



Vegetation Unit Summaries for **Oaks Bottom Wildlife Refuge (OB)**

Report date: 7/29/2009

'*' = non-native invasive species

Visit data as of: 7/29/2009

Unit OB*003

Size: 1.57 Acres

NVCS Class: Forest

NVCS Subclass: Deciduous forest

NVCS Group: Cold-deciduous forest

NVCS SubGroup: Natural / Semi-natural

NVCS Ecological System: CES204.852 North Pacific Oak Woodland

Landform: Side-hill, Lower 3rd

Slope: Extremely Steep (over 30%)

Aspect: Southwest

Notes:

Visit date: 6/25/2003

Ecological Health: Poor.

% Tree canopy: 65%

% Non-Native Cover: not recorded

General Note:

Unit consists of a steep west facing slope.

Management Note:

Eco Note:

Restoration plantings in unit.

Primary Management concerns: Invasives, Litter, Homeless Camp, Informal Trails.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Quercus garryana (Oregon white oak)	20% to 50%	Y	20-30"		
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"	Y	
Dipsacus sylvestris (teasel)	1% to 10%				
Lapsana communis (common nipplewort)	1% to 10%				
Lathyrus polyphyllus (Pacific leafy peavine)	1% to 10%				
Mentha spicata (Spearmint)	1% to 10%				
Robinia pseudo-acacia (black locust)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Sambucus mexicana (blue elderberry)	1% to 10%				
Crataegus monogyna (European hawthorn)	trace				

Unit OB*004

Size: 4.62 Acres

NVCS Class: Herbaceous

NVCS Subclass: Perennial graminoid vegetation

NVCS Group: Temperate grassland with a sparse shrub layer

NVCS SubGroup: Natural / Semi-natural

NVCS Ecological System: unknown

Landform: Broad flat > 600'

Slope: Flat (0 to 5%)

Aspect: West

Notes:

Visit date: 6/25/2003

Ecological Health: Fair.

% Tree canopy: 5%

% Non-Native Cover: not recorded

Management Note:

Eco Note:

PSU bird study in progress.

Wetland indicators: Hydrophilic Vegetation, Water Marks.

Primary Management concerns: Invasives.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Agrostis gigantea (red top)	20% to 50%	Y			
Holcus lanatus (velvet grass)	20% to 50%	Y			
Vicia cracca (vetch)	10% to 20%				
Carex unilateris (one-sided sedge)	1% to 10%				
Crataegus monogyna (European hawthorn)	1% to 10%				
Mentha spicata (Spearmint)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Fraxinus latifolia (Oregon ash)	trace		0-5"		
Convolvulus arvensis (morning glory)	trace				
Phalaris arundinacea (reed canarygrass)	trace				
Polygonum sachalinense (giant Sakhalin knotweed)	trace				

Unit OB*007

Size: 1.18 Acres

NVCS Class: Herbaceous

NVCS Subclass: Perennial graminoid vegetation

NVCS Group: Temperate grassland with a sparse shrub layer

NVCS SubGroup: Natural / Semi-natural

NVCS Ecological System: unknown

Landform: Side-hill, Lower 3rd

Slope: Extremely Steep (over 30%)

Aspect: West

Notes:

Visit date: 6/25/2003

Ecological Health: Severely Degraded.

% Tree canopy: 5%

% Non-Native Cover: not recorded

General Note:

Units were badly disturbed with heavy invasives. Restoration plantings were in poor health.

Management Note:

Eco Note:

Primary Management concerns: Invasives, Litter, Hardscape Infrastructure, Homeless Camp.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Cytisus scoparius (Scot's broom)	20% to 50%	Y			

Dipsacus sylvestris (teasel)	20% to 50%	Y		
Rubus discolor (Himalayan blackberry)	20% to 50%	Y		
Vicia cracca (vetch)	1% to 10%			
Populus balsamifera ssp. trichocarpa (black cott)	trace		0-5"	Y
Daucus carota (Queen Anne's lace)	trace			

Unit OB*012

Size: 5.06 Acres

NVCS Class: Forest

NVCS Subclass: Deciduous forest

NVCS Group: Cold-deciduous forest

NVCS SubGroup: Natural / Semi-natural

NVCS Ecological System: CES204.869 North Pacific Lowland Riparian Forest and Shrubland

Landform: Side-hill, Lower 3rd

Slope: Steep (20 to 30%)

Aspect: West

Notes:

Visit date: 6/25/2003

Ecological Health: Fair.

% Tree canopy: 65%

% Non-Native Cover: not recorded

Management Note:

Eco Note:

Wetland indicators: Hydrophilic Vegetation, Surface Water, Water Marks, Saturated Soils, Standing Flowing Water.

