APPENDIX F.4 PLANT LISTS

Zone A: Area of the facility defined as the bottom of the facility to the designed high water mark. This area has moist to wet soils and plants located here shall be tolerant of mild inundation.

Zone B: Area of the facility defined as the side slopes from the designed high water line up to the edge of the facility. This area typically has dryer to moist soils, with the moist soils being located further down the side slopes. Plants here should be drought tolerant and help stabilize the slopes.

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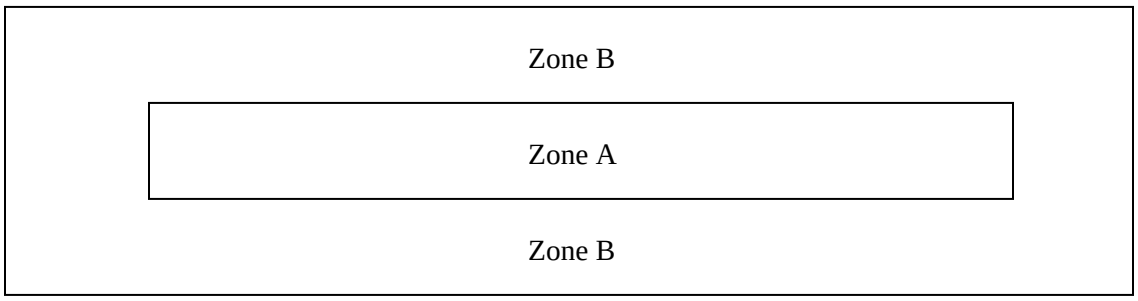
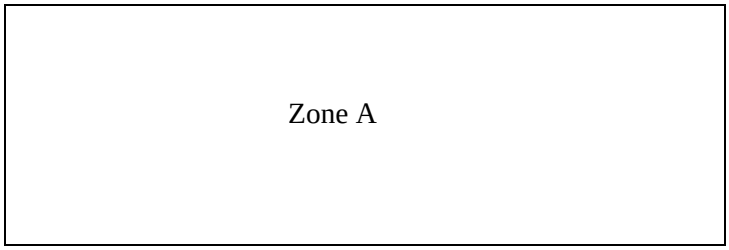
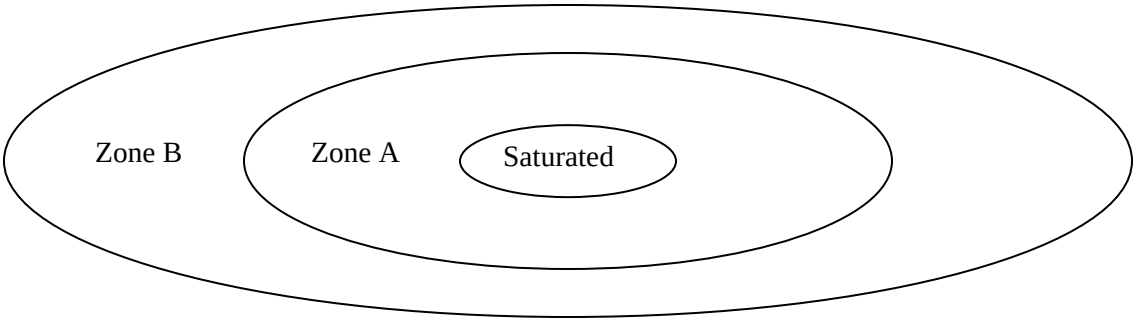
Swale Planting Zones



