

NATURAL HAZARDS MAP SPECIAL STUDY AREA REPORT REQUIREMENTS
Is a site specific natural hazards report required for approval?

Land Use (Type of facility)	Liquefaction Potential HIGH & MODERATE	Special Study Area LOW & VERY LOW	Surface Fault Rupture Special Study Area
Critical facilities (essential and hazardous facilities and special occupancy structures as defined in section 19.75.102)	YES	YES	YES
Industrial & Commercial buildings (1 story or <5,000sq. ft.)	NO*	NO	YES
Industrial and Commercial Bldgs. (>5,000 sq. ft.)	YES	NO	YES
Residential-Loss/Single Family Homes	NO*	NO	YES
Residential subdivisions (>9 Lots), and Residential Multi-Family Dwellings (4 or more units per acre)	YES	NO	YES
Residential Subdivisions (<9 Lots), and Residential Multi-Family Dwellings (<4 units per acre)	NO*	NO	YES

* Although no special study is required, disclosure is required as described in Section 19.75.101 App. No PL-88-4044 Eff. Date 5-31-89

Special Study Areas Map
Salt Lake County, UT
Salt Lake County Planning and Development Services
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This map is a compilation of the most recent geological information available. It is designed to provide the public with information on potential hazard areas, and to specify areas needing site-specific geological study before being developed. These special study areas were delineated from mapping done at a regional scale, and although every effort was made to be as accurate as possible, the data does not substitute for large-scale, site specific geological information. This map will be updated as new information becomes available.

EXPLANATION

FAULTS: Represented by a solid line where the location is known from mapping or monitoring, dashed lines are approximately located or inferred, shaded areas are the direction of the fault slip. The discontinuous-shaded areas indicate where trenching has occurred. The shaded areas around the faults indicate areas where the size specific studies are required for certain land uses prior to approval.

SURFACE FAULT RUPTURE SPECIAL STUDY AREA: The shaded areas around the faults indicate areas where the size specific studies are required for certain land uses prior to approval.

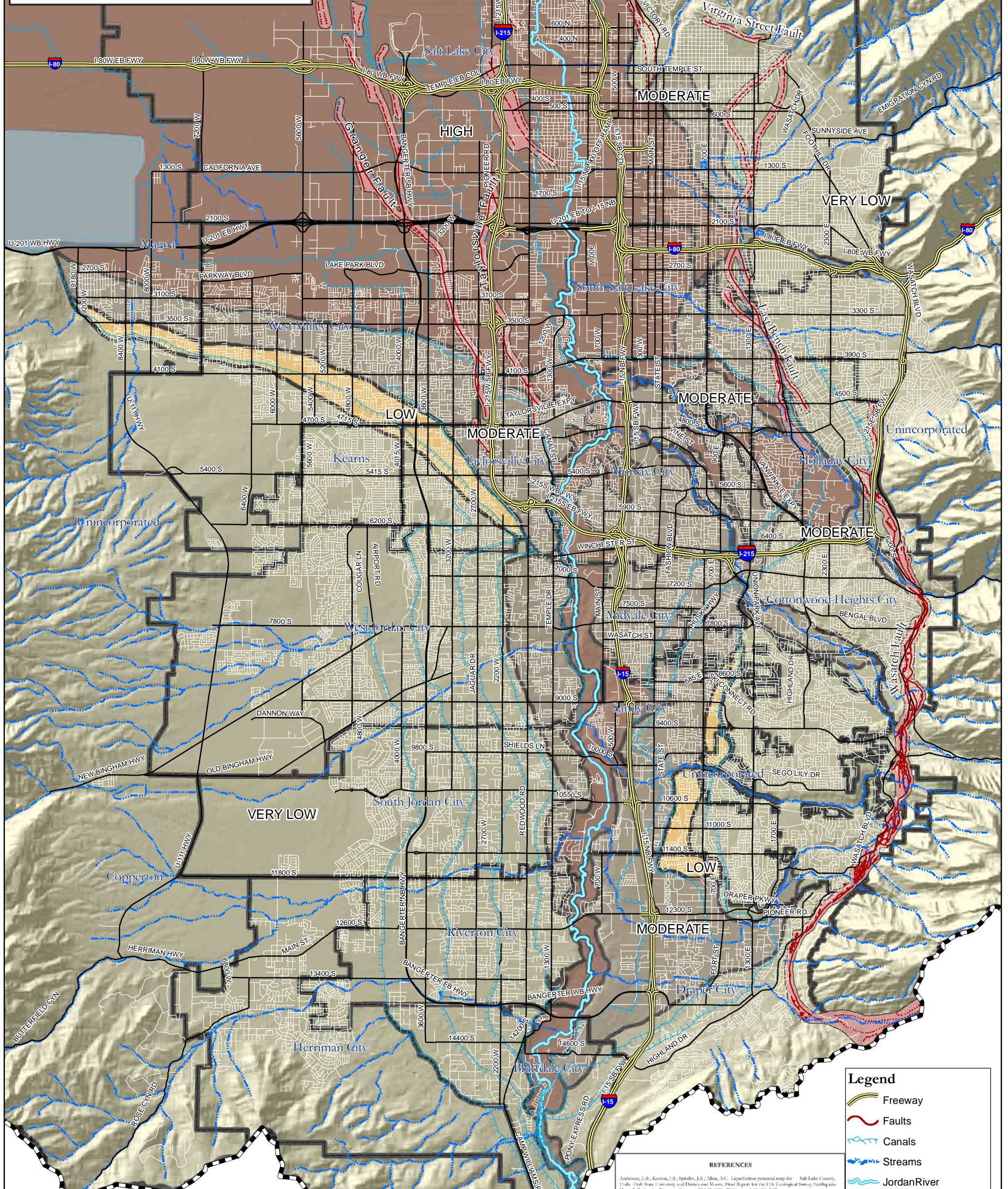
LIQUEFACTION POTENTIAL: Approximate probabilities that the critical ground motions at natural or induced frequencies will be exceeded in 100 years.

