

**City of Bainbridge Island - Geologically Hazardous Areas
Best Available Science Bibliography – Draft 12/8/2017**

Author	Date	Title & Publication	Information Category¹ Ge, Sl, Te, Li, Er, Se, Ts, To	Relevance H-M-L	New Information	Comments	Have Document
Adams, J.	1992	Paleoseismology: A search for ancient earthquakes in Puget Sound: <i>Science</i> , v. 258, p. 1592-1593.	Te, Se, Ts	H	No	Intro to other reports on studies of Seattle fault.	Yes
Applied Environmental Services, and Anchor Environmental, LLC	2001	Bainbridge Island Nearshore Assessment – Summary of Best Available Science: November 2001 Draft	Ge, Er	L	No	Little new information but some review of coastal bluff erosion processes.	Yes
ASCE Committee: Los Angeles Section Geotechnical Group	2002	Recommended Procedures for Implementation of DMG Special Publication 117: Guideline for Analyzing and Mitigating Landslide Hazards in California	Sl	M	Yes	Committee-generated BAS review of California Slope Stability	Yes
Barnett, E. A., Haugerud, R. A., Sherrod, B. L., Weaver, C. S., Pratt, T. L., and Blakely, R. J.	2010	Preliminary Atlas of Active Shallow Tectonic Deformation in the Puget Lowland, Washington: USGS Open-File Report 2010-1149.	Te, Se	M?	Yes	Compilation of geological and geophysical data including paleoseismic, seismic reflection/refraction, magnetic anomalies, and gravity anomalies.	Yes
Blakely, R. J., Wells, R. E., Weaver, C. S., Johnson, S. Y.	2002	Location, structure, and seismicity of the Seattle fault zone, Washington: Evidence from aeromagnetic anomalies, geologic mapping, and seismic-reflection data: <i>GSA Bulletin</i> , February 2002; v. 114; no. 2; p. 169-177.	Te, Se	H	No	Geometry and location of Seattle fault strands on Bainbridge, Toe Jam Hill fault motion and origin hypothesized with \geq magnitude 6 earthquake.	Yes
Bray, Jonathan D.	2007	Simplified Seismic Slope Displacement Procedures; Chapter 14: Department Civil & Environmental Engineering, University of California, Berkley	Sl, Se	M	Yes	Methodologies related to sibling reference below.	Yes
Bray, Jonathan D. F. ASCE; Travasarou, Thaelia	2007	Simplified Procedure for Estimating Earthquake-Induced Deviatoric Slope Displacements: Journal of Geotechnical and Geoenvironmental Engineering: DOI: 10.1061/_ASCE_1090-0241_2007_133:4_381_	Sl, Se	M	Yes	Semiempirical relationship for slope deformation, helps inform seismic SSA.	Yes
Bucknam, R. C., Hemphill-Haley, E., Leopold, E. B.	1992	Abrupt uplift within the past 1700 years at Southern Puget Sound, Washington: <i>Science</i> , v. 258, p. 1611-1614.	Te, Se	H	No	Documents uplift of Restoration Point in association with \geq magnitude 7 earthquake.	Yes
Canning, D. J., and Shipman, H.	1995	Coastal Erosion Management Studies in Puget Sound, Washington: Executive Summary: Washington Department of Ecology Shorelands and Water Resources Program, Report 94-74, 100 p.	Er, Sl	M	No	Summary of coastal erosion processes, and management strategies	Yes
City of Los Angeles Department of Building and Safety	2016	Slope Stability Evaluation and Acceptance Standards: Information Bulletin/Public-Building Code: Reference No.: LABC 7006.3, 7014.1 Effective: 1/1/2017: Document No.: P/B 2017-049 Revised: 12-21-2016: Previously Issued As: P/BC 2014-049	Sl, Se	M	Yes	Example of use of Static FS >1.5 and Seismic FS >1.0	Yes
Cornforth, Derek K	2007	Landslides and Society: Seven Deadly Sins of Landslide Investigation, Analysis, and Design: Proceeding of the First North American Conference on Landslides: ISBN 978-0-9754295-2-5	Sl	M	Yes	Limitations related to SSA, practical guidance related to development of factors of safety.	Yes
County of Los Angeles Department of	2014	Administrative Manual: Alternate Setback and Setbacks	Sl	L	Yes	Guidance of slope stability analyses for	Yes

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Public Works Geotechnical and Materials Engineering Division		from Descending Slope				residential development.	
