



Vegetation Unit Summaries for **Johnson Lake Property (JNLK)**

Report date: 7/29/2009

'*' = non-native invasive species

Visit data as of: 7/29/2009

Unit JNLK*001

Size: 2.59 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: 7/15/2003

Ecological Health: Poor.

% Tree canopy: 60%

% Non-Native Cover: not recorded

General Note:

Area is highly disturbed--evidence of high human use.

Management Note:

Eco Note:

Unit is being restored with lots of plantings doing well. FRLA is regenerating on its own.

Wetland indicators: Hydrophilic Vegetation, Water Marks.

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

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Fraxinus latifolia (Oregon ash)	20% to 50%	Y	5-10"	Y	Y
Alnus rubra (red alder)	20% to 50%		5-10"		Y
Holcus lanatus (velvet grass)	10% to 20%	Y			
Phalaris arundinacea (reed canarygrass)	10% to 20%	Y			
Dipsacus sylvestris (teasel)	10% to 20%				
Physocarpus capitatus (Pacific ninebark)	10% to 20%				
Rubus discolor (Himalayan blackberry)	10% to 20%				
Populus balsamifera ssp. trichocarpa (black cott	1% to 10%		20-30"		
Acer macrophyllum (bigleaf maple)	1% to 10%		0-5"	Y	Y
Cornus sericea ssp. sericea (red-osier dogwood)	1% to 10%		0-5"		
Festuca arundinacea (tall fescue)	1% to 10%				
Galium aparine (cleavers)	1% to 10%				
Lonicera involucrata (black four-line twinberry)	1% to 10%				
Ranunculus repens (creeping buttercup)	1% to 10%				
Salix sitchensis (Sitka willow)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Spiraea douglasii (Douglas' spiraea)	1% to 10%				
Symphoricarpos albus (snowberry)	1% to 10%				
Thuja plicata (western red cedar)	trace		5-10"		Y
Abies grandis (grand fir)	trace		0-5"		Y
Ilex aquafolium (English holly)	trace				
Solanum dulcamara (bittersweet nightshade)	trace				

Unit JNLK*002

Size: 5.03 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: South

Notes:

Visit date: 7/15/2003

Ecological Health: Fair.

% Tree canopy: 65%

% Non-Native Cover: not recorded

General Note:

Lots of noise from the freeway and airport.

Management Note:

Remove POCU from lake edge (see Latitude/Lon coordinates). Adjacent lake is possibly being invested with duck weed.

Eco Note:

Lots of planting that are doing well.

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

Primary Management concerns: Invasives, Litter, Hardscape Infrastructure, Informal Trails.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Populus balsamifera ssp. trichocarpa (black cott	10% to 20%	Y	10-20"	Y	
Acer macrophyllum (bigleaf maple)	10% to 20%	Y	5-10"	Y	
Alnus rubra (red alder)	10% to 20%	Y	5-10"		
Cornus sericea ssp. sericea (red-osier dogwood)	10% to 20%	Y			
Symphoricarpos albus (snowberry)	10% to 20%	Y			
Ranunculus repens (creeping buttercup)	10% to 20%				
Rubus discolor (Himalayan blackberry)	10% to 20%				
Salix sitchensis (Sitka willow)	10% to 20%				
Pseudotsuga menziesii (Douglas fir)	1% to 10%		5-10"		Y
Thuja plicata (western red cedar)	1% to 10%		0-5"		Y
Acer pseudoplatanus (Sycamore maple)	1% to 10%				
Agrostis gigantea (red top)	1% to 10%				
Crataegus douglasii (Douglas' black hawthorn)	1% to 10%				
Crataegus monogyna (European hawthorn)	1% to 10%				
Dipsacus sylvestris (teasel)	1% to 10%				
Epilobium ciliatum ssp. watsonii (fringed willow)	1% to 10%				
Galium aparine (cleavers)	1% to 10%				
Holcus lanatus (velvet grass)	1% to 10%				
Iris pseudacorus (yellow flag iris)	1% to 10%				
Lathyrus polyphyllus (Pacific leafy peavine)	1% to 10%				
Lonicera involucrata (black four-line twinberry)	1% to 10%				
Lotus corniculatus (birdsfoot trefoil)	1% to 10%				
Phalaris arundinacea (reed canarygrass)	1% to 10%				
Physocarpus capitatus (Pacific ninebark)	1% to 10%				
Polygonum cuspidatum (Japanese knotweed)	1% to 10%				
Rosa multiflora (multiflora rose)	1% to 10%				
Spiraea douglasii (Douglas' spiraea)	1% to 10%				
Abies grandis (grand fir)	trace		0-5"		Y
Betula papyrifera (paper birch)	trace				
Convolvulus sepium (hedge glorybind)	trace				
Hedera helix (English ivy)	trace				
Ilex aquafolium (English holly)	trace				
Juncus effusus (common soft Pacific rush)	trace				
Senecio jacobaea (tansy ragwort)	trace				
Solanum dulcamara (bittersweet nightshade)	trace				

Unit JNLK*003

Size: 6.90 Acres

NVCS Class: Herbaceous

NVCS Subclass: Hydromorphic rooted vegetation

NVCS Group: Temperate hydromorphic rooted vegetation

NVCS SubGroup: Natural / Semi-natural

NVCS Ecological System: CES200.876 Temperate Pacific Freshwater Aquatic Bed

Landform: unknown

Slope: Flat (0 to 5%)

Aspect: South

Notes:

Visit date: 8/21/2003

Ecological Health: Severely Degraded.

% Tree canopy: 0%

% Non-Native Cover: not recorded

General Note:

This unit consists of the lake which is becoming infested with duckweed.

Primary Management concerns: Invasives.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Lemna minor (common lesser duckweed)	10% to 20%				

Unit JNLK*004

Size: 0.63 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: North

Visit date: 7/15/2003

Ecological Health: Poor.

% Tree canopy: 55%

% Non-Native Cover: not recorded

General Note:

A very busy beaver has been at work on unit trees. Species of interest: *Epipactis gigantea* (stream orchid).

Eco Note:

Possible invasion of duckweed in lake. Plantings doing well (esp. FRLA)

Wetland indicators: Hydrophilic Vegetation, Water Marks.

Primary Management concerns: Invasives, Litter.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
<i>Fraxinus latifolia</i> (Oregon ash)	20% to 50%	Y	10-20"		
<i>Cornus sericea</i> ssp. <i>sericea</i> (red-osier dogwood)	20% to 50%	Y			
<i>Rubus discolor</i> (Himalayan blackberry)	20% to 50%	Y			
<i>Populus balsamifera</i> ssp. <i>trichocarpa</i> (black cott)	10% to 20%		20-30"		
<i>Acer macrophyllum</i> (bigleaf maple)	10% to 20%		10-20"		
<i>Alnus rubra</i> (red alder)	10% to 20%		5-10"		

Salix sitchensis (Sitka willow)	10% to 20%
Symphoricarpos albus (snowberry)	10% to 20%
Crataegus monogyna (European hawthorn)	1% to 10%
Phalaris arundinacea (reed canarygrass)	1% to 10%
Physocarpus capitatus (Pacific ninebark)	1% to 10%
Rosa gymnocarpa (dwarf wood rose)	1% to 10%
Rubus ursinus (trailing blackberry)	1% to 10%
Solanum dulcamara (bittersweet nightshade)	1% to 10%
Cirsium vulgare (bull thistle)	trace
Epipactis gigantea (stream orchid)	trace
Ilex aquafolium (English holly)	trace
Iris pseudacorus (yellow flag iris)	trace
Senecio jacobaea (tansy ragwort)	trace