STATE OF OREGON
DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
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Relative Earthquake Hazard Map of the Klamath Falls Metropolitan Area, Klamath County, Oregon

2000

IMS - 19

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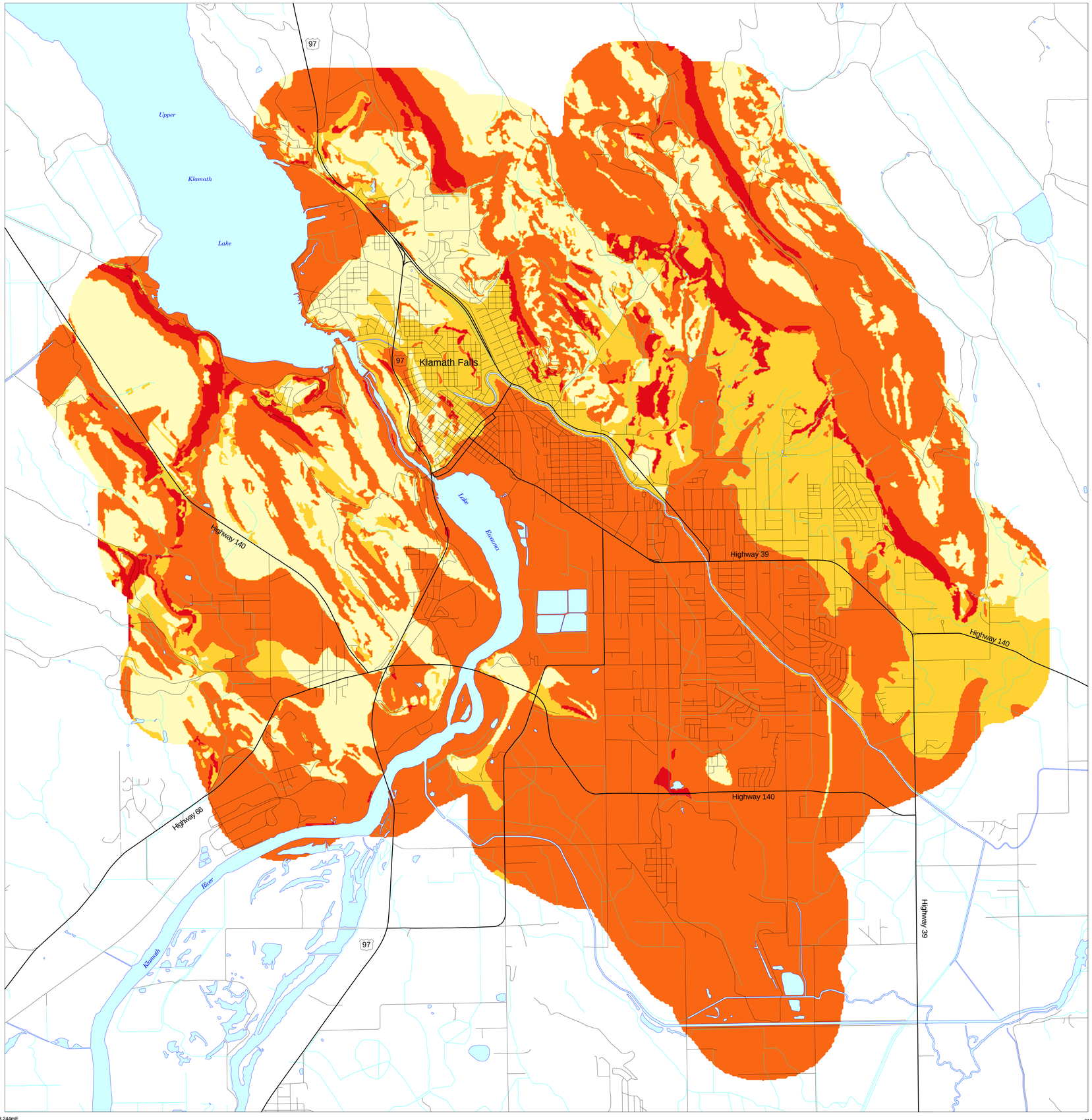
Oregon Department of Geology and Mineral Industries

