



Appendix D.2

Comprehensive Plan Maps: Definitions and Citations

DISCLAIMER

This critical area map series is intended for general critical area planning. These maps are schematic representations of physical features, infrastructure, and landownership boundaries. The map information was derived from available public records and existing sources, not from surveys. Studies may be necessary with project review to verify information.

DEFINITIONS

Map	Additional Information
Hydric Soils and Delineated Wetlands	Delineated Wetland: Wetland data from the Department of Natural Resources, National Wetland Inventory and Kitsap County Surveys including Marsh's, Wetlands, Swamps and Bogs.
Hydric Soils and Delineated Wetlands	Hydric Soils: Soils in the DNR /S CS survey area. Hydric soils include Bellingham silty clay loam, McKenna gravelly loam, Mukilteo peat, Norma fine sandy loam, Semiahmoo muck, Shalcar muck, Shelton-McKenna complex, 0-10 percent slopes and Tacoma silt loam
Potential Geological Hazard Areas	<p><i>High Geological Hazard Areas:</i></p> <p>Areas of HIGH EROSION HAZARD:</p> <ol style="list-style-type: none"> a. Channel Migration Zones, as mapped by the Washington Department of Ecology. b. Coastal erosion with a sediment source rating value of 0.6 to 1.0, per the Prioritization Analysis of Sediment Sources in Kitsap County. <p>Areas of HIGH LANDSLIDE HAZARD:</p> <ol style="list-style-type: none"> a. Shallow landslide areas with Factor or Safety (FS) of 0.5 to 1.5. FS is a method (Harp, 2006) for slope stability based on the angle. of the slope from LiDAR elevation data and strength parameters. b. Areas with slopes greater to or equal to 30 percent in grade and deemed by a qualified geologist or geotechnical engineer to meet the criteria of U, UOS, or UR S. c. All deep-seated landslides areas. Areas of high seismic hazard are those areas with faults that have evidence of rupture at the ground surface.
Potential Geological Hazard Areas	<p><i>Moderate Geological Hazard Areas:</i></p> <p>MODERATE EROSION HAZARD AREA:</p> <ol style="list-style-type: none"> a. Areas identified as geologically hazardous for soil erosion. (soil type and slope grade) by NRCS Kitsap County Soil Survey. b. Slopes 15 percent or greater, not classified as I, U, UOS, or UR S with soils classified by the U.S. Department of Agriculture NRCS as “highly erodible” or “potentially highly erodible”. c. Coastal erosion with a sediment source rating value of 0.3 to 0.6 per the Prioritization Analysis of Sediment Sources in Kitsap County. <p>Areas of MODERATE LANDSLIDE AREA:</p> <ol style="list-style-type: none"> a. Shallow landslide areas with FS of 1.5 to 2.5 b. Slopes of 15 percent or greater and not classified as I, U, UOS, or UR S, with soils classified by the U.S. Department of Agriculture NR CS as “highly erodible” or “potentially highly erodible”; or slopes of 15 percent or greater with springs or groundwater seepage. c. Slopes in all areas equal to or greater than 40 percent. <p>Areas of MODERATE SEISMIC HAZARD:</p> <ol style="list-style-type: none"> a. Areas susceptible to seismically induced soil liquefaction, such as hydric soils as identified by the NRCS, and areas that. have been filled to make a site more suitable for development. This may include former wetlands that have been covered with fill. b. Areas identified as Seismic Site Class D, E, and F. c. Faults without recognized evidence of rupture at the ground surface.

CITATIONS

Cite: Creator (Date). Title. Publisher. Identifier	Map with Data
Kitsap County Open Data Site: Five-foot LiDAR Topographic Lines (Updated as needed), Vector Digital Data, (Kitsap County IT, GIS Division), https://www.kitsapgov.com/dis/Pages/resources.aspx	All Maps
Kitsap County Open Data Site: Parcels/City Limits/Urban Growth Area, Shapefile Digital Data, (Kitsap County IT, GIS Division), https://www.kitsapgov.com/dis/Pages/resources.aspx	All Maps
Welch, W.B., Frans, L.M., and Olsen, T.D., 2014, Hydrogeologic frame work, groundwater movement, and water budget of the Kitsap Peninsula, west-central Washington: U.S. Geological Survey Scientific Investigations Report 2014-5106,44p., http://dx.doi.org/10.3133/sir20145106 . Prepared in cooperation with the Kitsap Public Utility District.	Aquifers
U.S. Department of Agriculture, Natural Resources Conservation Service (20220908), Soil Survey Geographic (SSURGO) database for Kitsap County Area, Washington. Fort Worth, Texas U.S. Department of Agriculture, Natural Resources Conservation Service. wa635 https://websoilsurvey.sc.egov.usda.gov/	Critical Areas, Potential Geological Hazard Areas, Hydric Soils and Delineated Wetlands, Aquifers
Washington State Department of Fisheries, Habitat Management Division (1992) Technical Report 79 (Revised) - Salmon, Marine Fish, and Shellfish Resources and Associated Fisheries in Washington's Coastal and Inland Marine. Preparation of this report was partially funded by the Pacific Outer Continental Shelf Region of the Minerals Management Service, US Department of the Interior, Washington DC, under Contract No. 88-048 with the Pacific States Marine Fisheries Commission.	Fish and Wildlife habitat conservation Areas
Stephen Palmer, Washington State Department of Natural Resources, Division of Geology and Earth Resources (June 2010) liquefaction susceptibility (Version 2.0, vector digital data), Open File Report 2004-20 Olympia, Washington. Washington Division of Geology and Earth Resources. Palmer, Stephen P.; Magsino, Sammantha L.; Bilderback, Eric L.; Poelstra, James L.; Folger, Derek S.; Niggemann, Rebecca A., 2007, Liquefaction susceptibility and site class maps of Washington State, by county: Washington Division of Geology and Earth Resources Open File Report 2004-20, [78 plates, 45 p. text]. http://www.dnr.wa.gov/ResearchScience/Topics/GeosciencesData/Pages/gis_data.aspx	Liquefaction Susceptibility
Jeschke, D. A.; Eungard, D. W.; Troost, K. G.; Wisher, A. P, 2023, Subsurface database of Washington State GIS data: Washington Geological Survey Digital Data Series 11, version 2.2, previously released February 2019. https://fortress.wa.gov/dnr/geologydata/publications/data_download/ger_portal_subsurface_database.zip	Aquifers
Washington State Department of Ecology, National hydrography Dataset for Washington (NHD 24K – 4K) (July 2021), GIS data open site, https://ecology.wa.gov/research-data/data-resources/geographic-information-systems-gis/data AND/OR U.S. Geological Survey, National Geospatial Program (20190326), Hydrography, vector digital data, Reston, VA, U.S. Geological Survey, ftp://rockyftp.cr.usgs.gov/vdelivery/Datasets/Staged/Hydrography/NHD/State/HighResolution/GDB/NHD_H_Washington_State_GDB.zip	Fish and Wildlife Habitat Conservation Areas, Critical Areas
Washington State Department of Transportation (WSDOT), Functional Street Classifications, Shapefile from WSDOT Open Data Site. https://gisdata-wsdot.opendata.arcgis.com/	Functional Street Classifications and Street Typology
<i>Some additional data compiled and mapped using City of Poulsbo surveys and resources.</i>	