Mineral Resources Inventory and Analysis of the Fort Churchill Planning Unit

Carson City District

by

R. E. Bennett

1975

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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 deposits 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: YERINGTON
(Gold, Copper)

T. 14 N., R. 24 E.
Lyon County, Nevada
AMS Reno Map Sheet 1971

GENERAL BACKGROUND

Only a small portion of area NW-31-7 is in the planning unit. There has been no recorded production from the area.

GEOLOGICAL AND TECHNICAL DATA

The oldest rocks in the area are tuffs of the Hartford Hill Rhyolite.

POTENTIAL FOR DEVELOPMENT

Potential for development is remote.

COMPANIES AND CLAIMANTS ACTIVE IN AREA

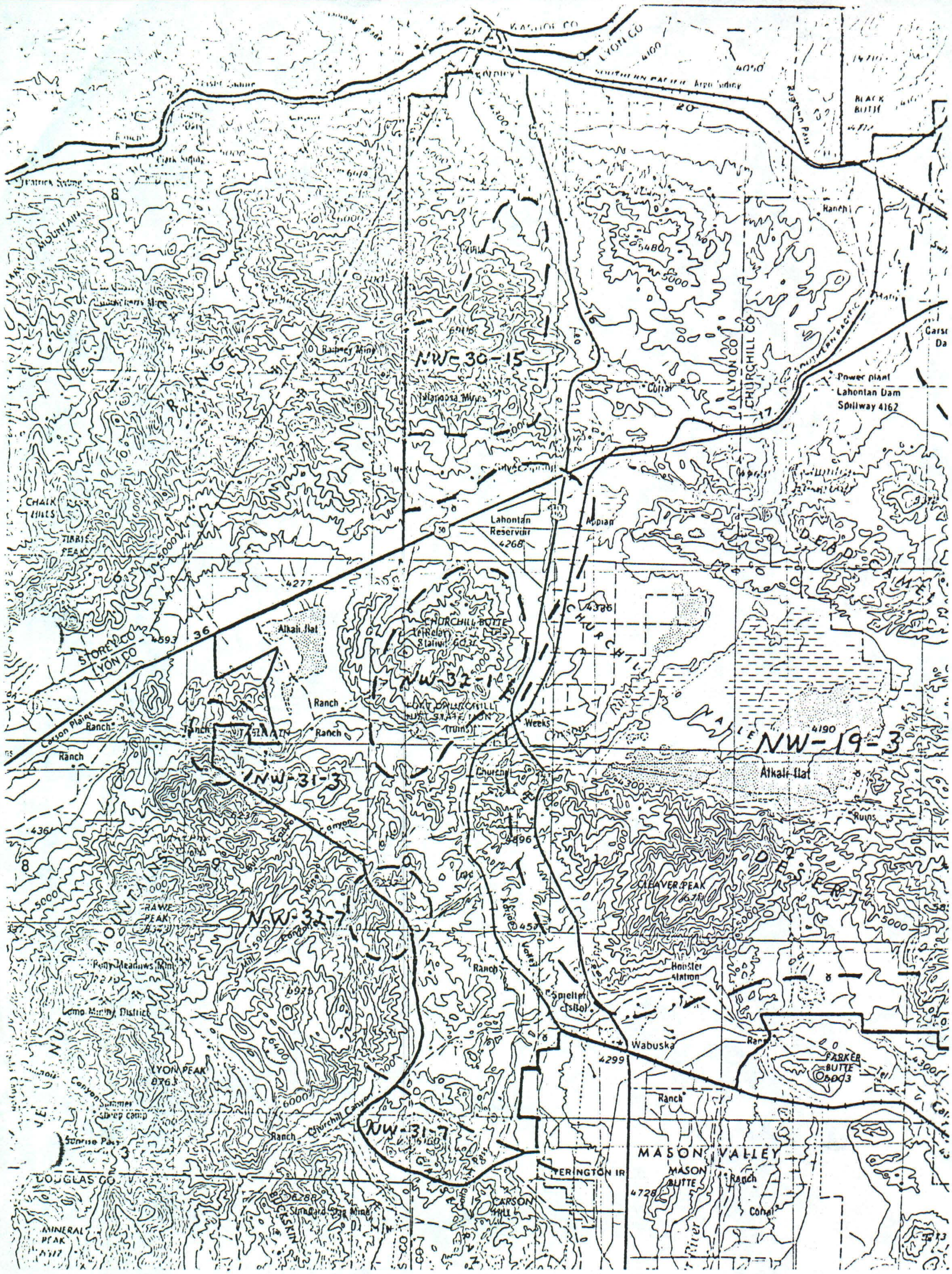
None known.

SELECTED REFERENCES

1. Moore, 1964, Geology and mineral deposits of Lyon, Douglas, and Ormsby Counties, Nevada.

FIELD EXAMINATION

Bennett, 1975



NW-30-15
NW-32-1
NW-19-3
NW-31-3
NW-32-7
NW-31-7
SOUTHERN PACIFIC
Power plant
Lahontan Dam
Spillway 4162
Lahontan
Reservoir
4268
LYON CO
CHURCHILL CO
CHURCHILL BUTTE
Alkali flat
Alkali flat
4190
STOREY CO
LYON CO
CHALK HILLS
Carson Plains
Ranch
Weeks
CLEAVER PEAK
Wabuska
4299
PARKER BUTTE
MASON VALLEY
MASON BUTTE
LYON PEAK
8763
DOUGLAS CO
CARSON HILL
Ranch
Ruins