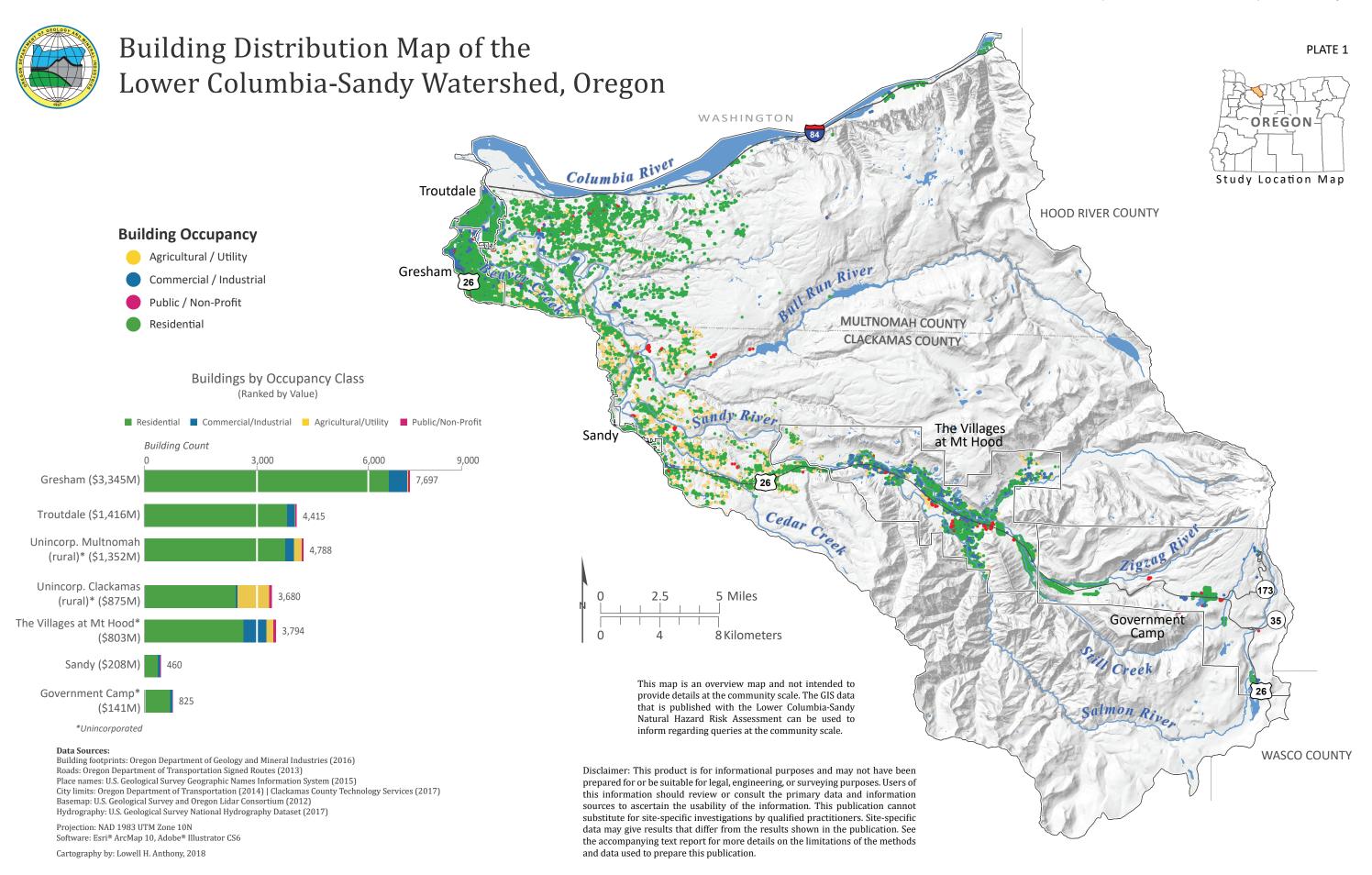
