

SHORELINE AREA (Reach Code): SQUALICUM 11

REACH NUMBER: 11

Land Use	Current Land Use	Agriculture, fallow fields, undeveloped open space (Ref# 8,37,71)
	Zoning	11.9 acres industrial, 10.9 acres residential (Ref# 54,104)
Potential Species Present	Wildlife species	In 80% of the reach: presence of garter snakes and lizards with denning habitat; a variety of non-urban mammals, no habitat specific species present; a variety of non-urban birds dominate, including habitat specific species; and salamanders or newts and frogs. Movement is possible for all sizes of animals, including amphibians, in 80% of the reach. (Ref# 61,69,70,105)
	Fish species	Chinook, Coho, Sea-run Cutthroat, Steelhead. Presumed for Bull trout and Chum (Ref# 69,70,94,105)
	PHS species/habitat	80% of the reach has habitat for breeding and/ or rearing use by PHS or SC. (Ref# 24,92,93,105)
	TSE species	Bull trout (FT), Chinook (FT & SC), Coho (FCo), and Cutthroat (FCo). (Ref# 92,93,105)
	Invasive wildlife/fish species	No data
Physical Environment	Acres of land in reach	22.8 acres total with 22.2 acres of land and 0.4 acres of water (Ref# 13)
	Aquatic vegetation	No data
	Slope	Generally flat with slope class 2-5%. Some narrow bands of steeper slope areas adjacent to creek in some areas. Steep ridge along northern boundary of valley and SMA, slope classes 20-35% and 50-70%. (Ref# 21)
	Buildings	10 covering 0.37 acres total (Ref# 16)
	Culverts/stormwater utilities	May be culvert with bridge at Bakerview Road. Sewer mains and storm drains along Bakerview Road. No stormwater discharge points are indicated, however based on existing drain lines, one is possible at Bakerview Road. (Ref# 39,40,41,42)
	Geology	Northern portion of reach is glaciomarine drift and southern portion is continental glacial outwash. Small areas of Seismic Hazard Area (geologic units) and Landslide Hazard Area on 15-35% or greater slopes indicated along the northern edge of the reach. (Ref# 21,103)
	Tributary creeks	None indicated (Ref# 8,57,59,71)
	Wetlands	(Ref# 11,52)
	Impervious surface	70% semi-pervious, 24% pervious, 6% impervious (Ref# 12)
	Invasive plant species	No data
	Roads/transportation	Bakerview Road lower terminus of reach. Only other road is a residential access road at end of reach. Total of 0.2 miles or 0.2 acres of roads. (Ref# 14,35,36,44,45,46)
	Soils	The very northern portion of the reach has hydric soils, very low filtration/higher runoff potential (Hydrologic soil Group D). The southern portion of the reach has high filtration/low runoff soils (Group A). (Ref# 51,63)
	Topography	140' to 220' range; 155' mean. (Ref# 47)
	FEMA	13.6 acres in 100 year floodplain, 2.9 acres in the floodway (Ref# 19)
	Terrestrial Vegetation	Vegetation is mixed along the creek corridor. Some areas have tree canopy, others have scattered trees and shrubs. Because the area is still dominated by agricultural use, much of the area is pasture – both fallow and active for hay or other crops. 82% of reach is indicated as diverse multi-structured native habitat of high quality (Nahkeeta data – number appears to be very high for this reach). (Ref# 8,20,71)
R	DOE 303(d)	Category 5 Polluted Water listed for fecal coliform, temperature and dissolved

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		oxygen. Category 2 Water of Concern listed for pH. (Ref# 83,89)
	Channel confinement	Moderately confined (Ref# 22,23)
	Channel gradient	<1% (Ref# 22,23)
	Channel migration zone	Some migration may be available (Ref# 22,23,94)
	Creosote structures	No data
	Fish passage blockages	None indicated (Ref# 15,94)
	In-water structures	Unknown crossing at Bakerview, bridge with out culvert? (Ref# 8,18,43,71)
	LWD presence	Incomplete data, however, very little available in the system (Ref# 71)
	Non-point source pollution	No data
	Point source pollution	No data
	Riffle/pool analysis	No data
	Aquatic substrate type	No data
	Toxic sites/land fills	None indicated (Ref# 80)
Historic & Cultural	Historic aerials	No data
	Archeological sites	No data
	Historic sites	None indicated (Ref# 77)
	Parks & public access	No public access (Ref# 33,34,36,48,54)
Function Analysis	<p>Reach Function</p> <ul style="list-style-type: none"> Hydrologic Shoreline Vegetation Habitat <p>Limiting Factors</p> <p>Functions</p> <ul style="list-style-type: none"> Sustainable Not Sustainable <p>Priority Actions</p> <p>Current Enhancement Projects</p> <p>Preservation/Enhancement Opportunities</p>	<p>Unimpaired.</p> <p>Impaired. Vegetation quality and canopy cover</p> <p>Terrestrial: impaired.</p> <p>Stream: slightly impaired.</p> <ul style="list-style-type: none"> Zoning, current land use Water quality <p>All three function sustainable with improvements.</p> <p>None.</p> <ul style="list-style-type: none"> Re-vegetate buffer, canopy cover Water quality improvement <p>None are recorded for this reach</p> <ul style="list-style-type: none"> Maximum buffer retention Enhancement of shoreline vegetation <p>(Ref# 4,24,61,69,70,71,75,89 for above)</p>