



VEGETATION PLANTING AND TREE MANAGEMENT IN SHORELINE SETBACK



Benefits of Shoreline Vegetation

- Providing organic inputs critical for aquatic life
- Providing food in the form of various insects and other detritus that feeds benthic macroinvertebrates
- Stabilizing banks, minimizing erosion, and reducing the occurrence of landslides
- Filtering and vegetative uptake of nutrients and pollutants from ground water and surface runoff
- Providing a source of large woody debris into the aquatic system
- Providing shade necessary to maintain the cool temperatures required by salmonids and other aquatic biota

Impacts of Lawn/Turf to Shoreline Ecology

Low permeability with Limited Value as Filter:

- Lawn areas about the same as till (i.e. very slow-draining)
- Shallow root system with limited effectiveness as filter for stormwater runoff to Lake

Limited habitat value:

- No nesting, no attraction for bugs, and no branches and overhanging vegetation providing organic inputs into the Lake

Impacts of Maintenance Practices:

- Watering
- Fertilizers
- Pesticides

Required Vegetation in Shoreline Setback with Development or Redevelopment

Standard Requirement: 10 ft wide landscape strip planted with native vegetation planting along 75% of the shoreline frontage, EXCEPT:

1. Multi-family - 15 ft. wide planting strip
 2. Water-dependent uses, such as marinas - landscaping strip provided outside of areas needed for direct water access
- May vary down by 5 ft. in width but total required landscape strip area must be met
 - Public access walkway may enter into vegetation area provided that total vegetation requirement is met
 - Native Plantings: 3 trees per 100 linear ft of shoreline, shrubs and ground cover
 - Alternative provisions are available to address special circumstances

Tree Management in Shoreline Setback

- Removal of Trees in Shoreline Setback: Requires 3 replacement trees for each 1 tree removed
- Alternative Replacement: 80 square feet of native shrubs and groundcover for each tree

Examples of Shoreline Vegetation



The Watershed Company



Berger Partnership



Waterfront Construction