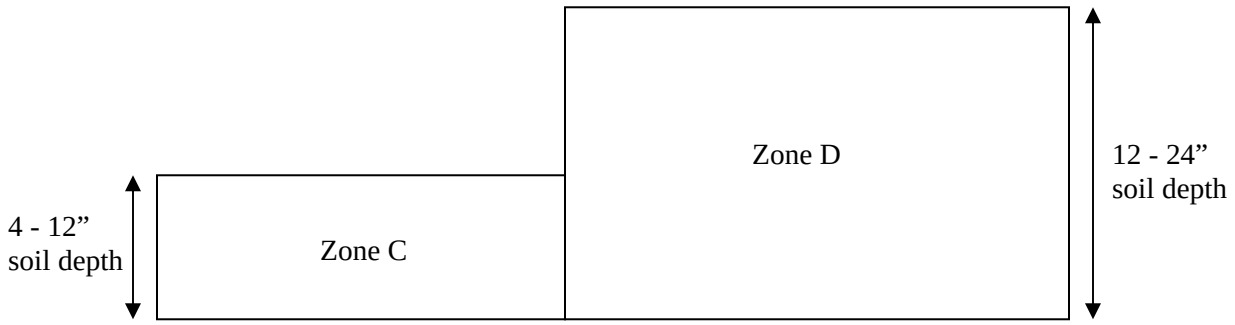
Planter Planting Zones



Basin Planting Zones



Ecoroof Planting Zones



Grassy Swale Native Seed Mix

Percentages are by weight:

Hordeum brachyantherum (Meadow Barley) = 25%
Danthonia californica (California Oat-grass) = 15%
Elymus glaucus (Blue Wild Rye) = 10%
Bromus carinatus (California Brome) = 10%
Festuca romerii (Roemer's fescue) = 10%
Deschampsia cespitosa (Tufted hairgrass) = 10%
Agrostis exarata (Spike bentgrass) = 10%
Alopecurus geniculatus (Water foxtail) = 5%
Deschampsia elongata (Slender hairgrass) = 5%

Facility Plant List

Plant Name		Proposed Facility Type						Characteristics			
		Private					Public				
Botanic name, Common Name	Zone	Swale	Planter	Basin	Dry Pond	Wet Pond	Basin	NW Native	Evergreen	Potential Hgt.	O.C. Spacing
Herbaceous Plants											
Aster suspicatus , Douglas' Aster	B	X		X				Y	N	36"	12"
Athyrium felix-femina, Lady Fern	B	X		X			X	Y	N	36"	24"
Blechnum spicant, Deer Fern	B	X		X			X	Y	N	24"	24"
Bromus carinatus, Califonia Brome Grass	A			X			X	Y	Y	18"	12"
Bromus sitchensis, Alaska Brome	A			X			X	Y	Y	18"	12"
Bromus vulgaris, Columbia Brome	A			X			X	Y	Y	18"	12"
Camassia leichtlinii , Camas Lily	A	X	X	X				Y	N	24"	12"
Camassia quamash , Common Camas	A/B	X	X	X			X	Y	N	24"	12"
Carex deweyanna, Dewey Sedge	A	X	X	X			X	Y	Y	36"	12"
Carex densa , Dense Sedge	A	X	X	X			X	Y	Y	24"	12"
Carex obnupta , Slough Sedge	A	X	X	X			X	Y	Y	4'	12"
Carex rupestris , Curly Sedge	A	X	X	X				N	Y	14"	12"
Carex stipata , Sawbeak Sedge	A	X	X	X				N	N	20"	12"
Carex testacea , New Zealand Orange Sedge	A	X	X	X			X	N	Y	24"	12"
Carex vesicaria, Inflated Sedge	A	X	X	X			X	Y	N	36"	12"
Deschampsia cespitosa , Tufted Hair Grass	A/B	X	X	X			X	Y	N	36"	12"
Eleocharis acicularis, Needle Spike Rush	A	X	X	X			X	Y	Y	30"	12"
Eleocharis ovata, Ovate Spike Rush	A	X	X	X			X	Y	Y	30"	12"
Eleocharis palustris , Creeping Spike Rush	A			X			X	Y	Y	30"	12"
Elymus glaucus, Blue Wild Rye	B	X		X			X	Y	Y	24"	12"

