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Item 32

Mineral Resources Inventory and Analysis

of the

Fort Churchill Planning Unit

Carson City District

by

R. E. Bennett

1975

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Sand, gravel, topsoil, and dimension stone . . . .

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INTRODUCTION

The following narrative and accompanying plastic overlays constitute the Fort Churchill Mineral Resource Inventory and Analysis.

Inasmuch as only a limited amount of time was available for field work, this inventory and analysis should in no way be considered comprehensive. As a result, the documentation, analysis, and evaluation presented herein is (1) largely based upon cursory field reconnaissance (during which not even all known mineralized areas were visited), and (2) limited library research.

The format for this report is based upon procedures outlined in the Bureau of Land Management Manual, as supplemented by amendments and instruction memos. The manual instructions infer that this inventory and analysis shall be based primarily upon mineral resource inventories prepared over the years by geologists employed by the Bureau. However, the inventory for Nevada lands is relatively old (1965) and has not been properly maintained.

Reference is made to the published literature insofar as possible. It goes without saying, however, that this study could not have been accomplished--and in fact would have very little value--without the considerable quantity of information published over the years by numerous individuals and organizations. These contributions are hereby gratefully acknowledged.

The narrative portion is composed of two parts, the Present Situation and Minerals Management Opportunities. Additionally, two sets of maps were prepared on plastic overlays in order to present some of this information graphically. They are referenced to both the existing Mineral Resource Inventory and to this narrative.

1. Mineral Status - depicts status of the mineral estate (ownership) of the units, regardless of surface ownership.

2. Mineral Resources - depicts "indicated mineral areas", "mineral resource areas", and "mineral development areas".

   "Indicated mineral areas" are large areas, that based on geology, may contain mineral deposits, but the exact location of the depostis may not be known. Known areas of mining claims without regard to geology are also included. "Mineral resource areas" are located within indicated mineral areas and have a greater potential in terms of discovery of significant mineral deposits. "Mineral development areas" contain known mineral deposits that are in production, are being developed, or are capable of being developed under existing technology. Also included in this cate-

gory are adjacent lands necessary for dump sites, mill or plant sites, and other activities associated with the necessary development of an ore deposit.

Any attempt to assess the mineral potential of an area is a difficult task at best. When time does not permit a thorough analysis, the problems involved become impressive. Therefore, this report does not presume to fully evaluate the potential of an area. Whether or not significant ore deposits will be discovered can only be determined by detailed geologic mapping and exploration. These factors must be kept in mind by anyone using this document and its related exhibits for contrary to popular impression, mineral resources are not finite in quantity, but change over time.

Mining District: TABLE MOUNTAIN QUARRY
(Stone)

T. 17 N., R. 23 E.
Lyon County, Nevada
AMS Reno Map Sheet 1971

GENERAL BACKGROUND

Table Mountain Quarry is located immediately northwest of Table Mountain in section 33, T. 17 N., R. 23 E. The quarry is used as a source of pit run material for local road construction and maintenance.

GEOLOGICAL AND TECHNICAL DATA

The pit has been opened in highly fractured volcanic rock of Tertiary age.

POTENTIAL FOR DEVELOPMENT

The quarry will undoubtedly continue to be used as a local source of aggregate for road construction and maintenance.

COMPANIES AND CLAIMANTS ACTIVE IN AREA

Unknown.