Cox, H., Macdonald, K, and Rigert, T.	1994	Engineering and Geotechnical techniques for shoreline erosion management in Puget Sound: Washington Department of Ecology Shorelands and Water Resources Program, Report 94-77, 48 p, appendices.	Er, Sl	M	No	Shoreline erosion mechanisms and stabilization techniques.	Yes
Czajkowski, J. L. and Bowman, J. D.	2014	Faults and Earthquakes in Washington State: Washington Division of Geology and Earth Resources Open File Report 2014-05.	Te, Se	M	Yes	Includes mapped faults and hypocenters of earthquakes of Mw >2.0 and shallower than 25 km.	Yes
Deeter, J. D.	1979	Quaternary geology and stratigraphy of Kitsap County, Washington: Western Washington University Master of Science Thesis; 175 p, 1 plate.	Ge	H	No	Geologic map of Bainbridge Island with description of units. Best geologic map of Bainbridge Island for engineering soil units.	Partial
Eungard, D. W.	2014	Models of Bedrock Elevation and Unconsolidated Sediment Thickness in the Puget Lowland, Washington: Washington Division of Geology and Earth Resources Open File Report 2014-04.	Ge, Te	M	Yes	Integrates bedrock elevations from geologic maps, cross sections, borehole data, and seismic profiles.	Yes
Frans, L. M., Bachmann, M. P., Sumioka, S. S., and Olsen, T. D.	2011	Geologic Map and Cross Sections Showing Hydrogeologic Units on Bainbridge Island, Kitsap County, Washington: USGS Scientific Investigations Report 2011-5021.	Ge	L?	Yes	Presents five cross sections through Bainbridge Island that show aquifers and confining units.	Yes
Fulmer, C. V.	1975	Stratigraphy and paleontology of the type Blakeley and Blakely Harbor Formations. p. 210-271.	Ge	L	No	Basic geologic information on Tertiary rock types.	Yes
Galster, R. W.; Laprade, W. T.	1991	Geology of Seattle, Washington, United States of America: <i>Association of Engineering Geologists Bulletin</i> , v. 28, no. 3, p. 235-302, 1 plate.	Ge	M	No	Basic geologic information on regional geologic units.	Yes
Galster, Richard W.	1987	A survey of coastal engineering geology in the Pacific Northwest: <i>Association of Engineering Geologists Bulletin</i> , v. 24, no. 2, p. 161-197.					
