The sizes of the earthquake and its resultant tsunami scenarios, the computer model produces time series data for wave height observed. It is especially noteworthy that the greatest wave height is present in coastal areas reduce the potential for disastrous tsunami-related impacts. The computer model is especially valuable for understanding the tsunami inundation within the map area. The cumulative number of buildings inundated within the map area.

Map Explanation

The computer model calculates the inundation extent and produces time series data for wave height observed. It is especially noteworthy that the greatest wave height is present in coastal areas reduce the potential for disastrous tsunami-related impacts. The computer model is especially valuable for understanding the tsunami inundation within the map area. The cumulative number of buildings inundated within the map area.

Map Sources

The tsunami inundation map displays the output of computer models that simulate the potential impact of tsunamis generated by local seismic events. The models take into account the topography of the coastal area, the bathymetry of the ocean floor, and the characteristics of the earthquake source.

Map Limitations

The tsunami inundation map is a first-order approximation of the potential impact of tsunamis generated by local seismic events. It is designed to provide a general indication of the areas most likely to be affected by a tsunami, but it does not account for all possible variables such as local geology, bathymetry, and coastal topography.

Tsunami Inundation Maps for Astoria, Oregon

Tsunami inundation maps for Astoria, Oregon, were developed using federal funding awarded by NOAA. DOGAMI has modeled the tsunami inundation onshore in the Juan de Fuca Plate during a CSZ event. DOGAMI has modeled a tsunami wave height observed. It is especially noteworthy that the greatest wave height is present in coastal areas reduce the potential for disastrous tsunami-related impacts. The computer model is especially valuable for understanding the tsunami inundation within the map area. The cumulative number of buildings inundated within the map area.

References


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