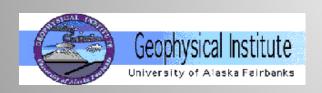
State of Alaska 2014 Activities



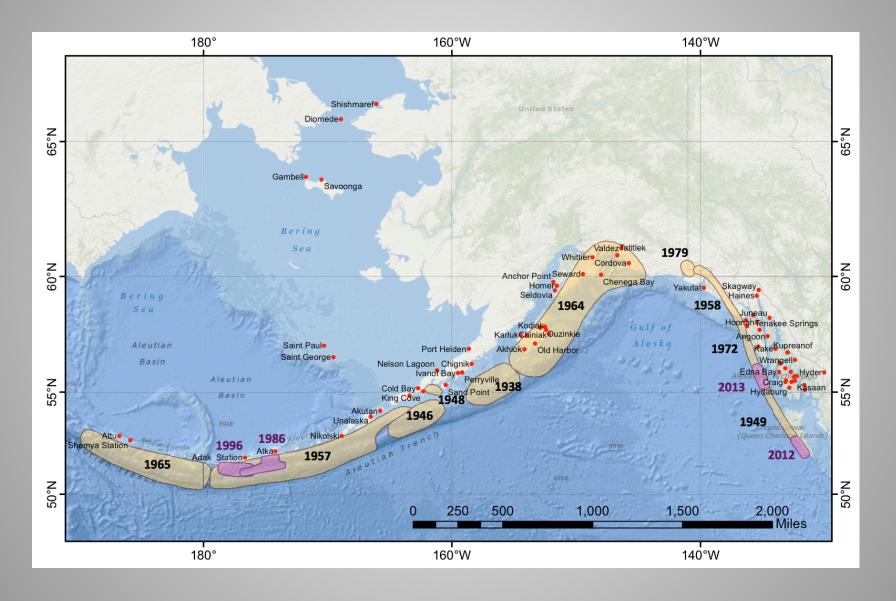
Division of Homeland Security and Emergency Management



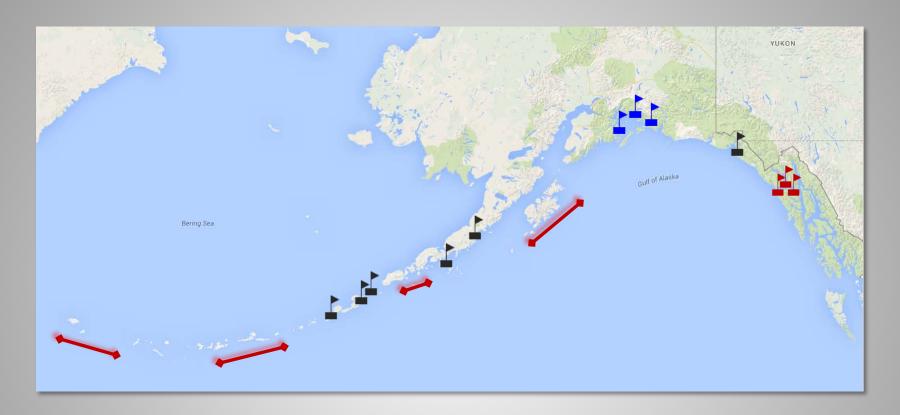
Geophysical Institute, University of Alaska Fairbanks

NTHMP Annual Meeting Portland, January 2015

Alaska coastal communities at risk of tsunamis



Objective 1: Mapping and Modeling



- Cordova, Tatitlek report is published
- Chenega report is published
- Elfin Cove, Gustavus, Hoonah report is in press
- Unalaska, Akutan report is accepted

- Sand Point, Yakutat reports are in review
- Chignik, Nikolski reports are in preparation
- Kodiak Island, Western Aleutians -Regional Assessment is in progress

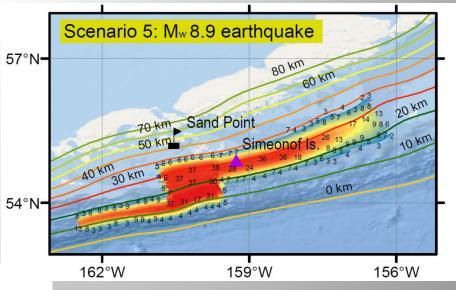
Objective 1: Mapping and Modeling

DEM Verification efforts: Karluk, Larsen
Bay, Chiniak, Ouzienki, Port Lions,
Akhiok, and Old Harbor. These DEMs are
currently being developed by NGDC.
DEMs for Haines and Skagway are
already developed.



