

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES AND ENERGY
UTAH GEOLOGICAL AND MINERAL SURVEY
MAP 68
ENERGY RESOURCES MAP OF UTAH
MAY 1983

Compiled by the Geologic Staff and Illustrations Section of the Utah Geological and Mineral Survey

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Scale 1:500,000
1 inch equals approximately 8 miles

- LEGEND**
- State capital
 - County seat
 - City, town, or village
 - Scheduled service airport
 - County boundary
 - Interstate highway
 - U.S. Highway
 - State highway
 - Other principal roads

SOURCE DATA
U.S. Dept. of the Interior - Geologic Survey
U.S. Dept. of the Interior - Bureau of Land Management
U.S. Geological Survey
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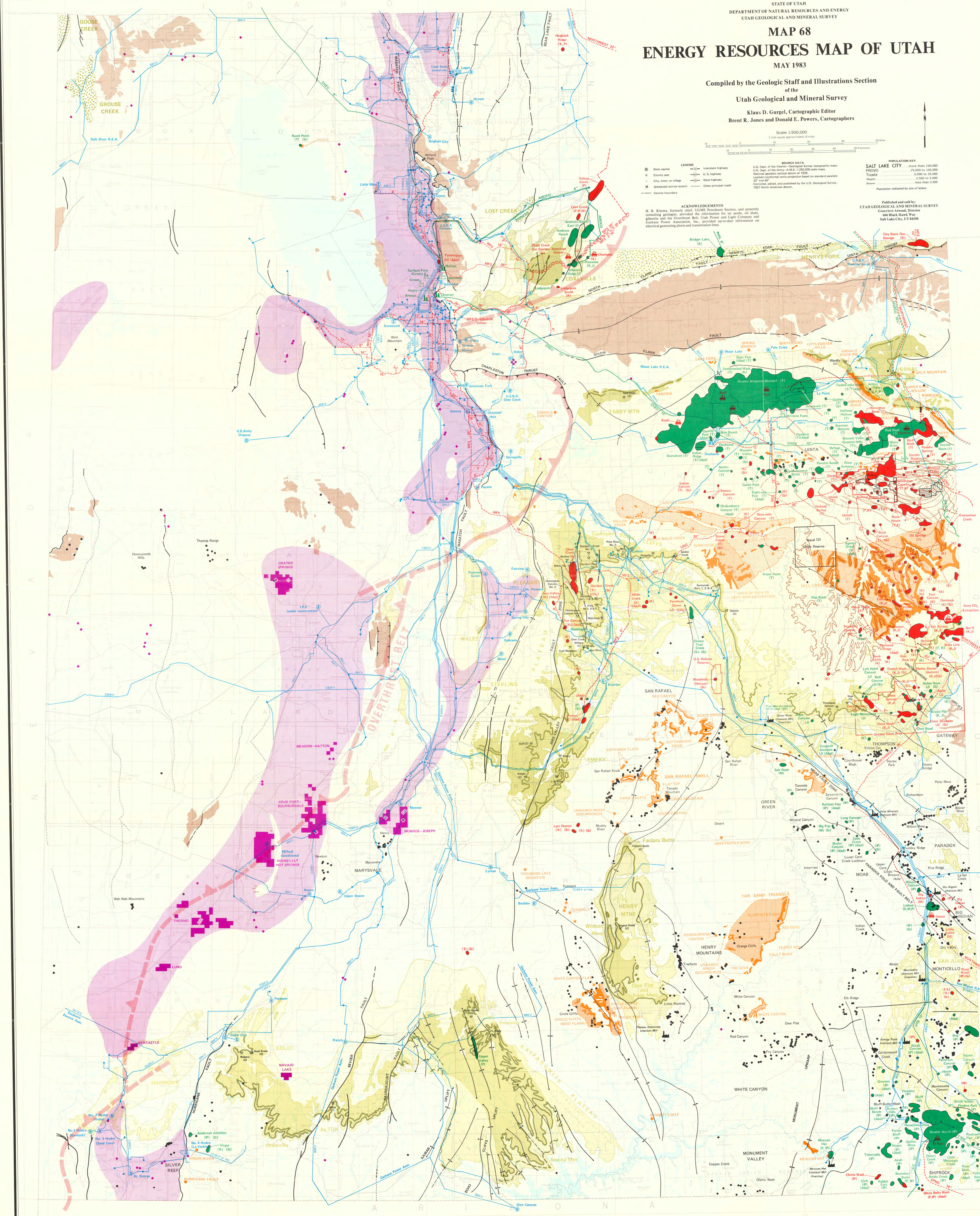
POPULATION KEY

SALT LAKE CITY	more than 100,000
INDIGO	25,000 to 100,000
TRIANGLE	5,000 to 25,000
HEXAGON	2,500 to 5,000
SQUARE	less than 2,500

