Improving Road

Map Explanation

The map was generated using hydrodynamic tsunami modeling by Joseph Witter, R.C., Zhang, Y., Wang, K., Priest, G.R., Goldfinger, C., Stimely, L.L., and others (2011). It shows the potential tsunami inundation areas for the Leneve, Oregon region.

Methods

The map was created using a combination of GIS software and hydrodynamic modeling techniques. The model takes into account the bathymetry, topography, and the source characteristics of the tsunami event.

Data Sources

The base map data were obtained from the Oregon Department of Geology and Mineral Industries (DOGAMI) and the Oregon Department of Land Conservation and Development (DLCD). The tsunami source data were obtained from the National Geophysical Data Center / World Data Center (NGDC/WDC).

References


This map is designed to help cities, counties, and other sites in coastal Oregon manage tsunami risks. It provides information on potential tsunami inundation areas and can be used to inform emergency planning and coastal management decisions.

Acknowledgments

Rachel R. Lyles Smith, Project Operations Manager

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The Oregon Department of Geology and Mineral Industries (DOGAMI) manages the National Tsunami Hazard Mitigation Program (NTHMP) in Oregon, which includes the development of tsunami inundation maps and other risk assessment tools.

For copies of this publication contact:

For questions regarding the tsunami hazard maps, contact OR-DOGAMI Special Paper 43 at 503-672-4431.

Map Date

Map Date: 09/10/2012

Basemap Data

Oregon Statewide Lambert Conformal Conic, 2010 Oregon

Software

Adobe Illustrator®

Data References

DOGAMI manages the National Tsunami Hazard Mitigation Program (NTHMP) in Oregon. The tsunami hazard maps and other related documents are available on the DOGAMI website: www.oregon.gov/DOGAMI. The maps were produced using a combination of GIS software and hydrodynamic modeling techniques. The base map data were obtained from the Oregon Department of Geology and Mineral Industries (DOGAMI) and the Oregon Department of Land Conservation and Development (DLCD). The tsunami source data were obtained from the National Geophysical Data Center / World Data Center (NGDC/WDC). The Oregon Department of Geology and Mineral Industries (DOGAMI) manages the National Tsunami Hazard Mitigation Program (NTHMP) in Oregon, which includes the development of tsunami inundation maps and other risk assessment tools. For copies of this publication contact: For questions regarding the tsunami hazard maps, contact OR-DOGAMI Special Paper 43 at 503-672-4431.