



FEMA Region VIII All-Hazards Plan

U.S. Department of Homeland Security

February 19, 2020



FEMA

Annex W: Wasatch Fault Earthquake Incident Specific Annex

1 Overview

- Located on the western edge of the Wasatch Mountains in Utah.
- 10 segments, 240 miles long, stretching from southern Idaho through north central Utah.
- Normal (vertical motion) fault.
- The region has the largest percentage (88,630 buildings) of unreinforced masonry buildings in the United States.

2 Constraints

- Very little population and services outside Salt Lake Valley to provide support to survivors or responders.
- Long distances to other major metro areas and to distribution centers.
- Approximately 80 percent of the 3 population of Utah lives within the Wasatch Seismic Zone.
- Limited routes into the valley.
- Northern Utah has the largest percentage of unreinforced masonry buildings in the United States.

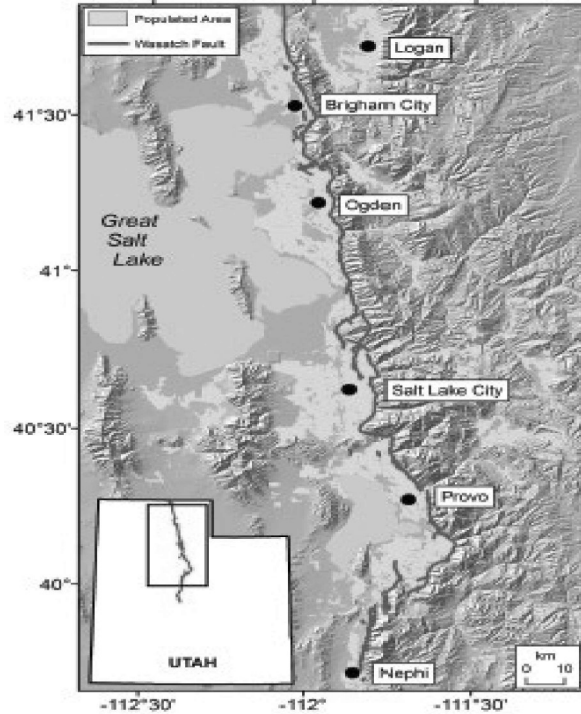


Figure W-1: Fault Line and Population

3 Considerations

- This catastrophic earthquake scenario focuses on a nine-county region of concern, consisting of: Morgan, Davis, Summit, Box Elder, Salt Lake, Wasatch, Weber, Utah, and Tooele (20,754 square miles).
- Population: 2,432,912.
- Individuals with access and/or functional needs: 486,582.
- Persons 65 years and over: 255,456.
- Persons under 5 years: 201,932.
- Persons in poverty: 248,157.

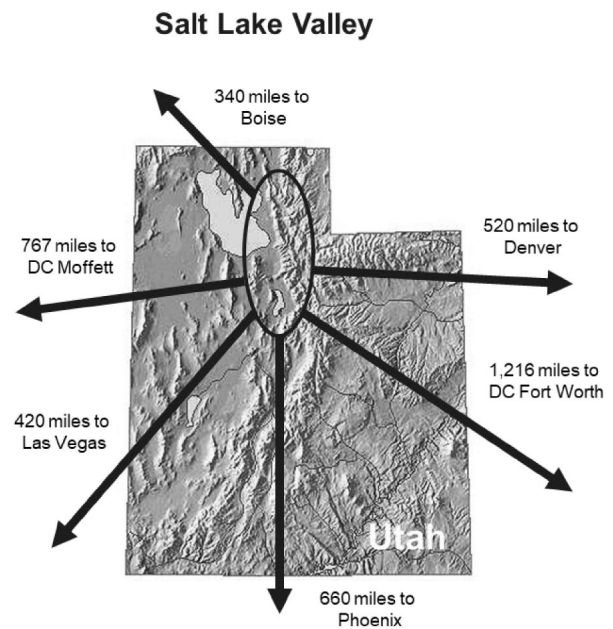


Figure W-2: Distance to Nearest Cities