

# Liquefaction Susceptibility Map of Douglas County, Oregon



STATE OF OREGON  
DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES  
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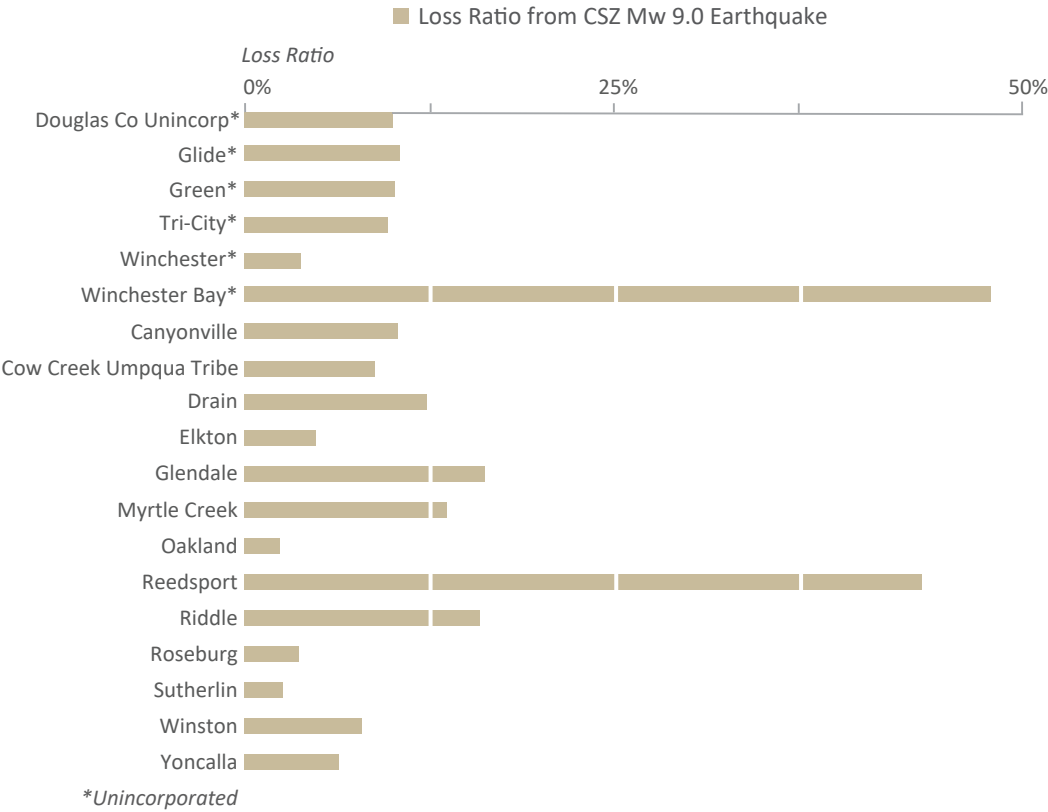
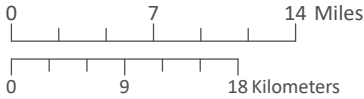


This map is an overview map and not intended to provide details at the community scale. The GIS data that are published with the Douglas County Multi-Hazard Risk Assessment can be used to inform regarding queries at the community scale.

## Liquefaction Susceptibility

- Low or None
- Moderate
- High
- Very High

Liquefaction is a type of ground deformation that occurs during an earthquake where saturated soil contracts and liquefies. The ground that becomes liquefied can no longer support heavy structures that are built on top of it. Liquefaction is a significant factor in the risk from earthquake hazard.



**Data Sources:**  
Earthquake peak ground acceleration: Oregon Department of Geology and Mineral Industries (2021)  
Roads: Oregon Department of Transportation Signed Routes (2013)  
Place names: U.S. Geological Survey Geographic Names Information System (2015)  
City limits: Oregon Department of Transportation (2014)  
Basemap: Oregon Lidar Consortium (2014)  
Hydrography: U.S. Geological Survey National Hydrography Dataset (2017)

Projection: NAD 1983 UTM Zone 10N  
Software: Esri® ArcMap 10, Adobe® Illustrator CC  
Cartography by: Matt C. Williams, 2023

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