Garring, M. E.; Molenaar, Dee; and others	1965	Water Resources and geology of the Kitsap Peninsula and certain adjacent islands: Washington Division of Water Resources Water-Supply Bulletin 18, 309 p., 5 plates.	Ge	L	No	Geologic map and geologic descriptions.	Yes
Gerstel, W. J., Brunengo, M. J., Lingley, W. S., Jr., Logan, R. L., Shipman, Hugh and Walsh, T. J.	1997	Puget Sound Bluffs: The where, why and when of landslides following the holiday 1996/97 storms. <i>Washington Geology</i> , vol. 25, no. 1, p. 17-31.	Sl, Er	M	No	Description of slope failures and causes in Puget Sound.	Yes
Golder Associates	2004	Slope Stability Guidelines for Development Applications in the City of Ottawa; Original by Golder Associates, 2004 Updated by City of Ottawa, 2012	Sl	M	Yes	Example guidance on slope stability requirements for residential development.	Yes
Grant, W. P.; Perkins, W. J.; Youd, T. L.	1992	Evaluation of liquefaction potential, Seattle, Washington: U. S. Geological Survey Open-File Report 91-441-T, 44 p., 1 plate.	Li	M	No	Example of liquefaction potential evaluation of Seattle area.	Yes

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Gray, D.H. and Sotir, R.B.	1996	Biotechnical Soil Bioengineering Slope Stabilization: A Practical Guide for Erosion Control	Er, Sl	H	No	Guide to using vegetation to reduce erosion and increase slope stability.	No
Hansen, A. J., Jr.; Bolke, E. L.	1980	Ground-water availability on the Kitsap Peninsula, Washington: U. S. Geological Survey Open-File Report 80-1186, 70 p.	Ge	L	No	Geologic map and geologic information.	Yes
Harp, E.L, Michael, J.A., and Laprade, W.T.	2006	Shallow-landslide Hazard Map of Seattle, Washington, U.S. Geological Survey Open-File Report 2006-1139.	Ge, Sl	M	Yes	Presents geologic setting and statistical data on slope hazards in setting similar to Bainbridge Island	Yes
Haugerud, R., Haeussler, P.	2000	Bedrock geology of Seattle: Spring Field Trip, Northwest Geological Society, p. 6-7.	Ge	L	No	General bedrock geologic information and outcrop locations on Bainbridge Island.	Yes
Haugerud, R.A.	2009	Preliminary geomorphic map of the Kitsap Peninsula, Washington: U.S. Geological Survey, Open-File Report 2009-1033, 2 sheets, scale 1:36,000.	Sl	H	Yes	Geomorphic interpretation of Bainbridge Island based on LiDAR topography analyses. Relevant for steep slope and erosion hazard delineation	Yes
Haugerud, R.A., and Troost, K.G.	2011	Geologic map of the Suquamish 7.5' quadrangle and part of the Seattle North 7.5' x 15' quadrangle, Kitsap County, Washington: U.S. Geological Survey Scientific Investigations Map 3181, scale 1:24,000, available at https://pubs.usgs.gov/sim/3181/ .	Sl, Te, Li, Er	M	Yes	Map surface geology is duplicate of Haugerud, 2005, but contains additional subsurface interpretations.	Yes
Haugerud, R.A.	2005	Preliminary Geologic Map of Bainbridge Island, Washington, U.S. Geological Survey Open-File Report 2005-1387.	Sl, Te, Li, Er	H	Yes	LiDAR-topography-based with geologic and geomorphic surfaces and process designations.	Yes
Haugerud, R.A., Ballantyne, D.B., Weaver, C.S., Meagher, K.L, and Barnett, E.A.	2016	Seismic hazard map for the Pacific Northwest – Peak ground acceleration with 2% probability of exceedance in 50 years: U. S. Geological Survey Pacific Northwest Geologic Mapping and Urban Hazards website: https://geomaps.wr.usgs.gov/pacnw/lifeline/eqhazards.html	Se	H	No	Presents peak ground acceleration of 0.66 to 0.75 g for south end of Bainbridge Island, diminishing to 0.46 to 0.55 for north end of island. Listed as preliminary for review purposes only at this time.	yes
Hyndman, R. O., Dragert, H., and Wang, R.	2001	Earthquake hazards in the Pacific Northwest: Rupture area of great earthquakes and origin of Puget Sound Seismicity: Annual Report USGS NEHRP External Grant 01-HQ-GR-0004.	Te, Li, Se	M	No	Presents frequency of occurrence for crustal earthquakes.	Yes
Hynes-Griffin, Mary. E.; Franklin, Arley G.	1984	Rationalizing the Seismic Coefficient Method; Miscellaneous Paper GL 84-13; Department of the Army Waterways Experiment Station, Corps of Engineers, Final Report	Sl, Se	M	No	Background data on seismic slope stability analysis and related guidance.	Yes
International Construction Congress	2017	International Building Code	Se	H	Yes	Presents revised seismic hazard basis for design.	No
Johnson, S. Y., Dadisman, S. V., Childs, J. R., Stanley, W. D.	1999	Active tectonics of the Seattle fault and central Puget Sound, Washington Implications for earthquake hazards: <i>GSA Bulletin</i> , v. 111, no. 7, p. 1042-1053.	Te, Se, Ts	H	No	Location and orientation of basin faults and earthquake hazards.	Yes
Johnson, S. Y., Potter, C. J., Armentrout,	1994	Origin and evolution of the Seattle fault and Seattle	Te, Se, Ts	H	No	Location and structure of Seattle fault	Yes

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J. M.		basin, Washington: <i>Geology</i> , v. 22, p. 71-74.				and others in Puget Sound area.	
