For these reasons the hypothetical "Alaska Maximum" scenario is directed toward the Oregon coast than other Alaskan source locations.

nearly twice as large as in the 1964 earthquake. The selected source 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 in Oregon tide gauges since 1854. The most severe was generated by the tsunami devastated many towns caused 125 deaths and $311 million hours, around the Pacific Rim from subduction can trigger tsunamis.

Earthquake and resulting tsunami scenarios involving M9.2 earthquakes at Reedsport, 11 feet at Brookings, and 14 feet at Coos Bay (Witter and wave heights reached 10 to 11.5 feet in the Nehalem River, 10 to 11.5 feet.

One type of movement is called and sliding underneath other plates creating subduction zones that make up continental plates. One type of movement is called Andree V. Pollock, Assistant Director, Geologic Survey and Services www.OregonGeology.org

DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES STATE OF OREGON

Tsunami Inundation Scenarios

Map Data Creation/Development

Tsunami Inundation Maps for Arch Cape - Falcon Cove, Oregon

Map Date

Data Sources

Software

Table: Buildings within Tsunami Inundation Zones

Legend

Map Explorations

Tsunami Inundation Map Clat-10

Map References

Nat reference point (simulated gauge station). It shows the change in wave heights for a 6-hour period for the Alaska M9.2 (1964) and the Alaska Maximum. All tsunami simulations were run assuming vertical seafloor deformation created by DOGAMI. Senate Bill 379 line data were redigitized by Rachel

Hydrology data, contours, critical facilities, and building footprints were input were created by John T. English and George R. Priest, Department

...inundation given a maximum source area of expected tsunami inundation based on scientific evidence and...