Primary Management concerns: Invasives, Domestic Animals, Utility Infrastructure.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Populus balsamifera ssp. trichocarpa (black cott)	20% to 50%	Y	10-20"	Y	
Acer macrophyllum (bigleaf maple)	10% to 20%	Y	10-20"	Y	
Rubus discolor (Himalayan blackberry)	10% to 20%	Y			
Salix scouleriana (Scouler's willow)	10% to 20%	Y			
Hedera helix (English ivy)	10% to 20%				
Pseudotsuga menziesii (Douglas fir)	1% to 10%		5-10"		Y
Robinia pseudo-acacia (black locust)	1% to 10%		5-10"		
Thuja plicata (western red cedar)	1% to 10%		5-10"		Y
Clematis vitalba (clematis)	1% to 10%				
Cornus sericea ssp. sericea (red-osier dogwood)	1% to 10%				
Crataegus monogyna (European hawthorn)	1% to 10%				
Dipsacus sylvestris (teasel)	1% to 10%				
Holcus lanatus (velvet grass)	1% to 10%				
Phalaris arundinacea (reed canarygrass)	1% to 10%				

Unit OB*015

Size: 1.55 Acres

NVCS Class: Forest

NVCS Subclass: Deciduous forest

NVCS Group: Cold-deciduous forest

NVCS SubGroup: Natural / Semi-natural

NVCS Ecological System: CES204.869 North Pacific Lowland Riparian Forest and Shrubland

Landform: Other

Slope: Flat (0 to 5%)

Aspect: West

Notes:

Visit date: 6/25/2003

Ecological Health: Fair.

% Tree canopy: 65%

% Non-Native Cover: not recorded

Eco Note:

This unit is a seasonal wetland. Healthy restoration plantings. Grand Fir, Ponderosa Pine and Douglas Fir seedlings were planted in pond bottoms in this Cottonwood/Ash stand.

Wetland indicators: Drift Lines, Water Marks.

Primary Management concerns: Invasives, Litter.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Populus balsamifera ssp. trichocarpa (black cott	50% to 75%	Y	10-20"	Y	
Cornus sericea ssp. sericea (red-osier dogwood)	20% to 50%				
Fraxinus latifolia (Oregon ash)	10% to 20%		0-5"	Y	
Rosa pisocarpa (cluster wild peafruit swamp Rose	1% to 10%				
Abies grandis (grand fir)	trace		0-5"		Y
Acer pseudoplatanus (Sycamore maple)	trace		0-5"		
Pinus ponderosa (ponderosa pine)	trace		0-5"		Y
Prunus avium (sweet pie cherry)	trace		0-5"		
Pseudotsuga menziesii (Douglas fir)	trace		0-5"		Y
Robinia pseudo-acacia (black locust)	trace		0-5"		
Clematis vitalba (clematis)	trace				
Crataegus monogyna (European hawthorn)	trace				
Hedera helix (English ivy)	trace				
Rubus discolor (Himalayan blackberry)	trace				

Unit OB*016

Size: 2.31 Acres

NVCS Class: Herbaceous

NVCS Subclass: Perennial graminoid vegetation

NVCS Group: Temperate grassland with a sparse shrub layer

NVCS SubGroup: Natural / Semi-natural

NVCS Ecological System: unknown

Landform: Broad flat > 600'

Slope: Flat (0 to 5%)

Aspect: Northwest

Notes:

Visit date: 6/25/2003

Ecological Health: Fair.

% Tree canopy: 5%

% Non-Native Cover: not recorded

General Note:

Management Note:

Eco Note:

Wetland indicators: Hydrophilic Vegetation.

Primary Management concerns: Invasives.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Holcus lanatus (velvet grass)	50% to 75%	Y			
Fraxinus latifolia (Oregon ash)	1% to 10%		0-5"	Y	
Carex unilateris (one-sided sedge)	1% to 10%				

Rubus discolor (Himalayan blackberry)	1% to 10%		
Salix scouleriana (Scouler's willow)	1% to 10%		
Vicia cracca (vetch)	1% to 10%		
Quercus garryana (Oregon white oak)	trace	0-5"	Y
Crataegus monogyna (European hawthorn)	trace		

Unit OB*018

Size: 5.59 Acres

NVCS Class: Forest

NVCS Subclass: Deciduous forest

NVCS Group: Cold-deciduous forest

NVCS SubGroup: Natural / Semi-natural

NVCS Ecological System: CES204.869 North Pacific Lowland Riparian Forest and Shrubland

Landform: Broad flat > 600'

Slope: Flat (0 to 5%)

Aspect: Northwest

Notes:

Visit date: 6/26/2003

Ecological Health: Fair.

% Tree canopy: 70%

% Non-Native Cover: not recorded

Eco Note:

Seasonal soil saturation.

Wetland indicators: Hydrophilic Vegetation, Water Marks.

