Offshore Tectonic Tsunami Inundation

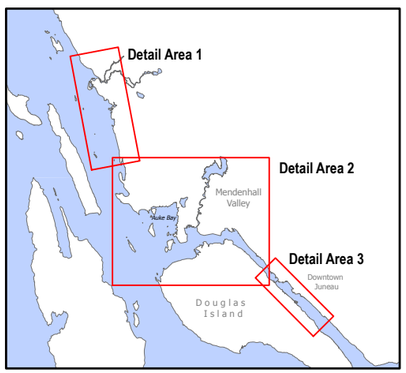
City & Borough of Juneau

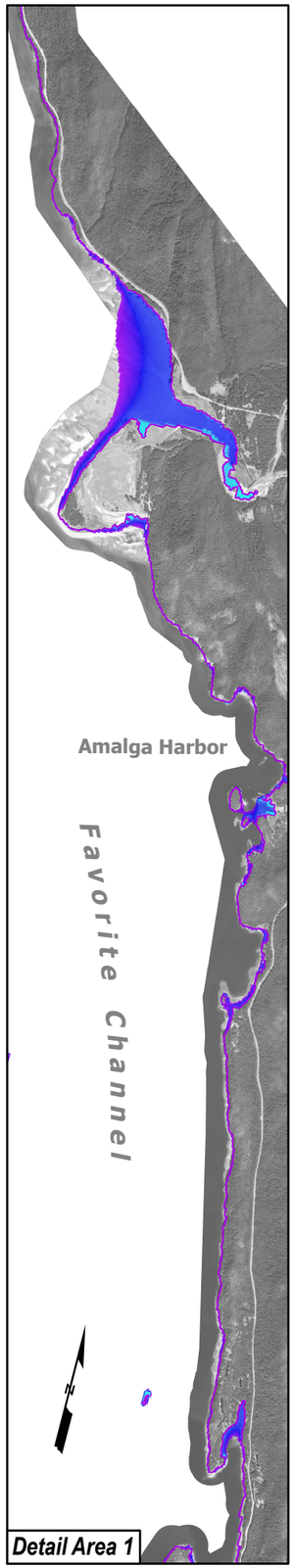
Maximum inundation extent, wave height above MHHW, and flow depth derived from scenario 4D, which is considered the worst-case geologically credible tectonic tsunami scenario. Scenario 4D is based on a Mw 9.2 Tohoku-type earthquake in the Alaska-Aleutian plate interface. It combines rupture of the 1964 and the YY segments. The extension "D" stands for "doubled" to indicate that this model includes coseismic slip adjustments used to account for underestimation of the tsunami height in numerical modeling of the 2011 Tohoku tsunami. File format: GeoTIFF and shapefile (Source: Alaska Earthquake Center, Geophysical Institute, University of Alaska, this report)

