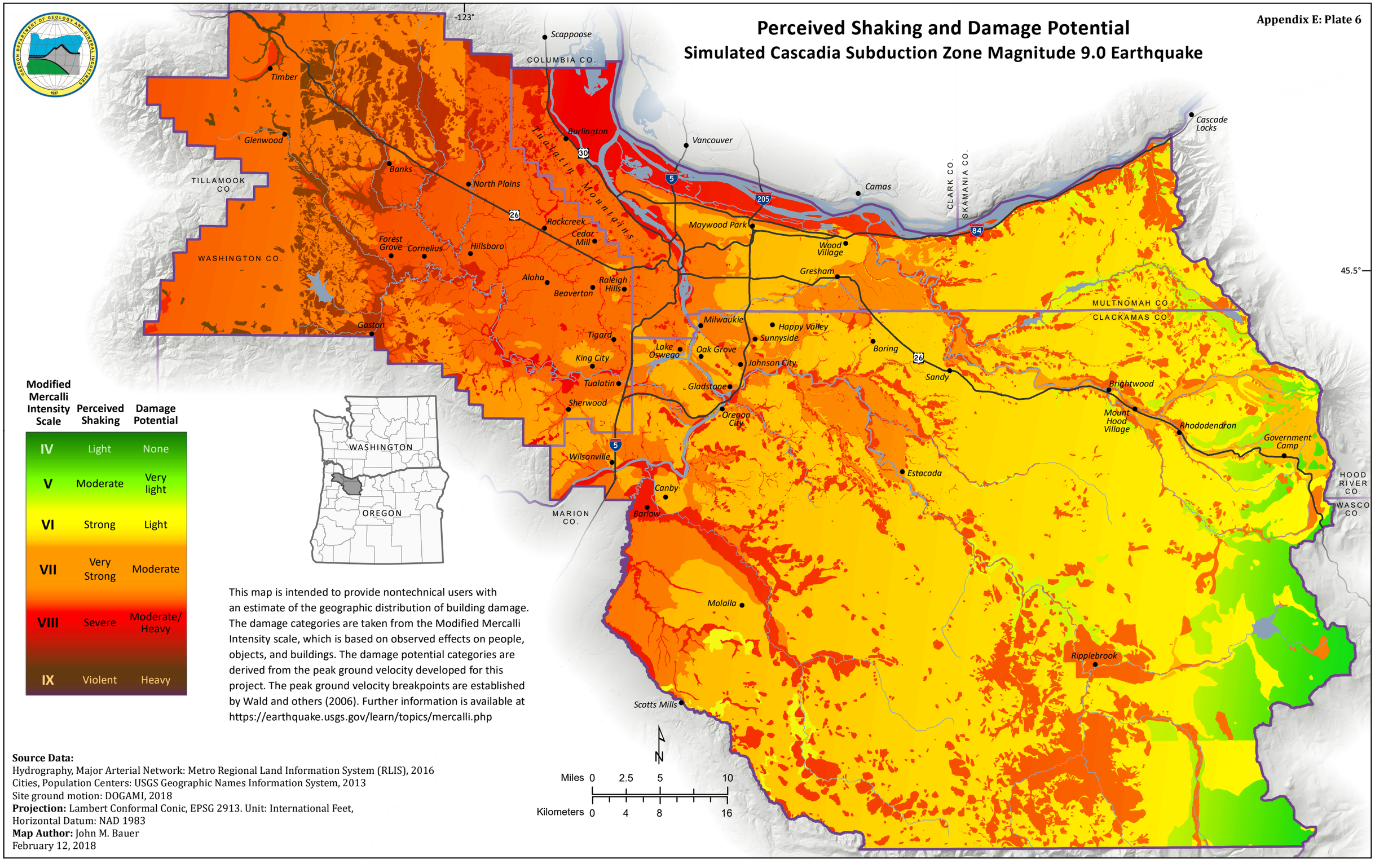
Appendix E: Plate 6

Perceived Shaking and Damage Potential

Simulated Cascadia Subduction Zone Magnitude 9.0 Earthquake



Modified Mercalli Intensity Scale	Perceived Shaking	Damage Potential
IV	Light	None
V	Moderate	Very light
VI	Strong	Light
VII	Very Strong	Moderate
VIII	Severe	Moderate/ Heavy
IX	Violent	Heavy

This map is intended to provide nontechnical users with an estimate of the geographic distribution of building damage. The damage categories are taken from the Modified Mercalli Intensity scale, which is based on observed effects on people, objects, and buildings. The damage potential categories are derived from the peak ground velocity developed for this project. The peak ground velocity breakpoints are established by Wald and others (2006). Further information is available at https://earthquake.usgs.gov/learn/topics/mercalli.php

Source Data:
Hydrography, Major Arterial Network: Metro Regional Land Information System (RLIS), 2016
Cities, Population Centers: USGS Geographic Names Information System, 2013
Site ground motion: DOGAMI, 2018
Projection: Lambert Conformal Conic, EPSG 2913. Unit: International Feet,
Horizontal Datum: NAD 1983
Map Author: John M. Bauer
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