HIGH: > 50% Approximate probabilities that the critical ground acceleration needed to induce liquefaction will be exceeded in 100 years.

MODERATE: 10 - 50%

LOW: 5 - 10%

VERY LOW: < 5%



DISCLAIMER:
"This map is published by Salt Lake County Planning and Development Services to assist parties in locating surface faults and ruptures at a 1:24,000 scale. Since this map is based upon unrelated private studies rather than a comprehensive study covering the entire county, Salt Lake County makes no express or implied warranty regarding its suitability for a particular use, completeness or accuracy. Salt Lake County, and its officers, agents and employees, shall not be liable under any circumstances for any direct, indirect, special, incidental, or consequential damages arising out of the use of, or reliance upon, information provided or omitted on this map."

REFERENCES

Anderson, L.R.; Keston, J.R.; Spittler, J.R.; Allen, A.C. Liquefaction potential map for Salt Lake County, Utah. Utah State University and Dames and Moore, Final Report for the U.S. Geological Survey Faultplane Hazard Reduction Program, Contract #14-08-0001, 1993a, map 1:18,000, 1993.

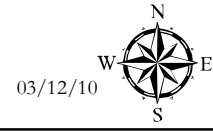
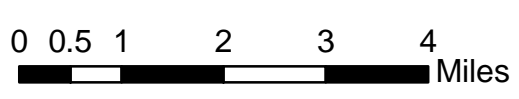
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Scott, W.L.; Mason, R.R. Seismic geologic map of an area along the Wasatch Fault, Zone in the Salt Lake Valley, Utah. U.S. Geological Survey Open File Report 85-448, 1985, map 1:24,000, 1985.

Van Horn, Richard and Citterman, M.D. Map showing surficial units and bedrock geology of the Fort Douglas Quadrangle and Parts of the Mountain Dell and Salt Lake City-North Quadrangles, Davis, Salt Lake and Morgan Counties, Utah. U.S. Geological Survey Miscellaneous Investigations Series Map 1-1762, scale 1:24,000, 1997.

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Legend

- Freeway
- Faults
- Canals
- Streams
- Jordan River
- Study Area
- Lakes
- Municipal Boundaries

Liquefaction Potential

- VERY LOW
- LOW
- MODERATE
- HIGH