



Oregon

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Tsunami Regulatory Line of Oregon

- Early 1990's – Realization that the Cascadia Subduction Zone (CSZ) was capable of producing great earthquakes ($> M_w$ 8.8) and catastrophic tsunamis.
- 1995 – Passage of SB 379 limited construction of certain essential facilities, hazardous facilities, major structures and special occupancy structures in the tsunami inundation zone.
- 2013 – A DOGAMI advisory committee was established to evaluate possible changes to the SB 379 regulatory line based on recently completed statewide modeling scenarios. No change was made to the SB 379 Regulatory Tsunami Line.
- 2019 – DOGAMI Governing Board formally requested the Governor's Office convene and lead a multi-agency workgroup to recommend updates to the statutory requirements of SB379. The Tsunami Line Workgroup is anticipated to:
 - Evaluate:
 1. Roles and responsibilities among state agencies;
 2. Recent national tsunami research and mitigation design developments; and
 3. Impact of the regulatory framework on local communities.
 - Recommend updates to statutory requirements (ORS 455.446 and 455.447); and
 - Propose a legislative approach and timeline for any recommended statutory changes.
- The DOGAMI Board recognizes the economic implications of planning and preparing for a potentially devastating future tsunami must be balanced with present-day community needs.

Tsunami Inundation Mapping

- 1995-1997 – DOGAMI published tsunami inundation maps for the Oregon Coast in response to SB 379. This regulatory line has not moved and remains in effect today.
- 1997-2004 – DOGAMI conducted additional detailed, community-specific mapping.
- 2009-2013 – Better understanding of the CSZ geophysics, a better topography and bathymetry and more refined numerical modeling led to 5 local (SM1, M1, L1, XL1, XXL1) events used for tsunami evacuation planning. Again, the SB 379 Tsunami Regulatory Line remains unchanged.
- 2014 – DOGAMI released a digital GIS version of the SB 379 regulatory line.