



Vegetation Unit Summaries for **Johnson Creek Park (JNCK)**

Report date: 7/29/2009

'\*' = non-native invasive species

Visit data as of: 7/29/2009

**Unit JNCK\*001**

**Size:** 1.7 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:** 8/12/2003

**Ecological Health:** Fair.

**% Tree canopy:** 45%

**% Non-Native Cover:** not recorded

**General Note:**

Saw a green heron.

**Management Note:**

**Eco Note:**

Unit consists of the riparian areas along Johnson Creek and Crystal Springs Creek. There are many plantings along the western edge of Crystal Springs Creek near the bridge and bathrooms.

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

**Primary Management concerns:** Invasives, Domestic Animals, Litter, Utility Infrastructure, Hardscape Infrastructure, Vandalism, Informal Trails.

**Visit Species:**

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Alnus rubra (red alder)	20% to 50%	Y	5-10"	Y	
Spiraea douglasii (Douglas' spiraea)	10% to 20%	Y			
Betula pendula (European white birch)	10% to 20%		10-20"		
Robinia pseudo-acacia (black locust)	10% to 20%		5-10"	Y	
Cornus sericea ssp. sericea (red-osier dogwood)	10% to 20%				
Rubus discolor (Himalayan blackberry)	10% to 20%				
Aesculus hippocastanum (horsechestnut)	1% to 10%		>30"	Y	
Acer macrophyllum (bigleaf maple)	1% to 10%		10-20"		
Salix xsepulcralis (weeping willow)	1% to 10%		5-10"		
Fraxinus latifolia (Oregon ash)	1% to 10%		0-5"	Y	Y
Conium maculatum (poison hemlock)	1% to 10%				
Crataegus monogyna (European hawthorn)	1% to 10%				
Daucus carota (Queen Anne's lace)	1% to 10%				
Juncus tenuis (slender rush)	1% to 10%				
Phalaris arundinacea (reed canarygrass)	1% to 10%				
Physocarpus capitatus (Pacific ninebark)	1% to 10%				Y
Rosa pisocarpa (cluster wild peafruit swamp Rose)	1% to 10%				
Salix lucida ssp. lasiandra (Pacific willow)	1% to 10%				
Salix scouleriana (Scouler's willow)	1% to 10%				
Salix sitchensis (Sitka willow)	1% to 10%				

Sambucus mexicana (blue elderberry)	1% to 10%	
Solanum dulcamara (bittersweet nightshade)	1% to 10%	
Symphoricarpos albus (snowberry)	1% to 10%	Y
Verbascum blattaria (moth mullein)	1% to 10%	
Clematis vitalba (clematis)	trace	
Convolvulus arvensis (morning glory)	trace	
Ilex aquafolium (English holly)	trace	
Impatiens capensis (spotted orange touch-me-not)	trace	
Senecio jacobaea (tansy ragwort)	trace	

## Unit JNCK\*002

**Size:** 0.39 Acres

**NVCS Class:** Woodland

**NVCS Subclass:** Deciduous woodland

**NVCS Group:** Cold-deciduous woodland

**NVCS SubGroup:** Cultural

**NVCS Ecological System:** unknown

**Landform:** Broad flat > 600'

**Slope:** Flat (0 to 5%)

**Aspect:** West

**Notes:**

**Visit date:** 8/12/2003

**Ecological Health:** unknown.

**% Tree canopy:** 25%

**% Non-Native Cover:** not recorded

**General Note:**

### Management Note:

Manage the spread of AEHI (keep from invading riparian strip).

### Eco Note:

Unit is mostly a mowed grass area to the east of Johnson Creek with a few trees present. Unit borders an industrial area with a funky smell.