Primary Management concerns: Invasives, Informal Trails.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Polygonum aviculare (doorweed)	50% to 75%	Y			
Fraxinus latifolia (Oregon ash)	20% to 50%	Y	5-10"	Y	
Cornus sericea ssp. sericea (red-osier dogwood)	20% to 50%	Y			
Holcus lanatus (velvet grass)	10% to 20%				
Rubus discolor (Himalayan blackberry)	10% to 20%				
Salix scouleriana (Scouler's willow)	10% to 20%				
Prunus avium (sweet pie cherry)	1% to 10%		0-5"	Y	
Robinia pseudo-acacia (black locust)	1% to 10%		0-5"	Y	
Crataegus monogyna (European hawthorn)	1% to 10%			Y	
Rosa pisocarpa (cluster wild peafruit swamp Rose)	1% to 10%				Y
Quercus garryana (Oregon white oak)	trace		0-5"	Y	
Quercus palustris (pin oak)	trace		0-5"	Y	
Sorbus aucuparia (European mountain ash)	trace		0-5"	Y	
Hedera helix (English ivy)	trace				
Ilex aquafolium (English holly)	trace				
Phalaris arundinacea (reed canarygrass)	trace				

Unit OB*019

Size: 0.78 Acres

NVCS Class: Herbaceous

NVCS Subclass: Perennial graminoid vegetation

NVCS Group: Temperate grassland with a sparse shrub layer

NVCS SubGroup: Natural / Semi-natural

NVCS Ecological System: unknown

Landform: Broad flat > 600'

Slope: Flat (0 to 5%)

Aspect: West

Notes:

Visit date: 6/26/2003

Ecological Health: Fair.

% Tree canopy: 5%

% Non-Native Cover: not recorded

Primary Management concerns: Invasives.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Holcus lanatus (velvet grass)	50% to 75%	Y			
Rubus discolor (Himalayan blackberry)	10% to 20%				
Dipsacus sylvestris (teasel)	1% to 10%				
Juncus effusus (common soft Pacific rush)	1% to 10%				
Parentucellia viscosa (yellow parentucellia)	1% to 10%				
Plantago lanceolata (English narrowleaf buckhorn)	1% to 10%				
Rosa pisocarpa (cluster wild peafruit swamp Rose)	1% to 10%				
Salix scouleriana (Scouler's willow)	1% to 10%				
Vicia cracca (vetch)	1% to 10%				
Fraxinus latifolia (Oregon ash)	trace		0-5"		
Cryptantha intermedia (Clearwater common Forget-	trace				

Unit OB*020

Size: 2.85 Acres

NVCS Class: Forest

NVCS Subclass: Deciduous forest

NVCS Group: Cold-deciduous forest

NVCS SubGroup: Natural / Semi-natural

NVCS Ecological System: CES204.846 North Pacific Broadleaf Mesic Seral Forest

Landform: Side-hill, Lower 3rd

Slope: Extremely Steep (over 30%)

Aspect: West

Notes:

Visit date: 6/26/2003

Ecological Health: Poor.

% Tree canopy: 70%

% Non-Native Cover: not recorded

General Note:

Conducted a rare plant survey for Mark Wilson on September 4th, 2003. No species of interest were found.

Management Note:

Graffiti on tree trunks along trail. Trail is highly impacted by humans. Lots of trash on side of hill.

Eco Note:

This unit consists of a cliff which is bordered by the wetland on the lower edge and homes on upper edge-- site is very degraded with invasives.

Wetland indicators: Hydrophilic Vegetation.

Primary Management concerns: Invasives, Erosion, Domestic Animals, Litter, Mountain Bike Impact.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Hedera helix (English ivy)	50% to 75%	Y			
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"		
Rubus discolor (Himalayan blackberry)	20% to 50%	Y			
Fraxinus latifolia (Oregon ash)	10% to 20%		10-20"		
Quercus garryana (Oregon white oak)	1% to 10%		5-10"	Y	
Clematis vitalba (clematis)	1% to 10%				
Cornus sericea ssp. sericea (red-osier dogwood)	1% to 10%				
Galium aparine (cleavers)	1% to 10%				
Lapsana communis (common nipplewort)	1% to 10%				
Phalaris arundinacea (reed canarygrass)	1% to 10%				
Polystichum munitum (sword fern)	1% to 10%				

