



Vegetation Unit Summaries for **Ramsey Wetlands (RAMS)**

Report date: 7/29/2009

'*' = non-native invasive species

Visit data as of: 7/29/2009

Unit RAMS*001

Size: 0.77 Acres

NVCS Class: Herbaceous

NVCS Subclass: Perennial forb vegetation

NVCS Group: Temperate perennial forb vegetation

NVCS SubGroup: Natural / Semi-natural

NVCS Ecological System: CES200.877 Temperate Pacific Freshwater Emergent Marsh

Landform: Other

Slope: Flat (0 to 5%)

Aspect: South

Notes: Unit is a depressional wetland. This unit is scheduled to be excavated in summer 2005.

Visit date: 6/28/2005

Ecological Health: Fair.

% Tree canopy: 5%

% Non-Native Cover: 20

General Note:

This site was visited on June 16th, 2005. It is the north section of a depressional wetland. No surface water remained. Some small Salix lucida fallen into wetland.

Management Note:

This unit will be completely altered in summer 2005. Soil will be redistributed as topsoil to nearby areas.

Eco Note:

Site dominated by at least 2 species of Polygonum. Absence of flowers made it difficult to ID species.

Polygonum periscaria was used based on purple blotch on leaves. Polygonum hydropiperoides was used because past surveys had identified native Polygonum "hydro.." species.

Wetland indicators: Springs, Hydrophilic Vegetation, Silt, Drift Lines, Water Marks, Saturated Soils.

Primary Management concerns: Invasives, Large Refuse.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Polygonum persicaria (spotted lady's-thumb)	50% to 75%		Y		
Polygonum hydropiperoides (mild smartweed)	20% to 50%	Y			
Phalaris arundinacea (reed canarygrass)	10% to 20%	Y			
Lythrum salicaria (purple loosestrife)	1% to 10%				
Iris pseudacorus (yellow flag iris)	trace				
Veronica americana (American brooklime)	trace				

Unit RAMS*002

Size: 0.45 Acres

NVCS Class: Herbaceous

NVCS Subclass: Perennial forb vegetation

NVCS Group: Temperate perennial forb vegetation

NVCS SubGroup: Natural / Semi-natural

NVCS Ecological System: CES200.877 Temperate Pacific Freshwater Emergent Marsh

Landform: Other

Slope: Flat (0 to 5%)

Aspect: South

Notes: Unit is a depressional wetland. This unit is scheduled to be excavated in summer 2005.

Visit date: 6/28/2005

Ecological Health: Severely Degraded.

% Tree canopy: 5%

% Non-Native Cover: 80

General Note:

This site was visited on June 16th, 2005. It is the south section of a depressional wetland. No surface water remained.

Management Note:

This unit will be completely altered in summer 2005. Soil will be redistributed as topsoil to nearby areas.

Eco Note:

Water does not drain but seeps into ground at south end of wetland. During high water it may escape through low point into nearby alcove.

Wetland indicators: Hydrophilic Vegetation, Silt, Drift Lines, Water Marks, Saturated Soils.

Primary Management concerns: Invasives, Litter.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Phalaris arundinacea (reed canarygrass)	over 75% Y				
Polygonum hydropiperoides (mild smartweed)	trace				

Unit RAMS*003

Size: 1.87 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: Southwest

Visit date: 6/28/2005

Ecological Health: Fair.

% Tree canopy: 60%

% Non-Native Cover: 80

General Note:

This unit is a grove of fairly old Oregon ash with a nearly complete reed canary grass understory.

Management Note:

There are plantings of Malus, Spiraea, and Oregon ash throughout the unit.

Wetland indicators: Hydrophilic Vegetation.

Primary Management concerns: Invasives.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Phalaris arundinacea (reed canarygrass)	over 75% Y				
Fraxinus latifolia (Oregon ash)	50% to 75%	Y	20-30"		Y
Carex deweyana (Dewey sedge)	1% to 10%				

Galium aparine (cleavers)	1% to 10%
Salix lucida ssp. lasiandra (Pacific willow)	1% to 10%
Sambucus racemosa (red elderberry)	1% to 10%
Impatiens capensis (spotted orange touch-me-not)	trace
Urtica dioica (stinging nettle)	trace

Unit RAMS*004

Size: 14.25 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: This unit consists of a berm along the slough and a low depressional area bordering the west side of the berm.

Visit date: 6/29/2005

Ecological Health: Fair.

% Tree canopy: 35%

% Non-Native Cover: 40

General Note:

This area has been heavily planted by BES revegetation.

Management Note:

Phalaris arundinacea dominates the low area around the berm. English Ivy is creeping into the unit from the pump station.

Eco Note:

There is a depressional wetland dominated by Polygonum hydropiperoides in the north end of the unit.

Part of the BES revegetation efforts included many species of native grass which are growing on the berm.

