WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES
DIVISION OF GEOLOGY AND EARTH RESOURCES

NOAA Center for Tsunami Research
Pacific Marine Environmental Laboratory

WASHINGTON DIVISION OF GEOLOGY AND EARTH RESOURCES
MAP SERIES 2016-01
MAP SHEET 2 OF 4

Tsunami Hazard Maps of the San Juan Islands, Washington—
Model Results from a Cascadia Subduction Zone Earthquake Scenario
October 2016

[Partially Superseded by Map Series 2021-01]

Map Sheet 2: Tsunami inundation model results for San Juan Island and parts of Shaw and Orcas Islands

Modeled inundation depth (feet)

- 0 – 2.5
- 2.5 – 6
- > 6

Shoreline where inundation is inferred but not quantified

Ferry routes

SCALE 1:24,000

2 1 0 2 MILES

2 1 0 2 KILOMETERS

Base map from 2013 Washington State NAIP color 3-foot-resolution aerial photos
Shaded relief generated from NOAA 10-meter combined digital elevation model and bathymetry
HARN State Plane coordinate system, Washington South FIPS 4602
North American Datum of 1983
Digital cartography by Ian J. Hubert, Anne C. Olson, and Daniel E. Coe
Editing and production by Alexander Steely and Jessica Czajkowski

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Limestone Point
Roche Harbor
Roche Harbor
Roche Harbor Road
Westcott Bay
Rocky Bay
Roche Harbor Lake
HENRY ISLAND
Open Bay
Mosquito Pass
SAN JUAN CHANNEL
JONES ISLAND
ORCAS ISLAND
Deer Harbor
Deer Harbor
North Pass
WEST SOUND
Wasp Passage
Neck Point Road
SHAW ISLAND
Point George
Parks Bay
Sportsman Lake
Roche Harbor Road
West Valley Road
CADY MOUNTAIN
SAN JUAN ISLAND
Egg Lake Road
Andrews Bay
Westside Road
Trout Lake
MOUNT DALLAS
Zyistra Lake
Woods Reservoir
Wold Road
Deadman Bay
Beaverton Road
San Juan Valley Road
Friday Harbor
Friday Harbor simulated tide gauge
Friday Harbor
Turn Point Road
Pear Point Road
North Bay
Bailer Hill Road
Cattle Point Road
GRIFFIN BAY
False Bay
False Bay Road
Pile Point
Eagle Point
Cattle Point

State of Washington
Engineering Geologist
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October 2016

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