Rubus ursinus (trailing blackberry)	1% to 10%		
Symphoricarpos albus (snowberry)	1% to 10%		
Abies grandis (grand fir)	trace	0-5"	Y
Acer platanoides (Norway maple)	trace	0-5"	
Arbutus menziesii (Pacific madrone)	trace	0-5"	
Pseudotsuga menziesii (Douglas fir)	trace	0-5"	Y
Thuja plicata (western red cedar)	trace	0-5"	Y
Convolvulus arvensis (morning glory)	trace		
Geranium robertianum (herb-Robert)	trace		
Holodiscus discolor (oceanspray)	trace		
Ilex aquafolium (English holly)	trace		
Philadelphus lewisii (Lewis' mockorange)	trace		
Ranunculus repens (creeping buttercup)	trace		
Robinia pseudo-acacia (black locust)	trace		
Smilacina racemosa (false Solomon's-seal)	trace		
Tellima grandiflora (fringe-cup)	trace		

Unit OB*022

Size: 5.71 Acres

NVCS Class: Woodland

NVCS Subclass: Deciduous woodland

NVCS Group: Cold-deciduous woodland

NVCS SubGroup: Natural / Semi-natural

NVCS Ecological System: CES204.869 North Pacific Lowland Riparian Forest and Shrubland

Landform: Bench/Terrace

Slope: Flat (0 to 5%)

Aspect: South

Notes:

Visit date: 6/26/2003

Ecological Health: Fair.

% Tree canopy: 60%

% Non-Native Cover: not recorded

General Note:

Lots of ivy pulling done in this unit leaving bare soil. .

Management Note:

Eco Note:

Wetland indicators: Hydrophilic Vegetation.

Primary Management concerns: Invasives, Informal Trails.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Fraxinus latifolia (Oregon ash)	20% to 50%	Y	10-20"	Y	
Rubus discolor (Himalayan blackberry)	20% to 50%				
Cornus sericea ssp. sericea (red-osier dogwood)	10% to 20%	Y			
Fagus sylvatica (European beech)	1% to 10%		10-20"		
Populus balsamifera ssp. trichocarpa (black cott)	1% to 10%		10-20"	Y	
Robinia pseudo-acacia (black locust)	1% to 10%		5-10"		
Corylus avellana (common filbert)	1% to 10%				
Crataegus monogyna (European hawthorn)	1% to 10%				
Geum macrophyllum (largeleaf avens)	1% to 10%				
Hedera helix (English ivy)	1% to 10%				
Polystichum munitum (sword fern)	1% to 10%				
Symphoricarpos albus (snowberry)	1% to 10%				
Thuja plicata (western red cedar)	1% to 10%				
Acer platanoides (Norway maple)	trace		0-5"	Y	
Pseudotsuga menziesii (Douglas fir)	trace		0-5"		Y
Sorbus aucuparia (European mountain ash)	trace		0-5"		
Tsuga heterophylla (western hemlock)	trace		0-5"		Y
Clematis vitalba (clematis)	trace				
Ilex aquafolium (English holly)	trace				
Veronica americana (American brooklime)	trace				

Unit OB*023

Size: 0.87 Acres
NVCS Class: Herbaceous
NVCS Subclass: Perennial graminoid vegetation
NVCS Group: Temperate grassland with a sparse shrub layer
NVCS SubGroup: Natural / Semi-natural
NVCS Ecological System: unknown
Landform: Bench/Terrace
Slope: Flat (0 to 5%)
Aspect: Northwest
Notes:

Visit date: 6/25/2003

Ecological Health: Fair.
% Tree canopy: 5%
% Non-Native Cover: not recorded

General Note:

Species of Interest: JUTE

Management Note:

Remove CYSC before it spreads. Small plants in plot already.

Eco Note:

2 large moths mating on near-by shrub. Ground is uneven and crumbly as if soil is saturated during other seasons.

Wetland indicators: Hydrophilic Vegetation.

Primary Management concerns: Invasives, Utility Infrastructure, Informal Trails.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Holcus lanatus (velvet grass)	50% to 75%	Y			
Rubus discolor (Himalayan blackberry)	20% to 50%				
Fraxinus latifolia (Oregon ash)	1% to 10%	Y	5-10"		
Clematis vitalba (clematis)	1% to 10%				
Crataegus monogyna (European hawthorn)	1% to 10%				
Lathyrus polyphyllus (Pacific leafy peavine)	1% to 10%				
Leucanthemum vulgare (oxeye daisy)	1% to 10%				
Salix scouleriana (Scouler's willow)	1% to 10%				
Populus balsamifera ssp. trichocarpa (black cott	trace		0-5"	Y	
Cytisus scoparius (Scot's broom)	trace				
Dipsacus sylvestris (teasel)	trace				
Fagus sylvatica (European beech)	trace				
Galium aparine (cleavers)	trace				
Juncus tenuis (slender rush)	trace				
Vicia cracca (vetch)	trace				

Unit OB*024

Size: 14.43 Acres
NVCS Class: Forest
NVCS Subclass: Deciduous forest
NVCS Group: Cold-deciduous forest
NVCS SubGroup: Natural / Semi-natural
NVCS Ecological System: CES204.869 North Pacific Lowland Riparian Forest and Shrubland
Landform: Bench/Terrace
Slope: Flat (0 to 5%)
Aspect: West
Notes:

Visit date: 6/25/2003

Ecological Health: Fair.