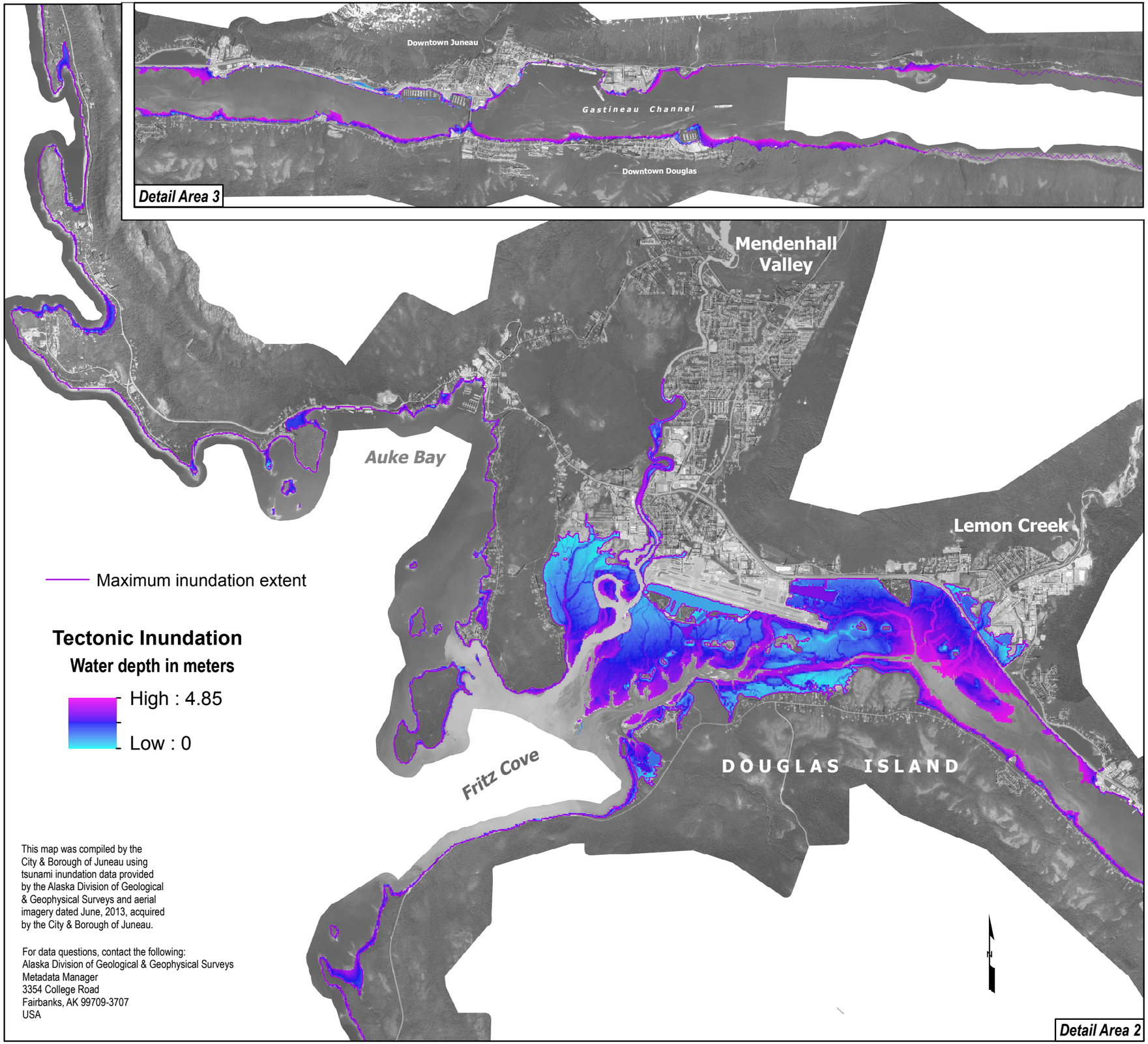
Disclaimer:
This dataset includes results of numerical modeling of earthquake-generated tsunami waves for a specific community. Modeling was completed using the best information and tsunami modeling software available at the time of analysis. They are numerical solutions and, while they are believed to be accurate, their ultimate accuracy during an actual tsunami will depend on the specifics of earth deformations, on-land construction, tide level, and other parameters at the time of the tsunami. Actual areas of inundation may differ from areas shown in this dataset. Landslide tsunami sources may not be included in the modeling due to unknown potential impact of such events on a given community; please refer to accompanying report for more information on tsunami sources used for this study. The limits of inundation shown should only be used as a general guideline for emergency planning and response action in the event of a major tsunamigenic earthquake. These results are not intended for any other use, including land-use regulation or actuarial purposes. Any hard copies or published datasets utilizing these datasets shall clearly indicate their source. If the user has modified the data in any way, the user is obligated to describe the types of modifications the user has made. The user specifically agrees not to misrepresent these datasets, nor to imply that changes made by the user were approved by the State of Alaska, Department of Natural Resources, Division of Geological &; Geophysical Surveys. The State of Alaska makes no express 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.

Map datum: NAD83 Alaska State Plane 1
Imagery date: June 2013

0 0.5 1 2 Miles







Maximum inundation extent

Tectonic Inundation

Water depth in meters

High : 4.85

Low : 0

This map was compiled by the City & Borough of Juneau using tsunami inundation data provided by the Alaska Division of Geological & Geophysical Surveys and aerial imagery dated June, 2013, acquired by the City & Borough of Juneau.

For data questions, contact the following:
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