Facility Plant List

Plant Name		Proposed Facility Type						Characteristics			
		Private					Public				
Botanic name, Common Name	Zone	Swale	Planter	Basin	Dry Pond	Wet Pond	Basin	NW Native	Evergreen	Potential Hgt.	O.C. Spacing
Festuca occidentalis, Western Fescue Grass	A	X		X			X	Y	N	24"	12"
Festuca rubra, Red Fescue	B	X		X			X	Y	Y	24"	12"
Glycera occidentalis, Western Manna Grass	A			X			X	Y	Y	18"	12"
Hebe 'Autumn Glory' , Hebe	B	X		X				N	Y	14"	12"
Iris douglasiana, Douglas Iris	B	X		X			X	Y	N	18"	12"
Iris sibirica , Siberian Iris	A	X	X	X				N	N	36"	12"
Iris tenax , Oregon Iris	B	X		X			X	Y	N	18"	12"
Juncus balticus , Baltic Rush	A	X	X	X				N	N	20"	12"
Juncus effusus var. pacificus , Soft rush	A	X	X	X			X	Y	Y	36"	12"
Juncus ensifolius , Dagger-leaf Rush	A	X	X	X			X	N	N	10"	12"
Juncus patens , Spreading Rush	A	X	X	X			X	N	Y	36"	12"
Juncus tenuis, Slender Rush	A	X	X	X			X	Y	Y	36"	12"
Lupinus micranthus, Small Flowered Lupine	B	X		X			X	Y	N	18"	12"
Lupinus polyphyllus , Large-leaved Lupine	A/B	X		X				Y	N	36"	12"
Polypodium glycrrhiza , Licorice Fern	A	X	X	X				Y	Y	12"	12"
Polystichum munitum , Sword Fern	A/B	X		X			X	Y	Y	24"	24"
Pteridium aquilinum , Bracken Fern	B	X		X				Y	Y	5'	12"
Scriptus acutus , Hardstem Bulrush	A	X	X	X				N	N	10"	12"
Scriptus americanus, American Bulrush	A	X	X	X			X	Y	Y	30"	12"
Scriptus mIcrocarpus, Small Fruited Bulrush	A			X			X	Y	Y	24"	12"
Scriptus validus , Softstem Bulrush	A	X	X	X				N	N	5'	12"
Sedum oreganum , Oregon Stonecrop	B	X						Y	Y	4"	12"
Sisyrinchium californicum , Yellow-eyed Grass	A/B	X	X	X				N	Y	6"	12"

Facility Plant List

Plant Name		Proposed Facility Type						Characteristics			
		Private					Public				
Botanic name, Common Name	Zone	Swale	Planter	Basin	Dry Pond	Wet Pond	Basin	NW Native	Evergreen	Potential Hgt.	O.C. Spacing
Veronica liwanensis , Speedwell	A	X		X				N	N	2"	12"
Large Shrubs and Small Trees											
Acer circinatum , Vine Maple	A/B	X	X	X			X	Y	N	15'	10'
Amelanchier alnifolia , Western Serviceberry	B	X		X			X	Y	N	20'	10'
Ceanothus sanguineus, Oregon Redstem Ceanothus	B	X		X			X	Y	Y	7'	4'
Holodiscus discolor, Oceanspray	B	X		X			X	Y	N	6'	4'
Lonicera involucrata , Black Twinberry	B	X		X			X	Y	N	5'	4'
Oemleria cerasiformis, Indian Plum	B	X		X			X	Y	N	6'	4'
Philadelphu lewisii, Wild Mock Orange	B	X		X			X	Y	N	6'	4'
Ribes sanguineum , Red-Flowering Current	B	X		X			X	Y	N	8'	4'
Rubus parviflorus , Thimbleberry	B	X		X			X	Y	N	8'	4'
Rubus spectabilis , Salmonberry	A	X	X	X			X	Y	N	10'	4'
Salix fluviatalis, Columbia Willow	A/B	X	X	X			X	N	N	13'	6'
Salix lucida var. 'Lasiandra' , Pacific Willow	A	X	X	X			X	Y	N	13'	6'
Salix purpurea nana , Blue Arctic Willow	B	X		X				N	N	8'	6'
Salix stichensis , Sitka Willow	A	X	X	X			X	Y	N	20'	6'
Sambucus cerulea , Blue Elderberry	B	X		X			X	Y	N	10'	10'
Sambucus racemosa, Red Elderberry	B	X		X			X	Y	N	10'	10'
Spriaea douglasii , Douglas Spiraea	A/B	X	X	X			X	Y	N	7'	4'
Viburnum edule, Highbush Cranberry	A/B	X	X	X			X	Y	N	6'	4'