% Tree canopy: 70%

% Non-Native Cover: not recorded

Management Note:

Plantings are doing well--non native grasses seem to be the dominant invasive in this unit.

Eco Note:

Found dead opossum on informal trail and saw a Kingfisher bird on snag near water.

Wetland indicators: Hydrophilic Vegetation, Flood Debris, Saturated Soils.

Primary Management concerns: Invasives, Trampling, Domestic Animals, Litter, Large Refuse, Utility Infrastructure, Vandalism, Informal Trails.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Fraxinus latifolia (Oregon ash)	20% to 50%	Y	20-30 "	Y	Y
Populus balsamifera ssp. trichocarpa (black cott	20% to 50%	Y	20-30 "	Y	
Cornus sericea ssp. sericea (red-osier dogwood)	20% to 50%	Y			
Rubus discolor (Himalayan blackberry)	20% to 50%	Y			
Festuca arundinacea (tall fescue)	10% to 20%	Y			
Holcus lanatus (velvet grass)	10% to 20%	Y			
Phalaris arundinacea (reed canarygrass)	10% to 20%	Y			
Alnus rubra (red alder)	10% to 20%		10-20 "	Y	
Corylus avellana (common filbert)	10% to 20%				
Hedera helix (English ivy)	10% to 20%				
Symphoricarpos albus (snowberry)	10% to 20%				
Viburnum edule (squashberry)	10% to 20%				
Acer macrophyllum (bigleaf maple)	1% to 10%		10-20 "	Y	
Quercus garryana (Oregon white oak)	1% to 10%		10-20 "	Y	
Acer platanoides (Norway maple)	1% to 10%		5-10 "		
Bromus carinatus (mountain California Brome-gras	1% to 10%				
Clematis vitalba (clematis)	1% to 10%				
Crataegus douglasii (Douglas' black hawthorn)	1% to 10%				
Crataegus monogyna (European hawthorn)	1% to 10%				
Galium aparine (cleavers)	1% to 10%				
Salix scouleriana (Scouler's willow)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Spiraea douglasii (Douglas' spiraea)	1% to 10%				
Convolvulus arvensis (morning glory)	trace				
Cytisus scoparius (Scot's broom)	trace				
Geranium robertianum (herb-Robert)	trace				
Ilex aquafolium (English holly)	trace				
Lapsana communis (common nipplewort)	trace				
Solanum dulcamara (bittersweet nightshade)	trace				

Unit OB*025

Size: 1.06 Acres

NVCS Class: Woodland

NVCS Subclass: Deciduous woodland

NVCS Group: Cold-deciduous woodland

NVCS SubGroup: Natural / Semi-natural

NVCS Ecological System: CES204.869 North Pacific Lowland Riparian Forest and Shrubland

Landform: Bench/Terrace

Slope: Flat (0 to 5%)

Aspect: West

Notes:

Visit date: 6/25/2003

Ecological Health: Fair.

% Tree canopy: 50%

% Non-Native Cover: not recorded

Management Note:

Eco Note:

Restoration project in process (wetland revegetation). RUDI and grasses have been cut. Many planting present. Beaver chew found on local tree.

Wetland indicators: Hydrophilic Vegetation, Flood Debris, Saturated Soils, Standing Flowing Water.

Primary Management concerns: Invasives, Litter, Large Refuse, Utility Infrastructure, Informal Trails.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Fraxinus latifolia (Oregon ash)	20% to 50%	Y	20-30"	Y	Y
Populus balsamifera ssp. trichocarpa (black cott)	20% to 50%	Y	20-30"	Y	
Cornus sericea ssp. sericea (red-osier dogwood)	20% to 50%	Y			
Festuca arundinacea (tall fescue)	20% to 50%	Y			
Holcus lanatus (velvet grass)	20% to 50%	Y			
Phalaris arundinacea (reed canarygrass)	20% to 50%				
Alnus rubra (red alder)	10% to 20%			Y	
Rubus discolor (Himalayan blackberry)	10% to 20%				
Sambucus racemosa (red elderberry)	10% to 20%				
Acer macrophyllum (bigleaf maple)	1% to 10%		10-20"		
Salix lucida ssp. lasiandra (Pacific willow)	1% to 10%				
Salix scouleriana (Scouler's willow)	1% to 10%				
Thuja plicata (western red cedar)	trace		0-5"		Y
Crataegus monogyna (European hawthorn)	trace				
Digitalis purpurea (purple foxglove)	trace				
Fagus sylvatica (European beech)	trace				
Galium aparine (cleavers)	trace				
Gilia capitata (bluehead gilia)	trace				
Ilex aquafolium (English holly)	trace				
Lotus corniculatus (birdsfoot trefoil)	trace				

Unit OB*031

Size: 9.82 Acres

NVCS Class: Woodland

NVCS Subclass: Deciduous woodland

NVCS Group: Cold-deciduous woodland

NVCS SubGroup: Natural / Semi-natural

NVCS Ecological System: CES204.869 North Pacific Lowland Riparian Forest and Shrubland

Landform: Broad flat > 600'

Slope: Flat (0 to 5%)

Aspect: South

Notes:

Visit date: 6/26/2003

Ecological Health: Fair.

