

SHORELINE AREA (Reach Code): Lake Padden 3

REACH NUMBER: 54

Land Use	Current Land Use	The reach is located in Lake Padden Park. Land use is high. The reach is dominated by lawn with parking areas, trails, and picnicking areas. (Ref# 8,37,71)
	Zoning	10.3 acres public, 6.5 acres water (Ref# 54,104)
Potential Species Present	Wildlife species	Documented nesting territory for Bald Eagle. Nearly 100% of the reach has an abundance of garter snakes and lizards present with denning habitat, a variety of non-urban mammals and birds present including habitat specific species, and a variety of native amphibians present. Movement is possible for all sizes of animals, including amphibians, throughout the entire reach. (Ref# 61,69,70,105)
	Fish species	Resident cutthroat trout (Ref# 69,70,94,105)
	PHS species/habitat	Breeding/ rearing/ wintering habitat is present for use by multiple PHS or SC. Lake fringe wetlands are indicated at the shoreline. (Ref# 24,92,93,105)
	TSE species	Bald eagle (FT) and cutthroat trout (FCo). (Ref# 92,93,105)
	Invasive wildlife/fish species	No data
Physical Environment	Acres of land in reach	16.8 acres total with 10.3 acres of land and 6.5 acres of water (Ref# 13)
	Aquatic vegetation	Common elodea, big-leaf pondweed, curly leaf pondweed, tapegrass (non-native), spatterdock, Chara. (Ref# 100)
	Slope	Slope class for the majority of the reach is 0 to 5%, with small areas of 20 to 34%. (Ref# 21)
	Buildings	4 park buildings covering 0.08 total acres (Ref# 16)
	Culverts/stormwater utilities	None indicated (Ref# 39,40,41,42)
	Geology	Continental glacial drift (Ref# 21,103)
	Tributary Creeks	None indicated (Ref# 8,57,59,71)
	Wetlands	Lake fringe wetlands are indicated at the shoreline.(Ref# 11,52)
	Impervious surface	57% pervious, 31% semi-pervious, 11% impervious (Ref# 12)
	Invasive plant species	Reed canary grass and Himalayan blackberry (Ref# 100)
	Roads/transportation	0.2 miles or 0.2 acres of roads. Major roads: None. Secondary roads: Lakeshore Road and small access road in the park. (Ref# 14,35,36,44,45,46)
	Soils	Infiltration rates: 10.9 acres very slow with high runoff potential (Hydrologic soil Group D). Erosion potential: 10.9 acres slight risk, 5.9 acres severe risk. (Ref# 51,63)
	Topography	457' to 482' range; 460' mean. (Ref# 47)
	FEMA	6.6 acres in 100 year floodplain, none in floodway (Ref# 19)
	Terrestrial Vegetation	Low vegetation cover. Approximately 65% of this reach is maintained as a mowed lawn. Areas of mature native forest with emergent trees, and a high quality native plant community are also present within the reach. (Ref# 8,20,71)
Lacustrine Function	Alluvial fans	None identified (Ref# 8,71)
	Aquatic substrate type	No data
	In-water structures	None identified (Ref# 8,18,71)
	Bulkheads	None identified (Ref# 8,18,71)
	DOE 303(d)	Category 5 Polluted waters listed for pentachlorophenol, Category 2 water of concern for temperature and pH (one excursion of each in 2001). (Ref# 89)
	Toxic sites/land fills	None indicated (Ref# 80)
	Invasive plant cover	No data
	Bathymetry	No data

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Historic & Cultural	Historic aerials	No data
	Archeological sites	No data
	Historic sites	None indicated (Ref# 77)
	Parks & public access	The entire reach is within a public park. (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 Action</p> <p>Current Enhancement Projects</p> <p>Preservation/Enhancement Opportunities</p>	<p>No indication of significant hydrologic impairment. Lake level controlled by weir at outlet.</p> <p>Impaired by park lawn and active park recreation. Riparian vegetation present, but is restricted in size and diversity.</p> <p>Impaired due to park recreational development and reduced habitat structure.</p> <ul style="list-style-type: none"> Water quality (pentachlorophenol) Habitat impairment – reduced structure and species diversity in shoreline habitat. <p>Hydrology</p> <p>Shoreline vegetation and habitat, under current land management.</p> <ul style="list-style-type: none"> Enhancement of shoreline vegetation in areas with low recreational use. <p>None recorded for this reach.</p> <ul style="list-style-type: none"> Relocation of park trails away from the shoreline. Enhancement of shoreline vegetation in areas with low recreational use. Control of invasive, non-native vegetation. <p>(Ref# 24,61,69,70,71,89 for above)</p>