Facility Plant List

Plant Name		Proposed Facility Type						Characteristics			
		Private					Public				
Botanic name, Common Name	Zone	Swale	Planter	Basin	Dry Pond	Wet Pond	Basin	NW Native	Evergreen	Potential Hgt.	O.C. Spacing
Shrubs											
Ceanothus velutinus, Snowbrush	B	X		X			X	Y	Y	4'	3'
Cornus sericea , Red-twig Dogwood	A	X	X	X			X	Y	N	6'	4'
Cornus sericea 'Kelseyii', Kelsey Dogwood	B	X		X			X	N	N	24"	24"
Gaultheria shallon , Salal	B	X		X			X	Y	Y	24"	24"
Mahonia aquifolium , Oregon Grape	B	X		X			X	Y	Y	5'	3'
Mahonia nervosa , Dull Oregon Grape	B	X		X			X	Y	Y	24"	24"
Physocarpus capitatus , Pacific Ninebark	A/B	X	X	X				Y	N	10'	3'
Rosa gymnocarpa, Baldhip Rose	B	X		X			X	Y	N	3'	3'
Rosa nutkana , Nootka Rose	B	X		X			X	Y	N	8'	3'
Rosa pisocarpa , Swamp Rose	A/B	X	X	X			X	Y	N	8'	3'
Symphoricarpos alba , Common Snowberry	B	X		X			X	Y	N	6'	3'
Groundcovers											
Arctostaphylos uva-ursi , Kinnickinnick	B	X		X				Y	Y	6"	12"
Fragaria chiloensis , Coastal Strawberry	B	X		X				Y	Y	6"	12"
Fragaria vesca , Woodland Strawberry	B	X		X				N	Y	10"	12"
Fragaria virginiana , Wild Strawberry	B	X		X				N	Y	10"	12"
Helictotrichon sempervirens , Blue Oat Grass	B	X		X				N	Y	24"	12"
Mahonia repens Creeping Oregon Grape	B	X		X				Y	Y	12"	12"
Trees											
Abies grandis, Grand Fir	B			X			X	Y	Y	150'	

Facility Plant List

Plant Name		Proposed Facility Type						Characteristics			
		Private					Public				
Botanic name, Common Name	Zone	Swale	Planter	Basin	Dry Pond	Wet Pond	Basin	NW Native	Evergreen	Potential Hgt.	O.C. Spacing
Acer griseum , Paperbark Maple	B	X		X				N	N	30'	
Acer macrophyllum, Big Leaf Maple	B	X		X			X	Y	Y	60'	
Alnus rubra , Red Alder	A	X		X			X	Y	N	80'	
Arbutus menziesii, Madrone	B			X			X	Y	N	35'	
Crataegus douglasii , Black Hawthorn	A	X		X			X	Y	N	40'	10'
Fraxinus latifolia , Oregon Ash	A/B	X		X			X	Y	N	30'	
Malus fusca , Pacific Crabapple	A	X	X	X			X	Y	N	30'	10'
Metasequoia glyptostroboides , Dawn Redwood	B			X			X	N	N	80'	
Populus tremuloides , Quaking Aspen	A			X			X	Y	N	40'	
Prunus emarginata var. mollis, Bitter Cherry	A/B	X	X	X			X	Y	N	50'	
Pseudotsuga menziesii , Douglas Fir	B	X		X			X	Y	Y	200'	
Quercus garryana , Oregon White Oak	B	X		X			X	Y	N	100'	
Rhamnus purshiana , Cascara	A/B	X	X	X			X	Y	N	30'	
Salix hookeriana, Hooker's Willow	A/B	X	X	X			X	Y	N	15'	
Salix scouleriana, Scouler's Willow	A/B	X	X	X			X	Y	N	15'	
Thuja plicata , Western Red Cedar	A			X			X	Y	Y	150'	
Tsuga hetrophylla, Western Hemlock	A	X		X			X	Y	Y	125'	
Tsuga mertensiana , Mountain Hemlock	B	X		X			X	Y	Y	125'	