**Primary Management concerns:** Invasives, Litter, Hardscape Infrastructure.

### Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Pseudotsuga menziesii (Douglas fir)	1% to 10%		>30"		Y
Aesculus hippocastanum (horsechestnut)	1% to 10%		20-30"		
Thuja plicata (western red cedar)	1% to 10%		10-20"		
Fraxinus latifolia (Oregon ash)	1% to 10%		0-5"		Y
Oemleria cerasiformis (Indian-plum)	1% to 10%				Y
Polystichum munitum (sword fern)	1% to 10%				Y
Rubus discolor (Himalayan blackberry)	1% to 10%				
Symphoricarpos albus (snowberry)	1% to 10%				Y
Berberis nervosa (Oregon grape)	trace				Y
Holodiscus discolor (oceanspray)	trace				Y
Rosa pisocarpa (cluster wild peafruit swamp Rose)	trace				Y

## Unit JNCK\*003

**Size:** 1.02 Acres

**NVCS Class:** Shrubland

**NVCS Subclass:** Mixed evergreen-deciduous shrubland

**NVCS Group:** Mixed evergreen - cold-deciduous shrubland (with or without scattered tree canopy)

**NVCS SubGroup:** Natural / Semi-natural

**NVCS Ecological System:** unknown

**Landform:** Bench/Terrace

**Slope:** Flat (0 to 5%)

**Aspect:** West

**Notes:** The Wildlife Assessment was done before this unit was part of the park.

**Visit date:** 8/17/2007

**Ecological Health:** Severely Degraded.

**% Tree canopy:** 10%

**% Non-Native Cover:** 95

**General Note:**

This unit was bought by Metro this year (2007).

**Management Note:**

There has already been substantial cutting of blackberry and non-native plum trees. There is a lot of trash and large refuse in the unit.

**Eco Note:**

There is virtually no native structure in this unit. There is a large Douglas fir and Oregon white oak in the right of way due east of the unit.

**Primary Management concerns:** Invasives, Trampling, Soil Compaction, Litter, Large Refuse, Utility Infrastructure, Hardscape Infrastructure, Informal Trails.

**Visit Species:**

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Rubus discolor (Himalayan blackberry)	50% to 75%	Y			
Prunus cerasifera (cherry plum)	1% to 10%		0-5"		
Festuca arundinacea (tall fescue)	1% to 10%				
Holcus lanatus (velvet grass)	1% to 10%				
Lapsana communis (common nipplewort)	1% to 10%				
Salix xsepulcralis (weeping willow)	trace		>30"		
Sequoiadendron giganteum (giant redwood)	trace		20-30"		
Pinus sp. (pine)	trace	10-20"			
Juglans regia (English walnut)	trace		0-5"		
Populus balsamifera ssp. trichocarpa (black cott	trace		0-5"	Y	
Prunus avium (sweet pie cherry)	trace		0-5"	Y	
Thuja plicata (western red cedar)	trace		0-5"		Y
Cirsium arvense (Canadian Thistle)	trace				
Convolvulus arvensis (morning glory)	trace				
Corylus cornuta (western beaked hazelnut)	trace				
Daucus carota (Queen Anne's lace)	trace				
Dipsacus sylvestris (teasel)	trace				
Echinochloa crus-galli (Barnyardgrass)	trace				
Elymus repens (quack grass)	trace				
Epilobium ciliatum (willowherb)	trace				
Equisetum telmateia (giant horsetail)	trace				
Galium aparine (cleavers)	trace				
Hypericum perforatum (common St. John's wort)	trace				
Panicum miliaceum (millet)	trace				
Phalaris arundinacea (reed canarygrass)	trace				
Plantago lanceolata (English narrowleaf buckhorn)	trace				
Plantago major (common plantain)	trace				
Rumex obtusifolius (bitter dock)	trace				
Sonchus asper (spiny sowthistle)	trace				
Sonchus oleraceus (sow thistle)	trace				
Trifolium pratense (red clover)	trace				
Triticum aestivum (wheat)	trace				
Vitis L. (Grape)	trace				

**Unit JNCK\*004**

**Size:** 1.4 Acres

**NVCS Class:** Herbaceous

**NVCS Subclass:** Perennial graminoid vegetation

**NVCS Group:** Temperate grassland with a sparse tree layer

**NVCS SubGroup:** Cultural

**NVCS Ecological System:** unknown

**Landform:** Broad flat > 600'

**Slope:** Gentle (5 to 10%)

**Aspect:** East

**Notes:**

**Visit date:** 8/12/2003

**Ecological Health:** unknown.

**% Tree canopy:** 15%

**% Non-Native Cover:** not recorded

**General Note:**

Morphed unit #3 into this unit.

