Introduction

The design and implementation of tsunami and seismic hazards mitigation measures require accurate hazard assessments. The resulting Tsunami Inundation Maps are designed to assist in determining the potential extent and impacts of tsunami inundation in coastal communities. This report provides an overview of the methodology, data sources, and computer models used to create the Tsunami Inundation Map for Seaside, Oregon.

Map Explanation

The map is generated by a computer model that simulates the propagation of energy from the source of the tsunami to the coastline. The model takes into account various parameters such as the size of the earthquake, depth of the ocean, and the distance to the coast. The map shows areas that are likely to be affected by the tsunami, with different colors indicating different levels of inundation.

Ring of Fire

The Ring of Fire is a region around the Pacific Ocean where tectonic plates converge. This convergence causes frequent earthquakes and tsunamis. The map shows the extent of the Ring of Fire, highlighting areas where tsunamis are more likely to occur.

Data References

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