

SHORELINE AREA (Reach Code): WHATCOM 9

REACH NUMBER: 20

| | | |
|---------------------------|--------------------------------|--|
| Land Use | Current Land Use | Majority of the reach is in a public park. The east side of the reach is dominated by dwellings. (Ref# 8,37,71) |
| | Zoning | 20.6 acres public, 3.9 acres single family residential, 2.3 acres multi-family residential (Ref# 54,104) |
| Potential Species Present | Wildlife species | In 80% of the reach: presence of a variety of non-urban mammals present, 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 is possible for all animals including amphibians. Bald eagles have nested in the black cottonwood trees in this reach. (Ref# 61,69,70,105) |
| | Fish species | Resident cutthroat trout and Kokanee (Ref# 69,70,94,105) |
| | PHS species/habitat | Wetland priority habitat – east side of reach, including Scudder Pond. 80% of the reach has habitat for breeding/rearing/wintering use by multiple PHS or SC. (Ref# 24,92,93,105) |
| | TSE species | Cutthroat trout (FCo) and Bald eagles (FT). (Ref# 92,93,105) |
| | Invasive wildlife/fish species | No data |
| Physical Environment | Acres of land in reach | 26.8 acres total with 16.7 acres of land and 10.0 acres of water (Ref# 13) |
| | Aquatic vegetation | No data |
| | Slope | Dam at lower end of reach has caused creek to form a lagoon area. Slopes are gentle, slope classes 2-5% and 5-10%. Some steepness (20-35%) occurs at the lower extent of reach. (Ref# 21) |
| | Buildings | 15 covering 0.68 acres total (Ref# 16) |
| | Culverts/stormwater utilities | Four culverts – all associated with Scudder Pond and four stormwater discharge points – all associated with Scudder Pond. Sewer main along Electric Ave. (Ref# 39,40,41,42) |
| | Geology | Continental sedimentary rock (Ref# 21,103) |
| | Tributary creeks | None indicated (Ref# 8,57,59,71) |
| | Wetlands | (Ref# 11,52) |
| | Impervious surface | 46% pervious, 38% semi-pervious, 17% impervious (Ref# 12) |
| | Invasive plant species | Potential species include: Eurasian water milfoil, yellow flag iris, knotweed, reed canary grass, hairy willow herb, bittersweet nightshade, Traveler's Joy. (Ref# 100) |
| | Roads/transportation | Electric Ave, a major arterial is located along the upper terminus of the reach. A gravel foot path is located on the west side of the creek in the northern portion of the reach. Total of 0.2 acres or 0.5 acres of roads. (Ref# 14,35,36,44,45,46) |
| | Soils | Soils are moderate filtration/runoff potential (Hydrologic soil Group B). The northwest corner of the lagoon is mapped as hydric soils. (Ref# 51,63) |
| | Topography | 310' to 338' range; 316' mean. (Ref# 47) |
| | FEMA | 13.5 acres in 100 year floodplain, none in the floodway (Ref# 19) |
| | Terrestrial Vegetation | Outside of the residential area, the vegetation is dominated by mixed coniferous/deciduous forest, shrub wetland, and open water with emergent vegetation. Majority of reach is dominated by a diverse multi-structured native habitat of high quality. Overstory is mature native forest with emergent trees. (Ref# 8,20,71) |
| Riparian Function | DOE 303(d) | Category 5 Polluted Waters listed for dissolved oxygen, fecal coliform, and temperature. Category 4 Impaired waters for non-point pollution and invasive species (Eurasian water milfoil). Category 2 Water of Concern for pH and bio-assessment (biological degradation based in invertebrates). TDML for fecal coliform. (Ref# 56,85,89) |
| | Channel confinement | Lower to upper: unconfined; moderately confined; unconfined (Ref# 22,23) |

SHORELINE AREA (Reach Code): WHATCOM 9

REACH NUMBER: 20

| | | |
|---------------------|---|---|
| | Channel gradient | <1% (Ref# 22,23) |
| | Channel migration zone | No data |
| | Creosote structures | No data |
| | Fish passage blockages | Dam located at lower terminus (Ref# 15,94) |
| | In-water structures | Dam located at lower terminus, bridge at upper terminus (Electric Ave) (Ref# 8,18,43,71) |
| | LWD presence | Incomplete data |
| | Non-point source pollution | Category 4 Impaired waters for non-point pollution (Ref# 89) |
| | 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 | 4.6 acres of open space. Area located in Whatcom Falls Park area. Includes some foot trails. (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> <ul style="list-style-type: none"> Water quality Residential development Electric Avenue is a barrier to wildlife movement <p>Functions</p> <ul style="list-style-type: none"> Sustainable Not Sustainable <p>Priority Actions</p> <ul style="list-style-type: none"> Retain existing buffer distances Stormwater treatment and detention Water quality improvement <p>Current Enhancement Projects</p> <p>None are recorded for this reach</p> <p>Preservation/Enhancement Opportunities</p> <ul style="list-style-type: none"> Control of invasive, non-native species Retain existing habitat, and encourage enhancement of shoreline vegetation and habitat in residential areas. | <p>Altered by a control dam at the outfall of the lake</p> <p>Slightly impaired. Some invasive, non-native species are present.</p> <p>Moderately impaired. Increased residential development.</p> <p>All functions are sustainable with some improvements</p> <p>None. Hydrology- most likely can not be sustained beyond current condition.</p> <p>(Ref# 24,61,69,70,71,89,100 for above)</p> |