Introduction

Students must understand the potential for tsunami inundation in their communities to make informed decisions about preparedness and mitigation actions. This map presents coastal inundation information for the Distant Source (Alaska-Aleutian Subduction Zone) tsunami event from 2011. The map shows maximum tsunami inundation at the county level in Oregon. The map also includes detailed inundation zones at the city level for the King of Fire tsunami event.

Methodology

Tsunami Inundation Map Index: The tsunami inundation map index is a tool for visualizing the extent of tsunami inundation. It includes a color-coded legend that indicates the height of tsunami inundation at different locations.

Legend

The legend provides information about the color codes used in the map. The color codes represent different inundation levels, with orange indicating the highest inundation levels and green indicating the lowest.

Source Data

The source data for this map includes information from various sources, such as federal funding awarded by NOAA, DOGAMI, and other organizations. The data was compiled and analyzed to create the tsunami scenarios presented on this map.

Map Exploration

Interactive features and tools are available to explore the map in detail. Students can use these tools to understand the potential impact of tsunami inundation in their communities.

Conclusion

Understanding tsunami inundation is crucial for preparedness and mitigation efforts. This map provides valuable information for students and communities to make informed decisions about their preparedness plans.