

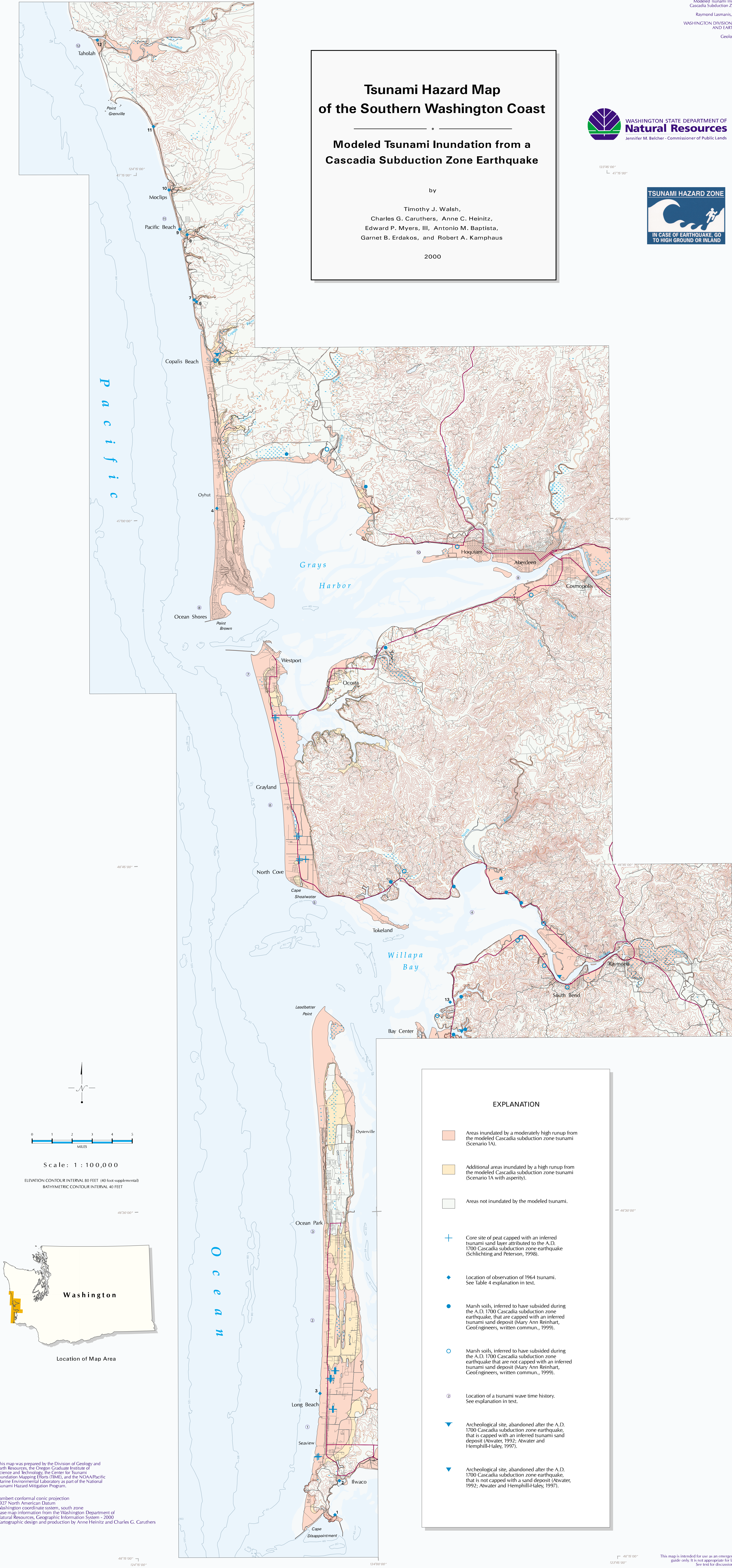
# Tsunami Hazard Map of the Southern Washington Coast

## Modeled Tsunami Inundation from a Cascadia Subduction Zone Earthquake

by

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2000



### EXPLANATION

- Areas inundated by a moderately high runup from the modeled Cascadia subduction zone tsunami (Scenario 1A).
- Additional areas inundated by a high runup from the modeled Cascadia subduction zone tsunami (Scenario 1A with asperity).
- Areas not inundated by the modeled tsunami.
- Core site of peat capped with an inferred tsunami sand layer attributed to the A.D. 1700 Cascadia subduction zone earthquake (Schlichting and Peterson, 1998).
- Location of observation of 1964 tsunami. See Table 4 explanation in text.
- Marsh soils, inferred to have subsided during the A.D. 1700 Cascadia subduction zone earthquake, that are capped with an inferred tsunami sand deposit (Mary Ann Reinhart, Geologists, written commun., 1999).
- Marsh soils, inferred to have subsided during the A.D. 1700 Cascadia subduction zone earthquake that are not capped with an inferred tsunami sand deposit (Mary Ann Reinhart, Geologists, written commun., 1999).
- Location of a tsunami wave time history. See explanation in text.
- Archeological site, abandoned after the A.D. 1700 Cascadia subduction zone earthquake, that is capped with an inferred tsunami sand deposit (Atwater, 1992; Atwater and Hemphill-Haley, 1997).
- Archeological site, abandoned after the A.D. 1700 Cascadia subduction zone earthquake, that is not capped with a sand deposit (Atwater, 1992; Atwater and Hemphill-Haley, 1997).

This map was prepared by the Division of Geology and Earth Resources, the Oregon Graduate Institute of Science and Technology, the Center for Tsunami Inundation Mapping Efforts (TIME), and the NOAA/Pacific Marine Environmental Laboratory as part of the National Tsunami Hazard Mitigation Program.

Lambert conformal conic projection  
1927 North American Datum  
Washington coordinate system, south zone  
Base map information from the Washington Department of Natural Resources, Geographic Information System - 2000  
Cartographic design and production by Anne Heinitz and Charles G. Caruthers