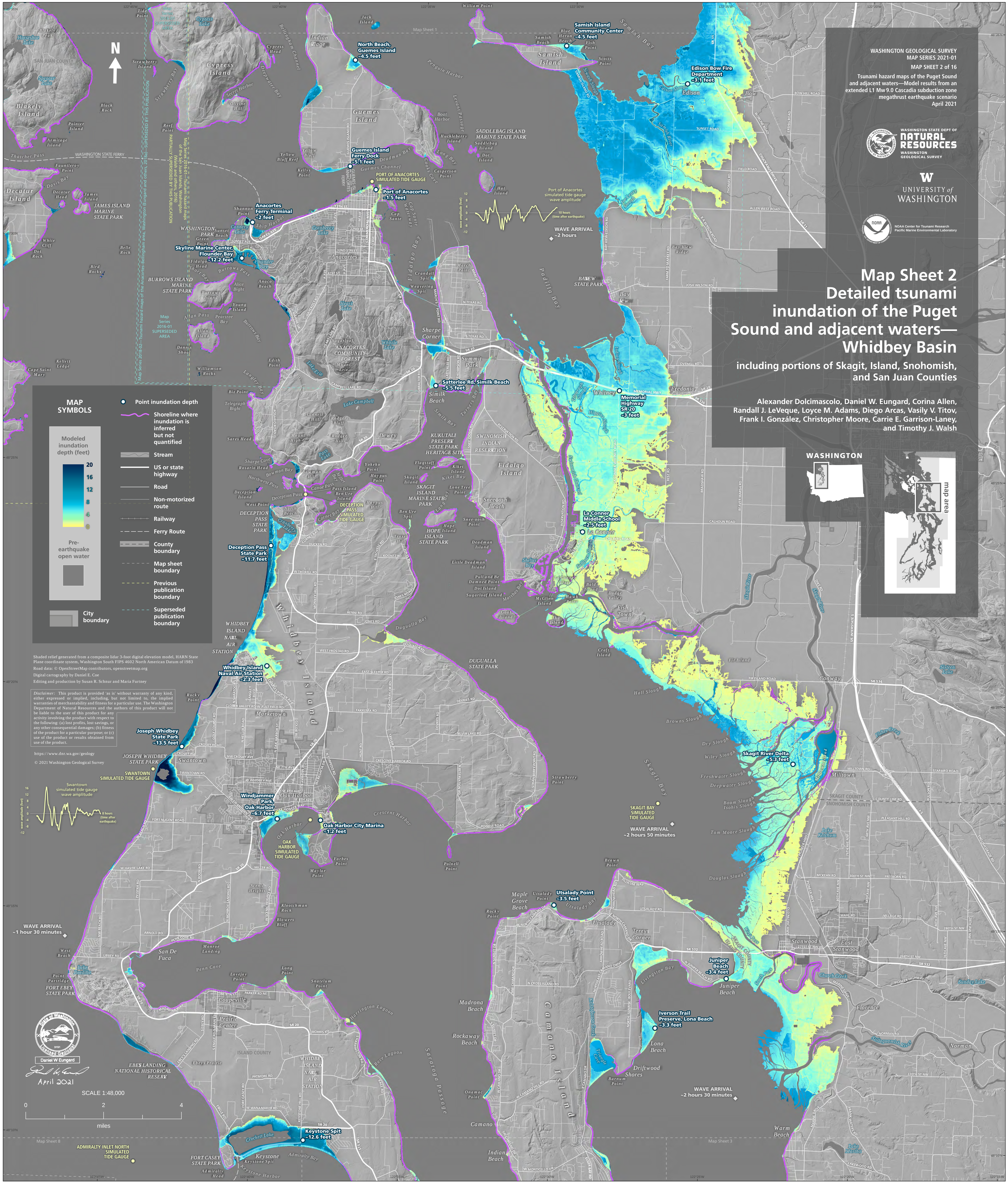




WASHINGTON GEOLOGICAL SURVEY
MAP SERIES 2021-01
MAP SHEET 2 of 16

Tsunami hazard maps of the Puget Sound and adjacent waters—Model results from an extended L1 Mw9.0 Cascadia subduction zone megathrust earthquake scenario
April 2021

