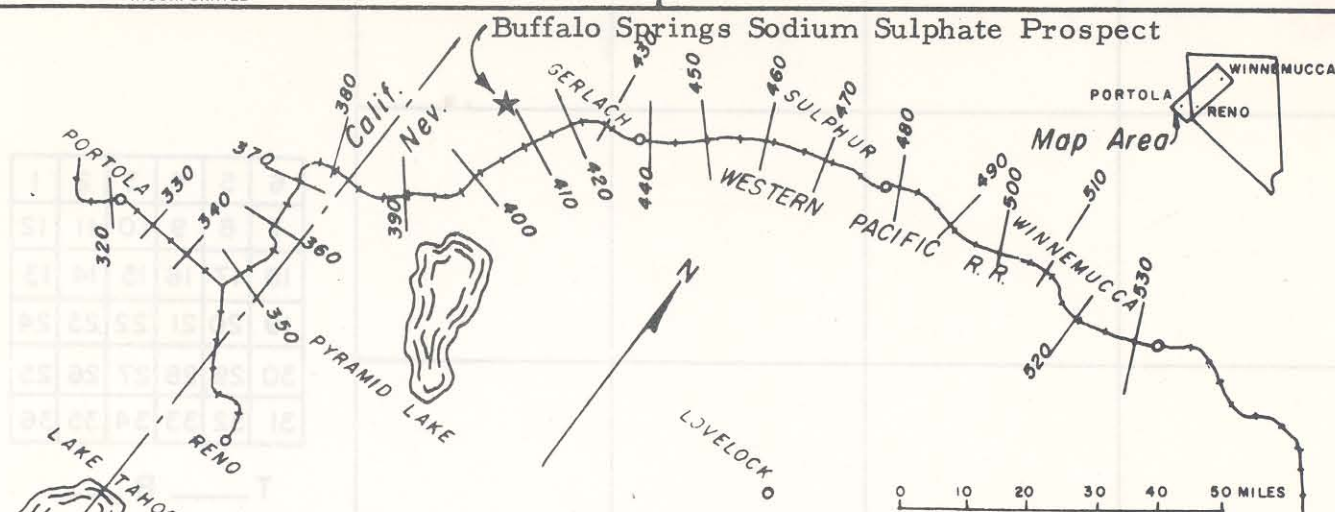
Sodium Sulphate

MINERAL DEPOSIT ALONG WESTERN PACIFIC RAILROAD

PORTOLA TO WINNEMUCCA

PROPERTY NAME:

Buffalo Springs



LOCATION: Washoe County, Nevada

____ 1/4 OF _____ unsurveyed
____ 1/4 OF _____ 1/4 OF SEC _____ 6 TWP _____ 31N RGE 20E

DISTRICT: Buffalo Springs

MILEPOST: west side of Smoke Creek Desert

POTENTIAL:

☐ LARGE☐ IMMEDIATE☐ MEDIUM☐ NEAR FUTURE☐ SMALL☐ DISTANT FUTURE☐ UNKNOWN

DESCRIPTION: Playa sand and mud with salts from dessication of Lake Lahontan thermal springs along range front fault. The water from these springs and that which debouches on the mud flats from nearby surface drainages is soon transformed to a brine by the addition of salt from the lake sediments.

