Distant Source (Alaska-Aleutian Subduction Zone) Tsunami Inundation Map
Youngs River South, Oregon

Introduction

The tsunami inundation maps for Youngs River South, Oregon, were generated by the Oregon Department of Geology and Mineral Industries (DOGAMI) using hydrodynamic tsunami modeling. These maps are based on the assumption of a distant earthquake source, primarily investigating water bodies and potential tsunami inundation zones. The maps were developed with the support of the National Tsunami Hazard Mitigation Program.

Map Explanation

The tsunami inundation maps for Youngs River South, Oregon, were generated by DOGAMI using hydrodynamic tsunami modeling. The maps are based on the assumption of a distant earthquake source in the Alaska-Aleutian Subduction Zone, primarily investigating water bodies and potential tsunami inundation zones.

Data References

This map was funded under award LDQ-2011-46123-A6-Green Mountain and LDQ-2011-46123-A6-Lincoln County.

This map was prepared by DOGAMI using tsunami inundation zones from the National Tsunami Hazard Mitigation Program.

Acknowledgments

The authors acknowledge the following institutions and individuals for their support and contributions to the creation of this map:

- Oregon Department of Geology and Mineral Industries (DOGAMI), Portland, Oregon
- John Cleary, Portland, Oregon
- Model data input were created by John Cleary, Portland, Oregon.
- This map is based on hydrodynamic tsunami modeling by Don W.T. Lewis, Rachel L. Smith, and Kaleena L.B. Hughes, Sean G. Pickner.
- The Fugro Oregon and Seaside, Oregon tsunami pilot study — modernization of the All-Clear tsunami evacuation procedures
- This map was prepared by DOGAMI using tsunami inundation zones from the National Tsunami Hazard Mitigation Program.

Map Production

Publication: DOGAMI Special Paper 43 (Witter and others, 2011)

Legend:

- Water Bodies
- Inundation Zones
- Urban Growth Boundary
- Municipal Limit
- Contour
- Elevation Contour