

MAP PRODUCED AND PUBLISHED BY
U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

AVAILABILITY OF FEDERAL MINERAL LAND COMPARED WITH KNOWN MINERAL DEPOSIT AREAS FOR SELECTED LOCATABLE MINERALS IN NEVADA

NOTES TO MAP USERS

This map is intended to be used as a planning tool and general reference by policymakers and land planners whose interests are with domestic mineral supply and future use of the public land.

The section (60-acre) was determined to be the smallest land subdivision suitable to show mineral ownership and availability. The ownership and availability status shown is based on predominance (80%). If Federal mineral ownership exceeds non-Federal ownership in a section, minerals are shown as Federal. If more than half of the Federal minerals are available, the entire section is shown as available.

The Bureau of Land Management's Master Title Plans (MTPs) were the primary data sources for mineral ownership. Availability was determined from the MTPs, management plans, withdrawal lists, and other official records of the Bureau of Land Management (BLM). Interested parties should refer to the official land records in the BLM Nevada State Office for current ownership data, and records of the responsible Federal land managing agency for current restrictions on any specific tract of Federal land.

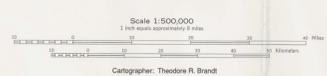
For a full explanation, acknowledgments, and references, see accompanying report.

LEGEND

- ##### AVAILABILITY OF FEDERAL LAND
- **AVAILABLE:** Lands where energy and mineral resource development is routinely initiated by private industry, the managing agencies' practices do not discourage or preclude mineral exploration and/or development.
 - **SLIGHTLY TO MODERATELY RESTRICTED:** Lands where the practical effects of legal constraints or agency management practices may discourage private industry from initiating mineral exploration and/or development.
 - **SEVERELY RESTRICTED TO UNAVAILABLE:** Lands that are closed to operation of some or all of the mineral laws, or areas where the practical effects of legal constraints or management practices greatly discourage private industry from initiating exploration and/or development.