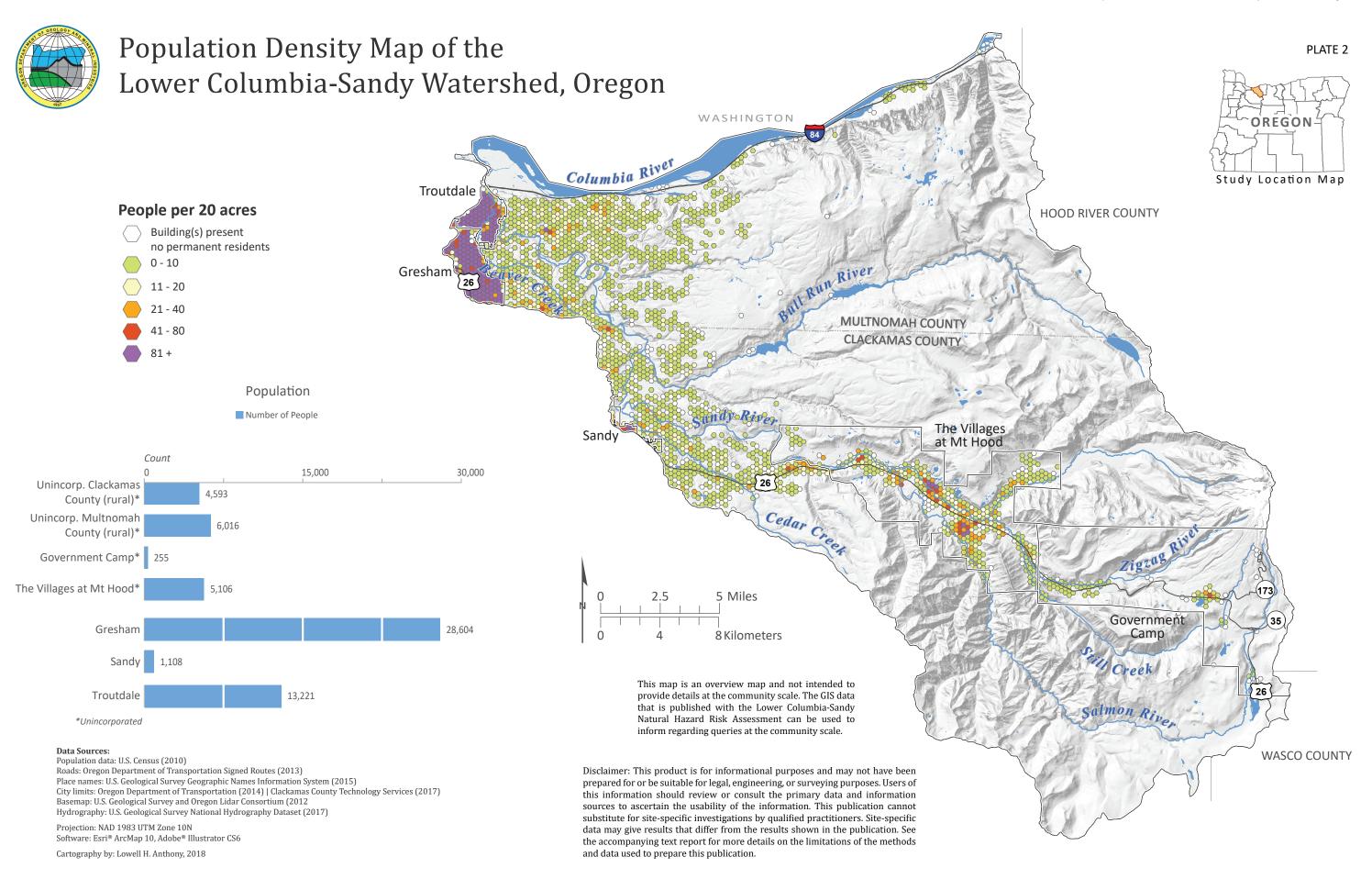
## **APPENDIX E. MAP PLATES**

