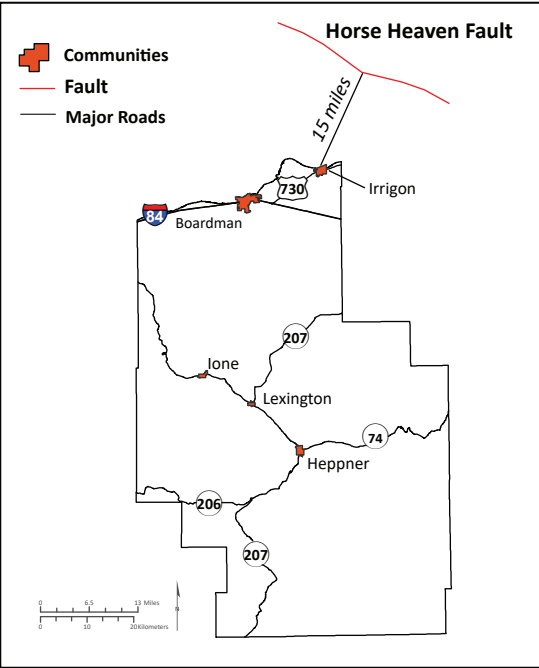
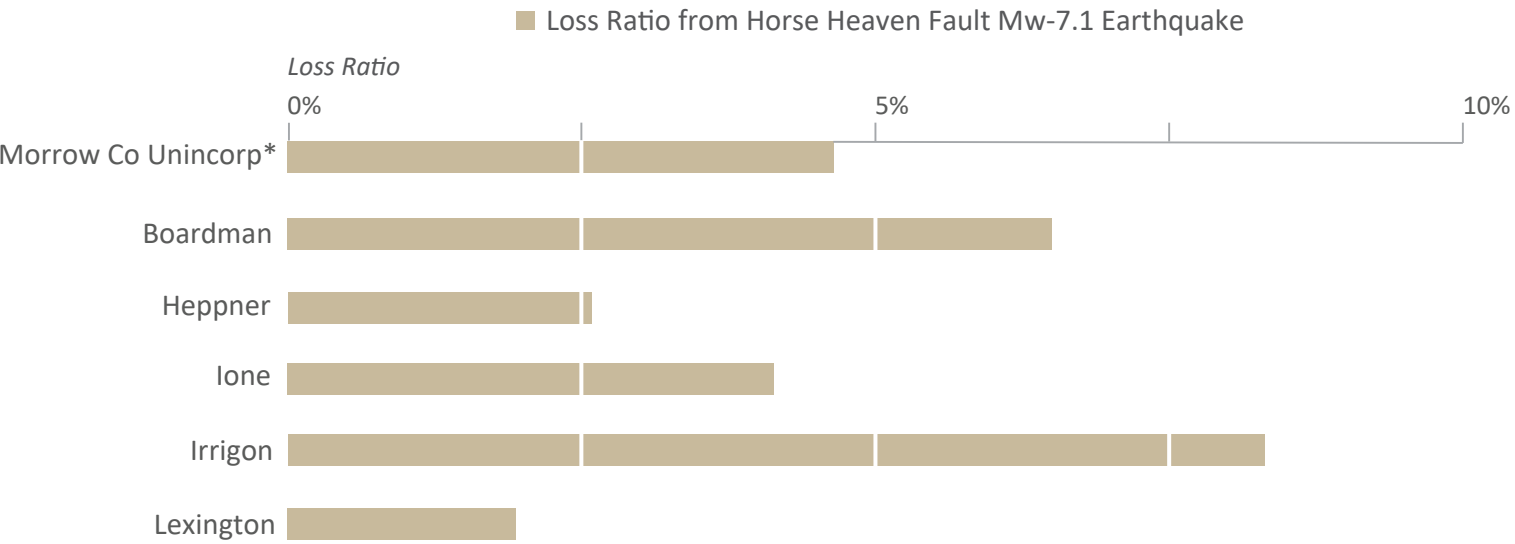