% Tree canopy: 55%

% Non-Native Cover: not recorded

General Note:

Management Note:

Eco Note:

Marshland with willow and ash bordered by well used trail.

Wetland indicators: Streams, Hydrophilic Vegetation, Flood Debris, Saturated Soils, Standing Flowing Water.

Primary Management concerns: Invasives, Litter, Vandalism, Informal Trails.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Fraxinus latifolia (Oregon ash)	20% to 50%	Y	20-30"	Y	

Phalaris arundinacea (reed canarygrass)	20% to 50%	Y		
Salix lucida ssp. lasiandra (Pacific willow)	20% to 50%	Y		
Cornus sericea ssp. sericea (red-osier dogwood)	10% to 20%			
Alnus rubra (red alder)	1% to 10%		10-20"	Y
Clematis vitalba (clematis)	1% to 10%			
Convolvulus arvensis (morning glory)	1% to 10%			
Corylus avellana (common filbert)	1% to 10%			
Galium aparine (cleavers)	1% to 10%			
Lathyrus polyphyllus (Pacific leafy peavine)	1% to 10%			
Rubus discolor (Himalayan blackberry)	1% to 10%			
Sambucus racemosa (red elderberry)	1% to 10%			
Symphoricarpos albus (snowberry)	1% to 10%			
Lapsana communis (common nipplewort)	trace			
Solanum dulcamara (bittersweet nightshade)	trace			

Unit OB*037

Size: 16.75 Acres

NVCS Class: Woodland

NVCS Subclass: Deciduous woodland

NVCS Group: Cold-deciduous woodland

NVCS SubGroup: Natural / Semi-natural

NVCS Ecological System: CES204.869 North Pacific Lowland Riparian Forest and Shrubland

Landform: Broad flat > 600'

Slope: Flat (0 to 5%)

Aspect: South

Notes:

Visit date: 6/26/2003

Ecological Health: Fair.

% Tree canopy: 35%

% Non-Native Cover: not recorded

General Note:

Species of Interest: SAFL14, CAO3

Management Note:

Eco Note:

Unit borders large wetland marsh/lake with streams meandering through. Concrete water way near railroad tracks. Osprey nesting on power line on the unit edge near the railroad track.

Wetland indicators: Streams, Hydrophilic Vegetation, Surface Water, Flood Debris, Saturated Soils, Standing Flowing Water.

Primary Management concerns: Invasives.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Phalaris arundinacea (reed canarygrass)	50% to 75%	Y			
Fraxinus latifolia (Oregon ash)	20% to 50%	Y	10-20"	Y	
Populus balsamifera ssp. trichocarpa (black cott)	20% to 50%	Y	10-20"	Y	
Rubus discolor (Himalayan blackberry)	20% to 50%				
Cornus sericea ssp. sericea (red-osier dogwood)	10% to 20%	Y			
Salix lucida ssp. lasiandra (Pacific willow)	10% to 20%	Y			
Carex obnupta (slough sedge)	1% to 10%				
Corylus avellana (common filbert)	1% to 10%				
Galium aparine (cleavers)	1% to 10%				
Salix fluviatilis (Columbia River willow)	1% to 10%				
Spiraea douglasii (Douglas' spiraea)	1% to 10%				
Dipsacus sylvestris (teasel)	trace				
Hypericum perforatum (common St. John's wort)	trace				
Lathyrus polyphyllus (Pacific leafy peavine)	trace				

Unit OB*054

Size: 11.2 Acres

NVCS Class: Forest

NVCS Subclass: Deciduous forest

NVCS Group: Cold-deciduous forest

NVCS SubGroup: Natural / Semi-natural

NVCS Ecological System: CES204.869 North Pacific Lowland Riparian Forest and Shrubland

Landform: Side-hill, Lower 3rd

Slope: Extremely Steep (over 30%)

Aspect: West

Notes:

Visit date: 6/26/2003

Ecological Health: Poor.

% Tree canopy: 70%

% Non-Native Cover: not recorded

Management Note:

Continue restoration and invasive removal. PSME and THPL planted in this unit.

