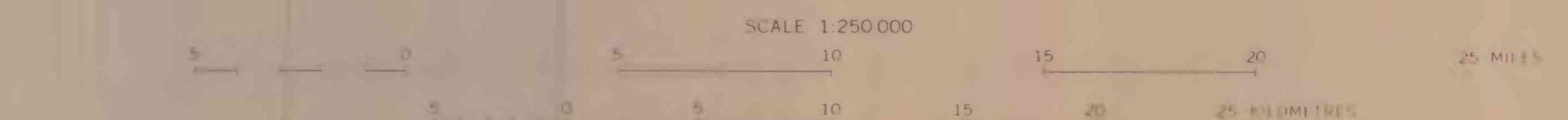
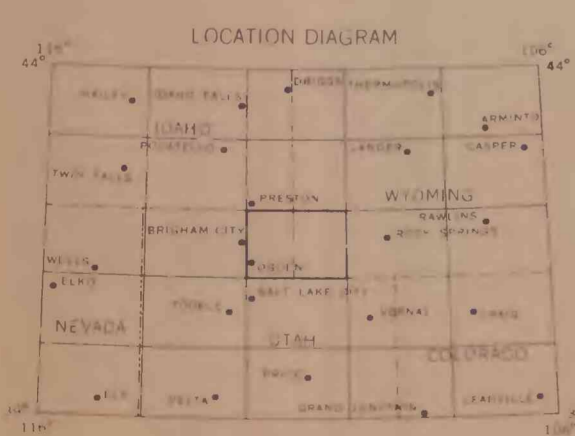
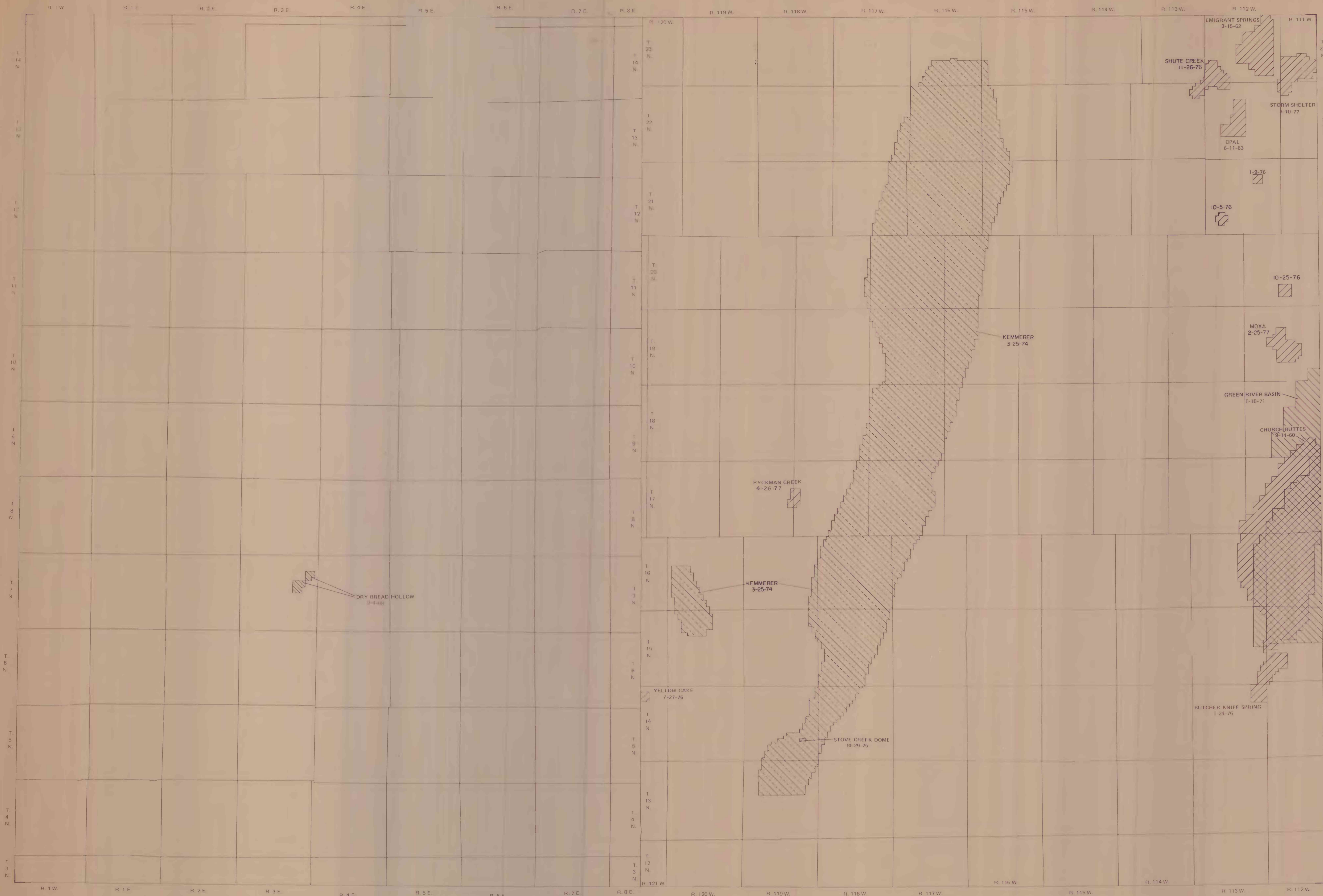


