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 maps by qualified experts is strongly recommended.

Tsunami Hazard Boundary

TSUNAMI HAZARD MAP OF METLAKATLA, ALASKA

by

E.N. Suleimani\(^1\), D.J. Nicolsky\(^1\), J.B. Salisbury\(^2\), and M.E. West\(^1\)

2020

Base map from:

UAF-GINA BDL

Cartography by:

L. Gardine\(^1\) (2020)

Affiliations:

\(^1\)Alaska Earthquake Center, Geophysical Institute, University of Alaska Fairbanks, PO Box 77720, Fairbanks, AK 99777-7320

\(^2\)Alaska Division of Geological & Geophysical Surveys, 3354 College Rd, Fairbanks, Alaska 99709-3707

Project was funded by Awards # NA16NWS4670030, # NA17NWS4670006 and # NA19NWS4670008 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.

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 service 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 (dggs.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
1363 College Road ▪ Fairbanks, Alaska 99709-1337
Phone 907-451-5010 ■ Fax 907-451-5050
email dggspubs@alaska.gov • website dggs.alaska.gov

The Alaska Earthquake Center (AEC) is a part of the Geophysical Institute at the University of Alaska Fairbanks. AEC is an interagency activity of the State of Alaska, U.S. Geological Survey, and the University of Alaska. AEC provides tsunami warnings to government and community partners for coastal areas in Alaska.

The data used to produce this product may contain errors or omissions. This map shows areas of tsunami inundation calculated using the latest tsunami source information available. This product may be inappropriate for use in areas affected by landslides or other events that may produce runup heights greater than 0.3 meters (1 foot) above the ground surface. For more information contact the Alaska Division of Homeland Security and Emergency Management.

Inundation estimates from this map are intended to be used in the development of emergency evacuation and response plans. Users are encouraged to perform additional analyses, such as shoreline sediment transport and/or debris flow simulations, to determine the potential impacts to local areas that may differ significantly from those estimated for this map.

This map is intended to provide estimates of potential tsunami inundation. All areas are approximate; actual inundation may vary. This map is not intended for use in determining property damage or for legal purposes. This map is for general information purposes only and should not be used for land use or construction.