## See appendix folder for individual map PDFs.

Plate 1.	Building Distribution Map of Lower Columbia–Sandy Watershed, Oregon	73
Plate 2.	Population Density Map of Lower Columbia–Sandy Watershed, Oregon	74
Plate 3.	Cascadia Subduction Zone (CSZ) M9.0 Peak Ground Acceleration Map of Lower Columbia–Sandy Watershed, Oregon	75
Plate 4.	Mount Hood Fault Zone (MHFZ) M6.9 Peak Ground Acceleration Map of Lower Columbia–Sandy Watershed, Oregon	76
Plate 5.	Flood Hazard Map of Lower Columbia–Sandy Watershed, Oregon	77
Plate 6.	Landslide Susceptibility Map of Lower Columbia–Sandy Watershed, Oregon	78
Plate 7.	Wildfire Risk Map of Lower Columbia–Sandy Watershed, Oregon	79
Plate 8.	Channel Migration Hazard Map of Lower Columbia–Sandy Watershed, Oregon	80
Plate 9.	Lahar Exposure Map of Lower Columbia—Sandy Watershed, Oregon	81







M9.0 CSZ Earthquake Shaking Map of the Lower Columbia-Sandy Watershed, Oregon

Troutdale

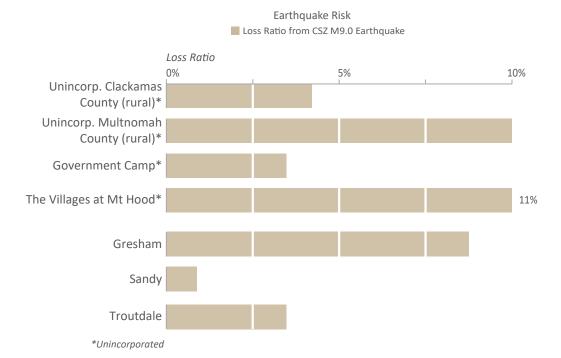
Gresham<sup>1</sup>

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.

# Earthquake Peak Ground Acceleration

(Modified Mercalli Intensity Scale) Moderate Severe





#### Data Sources

Earthquake peak ground acceleration: Madin and Burns (2013)
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) | Clackamas County Technology Services (2017)

City limits: Oregon Department of Transportation (2014) | Clackamas County Technology Services (20 Basemap: U.S. Geological Survey and Oregon Lidar Consortium (2012)

Hydrography: U.S. Geological Survey National Hydrography Dataset (2017)

Projection: NAD 1983 UTM Zone 10N Software: Esri® ArcMap 10, Adobe® Illustrator CS6