Only the land classification categories present in the quadrangle are colored in the explanation and on the map; an asterisk (*) preceding a colored classification category in the explanation indicates that the category includes all land in the quadrangle and so, to reduce clutter, the color is omitted from the map. Categories not colored in the explanation are not present in the quadrangle. All withdrawn lands are prospectively valuable for the mineral for which they are withdrawn. Land classification applies only to public lands within category boundaries. Leasable minerals are coal, oil and gas, and oil shale; phosphates, or phosphate rock; chlorides, sulfates, carbonates, borates, and silicates; nitrodes of potassium and sodium; sulfur in Louisiana and New Mexico; and native asphalt, solid and semisolid bitumen, and bituminous rock (including oil-impregnated rock or sands from which oil is recoverable only by special treatment after the deposit is mined or quarried). However, all minerals are leasable on Federal acquired lands and restricted allotted and tribal Indian lands. Leasable mineral outcrops are not shown. A symbol preceding a mineral name on the selected minerals list indicates the mineral is present in the map area. Active mines are not differentiated from inactive mines, the size and grade of the mineral occurrence are not indicated, and names are given hereon for only a few of the mines.

- MINERAL LAND CLASSIFICATION**
- WITHDRAWN LANDS--Showing withdrawal number and date (month-day-year)**
- Coal
 - Oil shale
 - Phosphate
 - Sodium
- CLASSIFIED LANDS**
- Coal
 - Oil shale
 - Phosphate
 - Sodium
- AREAS DESIGNATED FOR COAL LEASING--Showing name and effective date (month-day-year)**
- Known recoverable coal resource area (KRCRA) ^{1/}
- KNOWN LEASING AREAS--Showing name and effective date (month-day-year)**
- NOTE: Not all areas have been assigned names
- Known geologic structure of producing oil and gas field (KGS)
 - Known geothermal resources area (KGRA)
 - Known oil shale leasing area
 - Known phosphate leasing area
 - Known potassium leasing area
 - Known sodium leasing area

- WATERPOWER LAND CLASSIFICATION**
- Classified or withdrawn for waterpower or reservoir sites



LEASABLE MINERAL AND WATERPOWER LAND CLASSIFICATION MAP
OF THE OGDEN QUADRANGLE, UTAH, WYOMING
LANDS WITHDRAWN, CLASSIFIED, AND PROSPECTIVELY VALUABLE FOR LEASABLE MINERALS;
OCCURRENCES OF OTHER SELECTED MINERALS; AND LANDS WITHDRAWN OR
CLASSIFIED FOR WATERPOWER AND RESERVOIR SITES
Compiled by
E. G. Allen, E. M. Pera, J. E. Smedley, and G. A. Lutz
1977

All information on this map compiled as of 1-3-1977.

^{1/} Previously designated as known coal leasing area (KCLA)

U. S. Geological Survey
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This map has not been edited for
conformity with Geological Survey
editorial standards or stratigraphic
nomenclature.