

sandy loam on the surface of Test Holes 7 and 8 but the profile at Test Hole 6 is entirely historic fill. The lower, western mitigation area has more natural fine sandy loam soils throughout the profile as documented at Test Holes 1 and 3-5. Because the project proposes introduction of organic soil amenities, the soil conditions within the wetland will be improved and will provide a good planting medium into which the proposed plants can be easily installed. The area at Test Holes 3 and 5 is composed of forest with an understory of salmonberry and a sparse herbaceous understory due to the shading by the overstory vegetation. The forest at Test Hole 5 is being cleared to make way for the mitigation so that the new wetland will lie alongside the existing wetland. There will be no adverse impacts to wetland or stream as a result of clearing the forest because it is essentially a monotypic forest of red alder and salmonberry with very little diversity. The new wetland will have shrub diversity (4 species) as well as a planted understory of slough sedge that will increase the overall diversity of the existing system.

### Planting Specifications

The plants chosen for this mitigation plan are native to Kitsap County and have been chosen because they grow quickly and will provide good vegetative cover within 5 to 10 years. The plants shown on the planting design shall be obtained from local approved native plant nurseries and will be installed in clumps to emulate natural wetland and buffer conditions. The mitigation area planting plan shows typical clumps of shrub species to be installed within the created and enhanced areas of wetland with each clump containing up to 12 individuals of one species. The plants proposed for installation within the wetland mitigation area are presented in the following table, which includes the total number of each proposed species. Each plant shall be installed from one gallon size pots and should be at least 24 inches tall. In general, the plants will be installed at a spacing of 4.5 to 5 feet to encourage development of a thick shrub layer and to discourage the growth of non-native invasive species.

**Table 2-Created and Enhanced Wetland Plant List**

Symbol	Number	Common Name	Botanical Name	Size and Spacing
A	65	Red osier dogwood	<i>Cornus stolonifera</i>	1 gallon, 5' on center
B	52	Black twinberry	<i>Lonicera involucrata</i>	1 gallon, 5' on center
C	47	Pacific ninebark	<i>Physocarpus capitatus</i>	1 gallon, 5' on center
D	51	Western crabapple	<i>Malus fusca</i>	1 gallon, 5' on center
	50	Slough sedge	<i>Carex obnupta</i>	Scattered in wetland

The exposed soil on the created wetland slopes will be planted with a grass seed mix containing red top (*Agrostis alba*) and creeping red fescue (*Festuca rubra*) to establish cover. Because no planting is proposed within the narrow proposed buffer, the grass cover between the wood fence and wetland boundary will be allowed to grow and will not be mowed. Tree starts will be pulled from this narrow strip of upland to prevent them from becoming established and blocking views from other locations.