Cartography by: Lowell H. Anthony, 2018

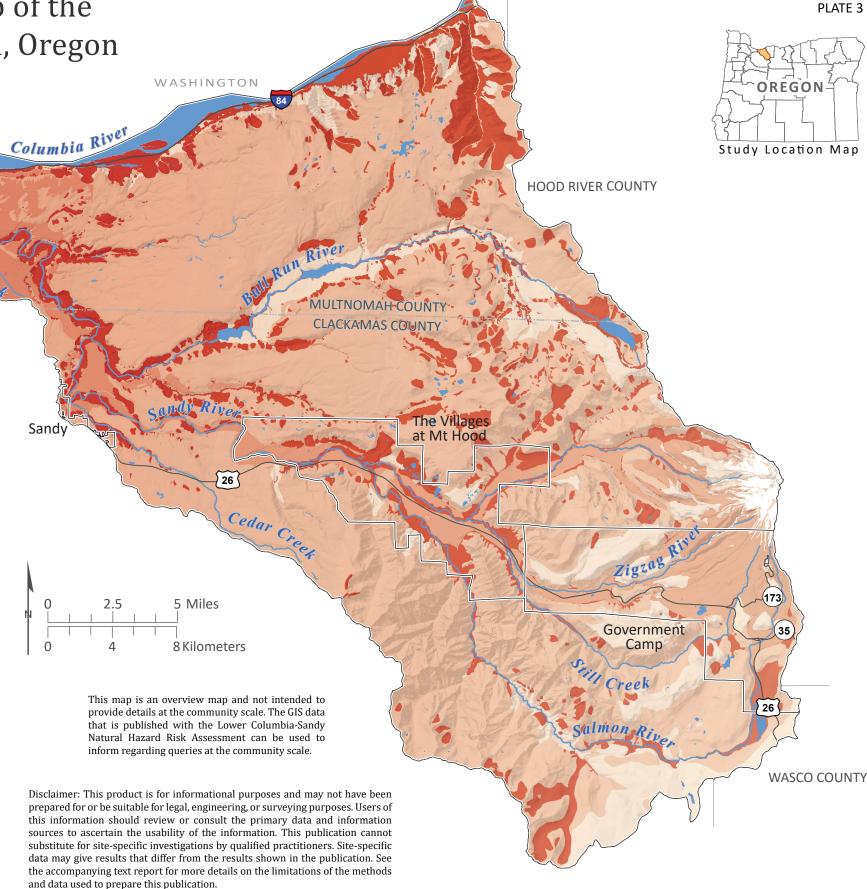


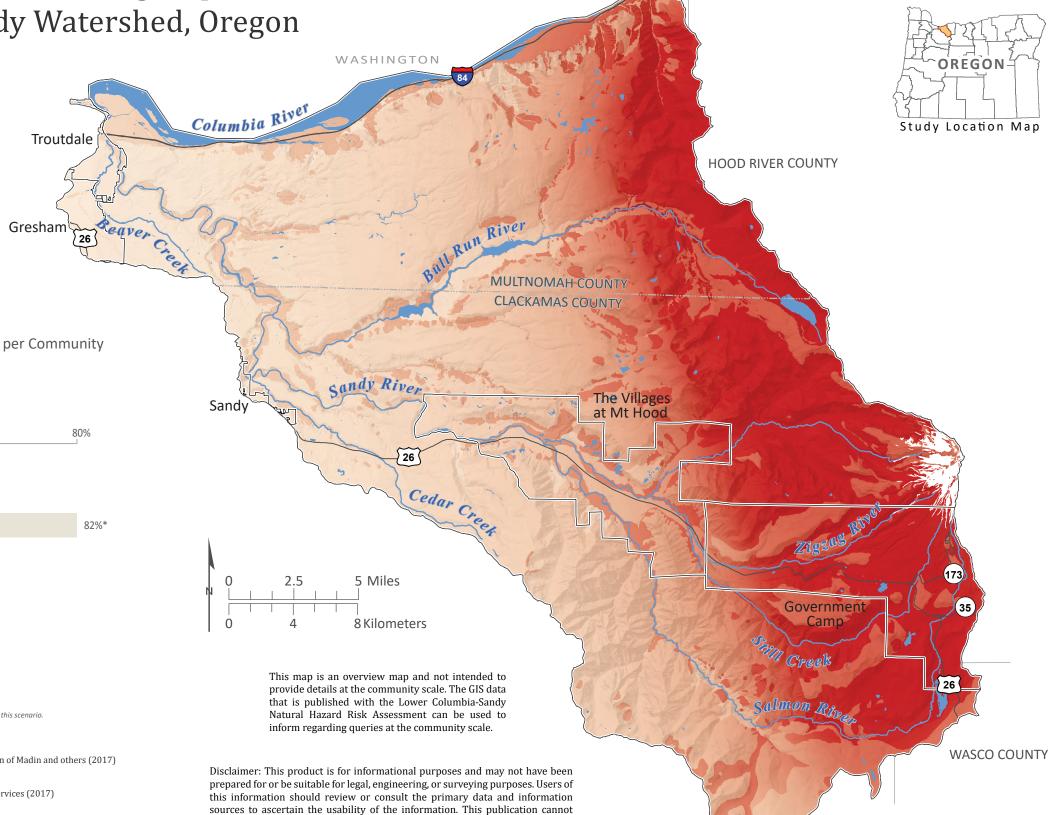
PLATE 4



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.

# Earthquake Peak Ground Acceleration

(Modified Mercalli Intensity Scale) Moderate Severe



substitute for site-specific investigations by qualified practitioners. Site-specific

data may give results that differ from the results shown in the publication. See

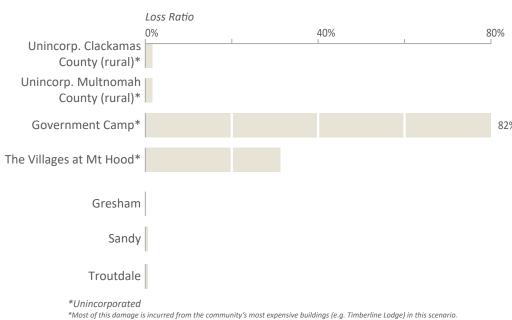
the accompanying text report for more details on the limitations of the methods

and data used to prepare this publication.