A very nice day for the DEM verification efforts

2. Development of the methodology to construct maximum credible scenarios for various communities. Application of this technique to define tectonic sources for Sand Point, Unalaska/Dutch Harbor, Chignik, King Cove, Cold Bay and landslide-sources for communities in glacial fjords such as Yakutat, Juneau.



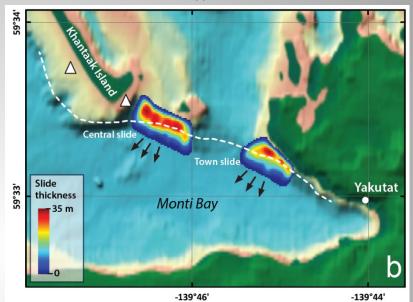
A hypothetical slip distribution near the Shumagin Gap

Objective 1: Mapping and Modeling

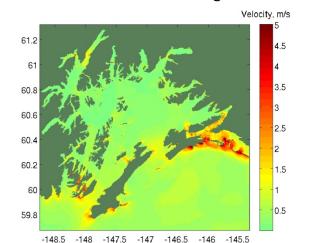
Location and thickness of the hypothetical submarine mass failures

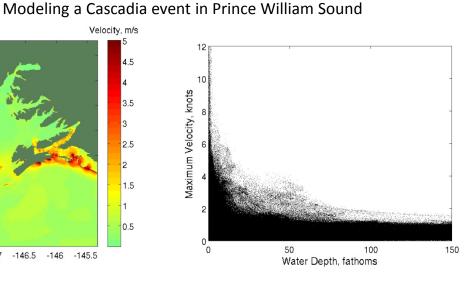
Assessment of the landslide-generated tsunami hazard in **Yakutat and Juneau**. Collaboration with University of Delaware on development of the coupled model.

NHWAVE "Viscous Slide" => Alaska NHWAVE "Viscous Slide" => FUNWAVE

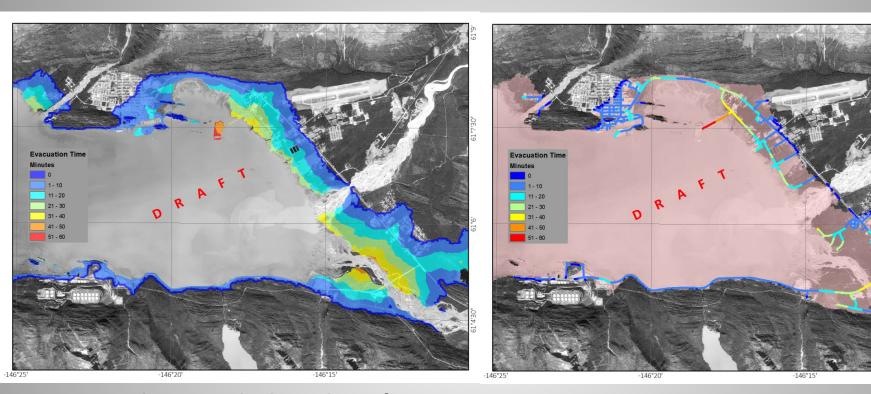


Modeling of the tsunami currents reveals some hazardous currents forming in narrow passages and near the tip of the narrow peninsulas.





Objective 1: Pedestrian Travel Time to Safety



Travel time to **the boundary** of the tsunami inundation zone

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Guidelines need to be developed!

- Kodiak Tsunami Operations Workshop
 - Over 30 participants from 15 communities
 - School presentations
 - Radio interview
- "Cordova Campaign"
 - Radio interview
 - Presentations (Schools, USFS, TSA, City Council, Filipino community)
 - Tsunami survivor remembrance ceremony
- Riskland: Remembering the 1964 Earthquake
 - Summer long exhibit display at Anchorage Museum

- TSW Live Code Test
 - Complete community call-down
 - New EOC community contact database
- Alaska Shield 14
 - 9.2 Earthquake/Tsunami scenario
 - National Capstone exercise
- "Lunch and Learn at the Capitol"
 - Legislature presentation
- Alaska Assoc. of Harbormasters presentation

- Unalaska visit
 - LEPC presentation
 - Harbormaster meeting
 - School presentations
- Siren Installations in SE Alaska
 - Klawock
 - Skagway
 - Craig
 - Ketchikan
- Evacuation Signage to Ketchikan and Craig
- Cordova TsunamiReady Recognition

June 23, 2014 TSW Evacuations

