

Coastal Geology with Dr. Johnathan Allen

12/4/2023

The Educational presentation and community Q&A session on coastal hazards and preparedness brought together experts and community members to discuss critical issues affecting the Oregon coastline. Dr. Jonathan Allen from DOGAMI (Oregon Department of Geology and Mineral Industries) provided a comprehensive analysis of coastal geology, highlighting ongoing erosion, the effects of climate change, and the impacts of seismic activity on coastal processes.

Dr. Jonathan Allen from DOGAMI delivered a comprehensive presentation on coastal geology and tsunami hazards in Rockaway Beach. Jeff Grace, the Emergency Preparedness Coordinator, introduced the session.

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Dr. Allen shared his 25- year experience studying coastal processes, discussing Oregon's coastal geology, erosion patterns, and tsunami risks. He explained how the coastline has evolved over thousands of years and detailed current hazards facing coastal communities.

Dr. Allen presented extensive data on sea level rise, wave patterns, and erosion rates, emphasizing the importance of understanding these processes for community safety. He also discussed tsunami preparedness, explaining different types of tsunami threats and evacuation procedures. The presentation included detailed mapping technologies and evacuation planning strategies, with particular focus on Tillamook County's vulnerabilities and preparation needs.