For these reasons the hypothetical "Alaska Maximum" scenario is directed toward the Oregon coast than other Alaskan source locations. This model uses tsunami originating near the Gulf of Alaska. The first scenario attempts to model wave heights reached 10 to 11.5 feet in the Nehalem River, 10 to 11.5 feet along the ocean front as one might expect, but in the estuary channels and sea walls. The greatest tsunami damage in Oregon did not occur hard by the tsunami, which killed four people and caused an estimated $100 million in damage in coastal areas of Oregon. In addition to the offshore Japan in March 2011.

In Oregon, DOGAMI manages the National Tsunami Hazard Program for the state. DOGAMI modeled two distant tsunami scenarios for cities and unincorporated portions of the state. These profiles depict the expected maximum tsunami wave elevation for the two Alaska tsunami scenarios along lines A-A' and B-B'. The tsunami scenarios are modeled to occur at a static (no flow) tide and equal to the Mean Higher High Water (MHHW).

Map Explanation
- The map shows the coastal areas of Oregon and the Pacific Ocean.
- The map includes symbols for coastal structures, roads, and water bodies.
- The map indicates the tsunami inundation zones.

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Source Data
- United States Geological Survey
- National Geophysical Data Center/WDC Global Historical Tsunami Database
- Oregon Department of Geology and Mineral Industries
- National Oceanic and Atmospheric Administration (NOAA)

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Map Scale: 1:50,000