RESERVES: Unknown

ACCESS: 10 miles SE to Western Pacific Railroad

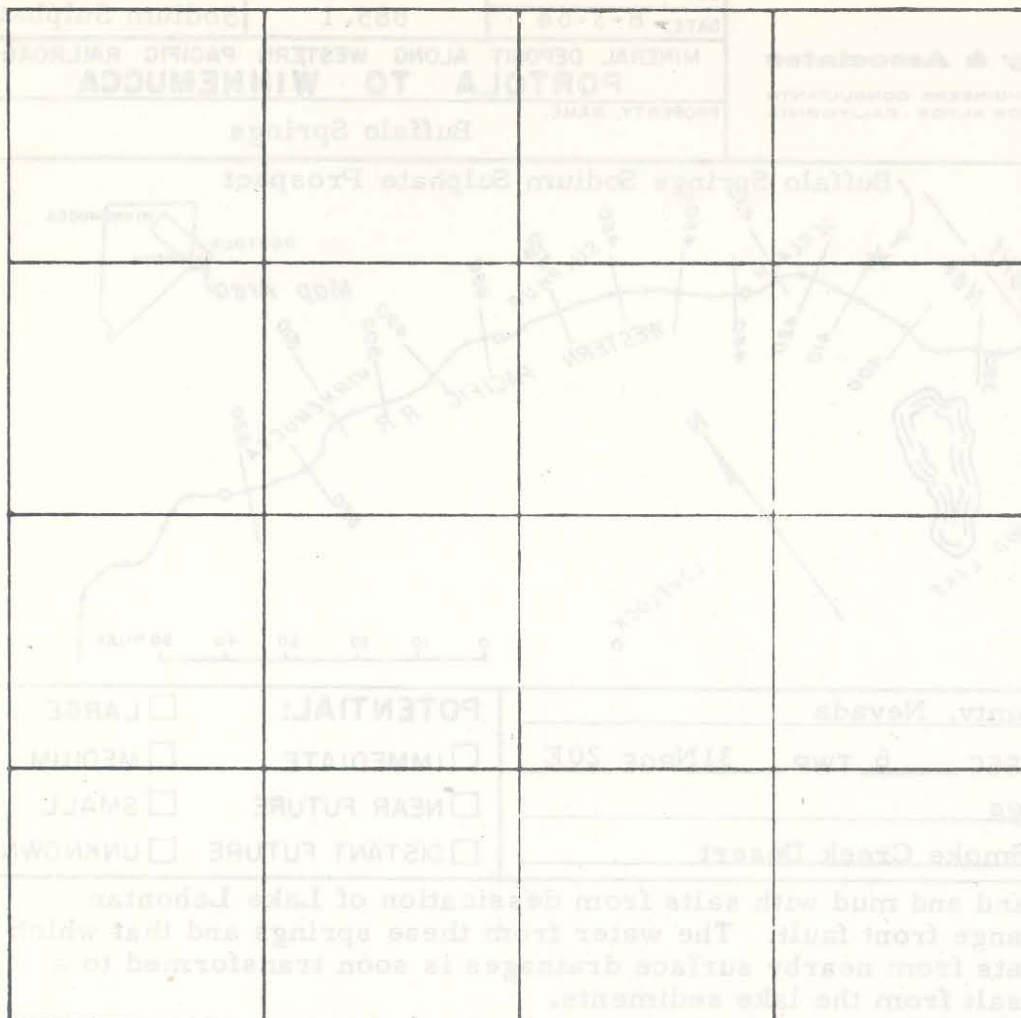
OWNERSHIP: (?) W. D. Parker of Gerlach

SOURCES OF DATA: University of Nevada Bulletin, v. 41, no. 9 (Geological & Mines Series #46) 1947

ECONOMICS:

CONCLUSIONS: Worthy of further investigation

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

T — R —

SECTION _____
SCALE: 1" = 1000'

Buffalo Salt Works, established 1879, produced about 250 tons/yr. for a short time prior to 1885. The crude salt (NaCl) was used mainly for the chloridizing of silver ores, and the purer grade salt segregated for domestic uses. Brine pumped from shallow wells, evaporated in surface vats, crust scraped up. According to Lincoln, (1923, Mining Districts and Mineral Resources of Nevada) a bed of sodium sulphate approximately 8' thick occurs near the old salt works.

United States Geological Survey Bulletin 669 mentions beds of sodium sulphate several feet thick in several places nearby and gives an analysis of brine, mainly sodium chloride, with a 0.311 percent potassium sulphate content.

Bert Ithurburn at Sheephead Station said that a fuller's earth deposit 25 miles to the SW of there had once been drilled by an oil company.