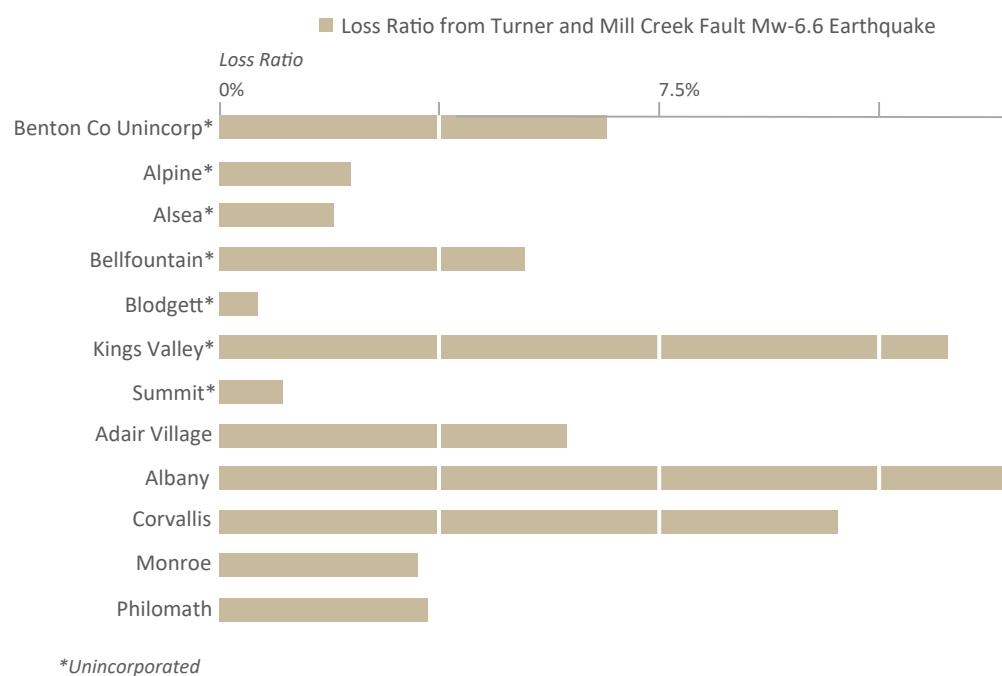




Turner and Mill Creek Fault Magnitude-6.6 Earthquake Shaking Map of Benton County, Oregon

Peak Ground Acceleration (PGA) is the maximum acceleration in a given location or rather how hard the ground is shaking during an earthquake. It is one measurement of ground motion, which is closely associated with the level of damage that occurs from an earthquake.

| Modified Mercalli | Perceived Shaking | Potential Damage | Peak Ground Acceleration (g) |
|-------------------|-------------------|------------------|------------------------------|
| I | Not felt | None | < 0.000464 |
| II | Weak | None | 0.000464 - 0.00297 |
| III | Weak | None | 0.000464 - 0.00297 |
| IV | Light | None | 0.00297 - 0.0276 |
| V | Moderate | Very Light | 0.0276 - 0.115 |
| VI | Strong | Light | 0.115 - 0.215 |
| VII | Very Strong | Moderate | 0.215 - 0.401 |
| VIII | Severe | Mod./Heavy | 0.401 - 0.747 |
| IX | Violent | Heavy | 0.747 - 1.39 |
| X | Extreme | Very Heavy | > 1.39 |



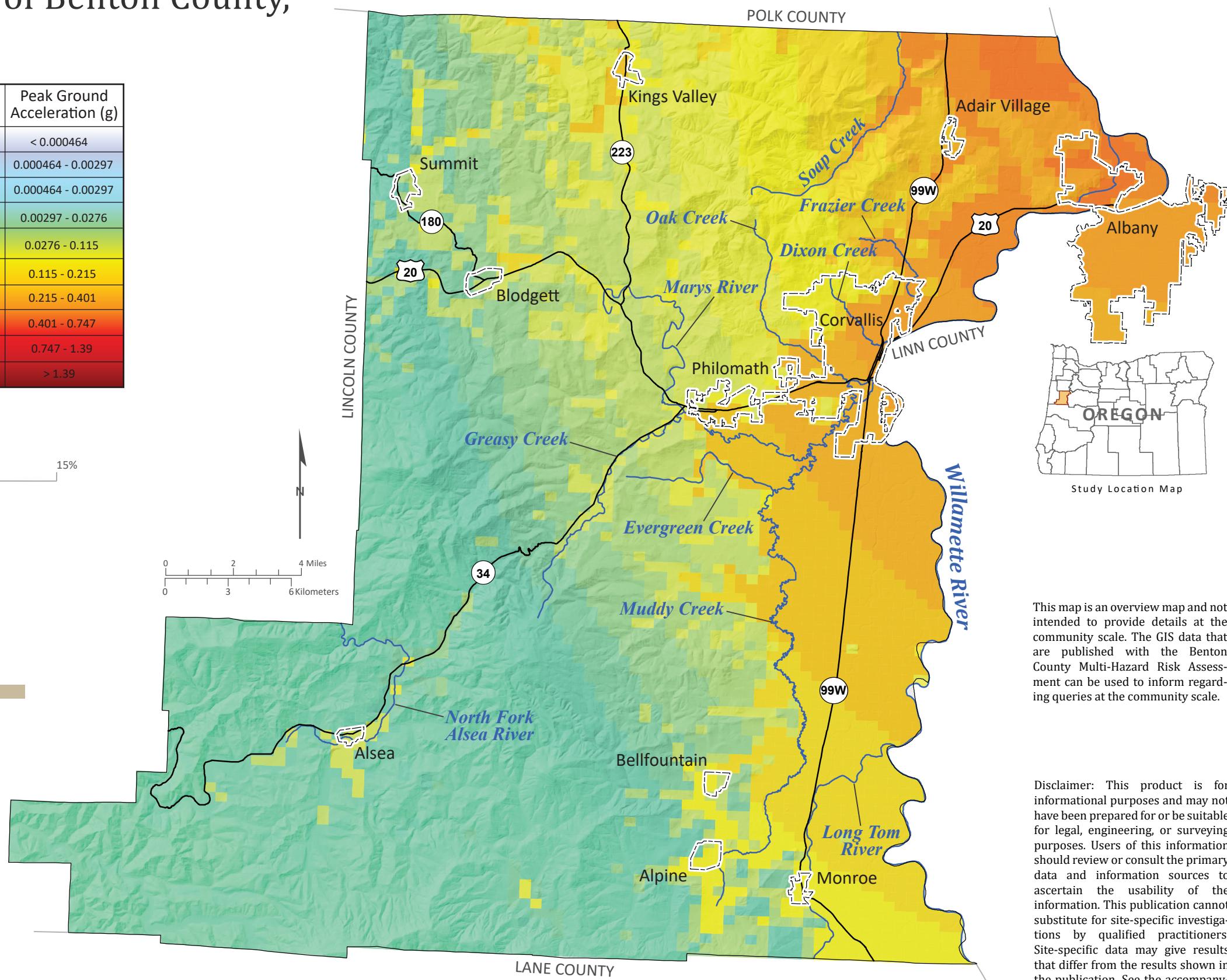
**Unincorporated*

Data Sources

Data sources:
Earthquake peak ground acceleration: Generated from Hazus 5.0 earthquake analysis (2022)
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, 2022

West Virginia Department of Geology and Mineral Industries Open-File Report O-23-06



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

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