

**SHORELINE AREA (Reach Code): WHATCOM 7**

**REACH NUMBER: 18**

Land Use	Current Land Use	Whatcom Falls park and fish hatchery. (Ref# 8,37,71)
	Zoning	34.8 acres public (Ref# 54,104)
Potential Species Present	Wildlife species	In 90% of the reach: presence of a variety of non-urban mammals, including habitat specific species ; a variety of non-urban birds dominate, including habitat specific species, a variety of native amphibians, and an abundance of garter snakes and lizards and denning habitat. Movement possible for all animals including amphibians in 90% of the reach. (Ref# 61,69,70,105)
	Fish species	Resident Cutthroat trout (Ref# 69,70,94,105)
	PHS species/habitats	90% of the reach has habitat for breeding/rearing/wintering use by multiple PHS or SC. (Ref# 92,93,105)
	TSE species	Cutthroat trout (FCo) (Ref# 92,93,105)
	Invasive wildlife/fish species	No data
Physical Environment	Acres of land in reach	34.8 acres total with 32.1 acres of land and 2.7 acres of water (Ref# 13)
	Aquatic vegetation	No data
	Slope	The reach is located in an incised steep channel that is narrow in some areas and wider in others. The wider areas along the creek have gentle slope classes, 2-5%. The steep sides of the ravine have slope classes ranging from 20-35% up to 50-70%. (Ref# 21)
	Buildings	Four covering 0.12 acres total (Ref# 16)
	Culverts/stormwater utilities	Two culverts located mid reach. Two stormwater discharge points, one storm drain line, and two sewer mains pass are located in the reach. (Ref# 39,40,41,42)
	Geology	Continental sedimentary rock. Landslide Hazard Area on 15-35% or greater slopes (Ref# 21,103)
	Tributary creeks	One (Hanna Creek #15-18), which is regulated under COB Wetland and Stream Ordinance. (Ref# 8,57,59,71)
	Wetlands	(Ref# 11,52)
	Impervious surface	62% pervious, 32% semi, 7% impervious (Ref# 12)
	Invasive plant species	No data
	Roads/transportation	Internal park roads along southern portion of reach. Total of 0.3 miles or 0.7 acres of roads. (Ref# 14,35,36,44,45,46)
	Soils	Soils are moderate filtration/runoff potential (Hydrologic soil Group B). (Ref# 51,63)
	Topography	177' to 364' range; 269' mean. (Ref# 47)
	FEMA	12.8 acres in 100 year floodplain, none in the floodway. Floodplain restricted by topography. (Ref# 19)
	Terrestrial Vegetation	Majority is mix coniferous/deciduous forest. Some areas are maintained as grass park open space. Majority of reach dominated by a diverse multi-structured native habitat of high quality. Overstory is mature native forest with emergent trees. Some areas affected by pipeline fire (lower reach). (Ref# 8,20,71)
Riparian Function	DOE 303(d)	Category 5 Polluted Waters listed for dissolved oxygen, fecal coliform, and temperature. Category 2 Water of concern for pH and bio-assessment (biological degradation based in invertebrates). TMDL for fecal coliform. (Ref# 56,85,89)
	Channel confinement	Lower most: confined; unconfined; confined (Ref# 22,23)
	Channel gradient	Lower most: 1-2%; <1%; 2-4%; 4-8%; upper most just below dam 1-2% (Ref# 22,23)
	Channel migration zone	No data
	Creosote structures	No data

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	Fish passage blockages	Dam located at upper terminus of reach (Ref# 15,94)
	In-water structures	Dam located at upper terminus of reach. Two foot bridges (one is the dam). (Ref# 8,18,43,71)
	LWD presence	Incomplete data
	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	Just outside of SMA: Olympic Pipeline, 3201 Arbor Ct – petroleum products (Ref# 80)
Historic & Cultural	Historic aerials	No data
	Archeological sites	No data
	Historic sites	None indicated (Ref# 77)
	Parks & public access	3.1 acres of community park, 3.1 acres of neighborhood park. Part of Whatcom Falls Park. (Ref# 33,34,36,48,54)
Function Analysis	<b>Reach Function</b>	
	• Hydrologic	Unimpaired.
	• Shoreline Vegetation	Unimpaired.
	• Habitat	Unimpaired.
	<b>Limiting Factors</b>	Water quality
	<b>Functions</b>	
• Sustainable	All functions are sustainable	
• Not Sustainable	None. Hydrology- most likely can not be sustained beyond current condition.	
<b>Priority Actions</b>	<ul style="list-style-type: none"> <li>• Stormwater treatment and detention</li> <li>• Water quality improvement</li> </ul>	
<b>Current Enhancement Projects</b>	None are recorded for this reach	
<b>Preservation/Enhancement Opportunities</b>	Preservation of existing shoreline and riparian vegetation, and habitat (Ref# 24,61,69,70,71,89 for above)	