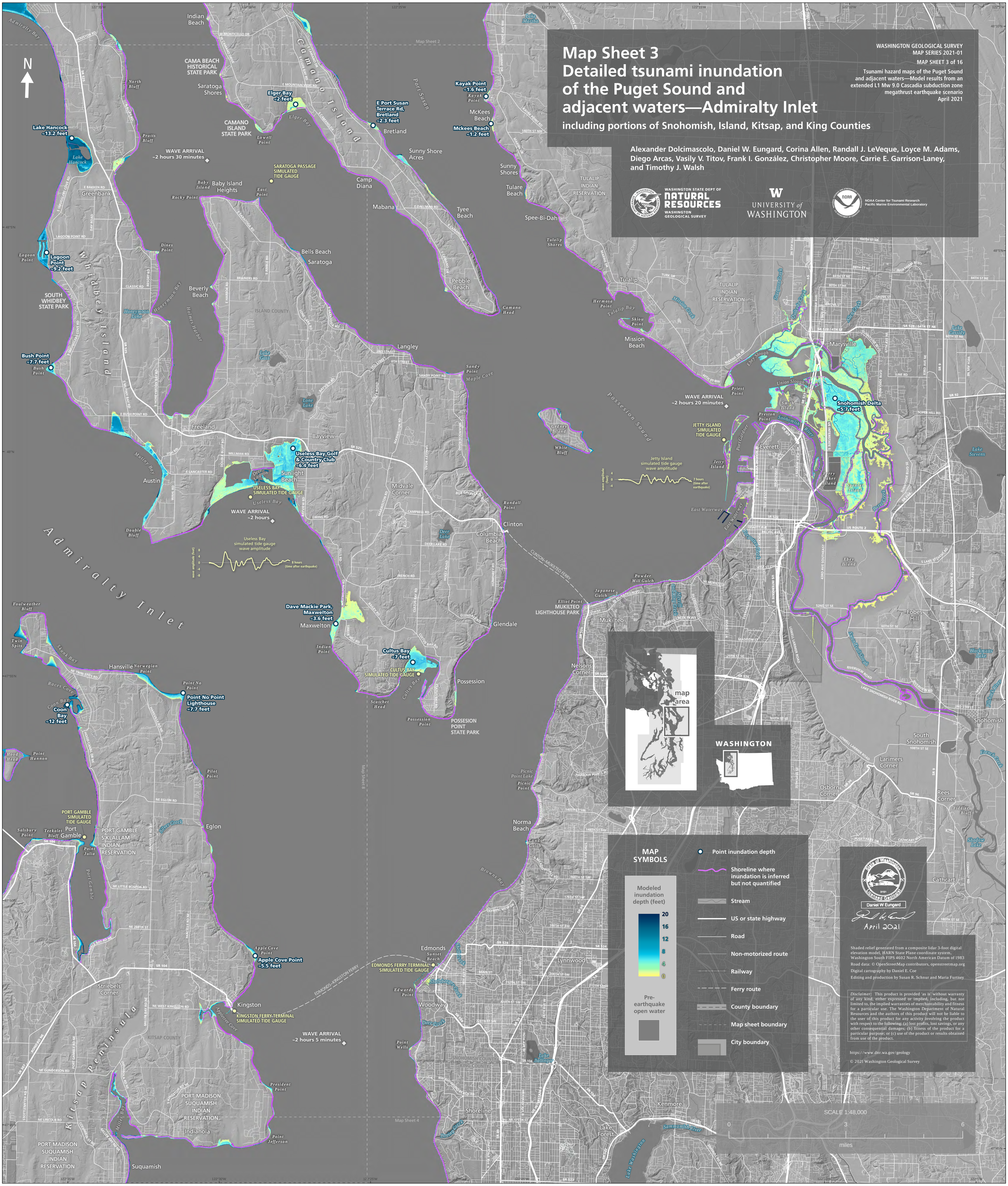
Map Sheet 3
Detailed tsunami inundation of the Puget Sound and adjacent waters—Admiralty Inlet
including portions of Snohomish, Island, Kitsap, and King Counties
WASHINGTON GEOLOGICAL SURVEY
MAP SERIES 2021-01
MAP SHEET 3 of 16
Tsunami hazard maps of the Puget Sound and adjacent waters—Model results from an extended L1 Mw 9.0 Cascadia subduction zone megathrust earthquake scenario
April 2021
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
WASHINGTON STATE DEPT OF NATURAL RESOURCES
WASHINGTON GEOLOGICAL SURVEY
UNIVERSITY of WASHINGTON
NOAA Center for Tsunami Research
Pacific Marine Environmental Laboratory
N
Lake Hancock ~13.2 feet
Lagoon Point ~9.2 feet
Bush Point ~7.7 feet
Elger Bay ~2 feet
E Port Susan Terrace Rd, Bretland ~2.3 feet
Kayak Point ~1.6 feet
Mckees Beach ~1.2 feet
Useless Bay Golf & Country Club ~6.4 feet
Dave Mackie Park, Maxwelton ~3.6 feet
Cultus Bay ~7 feet
Point No Point Lighthouse ~7.7 feet
Coon Bay ~12 feet
Apple Cove Point ~5.5 feet
Snohomish Delta ~5.7 feet
WAVE ARRIVAL ~2 hours 30 minutes
WAVE ARRIVAL ~2 hours
WAVE ARRIVAL ~2 hours 20 minutes
WAVE ARRIVAL ~2 hours 5 minutes
SARATOGA PASSAGE SIMULATED TIDE GAUGE
USELESS BAY SIMULATED TIDE GAUGE
CULTUS BAY SIMULATED TIDE GAUGE
JETTY ISLAND SIMULATED TIDE GAUGE
EDMONDS FERRY TERMINAL SIMULATED TIDE GAUGE
KINGSTON FERRY TERMINAL SIMULATED TIDE GAUGE
PORT GAMBLE SIMULATED TIDE GAUGE
Useless Bay simulated tide gauge wave amplitude
Jetty Island simulated tide gauge wave amplitude
Admiralty Inlet
Whidbey Island
Camano Island
Kitsap Peninsula
Possession Sound
Port Susan
Map Sheet 2
Map Sheet 4
Map Sheet 8
map area
WASHINGTON
MAP SYMBOLS
Modeled inundation depth (feet)
20
16
12
8
4
0
Pre-earthquake open water
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
City boundary
Daniel W Eungard
April 2021
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 Furtney
Disclaimer: This product is provided 'as is' without warranty of any kind, either expressed or implied, including, but not limited to, the implied warranties of merchantability and fitness for a particular use. The Washington Department of Natural Resources and the authors of this product will not be liable to the user of this product for any activity involving the product with respect to the following: (a) lost profits, lost savings, or any other consequential damages; (b) fitness of the product for a particular purpose; or (c) use of the product or results obtained from use of the product.
https://www.dnr.wa.gov/geology
© 2021 Washington Geological Survey
SCALE 1:48,000
0
3
6
miles