Tsunami-resistant installations Elevation breakwater design

A powerful magnitude 7.2 earthquake rocked the eastern coast of Russia"s Kamchatka Peninsula on Sunday, prompting a tsunami warning for multiple coastal districts. The quake struck in the ...

This paper presents the tsunami vulnerability analysis of typical reinforced concrete (RC) buildings along the coast of Karachi, Pakistan. Both code-conforming and non-code-conforming low-rise ...

St Helens Breakwater is considered a moderate route with an elevation gain of 629 ft, taking approximately 1-1.5 hr to complete. Moderate trails often feature gradual climbs or obstacles like rocks or roots.

is a Philippine national institution dedicated to provide information on the activities of volcanoes, earthquakes, and tsunamis, as well as other specialized information and services primarily for the protection of life and ...

Key scattering factors, including reflection, transmission, and dissipation coefficients, are evaluated to determine the influences of the structural and geometric parameters on floating ...

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Presque Isle Breakwater Lighthouse is considered an easy route with an elevation gain of 3 ft, taking approximately 0.5-1 hr to complete. Easy trails are typically short, with clearly marked paths and fairly level terrain.

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This study investigates wave interactions with different configurations of pile-restrained floating breakwater (T-shaped, ?-shaped, ?-shaped, H-shaped, I-shaped, and rectangular) with the ...

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The present experimental investigation examines the surface gravity wave reflection and fluid force experienced by the vertical wall-type breakwater against the dimensionless water depth. ...

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The coastal belt in Pakistan is vulnerable to a tsunami threat due to an earthquake in the Makran subduction zone. This paper presents the tsunami vulnerability analysis of typical reinforced ...

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