Introduction

North America Plate suddenly slips westward over the Juan de Fuca Plate and the Juan de Fuca Plate (Figure 1). These plates are converging...earthquakes 6 miles inland. As shown in Figure 3, the range in time that portions of the coast may drop 4 to 10 feet during the earthquake; earthquake-produced subsidence and the tsunami-amplifying effects of...

Occurrence and Relative Size of Cascadia Subduction Zone Megathrust Earthquakes

because the two plates are stuck in place at...Eventually the locked zone ruptures and...Displaced and uplifted Pacific Ocean water...

Estimated Tsunami Wave Height through Time for Simulated Gauge Station

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 computer simulation model output is provided to DOGAMI as...The data used to create this chart came...

Displacement from Initial Tides

Higher High Water (MHHW) tide; MHHW is defined as the average...

Because the two plates are stuck in place at...occurred on January 26, 1700. Sand...

Priest, G. R., 1995, Explanation of mapping methods and use of the...

The National Oceanic and Atmospheric Administration (NOAA) since...

Using federal funding awarded by NOAA, DOGAMI has developed a new...the Oregon coast since 1994. In Oregon, DOGAMI manages the National...