### Total Building Value Loss Ratio from M9.0 Earthquake per Community

### Earthquake Risk

Loss Ratio from MHFZ M6.9 Earthquake



#### Data Sources

Earthquake peak ground acceleration: Oregon Department of Geology, HAZUS Interpretation of Madin and others (2017) Roads: Oregon Department of Transportation Signed Routes (2013)

Place names: U.S. Geological Survey Geographic Names Information System (2015)

The percentage of red and yellow tagged buildings for Government Camp is near 40%

City limits: Oregon Department of Transportation (2014) | Clackamas County Technology Services (2017)

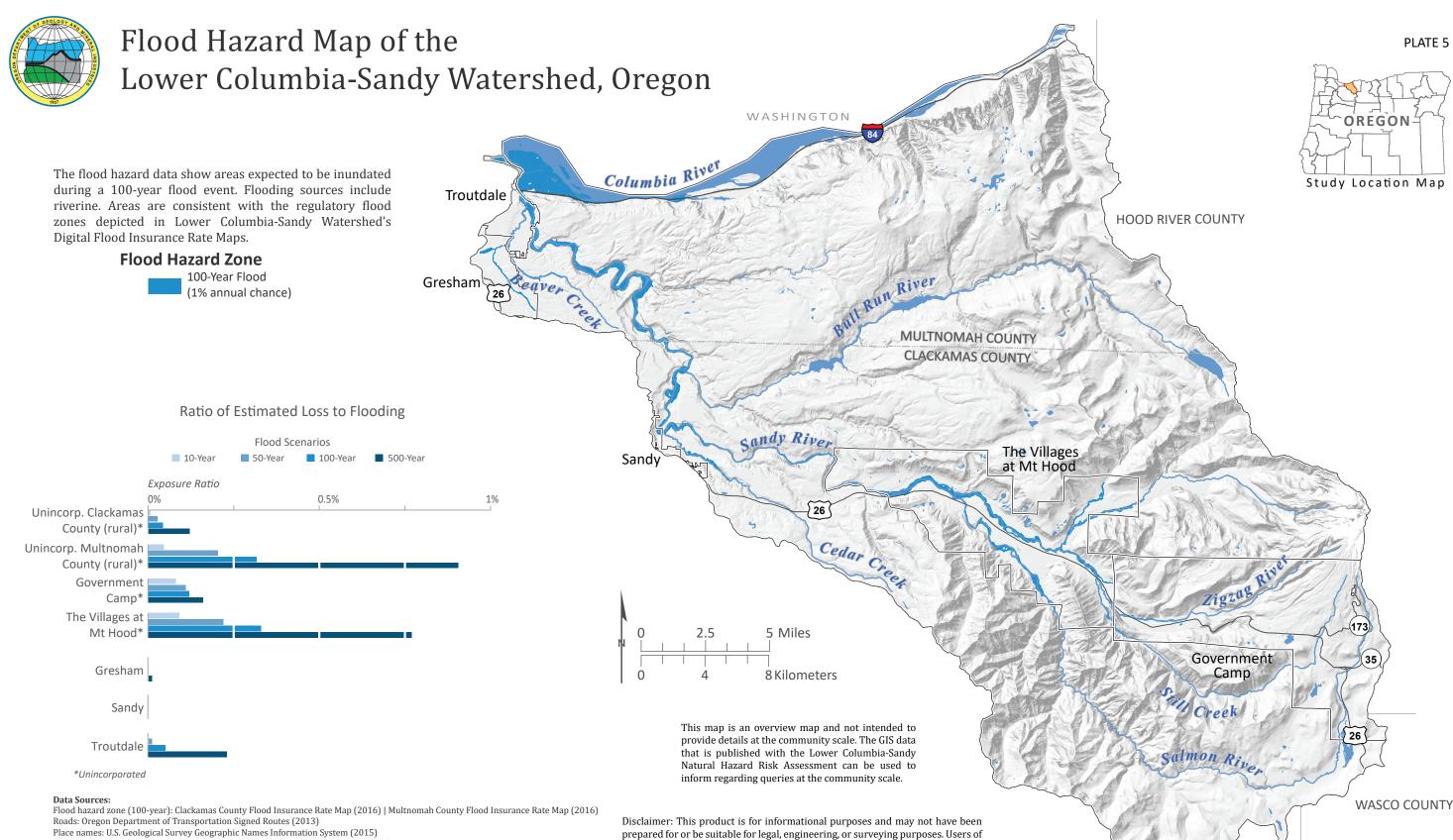
Basemap: U.S. Geological Survey and Oregon Lidar Consortium (2012)

Hydrography: U.S. Geological Survey National Hydrography Dataset (2017)

Projection: NAD 1983 UTM Zone 10N

Software: Esri® ArcMap 10, Adobe® Illustrator CS6

Cartography by: Lowell H. Anthony, 2018



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

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Place names: U.S. Geological Survey Geographic Names Information System (2015)

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