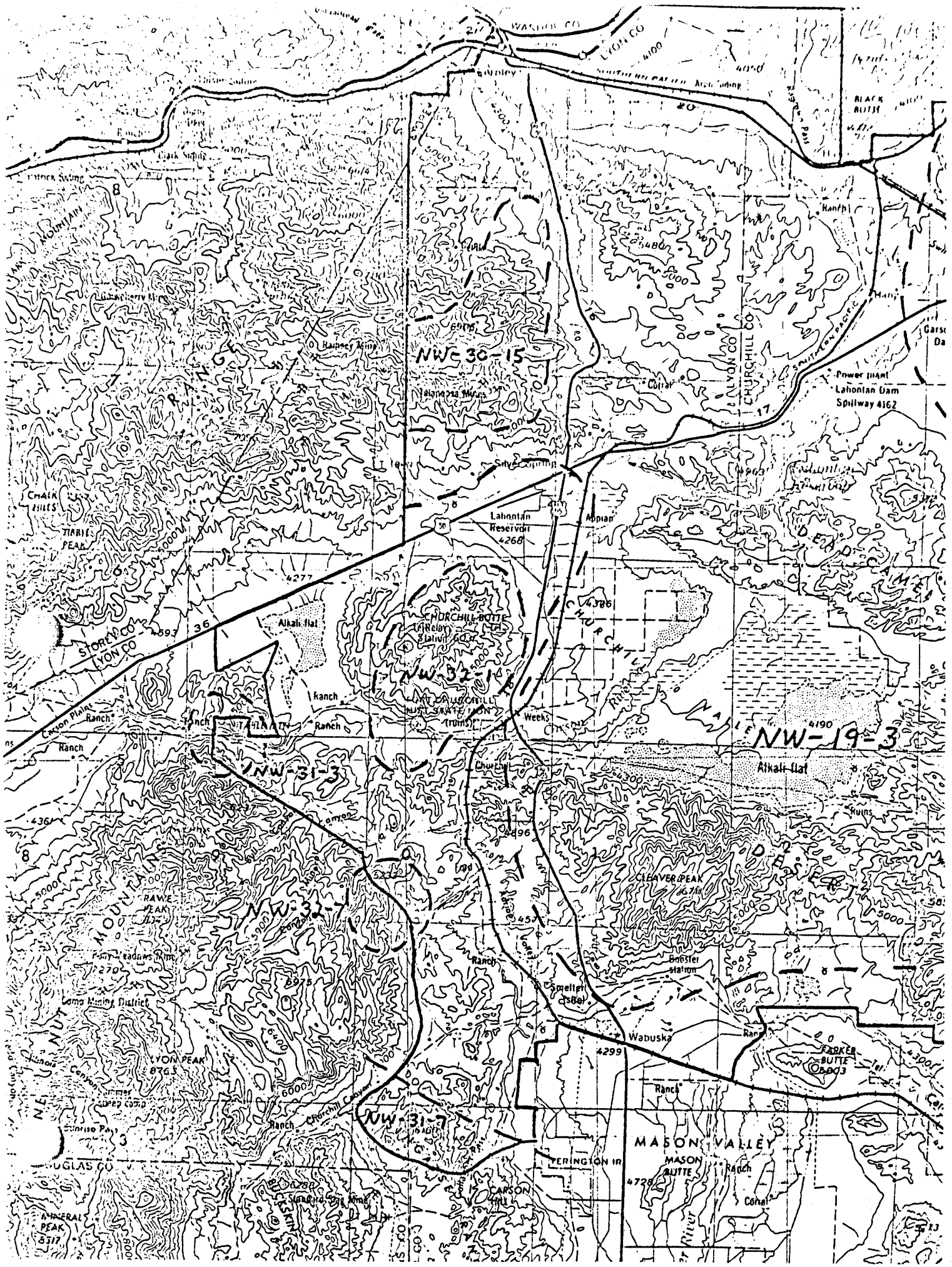
SELECTED REFERENCES

1. Moore: Geology and Mineral Deposits of Lyon, Douglas, and Ormsby Counties, Nevada; Nev. Bur. Mines Bull. 75, 1969. (Includes geologic map of area)

FIELD EXAMINATION

Bennett, May 1973

Bennett, 1975


WASHOE CO
LYON CO
Ragsdale
Ranch
Black Butte
Pass
Ranch
Ranch
Curran
Power Plant
Lahontan Dam
Spillway 4162
CHURCHILL CO
LYON CO
SOUTHERN PACIFIC
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Silver Springs
Lahontan Reservoir
4268
Appian
Chalk Hills
Table Peak
Alkali Flat
Stoper Co
Lyon Co
Cactus Plates
Ranch
Ranch
Ranch
Ranch
Weeks
Churchill
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NW-19-3
Alkali Flat
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Cleaver Peak
Rawe Peak
NW-32-7
Ranch
Booster station
Smelter (site)
Wabuska
Parker Butte
Ranch
Lyon Peak
Ranch
Churchill Canyon
NW-31-7
Mason Valley
Mason Butte
Ranch
Canal
Carson
Mineral Peak
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