# Horse Heaven Fault Mw-7.1 Earthquake Shaking Map of Morrow County, Oregon

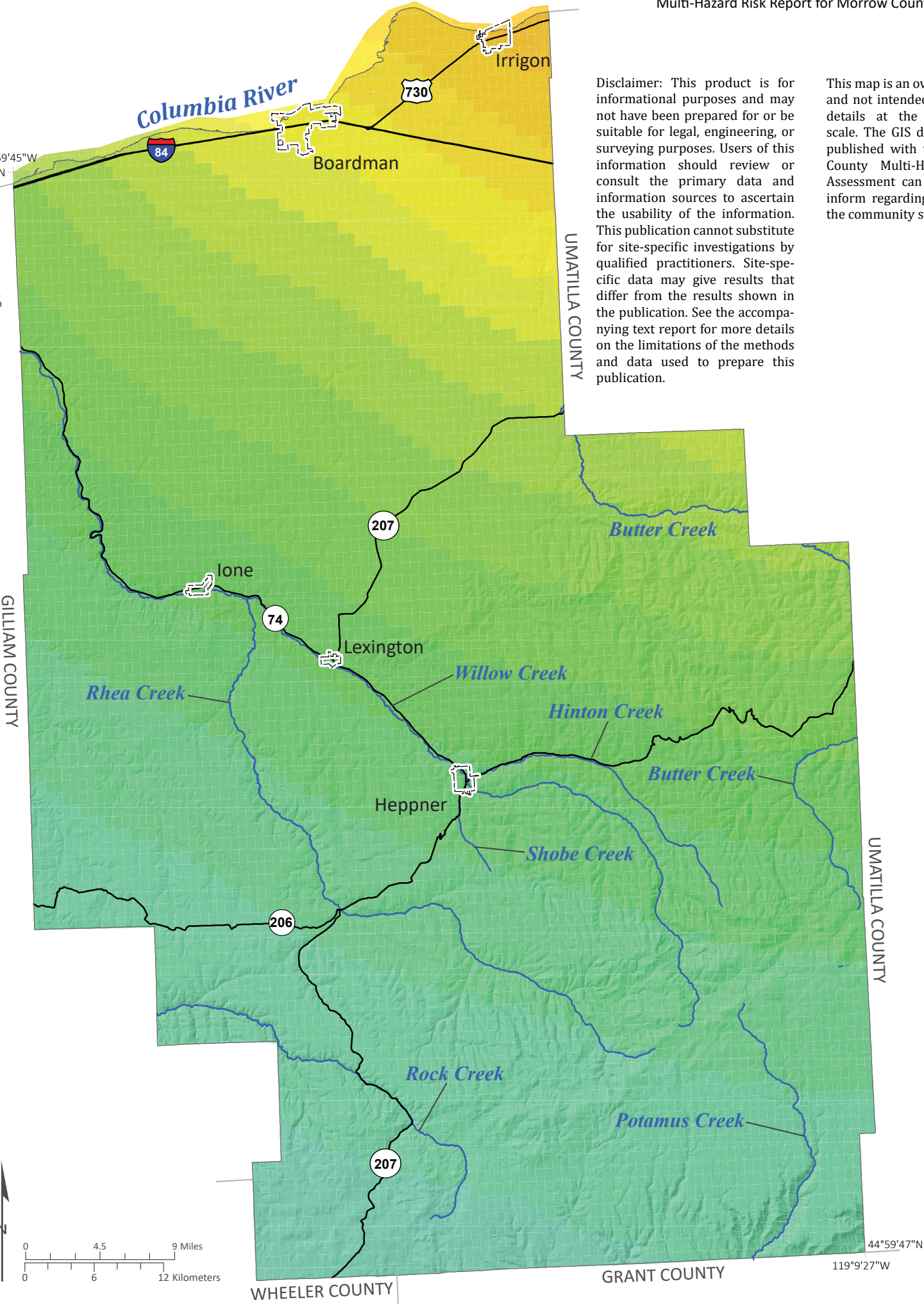
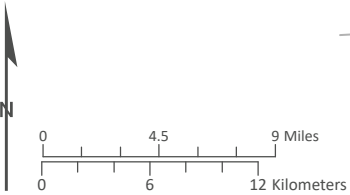


Peak Ground Acceleration (PGA) is the maximum acceleration in a given location or rather how hard the ground is shaking during an earthquake. It is one measurement of ground motion, which is closely associated with the level of damage that occurs from an earthquake.

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

**Data Sources:**  
Earthquake peak ground acceleration: Calculated within Hazus-MH 5.0 (2023)  
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



Disclaimer: This product is for informational purposes and may not have been prepared for or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information. This publication cannot substitute for site-specific investigations by qualified practitioners. 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.

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