

# KITSAP COUNTY

## Washington

### Aquifer Recharge Areas

**A. Category I: Critical Aquifer Recharge Areas.**  
 1. The following general criterion is established to designate Critical Aquifer Recharge Areas:  
 Wellhead Protection Zones around Group A Water System supply wells:  
 a. Areas inside the one year time of travel zone for Group A Water System wells, calculated in accordance with the Washington State Well Head Protection Program.  
 b. Five year time of travel zones in Wellhead Protection Areas are included as critical aquifer recharge areas under the following condition: The five year time of travel zone is included when the well draws it water from an aquifer that is at or above sea level and is overlain by permeable soils listed in Section 18.16.610.B.a without an underlying protective impermeable layer (see below).  
 2. The following has been designated a critical aquifer recharge area due to special circumstances:  
 Hansville Aquifer Recharge Area:  
 The Hansville Aquifer Recharge Area has been designated as a Critical Recharge Area under the County's SEPA Ordinance. The Hansville Aquifer Recharge Area is a significant potable water supply that has been deemed to be highly susceptible to the introduction of pollutants.  
 In the future, additional areas such as the 10 year time of travel zones for wells or other Aquifer Recharge Areas of Concern, as identified through the County Groundwater Management Plan, Well Head Protection Analysis or other studies which identify areas of special circumstances, will be considered for designation as Critical Aquifer Recharge Areas.














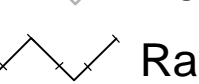


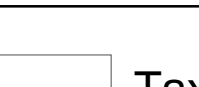

**B. Category II: Aquifer Recharge Areas of Concern.** Areas which provide recharge to aquifers that provide current or potential potable water supplies and are vulnerable to contamination, and meet any one of the following General Criteria:  
 1. Highly Permeable Soils:  
 Locations where surface soil layers are highly permeable: Soils that have relatively high permeability high infiltration potential may provide for groundwater recharge, but also may enhance transfer of contaminants from the surface to ground water. For these reasons the locations where surface soils are highly permeable are considered Aquifer Recharge Areas of Concern.  
 The general location and characteristics of soils in Kitsap County is given in the Soil Survey of Kitsap County by the US Department of Agriculture, Natural Resources Conservation Service (SCS). The soil survey information is available on the Kitsap County Geographic Information System (GIS). The following soil types are considered to have relatively high permeability and are Aquifer Recharge Areas of Concern. The following soils have relatively high infiltration:  
 SCS Soil Name SCS Soil Map Units  
 Grove 11, 12, 13  
 Indianola 18, 19, 20, 21  
 Neilton 34, 35, 36  
 Norma 37, 38  
 Poulsbo/Ragnar 41, 42, 43, 44, 45, 46, 47  
 2. Areas above Shallow Principal Aquifers:  
 Surface areas above shallow, principal aquifer(s) (see Appendix F, Section 800) which are not separated from the underlying aquifers by an impermeable layer that provides adequate protection to preclude the proposed land use from contaminating the shallow aquifer(s) below, are considered Aquifer Recharge Areas of Concern. This generally includes principal aquifers in subsurface hydro geologic units Og1, Og1a, Og2 and portions of Og3 that are within 300 feet of the ground surface.  
 3. Areas with high concentration of Group B Water System Well and private domestic wells: Locations with well concentrations of 36 map units or more within a one-half mile radius of the proposed land use are considered Aquifer Recharge Areas of Concern.

JEFFERSON COUNTY

MASON COUNTY

PIERCE COUNTY

**Legend**

 Aquifer Recharge Areas of Concern	 Highly Permeable Soils	<b>Arterial Type</b>
 10 year Well Head Protection Zones	 5 year Well Head Protection Zones	 State Highway
 1 year Well Head Protection Zones	 National Wetland Inventory	 Principal Arterial
 Tidelands	 Open Salt Water	 Major Arterial
 Open Fresh Water	 Incorporated Cities	 Major Collector
	 Tax Parcel	 Collectors
		 Neighborhood Roads
		 Railroad Line

Scale of Miles  
 0 1 2 Miles

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 Product of Kitsap County Geographic Information System