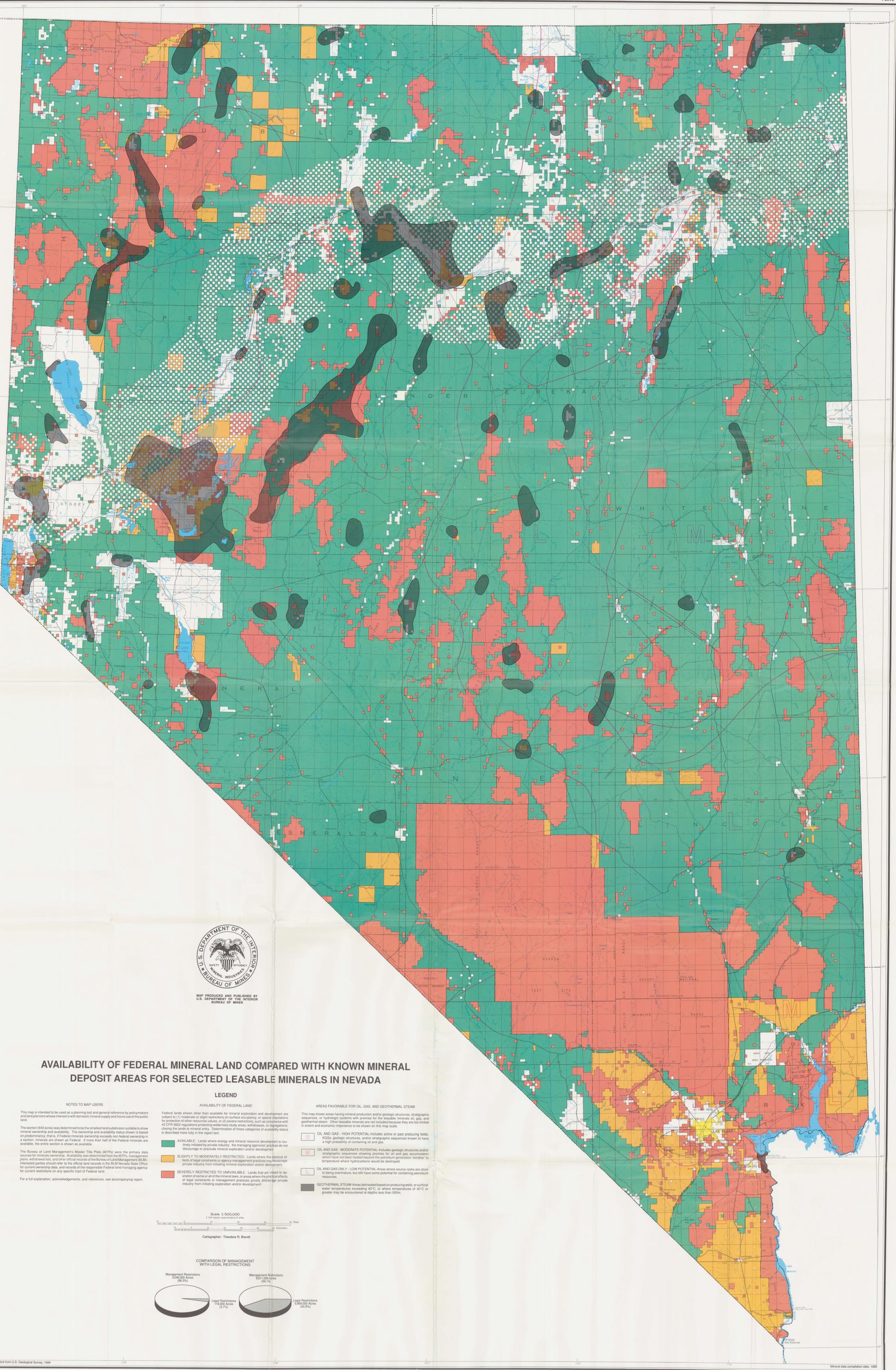
KNOWN MINERAL DEPOSIT AREAS

- **HIGH VALUE KMDA:** An area of mineral deposits having cumulative production of 12 or more identified resources for commodities of interest with a total value of 1 million dollars or more.
- **MODERATE VALUE KMDA:** An area of mineral deposits having a cumulative production and/or identified resources for commodities of interest less than 1 million dollars.



COMPARISON OF MANAGEMENT WITH LEGAL RESTRICTIONS





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AVAILABILITY OF FEDERAL MINERAL LAND COMPARED WITH KNOWN MINERAL DEPOSIT AREAS FOR SELECTED LEASABLE MINERALS IN NEVADA

LEGEND

- AVAILABILITY OF FEDERAL LAND**
- AVAILABLE: Lands where energy and mineral resource development is routinely initiated by private industry; the managing agencies' practices do not discourage or preclude mineral exploration and/or development.
 - SLIGHTLY TO MODERATELY RESTRICTED: Lands where the practical effects of legal constraints or agency management practices may discourage private industry from initiating mineral exploration and/or development.
 - SEVERELY RESTRICTED TO UNAVAILABLE: Lands that are closed to operation of some or all of the mineral laws, or areas where the practical effects of legal constraints or management practices greatly discourage private industry from initiating exploration and/or development.

- AREAS FAVORABLE FOR OIL, GAS, AND GEOTHERMAL STEAM**
- OIL AND GAS - HIGH POTENTIAL: Includes active or past producing fields, KGGS, geologic structures, and/or stratigraphic sequences known to have a high probability of containing oil and gas.
 - OIL AND GAS - MODERATE POTENTIAL: Includes geologic structures and/or stratigraphic sequences showing promise for oil and gas accumulation which have not been heated beyond the petroleum generation "window" to temperatures where hydrocarbons would be destroyed.
 - OIL AND GAS ONLY - LOW POTENTIAL: Areas where source rocks are close to being overmature, but still have some potential for containing petroleum resources.
 - GEOTHERMAL STEAM: Areas delineated based on producing wells, or surficial water temperatures exceeding 40°C, or where temperatures of 40°C or greater may be encountered at depths less than 500m.

NOTES TO MAP USERS

This map is intended to be used as a planning tool and general reference by policymakers and landowners whose interests are with domestic mineral supply and future use of the public land.

The section (640 acres) was determined to be the smallest land subdivision suitable to show mineral ownership and availability. The ownership and availability status shown is based on preliminary data. If Federal mineral ownership exceeds non-Federal ownership in a section, minerals are shown as Federal. If more than half of the Federal minerals are available, the entire section is shown as available.

The Bureau of Land Management's Master Title Plans (MTPs) were the primary data sources for mineral ownership. Availability was determined from the MTPs, management plans, withdrawal lists, and other official records of the Bureau of Land Management (BLM). Interested parties should refer to the official land records in the BLM Nevada State Office for current ownership data, and records of the responsible Federal land managing agency for current restrictions on any specific tract of Federal land.

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