Johnson, S. Y., Potter, C. J., Armentrout, J. M., Miller, J.J., Finn, C., and Weaver, C.	1996	The southern Whidbey Island fault: An active structure in the Puget Lowland, Washington: <i>GSA Bulletin</i> , v. 108, no. 3, p. 334-354.	Te, Se	H	No	Location and structure of the south Whidbey Island fault and associated seismic hazard	Yes
Kitsap County Department of Community Development	2007	Kitsap County, Washington, Hydrology and Drift Cells.	Er	L	Yes	Generalized map of dirft cells, waterbodies, and watercourses.	Yes
Koshimura, S., and Mofjeld, H.	2000	Puget Sound tsunamis – A new partnership to model and map the hazards: National Oceanographic and Atmospheric Administration poster/website presentation https://nctr.pmel.noaa.gov/pugetsound/pre2/ https://nctr.pmel.noaa.gov/Pdf/ps_tsunamis.pdf .	Ts	H	No	Modeled tsunami wave patterns around Bainbridge Island from an earthquake on the Seattle fault. This preliminary model is not considered by authors to be adequate for planning.	Yes
Laprade, W.T.	1989	Building codes for construction on steep slopes in Western Washington: in Galster, R.W., Chairman, Engineering Geology in Washington, Volume I, Washington Division of Geology and Earth Resources Bulletin 78, p. 151-155.	Sl	L	No	Review of municipal codes for steep slopes.	Yes
Makdisi, F. I.; Bolton Seed, H.	1977	A Simplified Procedure for Estimating Earth-Induce Deformation in Dams and Embankments: Report No. UCB/EERC-77/19	Sl, Se	L	No	Background info on slope deformations under seismic conditions.	Yes
Manson, C.J.	2000	Bibliography and Index of the Geology of Kitsap County, Washington, Washington State Department of Natural Resources, Division of Geology and Earth Resources, Circuit Rider Program, 31 p.	Re	N/A	N/A	Bibliographic list of publications on geology, geologic hazards, and mineral resources of Kitsap County. Sorted by subject.	Yes
McCrink, Tim	2006	Seismic Slope Stability	Sl, Se	M	Yes	BAS review by others (CGS).	Yes
McKenna, J.P., Lidke, D.J., and Coe, J.A.	2008	Landslides mapped from LIDAR Imagery, Kitsap County, Washington: U.S. Geological Survey Open-File Report 2007-1292, 81 p.	Sl, To	H	Yes	Maps and describes deep-seated landslides, with interpretation of geologic units and area of slide	Yes
McLean, H.	1968	Petrography and sedimentology of the Blakeley Formation, Kitsap County, Washington: University of Washington Master of Science Thesis. P. 37-41, Figure 2.	Ge	L	No	General bedrock geologic information.	Partial
McLean, H.	1977	Lithofacies of the Blakeley Formation, Kitsap County, Washington: A submarine fan complex: The Society of Economic Paleontologists and Mineralogists, v. 47, no. 1, p. 78-88.	Ge	L	No	General bedrock geologic information.	Yes
McMurphy, C. J.	1980	Soil survey of Kitsap County area, Washington: U. S. Soil Conservation Service, 127 p., 31 plates. Web Soil Survey: https://websoilsurvey.nrcs.usda.gov/app/	Ge, Sl, Er	M	No	Surface soils maps and slope and agricultural classification. Available on Web as interactive map.	Yes
Menashe, E.	1993	Vegetative management: A guide for Puget Sound bluff property owners: Washington Department of Ecology, Publication 93-31, 46 p.	Sl, Er	M	No	Presents factors contributing to slope instability. Non-technical.	Yes
Mintz, D. W.; Babcock, R. S.; Terich, T. A.	1976	Potential land use problems of Puget Sound shore bluffs. Engineering Geologic Studies: Washington	Sl, Er	H	No	Describes mass movement and erosion processes on shoreline bluffs and general	Yes

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		Division of Geology and Earth Resources Information Circular 58, p. 21-33.				best practices for building on shoreline bluffs.	
