Site-specific data may give results that differ from the results shown in the publication. See the accompanying

text report for more details on the limitations of the

methods and data used to prepare this publication.

## CSZ Mw-9.0 Earthquake Shaking Map of Douglas County, Oregon PLATE 2 STATE OF OREGON DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES RUARRI J. DAY-STIRRAT, STATE GEOLOGIST https://www.oregon.gov/dogami North Fork OREGON Modified Perceived Potential Peak Ground 43°51'44.784"N Mercalli Shaking Damage Acceleration (g) Smith River PACIFIC OCEAN Not felt None < 0.000464 Weak 0.000464 - 0.00297 Peak Ground Acceleration (PGA) is the maxi-Study Location Map LANE COUNTY Weak 0.000464 - 0.00297 mum acceleration in a given location or rather how hard the ground is shaking during an earth-Light 0.00297 - 0.0276 This map is an overview map and not quake. It is one measurement of ground motion, intended to provide details at the Moderate Reedsport Very Light 0.0276 - 0.115 Umpqua River which is closely associated with the level of community scale. The GIS data that are published with the Douglas Strong Light 0.115 - 0.215 damage that occurs from an earthquake. County Multi-Hazard Risk Assess-VII Very Strong Moderate 0.215 - 0.401 ment can be used to inform regard-VIII Severe Mod./Heavy 0.401 - 0.747 ing queries at the community scale. 0.747 - 1.39 Winchester Bay Yoncalla Scholfield Creek ■ Loss Ratio from CSZ Mw 9.0 Earthquake 14 Miles Loss Ratio 25% 50% Douglas Co Unincorp\* Glide\* Oakland LANE COUNTY Green\* COOS COUNTY Tri-City\* Winchester\* North Umpqua River Winchester Bay\* Canyonville | Cow Creek Umpqua Tribe Drain \_\_\_\_ Wincheste Elkton Glendale \_\_\_ Myrtle Creek Oakland \_\_\_\_ Deer Creek Green Reedsport | Riddle \_\_\_ Roseburg \_\_\_\_\_ South Umpqua River Sutherlin \_\_\_\_ 42 Myrtle Creek Winston Yoncalla \_\_\_\_ \*Unincorporated Data Sources: Earthquake peak ground acceleration: Oregon Department of Geology and Mineral Industries (2021) Cow Creek Disclaimer: This product is for informational purposes and Roads: Oregon Department of Transportation Signed Routes (2013) Lower Cow Creek may not have been prepared for or be suitable for legal, Place names: U.S. Geological Survey Geographic Names Information System (2015) City limits: Oregon Department of Transportation (2014) engineering, or surveying purposes. Users of this informa-Basemap: Oregon Lidar Consortium (2014) tion should review or consult the primary data and Hydrography: U.S. Geological Survey National Hydrography Dataset (2017) information sources to ascertain the usability of the information. This publication cannot substitute for Projection: NAD 1983 UTM Zone 10N 42°46'46.139"N site-specific investigations by qualified practitioners.

Glendale

JOSEPHINE COUNTY

Software: Esri® ArcMap 10, Adobe® Illustrator CC

Cartography by:Matt C. Williams, 2023