STATE OF OREGON
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Relative Earthquake Hazard Map of the Salem East and Salem West Quadrangles, Marion and Polk Counties, Oregon

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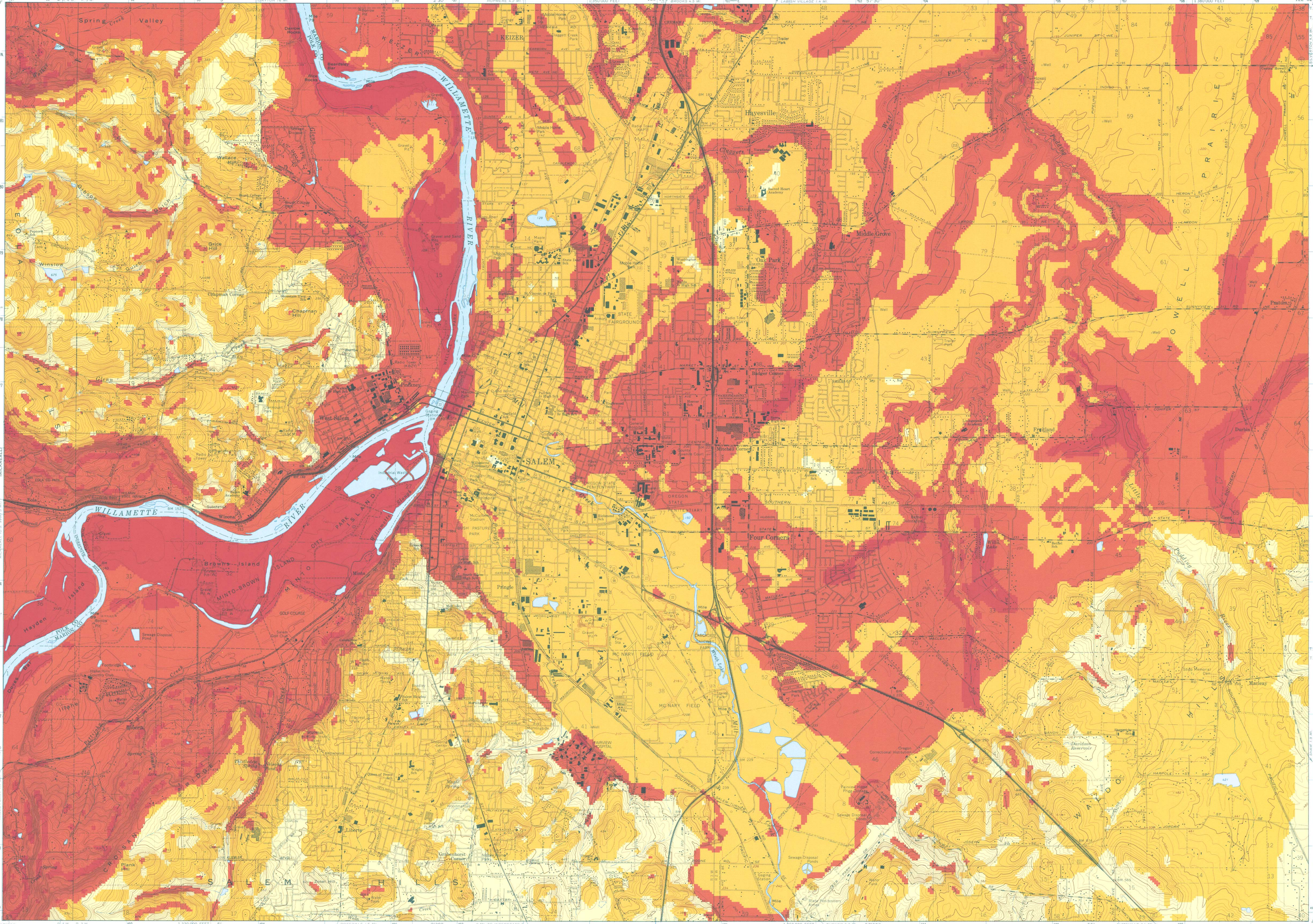
Plate 4



Explanation

Zone A		Highest hazard
Zone B		Intermediate to high hazard
Zone C		Low to intermediate hazard
Zone D		Lowest hazard

This relative earthquake hazard map depicts four zones of greater or lesser earthquake hazard, relative to one another. Refer to the companion text, which explains details of the earthquake hazards associated with this map and their differentiation. Areas within the highest earthquake hazard zone (A) are likely to suffer the most intense damage related to ground response; those in the lowest (D) are likely to suffer the least.

Three earthquake hazards that are associated with local geology (liquefaction, amplification, and landsliding) were individually evaluated and then combined to develop the relative earthquake hazard map. Individual hazard assessments are shown on the companion maps (Plates 1-3).

This composite map allows technical and nontechnical users to gain an understanding of earthquake hazards, so that steps can be taken to reduce the risk to life and property through planning policy and other mitigation measures. User groups include but are not limited to local jurisdictions, building officials, land use planners, emergency preparedness and response planners, engineering and geology consultants, lifeline managers, developers, realtors, insurers, and private citizens.

This map was developed to serve as a regional planning tool and does not have site-specific accuracy. All areas shown on the map are susceptible to earthquake shaking, regardless of the assigned hazard zone.

Please note:
Information provided in this publication should NOT be used in place of site-specific studies. The relative hazard zones are not intended to replace site-specific evaluations, such as for engineering analysis and design. Site-specific earthquake hazards should be assessed through geotechnical or engineering geology investigation by qualified practitioners.

Base map by U.S. Geological Survey
Control by USGS, USC&GS, and State of Oregon
Polyconic projection. 1927 North American datum
10,000-foot grid based on Oregon coordinate system, north zone
1000-meter Universal Transverse Mercator grid ticks, zone 10, shown in blue

NORTH

SCALE 1:24 000

CONTOUR INTERVAL 10 FEET

OREGON
QUADRANGLE LOCATION

Earthquake hazard analysis by Yumei Wang and William J. Leonard, Oregon Department of Geology and Mineral Industries

Cartography by Paul E. Staub

The geologic hazard information on this map is available in digital formats