Myers Biodynamics, Inc.	1993	Slope stabilization and erosion control using vegetation: A manual of practice for coastal property owners: Washington Department of Ecology Publication 93-30, 42 p.	Ge, Sl, Er	M	No	Non-technical description of slope and bluff erosion processes and mitigation techniques.	Yes
Myers Biodynamics, Inc. and Lorilla Engineering, Inc.	1995	Surface water and ground water on coastal bluffs: A guide for Puget Sound Property Owners: Washington Department of Ecology Publication 95-107, 64 p.	Ge, Sl, Er	M	No	Non-technical description of slope stability and drainage improvements.	Yes
Nelson, A. R., Johnson, S.Y., Wells, R.E., Pezzopane, S.K, Kelsey, H.M., Sherrod, B.L., Bradley, L.-A., Koehler III, R.D., Bucknam, R.C., Haugerud, R., and Laprade, W.T.	2002	Field and laboratory data from an earthquake history study of the Toe Jam Hill fault, Bainbridge Island, Washington: U.S. Geological Survey Open-File Report 02-60 (preliminary report) Introduction, Tables 1 and 2, Plates 1 and 2.	Ge, Te, Se	H	No	Data and cross-sections from fault study of the Toe Jam Hill strand of the Seattle fault. No conclusions presented in data report, but dates suggest multiple events of movement on this Seattle fault related structure since deglaciation.	Yes
Nelson, A. R.	2002	Personal communication to David H. McCormack, 5/24/02	Se, Te	H	No	Unpublished data suggest three or four episodes of significant movement on the Toe Jam strand of Seattle fault between 1,100 and 2,500 years ago. No evidence for movement on this strand from 2,500 to 12,000 years ago.	No
Nelson, A. R., Johnson, S. Y., Pezzopane, S. K., Wells, R. E., Kelsey, H. M., Sherrod, B. L., Koehler, R. D., Bradley, L. A., Bucknam, R. C., Laprade, W. T., Cox, J. W., and Narwold, C. F.	2000	Postglacial and late Holocene earthquakes on the Toe Jam strand of the Seattle fault, Bainbridge Island, Washington [Abstract]: <i>Geological Society of America Abstracts with Program</i> , Cordilleran Section Meeting, Vancouver, BC, 27-29 April 2000, v. 32, p. A-58.	Se, Te	H	No	Preliminary results from Toe Jam fault trenching suggesting movement between 1.1 ka and less than 3 ka. Suggests no evidence of surface-deforming earthquakes between period as long a that between 2ka and 16 ka.	Yes
Nelson, A. R., Pezzopane, S. K., Bucknam, R. C., Koehler, R. D., Narwold, C. F., Kelsey, H. M., Laprade, W. T., Wells, R. E., And Johnson, S. Y.	2000	Holocene surface faulting in the Seattle fault zone, Bainbridge Island, Washington [Abstract]: <i>Seismological Research Letters</i> , v. 70., no. 2, p 233.	Se, Te	H	No	Preliminary results from trenching of Toe Jam fault. Results indicate folding older than 6,700 years ago with movement about 3,000 to 4,000 years ago and surficial rupture 1,100 years ago.	Yes
Nelson, A.R, Johnson, S.Y., Kelsey, H.M., Sherrod, B.L., Wells, R.E., Bradley, L.-A., Okumura, K., and Bogar, R.	2003	Late Holocene earthquakes on the Waterman Point reverse fault, another ALSM-discovered fault scarp in the Seattle fault zone, Puget Lowland, Washington: <i>Geological Society of America Abstracts with Program</i>	Te, Se	M	Yes	Abstract for a talk discussing a newly discovered fault scarp.	No
Nelson, A.R., Johnson, S.Y., Kelsey, H.M., Wells, R.E., Sherrod, B.L., Pezzopane, S.K., Bradley, L.-A., and Koehler, R.D., III	2003	Late Holocene earthquakes on the Toe Jam Hill fault, Seattle fault zone, Bainbridge Island, Washington: <i>Geological Society of America Bulletin</i> , v. 115, 1388-1403.	Te, Se	H	Yes	Discusses results of paleoseismic trenching at the Toe Jam Hill fault and radiocarbon chronology of past earthquakes on Bainbridge Island.	No?
