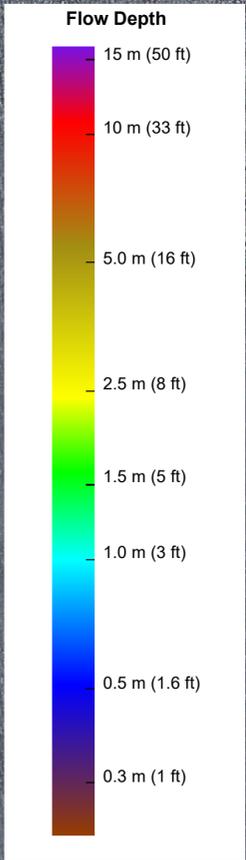


Maximum estimated inundation extent from all scenarios

Post-earthquake shoreline corresponding to the Mean Higher High Water (MHHW) level after ground subsidence

Maximum Potential Subsidence
 3.4 m (11 ft) - based on scenario 6



This map has been completed using the best information available and is believed to be accurate; however, its preparation required many assumptions. Actual conditions during a tsunami may vary from those assumed, so the accuracy cannot be guaranteed. Areas inundated will depend on specifics of the earthquake, any earthquake-triggered landslides, on-land construction, tide level, local ground subsidence, and may differ from the areas shown on the map. Information on this map is intended to permit state and local agencies to plan emergency evacuation and tsunami response actions. The map is not appropriate for site-specific use or for land-use regulation. Interpretation of the tsunami inundation map(s) by qualified experts is strongly recommended.

MAXIMUM ESTIMATED TSUNAMI INUNDATION AND POTENTIAL PERMANENT FLOODING, NORTH ATKA, ALASKA

by

E.N. Suleimani¹, J.B. Salisbury², D.J. Nicolsky¹, and M.E. West¹

The State of Alaska makes no expressed or implied warranties (including warranties for merchantability and fitness) with respect to the character, functions, or capabilities of the electronic data or products or their appropriateness for any user's purposes. In no event will the State of Alaska be liable for any incidental, indirect, special, consequential, or other damages suffered by the user or any other person or entity whether from the use of the electronic services or products or any failure thereof or otherwise. In no event will the State of Alaska's liability to the Requestor or anyone else exceed the fee paid for the electronic service or product.

Publications produced by the Division of Geological & Geophysical Surveys (DGGs) are available for download from the DGGs website (dgg.alaska.gov). Publications on paper or digital media can be examined or purchased in the Fairbanks office:

STATE OF ALASKA
 DEPARTMENT OF NATURAL RESOURCES
 DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS
 3354 College Road ♦ Fairbanks, Alaska 99709-3707
 Phone 907-451-5010 ♦ Fax 907-451-5050
 email: dggspubs@alaska.gov ♦ website: dgg.alaska.gov



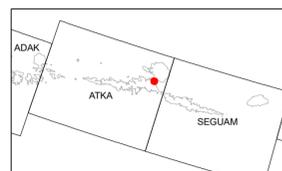
Alaska Earthquake Center
 Geophysical Institute
 University of Alaska Fairbanks
 PO Box 757320, Fairbanks, Alaska 99775-7320
 email: uaf-aec@alaska.edu
 website: <https://earthquake.alaska.edu/tsunamis>

2019

SCALE 1:30000



MAP LOCATION



LOCATION OF MAP AREA

Base map from:
 Bing Maps Aerial
Projection:
 Alaska State Plane Zone 10 (Feet)
Datum:
 North American Datum of 1983

Cartography by:
 L. Gardine¹ (2019)
Cartographic review by:
 P. Ekberg² (2019)
Review by:
 D. Stevens² (2019)

Affiliations:
¹ Alaska Earthquake Center, Geophysical Institute, University of Alaska Fairbanks, PO Box 757320, Fairbanks, AK 99775-7320
² Alaska Division of Geological & Geophysical Surveys, 3354 College Rd, Fairbanks, Alaska 99709-3707

This report was funded by Awards #NA16NWS4670030 and #NA17NWS4670006 by a National Tsunami Hazard Mitigation Program grant to the University of Alaska Fairbanks and Alaska Division of Homeland Security and Emergency Management from the Department of Commerce/National Oceanic and Atmospheric Administration.

This does not constitute an endorsement by NOAA.