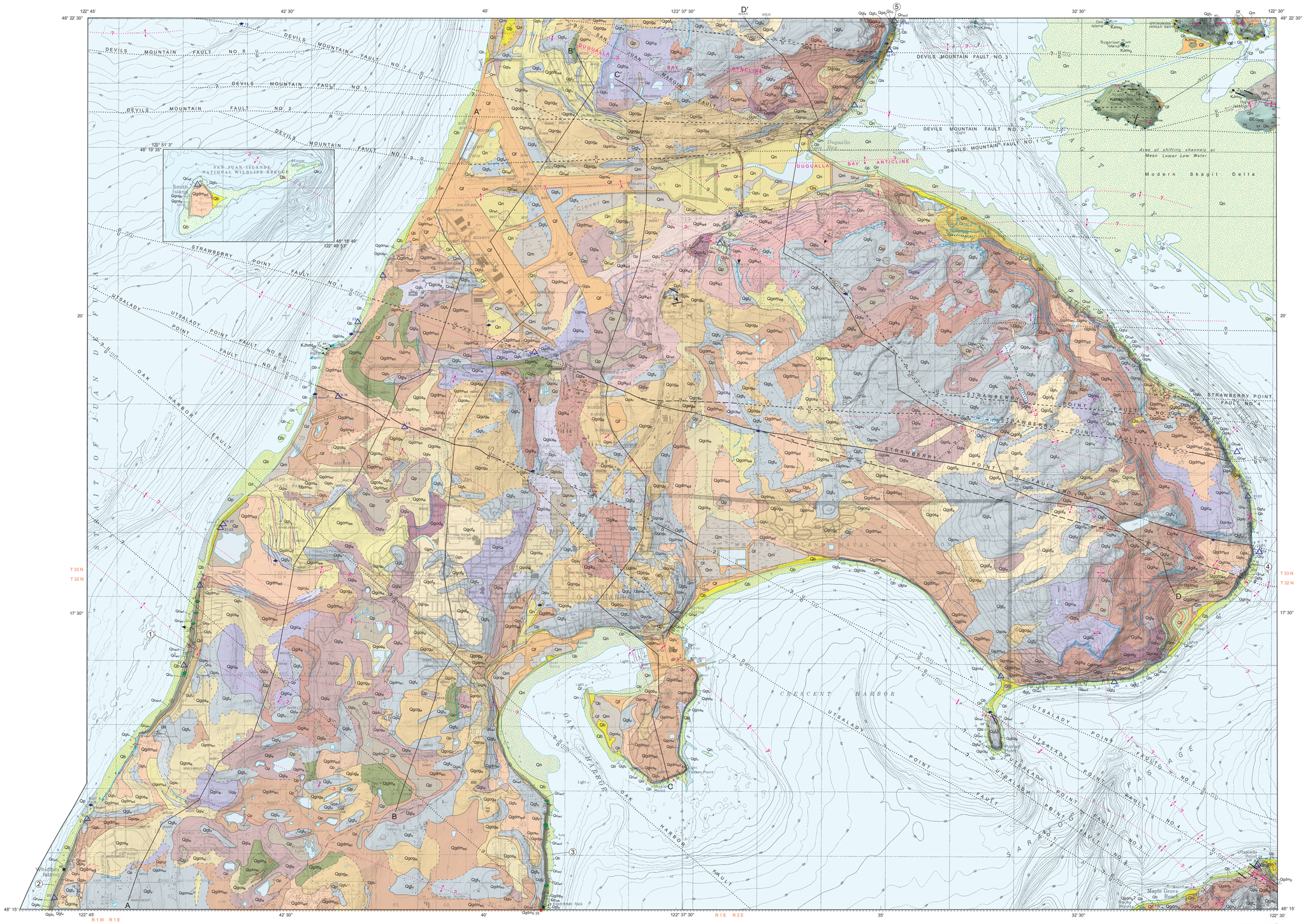
WASHINGTON STATE DEPARTMENT OF
Natural Resources
Doug Sutherland - Commissioner of Public Lands
Division of Geology and Earth Resources
Ron Teissere - State Geologist

Geologic Map of the Oak Harbor, Crescent Harbor, and Part of the Smith Island 7.5-minute Quadrangles, Island County, Washington

by Joe D. Dragovich, Gary T. Petro, Gerald W. Thorsen, Sarah L. Larson, Gregory R. Foster, and David K. Norman

June 2005



Lambert conformal conic projection
North American Datum of 1983
Base map from scanned and rectified U.S. Geological Survey 7.5-minute Oak Harbor, Crescent Harbor, and Smith Island quadrangles (all 1998)
The dashed line at the bottom of this map is the southern boundary of a sliver of geology that has been added to fill in the gap between this map, which has a NAD83 datum, and the Coupeville 7.5-minute quadrangle (GM-58) to the south, which has a NAD27 datum; the gap is due to the offset between the two datums
Shaded relief for Oak Harbor and Crescent Harbor quadrangles generated from lidar; sun azimuth 315; sun angle 60%; vertical exaggeration 4x
Shaded relief for the Smith Island inset, Goat Island, Ika Island, Fidalgo Island, and Camano Island generated from U.S. Geological Survey 10-meter digital elevation model; sun azimuth 315%, sun angle 60%; vertical exaggeration 4x
Digital cartography by Anne C. Heinitz and J. Eric Schuster
Editing and production by Jaretta M. Roloff

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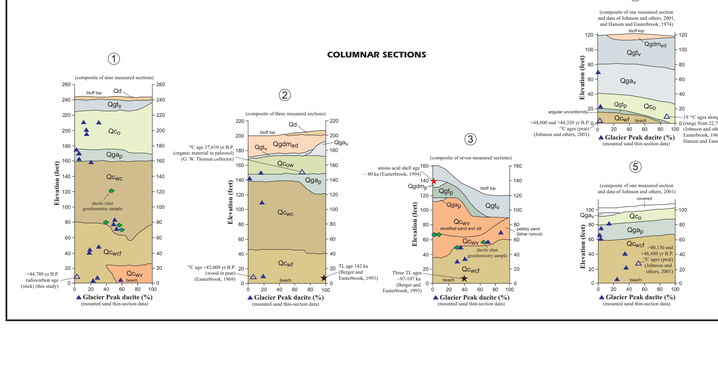
SCALE 1:24,000
1 — 0.5 — 0 — 1 MILE
1000 — 0 — 1000 — 2000 — 3000 — 4000 — 5000 — 6000 — 7000 FEET
1 — 0.5 — 0 — 1 KILOMETER
contour interval 20 feet

COLUMNAR SECTIONS


(composite of nine measured sections)
(composite of three measured sections)
(composite of seven measured sections)
(composite of one measured section and data of Johnson and others, 2001, and Hansen and Easterbrook, 1974)
Elevation (feet)
Glacier Peak dacite (%)
(mounted sand thin-section data)
Qd
Qgly
Qcb
Qgdmed
Qgdmec
Qcwc
Qcwf
Qcwv
Qgdlp
Qcl
Qgdlo
Qgly
Qcwf
Qcwv
Qcl
Qgdlp
Qgly
Qcwf
Qcl
Qgly
Qcl
Qgdlp
Qcwf
Qcl
Qgly
Qcl
Qgly
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Qgly