Othberg, K. L.	1975	Geologic interpretive map showing areas of unstable slopes, Kitsap County, Washington: Washington	Ge, Sl, Er	M	No	Reported to be based on Deeter's (1979) geologic maps.	No

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		Division of Geology and Earth Resources Open-File Report 75-7, 11 sheets, scale 1:24,000.					
Palmer, S. P., Magsino, S. L., Bilderback, E. L., Poelstra, J. L., Folger, D. S., and Niggemann, R. A.	2004	Liquefaction Susceptibility Map of Kitsap County, Washington: Washington Division of Geology and Earth Resources Open File Report 2004-20, Liquefaction Susceptibility and Site Class Maps of Washington State, By County, Map 18A, Sheet 35 of 78, 1:100,000.	Li	H	Yes	Based on surficial geology published at a scale of 1:100,000 by Washington State DNR in 2001.	Yes
Pyke, Robert Ph.D., GE	2017	Pros and Cons of the Analysis of Slope Stability by Various Methods of Slices or Columns	Sl	L	Yes	Includes BAS review and guidance related to factor of safety selection within SSA.	Yes
Pyke, Robert Ph.D., GE	2017	Selection of Seismic Coefficients for Use in Pseudo-Static Slope Stability Analyses	Sl, Se	L	Yes	Guidance for seismic SSA related to pseudo-static coefficient selection.	Yes
Rogers, A. M., Walsh, T. J., Kockelman, W. J., and Priest, G. R., editors	1998	Assessing earthquake hazards and reducing risk in the Pacific Northwest. U. S. Geological Survey Professional Paper 1560, v. 2, p. 307-545.	Te, Li, Se, Ts	H	No	Volume containing multiple reports on earthquake hazards.	Yes
Salciarini, D., Conversini, P, Godt, J.W., Savage, W.Z., and Baum, R.L.	2008	Modeling Landslide Recurrence in Seattle, Washington, Engineering Geology, v. 102, no 3-4, p. 227-237.	Sl	H	Yes	Discusses results of a modeling method used to assess shallow landslide frequency in Seattle.	No
Sceva, J. E.	1957	Geology and ground-water resources of Kitsap County, Washington: U. S. Geological Survey Water Supply Paper 1413, 178 p., 3 plates.	Ge	L	No	General geologic information and geologic map.	Yes
Schuster, J. E.	2005	Geologic Map of Washington State: Washington Division of Geology and Earth Resources Geologic Map GM-53, 1:500,000.	Ge, Se	L	Yes	Generalized geology of Washington state.	Yes
Shipman, H.	2001	Coastal landsliding on Puget Sound: A review of landslides occurring between 1996 and 1999. Washington State Department of Ecology Report No. 01-06-019, 87 p.	Sl	M	No	Concludes that landslides in 1996-97 were mostly shallow or debris, due to intense storms; 1998-99 mostly deep seated, due to extended wet weather. Slides in both seasons occurred in repeated and predictable locations for those types.	Yes
Terich, T. A.	1987	<i>Living with the shore of Puget Sound and the Georgia Strait</i> : Duke University Press, 165 p.	Sl	M	No	Book about basic Puget Sound geology, coastal dynamics, and shoreline stabilization	No?
