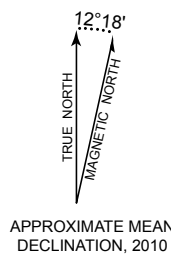


## INDOOR RADON HAZARD POTENTIAL MAP OF THE MAGNA QUADRANGLE, SALT LAKE COUNTY, UTAH

by

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2011



APPROXIMATE MEAN  
DECLINATION, 2010

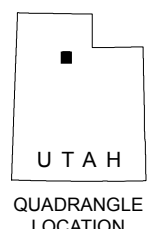
### EXPLANATION

- Not Mapped** – Areas not mapped due to significant and ongoing human disturbance.
- INDOOR RADON HAZARD POTENTIAL CATEGORIES**
- High** – Areas where probable indoor radon concentrations are greater than 4 pCi/L; groundwater depth is greater than 30 feet below the surface, and soil is highly permeable to moderately permeable.
  - Moderate** – Areas where probable indoor radon concentrations range from 2 to 4 pCi/L; groundwater depth is less than 30 feet below the surface, and soil is moderately permeable.
  - Low** – Areas where probable indoor radon concentrations are less than 2 pCi/L; groundwater depth is less than 10 feet, and soil is impermeable, therefore these factors impede the movement of radon gas into overlying structures.

### USING THIS MAP

This map is intended to provide an estimate of the underlying geologic conditions that may contribute to the indoor-radon-hazard potential. This map is not intended to indicate indoor radon levels in specific buildings. Although certain geologic factors are conducive to elevated indoor-radon-hazard potential, other highly variable factors affect indoor radon levels, such as building materials and foundation openings; therefore the indoor radon levels can vary greatly between structures located in the same hazard category. This map is not intended for use at scales other than 1:24,000, and is designed for use in general planning to indicate the need for site-specific indoor-radon-level testing. Indoor radon testing is important in all hazard categories, and we recommend testing be completed in all existing structures.

For additional information about the indoor- radon-hazard potential in the Magna quadrangle, refer to Chapter 6 of the accompanying report.



QUADRANGLE  
LOCATION

1	2	3
4	5	6
7	8	

ADJOINING 7.5' QUADRANGLE NAMES

1. Antelope Island South
2. Baileys Lake
3. Salt Lake City North
4. Farnsworth Peak
5. Salt Lake City South
6. Bingham Canyon
7. Copperton
8. Midvale