Populations indicated by size of stars

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<p>PRECAMBRIAN OUTCROP Dashed where concealed, dotted where inferred, bar and tail on downstream side.</p> <p>NORMAL FAULT Dashed where concealed, dotted where inferred, bar and tail on downstream side.</p> <p>THRUST FAULT Dashed where concealed, dotted where inferred, bar and tail on downstream side.</p> <p>OIL FIELD AND PIPELINE Showing name of field, pipeline diameter, and pipeline operator (as of Jan. 1983). May also produce natural gas (FGLG), (AGS) = abandoned; (SI) = Shut-in; (CO) = Carbon dioxide; (HE, LUM) = helium.</p> <p>GAS FIELD AND PIPELINE Showing name of field, pipeline diameter, and pipeline operator (as of Jan. 1983). May also produce natural gas (FGLG), (AGS) = abandoned; (SI) = Shut-in; (CO) = Carbon dioxide; (HE, LUM) = helium.</p> <p>AGES OF OIL AND GAS PRODUCING FORMATIONS (1) Quaternary (2) Pleistocene (3) Pliocene (4) Pliocene/Pleistocene (5) Pliocene/Pleistocene (6) Pliocene/Pleistocene (7) Pliocene/Pleistocene (8) Pliocene/Pleistocene (9) Pliocene/Pleistocene (10) Pliocene/Pleistocene (11) Pliocene/Pleistocene (12) Pliocene/Pleistocene (13) Pliocene/Pleistocene (14) Pliocene/Pleistocene (15) Pliocene/Pleistocene (16) Pliocene/Pleistocene (17) Pliocene/Pleistocene (18) Pliocene/Pleistocene (19) Pliocene/Pleistocene (20) Pliocene/Pleistocene</p>	<p>GEOLOGY</p> <p>ANTICLINE Showing axis of uplift. Dashed where approximately located. Arrow indicates direction of plunge.</p> <p>SYNCLINE Showing axis of basin or anticline.</p> <p>MONOCLINE Showing trace of axis.</p> <p>OIL AND NATURAL GAS</p> <p>OIL REFINERY More than 20,000 barrels per day capacity. Operator shown.</p> <p>NATURAL GAS PROCESSING PLANT</p> <p>PIPELINE OPERATORS</p> <p>AGS - Abandoned; SI - Shut-in; CO - Carbon dioxide; HE, LUM - Helium.</p>	<p>OIL-IMPREGNATED ROCK</p> <p>DEPOSIT Dark brown solid areas indicate known outcrops of oil-impregnated rock or areas where impregnation can be reliably projected from outcrop or core hole data. Light brown solid areas are probably underlain completely by oil-impregnated rock. Cross-hatched areas are probably underlain in part by scattered, thin oil-impregnated rock.</p> <p>DEPOSIT Concentrated or of small extent.</p> <p>DEPOSIT Generally similar and grouped together (lines indicate grouping).</p> <p>SALT WASH</p> <p>ISOPACH Line showing thickness, in feet, of a coal-shale sequence of all shale containing 25 or more gallons per ton. Short dash where thickness of shale unit is rounded, long dash where poorly known.</p> <p>FEDERAL LANDS Proposed or state development tracts.</p> <p>STATE LANDS State Wash project area with proposed plant site.</p>	<p>GILOSITONE Exposed trace of known sites.</p> <p>OIL SHALE</p> <p>OUTCROP OF MANGANY ZONE Paratcha Creek Member of the Green River Formation. Not shown west of Green River.</p> <p>COAL</p> <p>Deeply buried Cretaceous strata, possibly coal-bearing or shallow where information is meager.</p> <p>Continuously outcropping thin coal seams, or infrequently explored or absent of coal.</p> <p>Cretaceous coal-bearing outcrops, coal zone with seams generally thicker than 4 feet.</p> <p>Areas of reported Tertiary coal or lignite, thin or thick seams.</p> <p>Carboniferous coal-bearing rock.</p> <p>COAL MINE Names shown. (FC) important coal mine.</p> <p>Coal zones or important seams.</p> <p>Coal field Area within coal field.</p> <p>EMERY Sego</p> <p>(For detailed information on thickness of coal and overburden and on estimates of reserves see USGS Monograph Series Nos. 1, 2, and 3.)</p>	<p>URANIUM</p> <p>MOAB MINE DISTRICT*</p> <p>BUH1</p> <p>AREA WITHIN DISTRICT</p> <p>URANIUM MINE Active or inactive.</p> <p>URANIUM MILL Name shown.</p> <p>*Area outside a designated district is not part of the Salt Lake district.</p> <p>GEOTHERMAL</p> <p>THERMAL SPRINGS Surface temperature < 50° C. Surface temperature > 50° C.</p> <p>KNOWN GEOTHERMAL RESOURCE AREA (KGRA) As designated by the U.S. Department of the Interior.</p> <p>AREA OF LATERAL EXTENT Favorable for discovery and development of local sources of low temperature (< 90° C.) water.</p>	<p>ELECTRICITY</p> <p>MAJOR TRANSMISSION LINE Capacity shown in kilovolts. Transmission line of 60 kV capacity designated in congested areas. Transmission lines connecting to generating plants shown regardless of kV capacity.</p> <p>PLANT Steam generated. Name shown.</p> <p>PLANT Hydro generated. Name shown.</p> <p>PLANT Gas turbine generated. Name shown.</p> <p>PLANT Diesel generated. Name shown.</p> <p>PLANT Geothermal generated. Name shown.</p> <p>SUBSTATIONS</p> <p>FUTURE TRANSMISSION LINES</p> <p>INTERMOUNTAIN POWER PROJECT RURAL ELECTRIFICATION AUTHORITY U.S. BUREAU OF REDEMPTION</p> <p>Most power lines are operated by Utah Power and Light Company; major exceptions are labeled.</p> <p>MAJOR PHYSIOGRAPHIC DIVISIONS IN UTAH</p> <p>BASIN AND RANGE ROCKY MOUNTAINS COLUMBIAN PLATEAU CANYONLANDS</p>
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