Thorsen, G.W.	1989	Landslide provinces in Washington. In Galster, R. W., Chairman. Engineering Geology in Washington. Division of Geology and Earth Resources, Washington Department of Natural Resources. Bulletin 78, v. 1, p. 71-89.	Sl	L	No	General presentation of landslide types in Washington and Puget Sound region.	Yes
Thorson, R. M.	1993	Postglacial offset along the Seattle fault: <i>Science</i> , v. 260, p. 825-826.	Te, Se	M	No	Uplift estimate from stratigraphic deposits.	Yes
Thorson, R. M.	1996	Earthquake recurrence and glacial loading in western	Se	M	No	Impact of glacial loading on earthquake	Yes

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		Washington: <i>Geological Society of America Bulletin</i> , v. 108, no. 9, p. 1182-1191.				recurrence.	
Tubbs, D.W.	1974	Landslides in Seattle. Division of Geology and Earth Resources, Washington Department of Natural Resources. Information Circular 52, 15p., 1 plate.	Sl	M	No	Geologic conditions in Seattle area leading to slope failures. Similar to some Bainbridge Island geologic conditions.	Yes
Waldron, H. H.	1967	Geologic map of the Duwamish Head quadrangle, King and Kitsap Counties, Washington: U. S. Geological Survey Geologic Quadrangle Map GQ-706, 1 sheet, scale 1:24,000.	Ge	L	No	Geologic map of eastern edge of southern end of island.	Yes
Washington State Department of Ecology	1979	Coastal zone atlas of Washington-, volume 10, Kitsap County: Washington Department of Ecology, 1 v., maps, scale 1:24,000: https://fortress.wa.gov/ecy/coastalatlas/tools/map.aspx?	Ge, Sl, Er	H	No	Coastal geology and slope stability map.	Web
Washington State Division of Geology and Earth Resources	2005	Kitsap County Washington Geologic Map Units: Washington State Department of Natural Resources, Division of Geology and Earth Resources Open File Report 2005-3, 1:100,000.	Ge	M	Yes	Generalized geology of Kitsap County.	Yes
Washington State Office of Community Development	2002	The Model Ordinance for Designating and Protecting Critical Areas – Draft April 2002	Ge, Sl, Te, Li, Er, Se, Ts, To	H	No	Draft model CA Ordinance. Substantial modification required for Bainbridge Island use.	Yes
Weaver, C. E.	1916	The Oligocene of Kitsap County, Washington: <i>Proceedings of the California Academy of Sciences, Fourth Series</i> , v. 6, no. 3, p. 41-52.	Ge	L	No	Bedrock geology	Yes
WSDOT	2013	Slope Stability Analysis: Chapter 7, WSDOT Geotechnical Design Manual M 46-03.08	Sl	H	Yes	Region-specific guidance and recommendations on minimum factors of safety for various types of structures and situations.	Yes
Yount, J. C., Gower, H. D.	1991	Bedrock geologic mapping of the Seattle 30' by 60' quadrangle, Washington.: U. S. Geological Survey Open-File Report 91-147. 28 p.	Ge	M	No	Map of bedrock outcrop and unit type.	Yes
Yount, J. C.; Minard, J. P.; Dembroff, G. R.	1993	Geologic map of surficial deposits in the Seattle 30' x 60' quadrangle, Washington: U. S. Geological Survey Open-File Report 93-233, 2 sheets, scale 1:100,000.	Ge	M	No	Geologic map of surficial deposits.	Yes

Notes:

¹ Ge = Geology Er = Erosion Re = Reference
Sl = Slope Stability Se = Seismic
Te = Tectonic Ts = Tsunami
Li = Liquefaction To = Topography

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