Ecoroof Plant List

Plant Name	Characteristics						
Botanic name, Common Name	Zone	NW Native	Evergreen	Potential Hgt.	O.C. Spacing	Full Sun	Partial Shade
Sedums and Succulents							
Delosperma ssp ., Ice Plant	C	N	Y	4"		X	
Malephora crocea var. purpureo crocea 'Tequila Sunrise', Coppery Mesemb	C	N	Y	10"		X	
Sedum 'Autumn Joy'	C	N	N	24"		X	
Sedum acre , Biting Stonecrop	C	N	Y	2"		X	
Sedum album , White Stonecrop	C	N	Y	3"		X	
Sedum divergens , Pacific Stonecrop	C	N	Y	3"		X	
Sedum hispanicum , Spanish Stonecrop	C	N	Y	3"		X	
Sedum kamtschaticum , Kirin-so	C	N	N	6"		X	
Sedum oreganum , Oregon Stonecrop	C	Y	Y	4"		X	X
Sedum sexangular , Tasteless Stonecrop	C	N	Y	4"		X	
Sedum spathulifolium , Stonecrop	C	Y	Y	4"		X	
Sedum spurium , Two-row Stonecrop	C	N	Y	6"		X	X
Sempervivum tectorum , Hens and Chicks	C	N	Y	6"		X	
Herbaceous Plants							
Achillea millefolium, Common Yarrow	C	N	N	36"		X	
Achillea tomentosa , Wooly Yarrow	C	N	N	8"		X	
Arenaria montana , Sandwort	C	N	N	4"		X	
Artemesia 'Silver Mound' , Artemesia	C	N	N	12"		X	
Aurinia saxatilis , 'Compacta'	C	N	N	6"		X	
Castilleja foliosa , Indian Paintbrush	C	Y	N	10"		X	

Ecoroof Plant List

Plant Name		Characteristics					
Botanic name, Common Name	Zone	NW Native	Evergreen	Potential Hgt.	O.C. Spacing	Full Sun	Partial Shade
Dianthus ssp.	C	N	N	12"		X	X
Erigeron discoideus, Fleabane	C	N	N	12"		X	X
Festuca glauca, Blue Fescue	C	N	Y	12"		X	X
Fragaria chiloensis, Coastal Strawberry	C	Y	Y	10"		X	X
Fragaria virginiana, Wild Strawberry	C	Y	Y	10"		X	X
Gaillardia aristata, Birds-eye gilia	C	N	N	20"		X	X
Gazania linearis 'CO Gold', Gazania	C	N	N	6"		X	
Gilia capitata, Blue Thimble Flower	C	Y	N	12"		X	
Koelaria macrantha, June Grass	C	N	N	24"		X	X
Linaria reticulate, Purplenet Toadflax	C	N	N	20"		X	
Lobularia maritima, Sweet Alyssum	C	N	N	12"		X	
Polypodium glycrrhiza, Licorice Fern	C	Y	Y	12"		X	X
Polystichum munitum, Sword Fern	C	Y	Y	24"		X	X
Potentilla nepalensis, Nepal Cinquefoil	C	N	N	14"		X	X
Potentilla neumanniana, Cinquefoil	C	N	N	14"		X	
Thymus serphyllum, Creeping Thyme	C	N	N	3"		X	
Veronica liwanensis, Speedwell	C	N	N	2"		X	X
Shrubs and Small Trees							
Amalanchier alnifolia, Saskatoon Serviceberry	D	Y	N	20'		X	
Berberis thunbergii, Japanese Barberry	D	N	N	4'		X	

