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DEPARTMENT OF GEOLOGY AND
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Liquefaction Map of Cottage Grove, Oregon

PLATE 5

Liquefaction Susceptibility

- Low or None
- Moderate
- High
- Very High

Liquefaction is a type of ground deformation that occurs during an earthquake where saturated, non-cohesive 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.

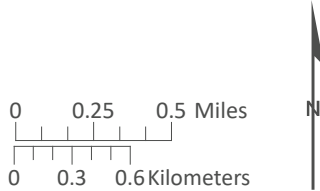
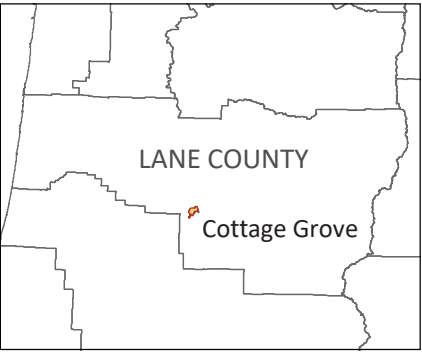
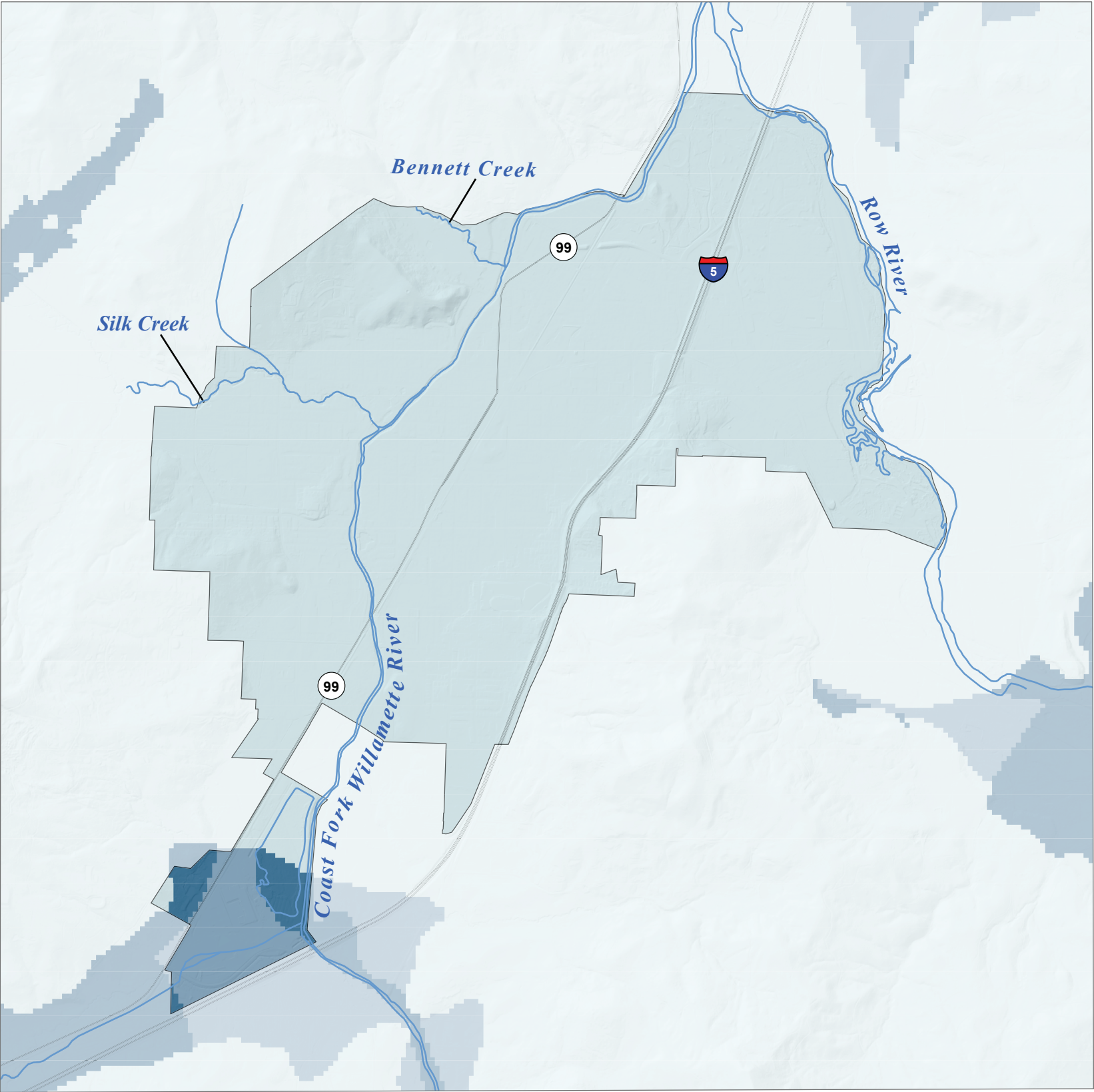
Map Elements

- Cottage Grove Urban Growth Boundary
- Streams
- Major Roads

Community	Earthquake Risk					
	Potentially Displaced Residents	% Potentially Displaced Residents	Exposed Buildings	Exposed Critical Facilities	Building Value Exposed (\$)	Exposure Ratio
Cottage Grove	37	0.4%	318	8	111,599,000	7.1%

Data Sources:
Liquefaction: Oregon Seismic Hazard Database (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 (2017)
Hydrography: U.S. Geological Survey National Hydrography Dataset (2017)

Projection: NAD 1983 HARN Oregon Statewide Lambert
Software: Esri ArcMap 10, Adobe Illustrator CC
Cartography by: Matt C. Williams, 2022



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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 Cottage Grove Multi-Hazard Risk Assessment can be used to inform regarding queries at the community scale.