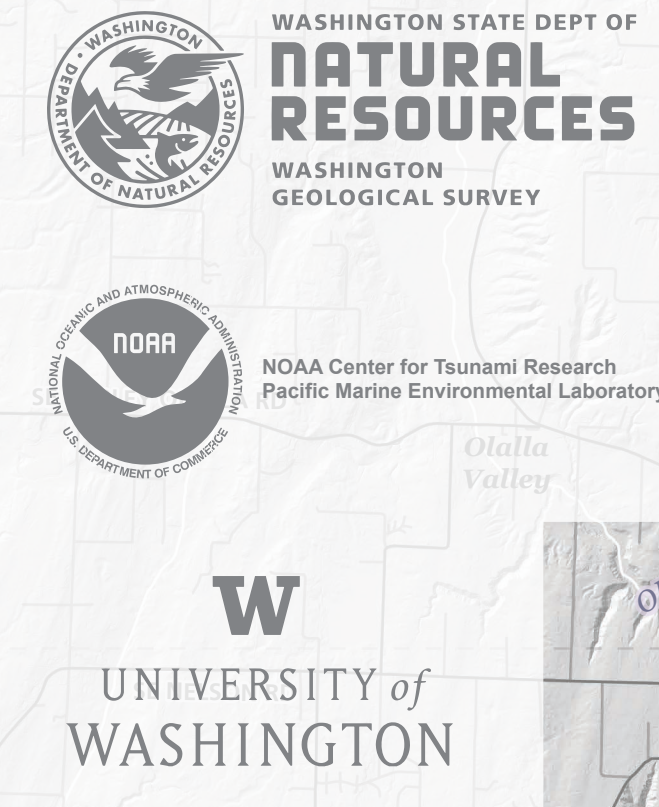
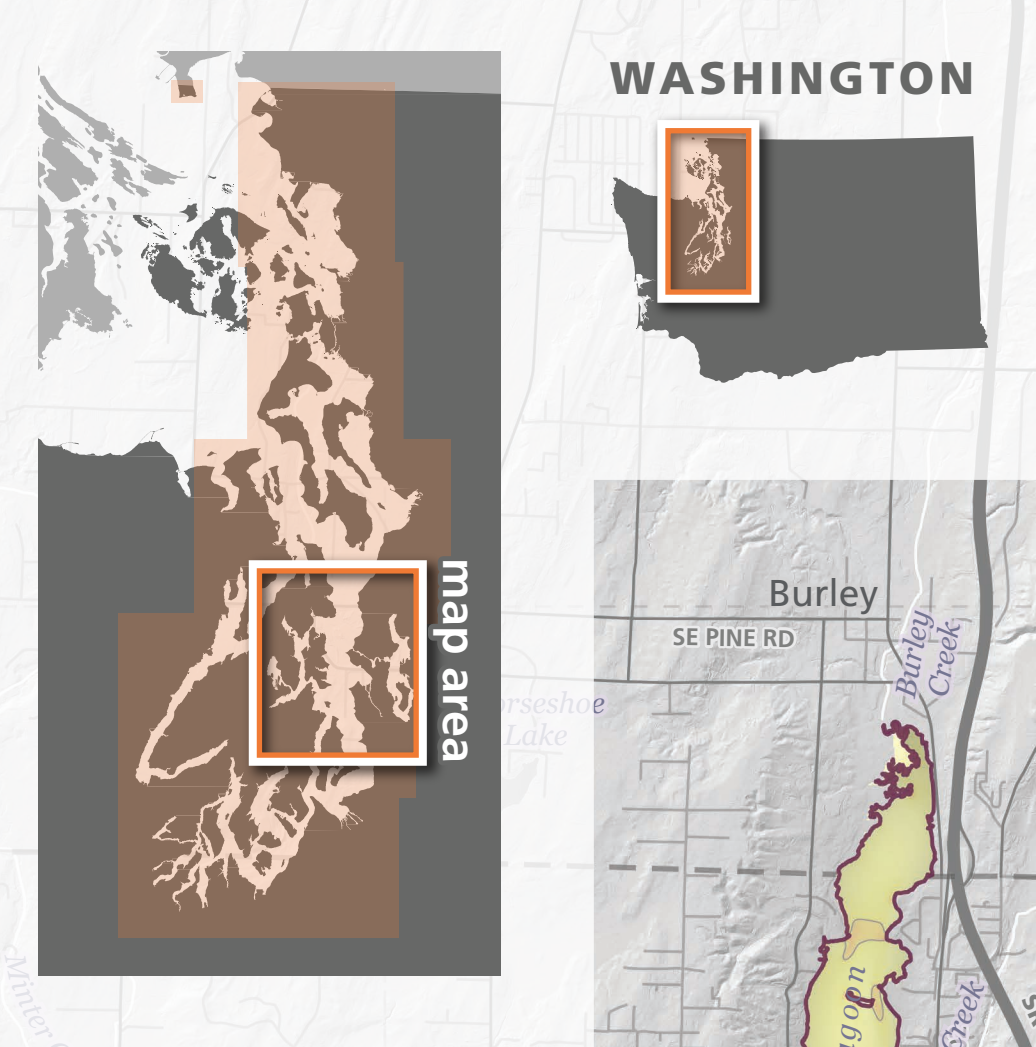


Map Sheet 12—Seattle Fault scenario Tsunami maximum current speeds for East Passage

including portions of King, Kitsap, and Pierce Counties

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

WASHINGTON GEOLOGICAL SURVEY
MAP SERIES 2022-03
MAP SHEET 12 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



Open File Report 2003-14—Tsunami Hazard Map of the Elliott Bay Area, Seattle, Washington: Modeled Tsunami Inundation from a Seattle Fault Earthquake (Walsh and others, 2003)—SUPERSEDED BY THIS PUBLICATION

Open File Report 2009-09—Tsunami Hazard Map of Tacoma, Washington: Model Results for Seattle Fault and Tacoma Fault Earthquake (Tsunamis (Walsh and others, 2009)—SEATTLE FAULT PORTION SUPERSEDED BY THIS PUBLICATION

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.

MAP SYMBOLS

Modeled maximum current speed (knots)

- >9
- 9
- 6-9
- 6
- 3-6
- 3
- 0-3

● Point current speed

- Pre-earthquake shoreline
- Stream
- US or state highway
- Road
- Non-motorized route
- Railway
- Ferry route
- County boundary
- Map sheet boundary
- Superseded publication boundary
- City boundary

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. Schurr and Maria Furtney

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July 2022

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SCALE 1:48,000
0 3 6 miles