Eco Note:

Wetland indicators: Streams, Springs, Hydrophilic Vegetation, Surface Water, Drift Lines, Water Marks, Saturated Soils, Standing Flowing Water.

Primary Management concerns: Invasives, Domestic Animals, Vandalism, Informal Trails.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Populus balsamifera ssp. trichocarpa (black cott	20% to 50%	Y	20-30 "		
Quercus garryana (Oregon white oak)	20% to 50%	Y	20-30 "		
Fraxinus latifolia (Oregon ash)	20% to 50%	Y	10-20 "		
Clematis vitalba (clematis)	20% to 50%	Y			
Galium aparine (cleavers)	20% to 50%	Y			
Lapsana communis (common nipplewort)	20% to 50%	Y			
Salix lucida ssp. lasiandra (Pacific willow)	20% to 50%	Y			
Cornus sericea ssp. sericea (red-osier dogwood)	10% to 20%				
Rubus discolor (Himalayan blackberry)	10% to 20%				
Sambucus mexicana (blue elderberry)	10% to 20%				
Prunus avium (sweet pie cherry)	1% to 10%		0-5"		
Convolvulus arvensis (morning glory)	1% to 10%				
Phalaris arundinacea (reed canarygrass)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Symphoricarpos albus (snowberry)	1% to 10%				
Acer platanoides (Norway maple)	trace		0-5"		
Crataegus monogyna (European hawthorn)	trace				
Hedera helix (English ivy)	trace				
Holcus lanatus (velvet grass)	trace				

Unit OB*056

Size: 2.85 Acres

NVCS Class: Herbaceous

NVCS Subclass: Perennial graminoid vegetation

NVCS Group: Temperate grassland

NVCS SubGroup: Natural / Semi-natural

NVCS Ecological System: unknown

Landform: Side-hill, Upper 3rd

Slope: Extremely Steep (over 30%)

Aspect: Northwest

Notes:

Visit date: 6/26/2003

Ecological Health: Fair.

% Tree canopy: 5%

% Non-Native Cover: not recorded

General Note:

Steep grassy slope with many grass species, not identifiable dominant. Heavy invasives.

Management Note:

Eco Note:

Primary Management concerns: Invasives, Litter.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
<i>Clematis vitalba</i> (clematis)	1% to 10%				
<i>Conium maculatum</i> (poison hemlock)	1% to 10%				
<i>Convolvulus arvensis</i> (morning glory)	1% to 10%				
<i>Dactylis glomerata</i> (orchard grass)	1% to 10%				
<i>Galium aparine</i> (cleavers)	1% to 10%				
<i>Holcus lanatus</i> (velvet grass)	1% to 10%				
<i>Lolium multiflorum</i> (Italian ryegrass)	1% to 10%				
<i>Lythrum salicaria</i> (purple loosestrife)	1% to 10%				
<i>Phalaris arundinacea</i> (reed canarygrass)	1% to 10%				
<i>Sambucus mexicana</i> (blue elderberry)	1% to 10%				
<i>Lapsana communis</i> (common nipplewort)	trace				
<i>Rubus discolor</i> (Himalayan blackberry)	trace				

Unit OB*057

Size: 57.66 Acres

NVCS Class: Herbaceous

NVCS Subclass: Perennial forb vegetation

NVCS Group: Temperate perennial forb vegetation

NVCS SubGroup: Natural / Semi-natural

NVCS Ecological System: CES200.878 Temperate Pacific Freshwater Mudflat

Landform: Other

Slope: Flat (0 to 5%)

Aspect: South

Notes: 4 fixed transects vegetation studies were done around this unit in 2003 and 2004.

The visit data from 2004 is not entered and the data for the existing 2003 visit may not reflect the more detailed transect data.

Visit date: 9/8/2003

Ecological Health: Fair.

% Tree canopy: 0%

% Non-Native Cover: not recorded

General Note:

In August site consisted of mud flats remaining after drawdown of Oaks Bottom lake. By September several species had completely colonized the exposed area and no mud surface was observable.

Eco Note:

Much of this unit still consists of water.

Primary Management concerns: Invasives.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
<i>Cyperus erythrorhizos</i> (redroot flatsedge)	50% to 75%	Y			
<i>Lindernia dubia</i> var. <i>anagallidea</i> (yellowseed fal)	50% to 75%	Y			
<i>Eragrostis hypnoides</i> (teal lovegrass)	20% to 50%	Y			
<i>Ludwigia palustris</i> (false-loosestrife)	20% to 50%	Y			
<i>Lythrum salicaria</i> (purple loosestrife)	20% to 50%	Y			
<i>Polygonum persicaria</i> (spotted lady's-thumb)		10% to 20%			
<i>Bidens frondosa</i> (devil's leafy beggarticks)		1% to 10%			
<i>Populus balsamifera</i> ssp. <i>trichocarpa</i> (black cott	trace		0-5"	Y	

Unit OB*059

Size: 1.61 Acres

NVCS Class: Woodland

NVCS Subclass: Deciduous woodland

NVCS Group: Cold-deciduous woodland

NVCS SubGroup: Natural / Semi-natural

NVCS Ecological System: CES204.869 North Pacific Lowland Riparian Forest and Shrubland

Landform: Broad flat > 600'

Slope: Flat (0 to 5%)

Aspect: Northeast

Notes:

Visit date: 6/26/2003

Ecological Health: Fair.