593,244mE
4,682,104mN

610,349mE
4,682,104mN



593,244mE
4,664,589mN

Scale = 1:24,000

610,349mE
4,664,589mN

Base map from modified U.S. Geological Survey digital line graphs (DLG) of the Wocus, Whiteline Reservoir, Altamont, and Klamath Falls quadrangles

Universal Transverse Mercator, zone 10, NAD 27

Relative Earthquake Hazard

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

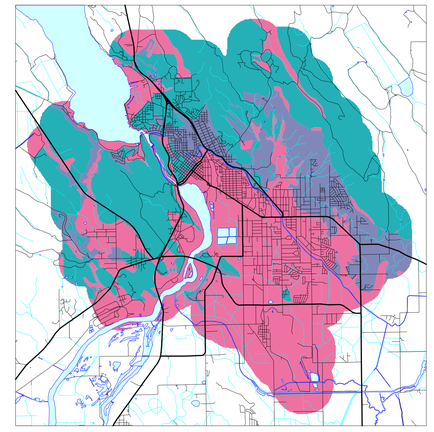
Hazard zones are based on the combined effects of ground shaking amplification, liquefaction, and earthquake-induced landsliding.
See the accompanying text for an explanation of how these zones were defined and what the various levels of hazards mean.

This map is available from:

The Nature of the Northwest Information Center
800 NE Oregon Street #5
Portland, OR 97232
503/872-2750 www.naturenw.org
and the Baker City and Grants Pass, Oregon field offices
of the Oregon Department of Geology and Mineral Industries

Relative Amplification Hazard

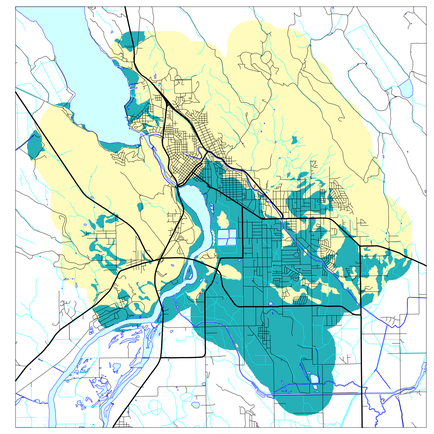
1 - Low hazard, Amplification <=1
2 - Moderate hazard, Amplification = 1.5
3 - High hazard, Amplification = 1.8



Scale = 1:96,000

Relative Liquefaction Hazard

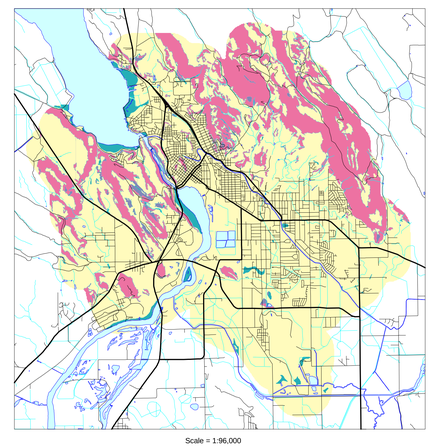
1 - No hazard
2 - Low hazard



Scale = 1:96,000

Slope Instability Hazard

1 - No hazard
2 - Low hazard
3 - Moderate hazard
4 - High hazard



Scale = 1:96,000

IMPORTANT NOTICE
This map depicts earthquake hazard zones that are based on limited geologic and geophysical data, as described in the text. The map is not a substitute for site-specific investigations by qualified practitioners. At any point in the map area, site-specific data may give results that differ from those shown on the map. Some appropriate uses for the map are discussed in the text. For a complete understanding of the earthquake hazard, consultation of the following Department publication is also recommended: Madin, I.P., and Mabey, M.A., 1996, Earthquake hazard maps for Oregon: Oregon Department of Geology and Mineral Industries Geological Map Series GMS-100.