WASHINGTON STATE DEPT OF
NATURAL RESOURCES
WASHINGTON GEOLOGICAL SURVEY

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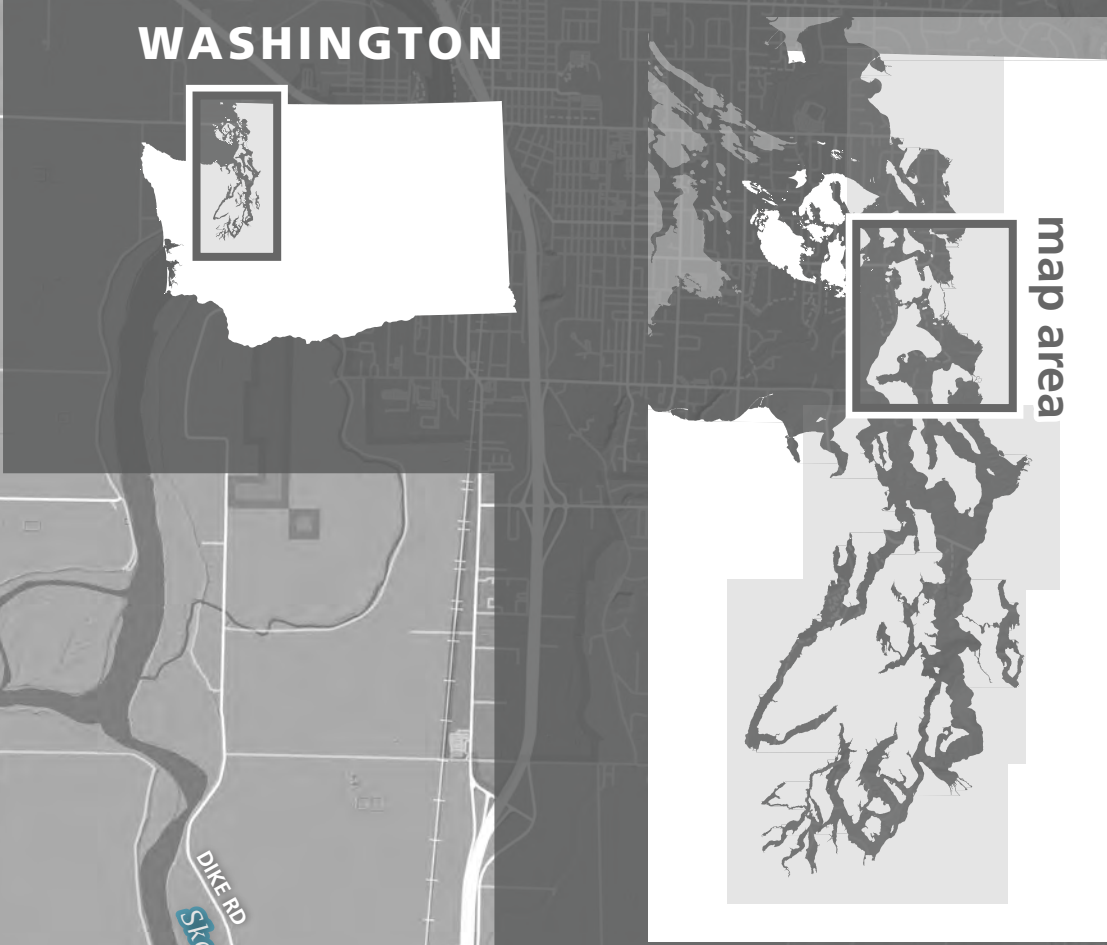
NOAA
NOAA Center for Tsunami Research
Pacific Marine Environmental Laboratory

Map Sheet 2

Detailed tsunami inundation of the Puget Sound and adjacent waters—Whidbey Basin

including portions of Skagit, Island, Snohomish, and San Juan Counties

Alexander Dolcimascolo, Daniel W. Eungard, Corina Allen, Randall J. LeVeque, Loyce M. Adams, Diego Arcas, Vasily V. Titov, Frank I. González, Christopher Moore, Carrie E. Garrison-Laney, and Timothy J. Walsh



MAP SYMBOLS

- Point inundation depth
- Shoreline where inundation is inferred but not quantified
- Stream
- US or state highway
- Road
- Non-motorized route
- Railway
- Ferry Route
- County boundary
- Map sheet boundary
- Previous publication boundary
- Superseded publication boundary
- City boundary

Modeled inundation depth (feet)

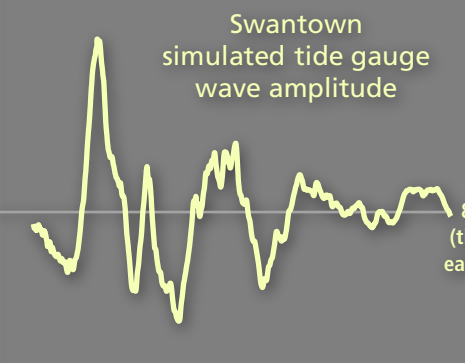
20
16
12
8
4
0

Pre-earthquake open water

Shaded relief generated from a composite lidar 3-foot digital elevation model, HARN State Plane coordinate system, Washington South FIPS 4602 North American Datum of 1983
Road data: © OpenStreetMap contributors, openstreetmap.org
Digital cartography by Daniel E. Coe
Editing and production by Susan R. Schnur and Maria Furney

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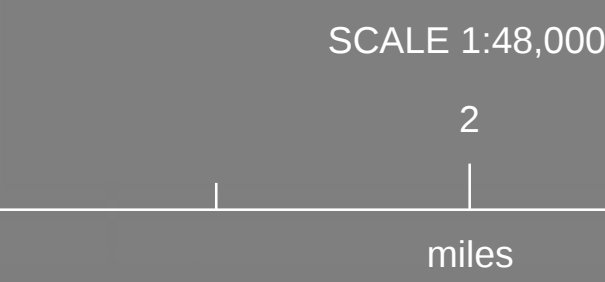
https://www.dnr.wa.gov/geology
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WAVE ARRIVAL
~1 hour 30 minutes



Daniel W. Eungard
April 2021



Map Sheet 8

ADMIRALTY INLET NORTH
SIMULATED TIDE GAUGE

WAVE ARRIVAL
~2 hours 30 minutes

WAVE ARRIVAL
~2 hours 30 minutes

WAVE ARRIVAL
~2 hours 30 minutes