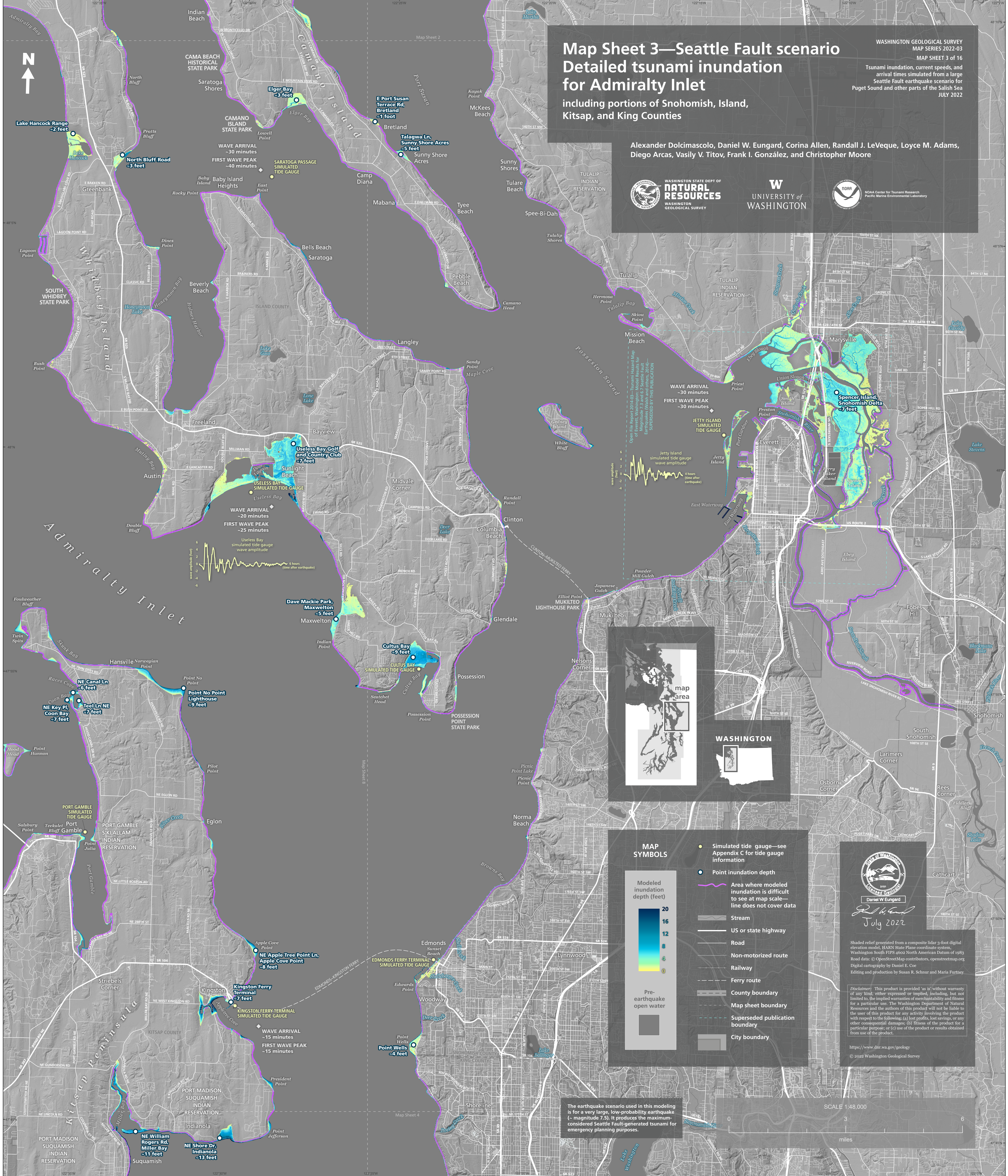


Map Sheet 3—Seattle Fault scenario Detailed tsunami inundation for Admiralty Inlet

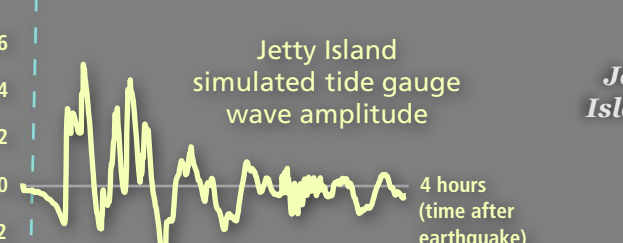
including portions of Snohomish, Island,
Kitsap, and King Counties

WASHINGTON GEOLOGICAL SURVEY
MAP SERIES 2022-03
MAP SHEET 3 of 16
Tsunami inundation, current speeds, and
arrival times simulated from a large
Seattle Fault earthquake scenario for
Puget Sound and other parts of the Salish Sea
JULY 2022