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

Primary Management concerns: Invasives, Hardscape Infrastructure.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Phalaris arundinacea (reed canarygrass)	20% to 50%	Y			
Populus balsamifera ssp. trichocarpa (black cott	10% to 20%	Y	10-20"	Y	Y
Salix fluviatilis (Columbia River willow)	10% to 20%	Y			Y
Fraxinus latifolia (Oregon ash)	10% to 20%		10-20"	Y	Y
Acer macrophyllum (bigleaf maple)	1% to 10%		0-5"		Y
Cornus sericea ssp. sericea (red-osier dogwood)	1% to 10%				
Crataegus douglasii (Douglas' black hawthorn)	1% to 10%				
Dipsacus sylvestris (teasel)	1% to 10%				
Epilobium ciliatum ssp. watsonii (fringed willow)	1% to 10%				
Equisetum hyemale (scouring-rush horsetail)	1% to 10%				
Galium aparine (cleavers)	1% to 10%				
Physocarpus capitatus (Pacific ninebark)	1% to 10%				Y
Rhamnus purshiana (cascara)	1% to 10%				
Rosa pisocarpa (cluster wild peafruit swamp Rose)	1% to 10%				Y
Salix lucida ssp. lasiandra (Pacific willow)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Spiraea douglasii (Douglas' spiraea)	1% to 10%				
Urtica dioica (stinging nettle)	1% to 10%				
Alnus rubra (red alder)	trace		5-10"		Y
Prunus avium (sweet pie cherry)	trace		5-10"		
Malus fusca (Oregon crabapple)	trace		0-5"		Y
Pinus ponderosa (ponderosa pine)	trace		0-5"		Y
Pseudotsuga menziesii (Douglas fir)	trace		0-5"		Y
Thuja plicata (western red cedar)	trace		0-5"		Y
Conium maculatum (poison hemlock)	trace				
Hedera helix (English ivy)	trace				
Leucanthemum vulgare (oxeye daisy)	trace				

Lotus corniculatus (birdsfoot trefoil)	trace
Plantago major (common plantain)	trace
Polygonum hydropiperoides (mild smartweed)	trace
Rubus discolor (Himalayan blackberry)	trace
Rumex obtusifolius (bitter dock)	trace
Solanum dulcamara (bittersweet nightshade)	trace

Unit RAMS*005

Size: 3.06 Acres
NVCS Class: Woodland
NVCS Subclass: Deciduous woodland
NVCS Group: Cold-deciduous woodland
NVCS SubGroup: Natural / Semi-natural
NVCS Ecological System: unknown
Landform: unknown
Slope: unknown
Aspect: unknown

Unit RAMS*006

Size: 6.78 Acres
NVCS Class: Herbaceous
NVCS Subclass: Deciduous shrubland
NVCS Group: Cold-deciduous shrubland
NVCS SubGroup: Natural / Semi-natural
NVCS Ecological System: unknown
Landform: unknown
Slope: unknown
Aspect: unknown

Unit RAMS*007

Size: 11.24 Acres
NVCS Class: Woodland
NVCS Subclass: Deciduous woodland
NVCS Group: Cold-deciduous woodland
NVCS SubGroup: Natural / Semi-natural
NVCS Ecological System: unknown
Landform: unknown
Slope: unknown
Aspect: unknown

Unit RAMS*008

Size: 24.69 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: East

Visit date: 6/29/2005

Ecological Health: Fair.

% Tree canopy: 60%

% Non-Native Cover: 45

General Note:

Unit is a broad flat dominated by large Pacific willow with dense Impatiens understory.

Management Note:

Phalaris arundinacea is found throughout but is especially thick in the southern tip of the unit.

Eco Note:

The southern end by the pump station contains a small pond dominated by Scirpus microcarpus, Juncus effusus, and Typha latifolia.

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

Primary Management concerns: Invasives, Large Refuse.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Salix lucida ssp. lasiandra (Pacific willow)	50% to 75%	Y	10-20"		
Impatiens capensis (spotted orange touch-me-not)	20% to 50%	Y			
Phalaris arundinacea (reed canarygrass)	20% to 50%				
Cornus sericea ssp. sericea (red-osier dogwood)	10% to 20%	Y			
Fraxinus latifolia (Oregon ash)	10% to 20%		0-5"	Y	
Populus balsamifera ssp. trichocarpa (black cott	1% to 10%		10-20"	Y	Y
Sambucus racemosa (red elderberry)	1% to 10%				
Urtica dioica (stinging nettle)	1% to 10%				
Ailanthus altissima (tree-of-heaven)	trace		0-5"		
Juglans nigra (black walnut)	trace		0-5"		
Malus sp. (cultivated apple tree)	trace		0-5"		
Athyrium filix-femina (ladyfern)	trace				
Carex deweyana (Dewey sedge)	trace				
Epilobium ciliatum ssp. watsonii (fringed willow)	trace				
Galium aparine (cleavers)	trace				
Iris pseudacorus (yellow flag iris)	trace				
Polygonum cuspidatum (Japanese knotweed)	trace				
Rubus discolor (Himalayan blackberry)	trace				
Rubus ursinus (trailing blackberry)	trace				
Salix scouleriana (Scouler's willow)	trace				
Salix sitchensis (Sitka willow)	trace				
Solanum dulcamara (bittersweet nightshade)	trace				
Symphoricarpos albus (snowberry)	trace				