% Tree canopy: 45%

% Non-Native Cover: not recorded

General Note:

Thin strip along the pond. Healthy replantings present.

Management Note:

Eco Note:

Wetland indicators: Surface Water, Drift Lines, Water Marks, Saturated Soils, Standing Flowing Water.

Primary Management concerns: Invasives.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Populus balsamifera ssp. trichocarpa (black cott	20% to 50%	Y	10-20"	Y	
Cichorium intybus (chicory)	10% to 20%	Y			
Dactylis glomerata (orchard grass)	10% to 20%	Y			
Lathyrus polyphyllus (Pacific leafy peavine)	10% to 20%	Y			
Phalaris arundinacea (reed canarygrass)	10% to 20%	Y			
Fraxinus latifolia (Oregon ash)	1% to 10%		5-10"	Y	
Dipsacus sylvestris (teasel)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Quercus garryana (Oregon white oak)	trace		0-5"		

Unit OB*061

Size: 7.78 Acres

NVCS Class: Herbaceous

NVCS Subclass: Perennial graminoid vegetation

NVCS Group: Temperate grassland

NVCS SubGroup: Natural / Semi-natural

NVCS Ecological System: unknown

Landform: Broad flat > 600'

Slope: Flat (0 to 5%)

Aspect: Northeast

Notes:

Visit date: 6/26/2003

Ecological Health: Fair.

% Tree canopy: 0%

% Non-Native Cover: not recorded

General Note:

Large open grassy field with numerous grass species. Service yard at SW corner of plot.

Management Note:

Eco Note:

Primary Management concerns: Invasives, Domestic Animals, Litter, Hardscape Infrastructure.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
<i>Agrostis gigantea</i> (red top)	20% to 50%	Y			
<i>Cichorium intybus</i> (chicory)	1% to 10%				
<i>Dactylis glomerata</i> (orchard grass)	1% to 10%				
<i>Holcus lanatus</i> (velvet grass)	1% to 10%				
<i>Phalaris arundinacea</i> (reed canarygrass)	1% to 10%				
<i>Vicia cracca</i> (vetch)	1% to 10%				
<i>Cornus sericea</i> ssp. <i>sericea</i> (red-osier dogwood)	trace				

Unit OB*062

Size: 4.68 Acres

NVCS Class: Forest

NVCS Subclass: Deciduous forest

NVCS Group: Cold-deciduous forest

NVCS SubGroup: Natural / Semi-natural

NVCS Ecological System: CES204.846 North Pacific Broadleaf Mesic Seral Forest

Landform: Side-hill, Lower 3rd

Slope: Extremely Steep (over 30%)

Aspect: Northwest

Notes:

Visit date: 6/26/2003

Ecological Health: Poor.

% Tree canopy: 65%

% Non-Native Cover: not recorded

General Note:

Unit 60 added to this one

Management Note:

Eco Note:

Restoration plantings in healthy condition.

Primary Management concerns: Invasives, Domestic Animals, Litter.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
<i>Acer macrophyllum</i> (bigleaf maple)	50% to 75%	Y	20-30"	Y	
<i>Clematis vitalba</i> (clematis)	50% to 75%	Y			
<i>Lapsana communis</i> (common nipplewort)	20% to 50%	Y			
<i>Sambucus mexicana</i> (blue elderberry)	10% to 20%	Y			
<i>Symphoricarpos albus</i> (snowberry)	10% to 20%	Y			
<i>Quercus garryana</i> (Oregon white oak)	1% to 10%		20-30"		Y
<i>Pseudotsuga menziesii</i> (Douglas fir)	1% to 10%		5-10"		Y
<i>Prunus avium</i> (sweet pie cherry)	1% to 10%		0-5"		
<i>Thuja plicata</i> (western red cedar)	1% to 10%		0-5"		Y
<i>Convolvulus arvensis</i> (morning glory)	1% to 10%				
<i>Corylus cornuta</i> (western beaked hazelnut)	1% to 10%				
<i>Galium aparine</i> (cleavers)	1% to 10%				

Rubus discolor (Himalayan blackberry)
Tellima grandiflora (fringecup)

1% to 10%
trace