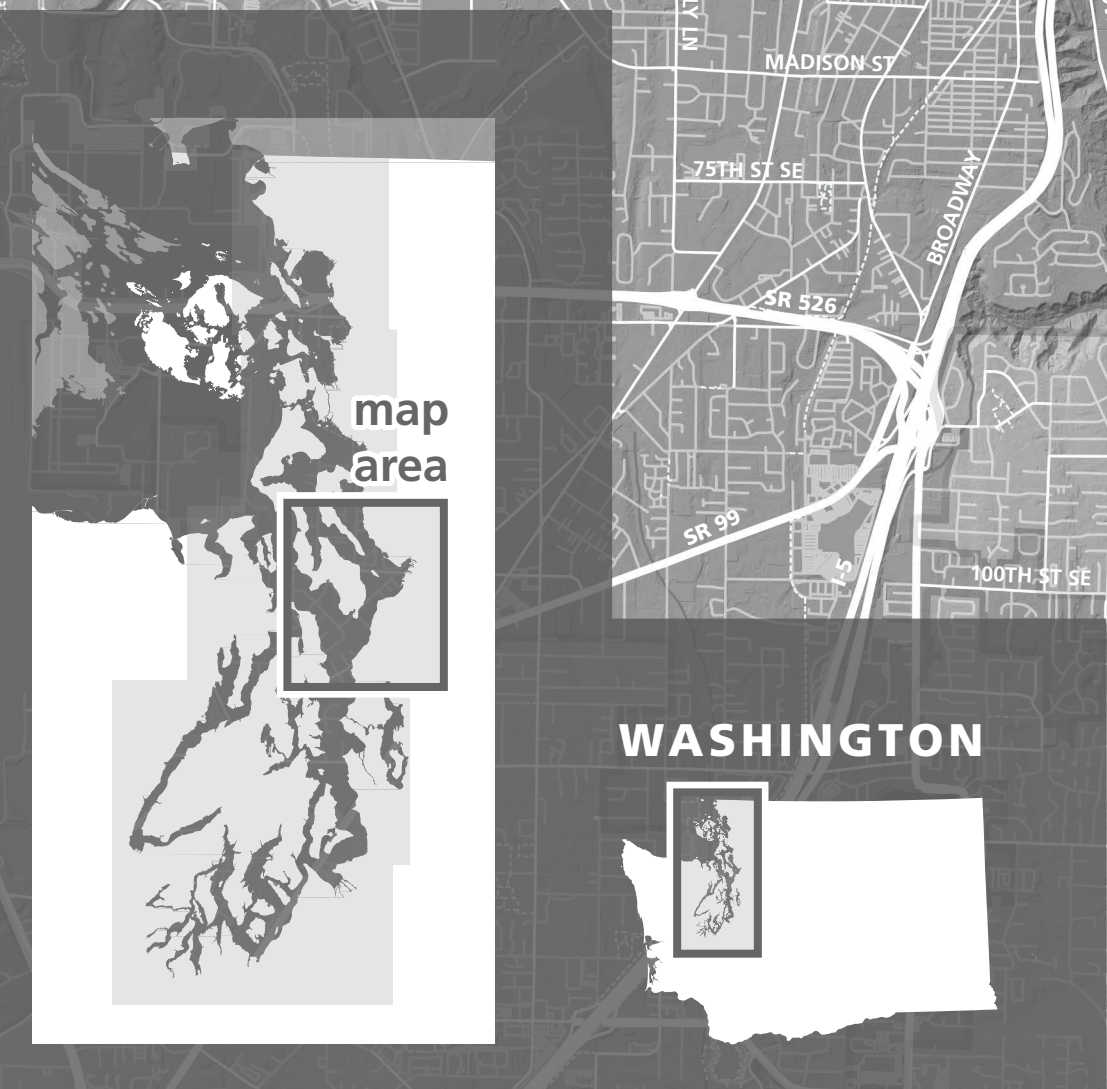
Alexander Dolcimascolo, Daniel W. Eungard, Corina Allen, Randall J. LeVeque, Loyce M. Adams,
Diego Arcas, Vasily V. Titov, Frank I. González, and Christopher Moore



Open File Report 2014-09—Tsunami Hazard Map of the Puget Sound Region: Model Results for Earthquakes (Wash and others, 2014). SUPERSEDED BY THIS PUBLICATION.



Jetty Island simulated tide gauge wave amplitude
4 hours (time after earthquake)



MAP SYMBOLS

- Simulated tide gauge—see Appendix C for tide gauge information
- Point inundation depth
- Area where modeled inundation is difficult to see at map scale—line does not cover data
- Stream
- US or state highway
- Non-motorized route
- Railway
- Ferry route
- County boundary
- Map sheet boundary
- Superseded publication boundary
- City boundary

Modeled inundation depth (feet)

Pre-earthquake open water

Daniel W. Eungard
July 2022

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. Schuur and Maria Furnzey.

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The earthquake scenario used in this modeling is for a very large, low-probability earthquake (magnitude 7.5). It produces the maximum-considered Seattle Fault-generated tsunami for emergency planning purposes.

SCALE 1:48,000

