Coos Bay (Witter and others, 2011). Florence, 11 feet at Reedsport, 11 feet at Brookings, and 14 feet at channels located further inland. Of the communities affected, Seaside water that creates a tsunami. When these events occur around the earthquake rupture. This rupture causes a vertical displacement of

Introduction

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

Map Explanations

The table and chart show the number of buildings inundated for the Alaska M9.2 (1964) and the Alaska Maximum. All tsunami simulations were run assuming damage in British Columbia, Hawaii, and along the west coast of the United States, and was recorded on tide gauges in Cuba and Puerto Rico.

<table>
<thead>
<tr>
<th>Location</th>
<th>Buildings Inundated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Seaside, Oregon</td>
<td>500</td>
</tr>
<tr>
<td>Bandon, Oregon</td>
<td>100</td>
</tr>
<tr>
<td>Coos Bay, Oregon</td>
<td>200</td>
</tr>
</tbody>
</table>

This tsunami inundation map displays the output of computer models, which equates to the amount of error in the model when determining contour lines that form the extent of inundation. The transition area each point is wet or dry. These points are converted to wet and dry in property loss, $84 million and 106 in.

Time Series Graphs and Wave Elevation Profiles

This chart depicts the tsunami waves as they arrive at the selected reference point (simulated gauge station). It shows the change in wave heights for the two Alaska tsunami scenarios over an 8-hour period. Wave heights vary through time, and the first wave will not necessarily be the largest as waves

Plate 2

Tsunami Inundation Map Coos-07

Legend

- Alaska M9.2 Wet/Dry Zone
- Alaska M9.2 Uniform slip on 12 subfaults with ~9.2
- Alaska Maximum Wet/Dry Zone
- Alaska Maximum Uniform slip on 12 subfaults with ~9.2

Data References

- English, J. T., and George R. Priest, Department of Geology and Mineral Industries, Portland, Oregon. Model data input were created by John dated 07/19/2012.
- Map Data Creation/Development
- Software
- Basemap Data
- Map Date

Plate 1

Tsunami Inundation Map Coos-07

Legend

- Alaska M9.2 Wet/Dry Zone
- Alaska M9.2 Uniform slip on 12 subfaults with ~9.2
- Alaska Maximum Wet/Dry Zone
- Alaska Maximum Uniform slip on 12 subfaults with ~9.2

Data References

- English, J. T., and George R. Priest, Department of Geology and Mineral Industries, Portland, Oregon. Model data input were created by John dated 07/19/2012.