Ecoroof Plant List

Plant Name		Characteristics					
Botanic name, Common Name	Zone	NW Native	Evergreen	Potential Hgt.	O.C. Spacing	Full Sun	Partial Shade
Gaultheria shallon, Salal	D	Y	Y	24"		X	X
Lavandula angustifolia 'Hidcote', Dwarf English Lavander	D	N	Y	30"		X	
Mahonia aquifolium, Oregon Grape	D	Y	Y	5'		X	X
Mahonia nervosa, Dull Oregon Grape	D	Y	Y	24"		X	X
Mahonia repens, Creeping Oregon Grape	D	Y	Y	12"		X	X
Nanadina domestica, Heavenly Bamboo	D	N	N	4'		X	X
Ribes sanguineum, Red-Flowering Current	D	Y	N	12'		X	X
Rosa nutkana, Nootka Rose	D	Y	N	10'		X	
Symphoricarpos mollis, Creeping Snowberry	D	Y	N	18"		X	X
Thymus vulgaris, Common Thyme	D	N	Y	12"		X	X

Pond Plant List

Plant Name	Planting Zone			Characteristics			
Botanic name, Common Name	Wet to Saturated	Moist to Dry	Dry/Upland	NW Native	Evergreen	Potential Hgt.	O.C. Spacing
Herbaceous Plants							
Alisma plantago-aquatica, Water Plantain	X			Y	N	24"	12"
Alopecurus geniculatus, Water Foxtail		X		Y	Y	18"	12"
Aster suspicatus , Douglas' Aster	X	X		Y	N	36"	12"
Bidens cernua, Nodding Beggerticks		X		Y	N	24"	12"
Blechnum spicant, Deer Fern	X	X		Y	N	24"	24"
Bromus sitchensis, Alaska Brome		X	X	Y	Y	18"	12"
Camassia quamash , Common Camas		X		Y	N	24"	12"
Carex deweyanna, Dewey Sedge	X	X		Y	Y	36"	12"
Carex obnupta , Slough Sedge	X			Y	Y	4'	12"
Deschampsia cespitosa , Tufted Hair Grass		X		Y	N	36"	12"
Eleocharis ovata, Ovate Spike Rush	X			Y	Y	30"	12"
Eleocharis palustris , Creeping Spike Rush	X			Y	Y	30"	12"
Elymus glaucus, Blue Wild Rye		X		Y	Y	24"	12"
Glycera occidentalis, Western Manna Grass	X	X		Y	Y	18"	12"
Lemna minor, Common Lesser Duckweed	X						
Juncus effusus var. pacificus , Soft rush	X	X		Y	Y	36"	12"
Juncus ensifolius , Dagger-leaf Rush	X	X		Y	Y	24"	12"
Juncus oxymeris, Pointed Rush	X	X		Y	Y	24"	12"

Pond Plant List

Plant Name	Planting Zone			Characteristics			
Botanic name, Common Name	Wet to Saturated	Moist to Dry	Dry/Upland	NW Native	Evergreen	Potential Hgt.	O.C. Spacing
Juncus patens , Spreading Rush	X	X		N	Y	36"	12"
Juncus tenuis, Slender Rush	X	X		Y	Y	36"	12"
Lupinus polyphyllus , Large-leaved Lupine		X		Y	N	36"	12"
Myosotis laxa, Small-flowered Forget-Me-Not	X			Y	N	18"	12"
Polystichum munitum , Sword Fern	X	X		Y	Y	24"	24"
Sagittaria latifolia, Wapato	X			Y	N	24"	12"
Potamogeton natans, Floating-leafed Pondweed	X			Y	Y	18"	12"
Scriptus acutus , Hardstem Bulrush	X			N	N	10"	12"
Scriptus mIcrocarpus, Small Fruited Bulrush		X		Y	Y	24"	12"
Sisyrinchium idahoense Blue-eyed Grass		X		N	Y	6"	12"
Sparganium emersum, Narrowleaf Bur-reed	X			Y	N	24"	12"
Veronica liwanensis , Speedwell	X	X		N	N	2"	12"
Viola palustris, Marsh Violet	X	X		Y	N	6"	6"
Large Shrubs and Small Trees							
Acer circinatum , Vine Maple	X	X		Y	N	15'	10'
Amelanchier alnifolia , Western Serviceberry			X	Y	N	20'	10'
Holodiscus discolor, Oceanspray			X	Y	N	6'	4'
Lonicera involucrata , Black Twinberry			X	Y	N	5'	4'
Oemleria cerasiformis, Indian Plum		X	X	Y	N	6'	4'
Philadelphu lewisii, Wild Mock Orange			X	Y	N	6'	4'

Pond Plant List

Plant Name	Planting Zone			Characteristics			
Botanic name, Common Name	Wet to Saturated	Moist to Dry	Dry/Upland	NW Native	Evergreen	Potential Hgt.	O.C. Spacing
Ribes sanguineum , Red-Flowering Current			X	Y	N	8'	4'
Rubus parviflorus , Thimbleberry		X		Y	N	8'	4'
Rubus spectabilis , Salmonberry	X	X		Y	N	10'	4'
Salix fluviatalis, Columbia Willow	X	X		N	N	13'	6'
Salix lucida var. 'Lasiandra' , Pacific Willow	X	X		Y	N	13'	6'
Salix stichensis , Sitka Willow	X	X		Y	N	20'	6'
Sambucus racemosa, Red Elderberry		X		Y	N	10'	10'
Spriaea douglasii , Douglas Spiraea		X		Y	N	7'	4'
Viburnum edule, Highbush Cranberry		X		Y	N	6'	4'
Shrubs							
Cornus sericea , Red-twig Dogwood	X	X		Y	N	6'	4'
Fragaria vesca , Woodland Strawberry		X	X	N	Y	10"	12"
Fragaria virginiana , Wild Strawberry		X	X	N	Y	10"	12"
Mahonia aquifolium , Oregon Grape		X	X	Y	Y	5'	3'
Mahonia nervosa , Dull Oregon Grape		X		Y	Y	24"	24"
Physocarpus capitatus , Pacific Ninebark	X			Y	N	6'	3'
Rosa gymnocarpa, Baldhip Rose	X			Y	N	3'	3'
Rosa nutkana , Nootka Rose		X		Y	N	8'	3'
Rosa pisocarpa , Swamp Rose	X			Y	N	8'	3'

Pond Plant List

Plant Name	Planting Zone			Characteristics			
Botanic name, Common Name	Wet to Saturated	Moist to Dry	Dry/Upland	NW Native	Evergreen	Potential Hgt.	O.C. Spacing
Spiraea betulifolia, Birchleaf Spiraea		X		Y	N	24"	24"
Symphoricarpus alba, Snowberry		X		Y	N	3'	3'
Trees							
Abies grandis, Grand Fir		X		Y	Y	150'	
Acer macrophyllum, Big Leaf Maple		X		Y	Y	60'	
Alnus rubra , Red Alder	X	X		Y	N	80'	
Arbutus menziesii, Madrone			X	Y	N	35'	
Cornus nuttalii, Western flowering Dogwood		X	X	Y	N	20'	
Crataegus douglasii , Black Hawthorn	X			Y	N	40'	
Fraxinus latifolia , Oregon Ash	X	X		Y	N	30'	
Malus fusca , Pacific Crabapple	X	X		Y	N	30'	
Pinus ponderosa, Ponderosa Pine			X	Y	Y	70'	
Pinus monticola, Western White Pine		X	X	Y	Y	90'	
Prunus emarginata var. mollis, Bitter Cherry	X			Y	N	50'	
Pseudotsuga menziesii , Douglas Fir		X		Y	Y	200'	
Quercus garryana , Oregon White Oak		X		Y	N	100'	
Rhamnus purshiana , Cascara	X			Y	N	30'	
Salix hookeriana, Hooker's Willow	X	X		Y	N	15'	
Salix scouleriana, Scouler's Willow	X	X		Y	N	15'	
Thuja plicata , Western Red Cedar	X	X		Y	Y	150'	