**Management Note:**

**Eco Note:**

Unit is a mowed grass area with play structures, hardscape, a home site, picnic tables, and several planted ornamental species of trees and shrubs.

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

**Visit Species:**

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Agrostis sp. (bentgrass)	20% to 50%	Y			
Thuja plicata (western red cedar)	1% to 10%		20-30"		
Betula pendula (European white birch)	1% to 10%		10-20"		
Acer circinatum (vine maple)	1% to 10%				
Berberis nervosa (Oregon grape)	1% to 10%				
Prunus avium (sweet pie cherry)	trace		20-30"		
Fraxinus latifolia (Oregon ash)	trace		10-20"		
Acer macrophyllum (bigleaf maple)	trace		0-5"	Y	
Quercus garryana (Oregon white oak)	trace		0-5"		
Quercus palustris (pin oak)	trace		0-5"		
Buddlea davidii (butterfly bush)	trace				
Crataegus monogyna (European hawthorn)	trace				
Hedera helix (English ivy)	trace				

## Unit rJNCK\*2

**Size:** 0.47 Acres

**NVCS Class:** Forest

**NVCS Subclass:** Deciduous forest

**NVCS Group:** Cold-deciduous forest

**NVCS SubGroup:** Natural / Semi-natural

**NVCS Ecological System:** unknown

**Landform:** Other

**Slope:** unknown

**Aspect:** South

**Visit date:** 7/12/2006

**Ecological Health:** Fair.

**% Tree canopy:** 65%

**% Non-Native Cover:** 90

**General Note:**

Salmonids and sculpin present.

**Wetland indicators:** Streams, Silt, Flood Debris, Water Marks, Standing Flowing Water.

**Primary Management concerns:** Invasives, Trampling, Domestic Animals, Litter, Homeless Camp, Vandalism, Stream Bank Erosion, Informal Trails.

**Visit Species:**

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Rubus discolor (Himalayan blackberry)	50% to 75%	Y			

Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"	
Hedera helix (English ivy)	20% to 50%			
Fraxinus latifolia (Oregon ash)	10% to 20%		20-30"	Y
Alnus rubra (red alder)	10% to 20%		5-10"	
Clematis vitalba (clematis)	10% to 20%			
Salix scouleriana (Scouler's willow)	1% to 10%		10-20"	
Cornus sericea ssp. sericea (red-osier dogwood)	1% to 10%		5-10"	Y
Convolvulus arvensis (morning glory)	1% to 10%			
Equisetum telmateia (giant horsetail)	1% to 10%			
Lapsana communis (common nipplewort)	1% to 10%			
Polygonum sachalinense (giant Sakhalin knotweed)	1% to 10%			
Salix xsepulcralis (weeping willow)	trace		5-10"	
Juglans nigra (black walnut)	trace		0-5"	
Bambusa sp. (bamboo)	trace			
Conium maculatum (poison hemlock)	trace			
Dactylis glomerata (orchard grass)	trace			
Holcus lanatus (velvet grass)	trace			
Ilex aquafolium (English holly)	trace			
Impatiens capensis (spotted orange touch-me-not)	trace			
Iris pseudacorus (yellow flag iris)	trace			
Phalaris arundinacea (reed canarygrass)	trace			
Ranunculus repens (creeping buttercup)	trace			
Senecio jacobaea (tansy ragwort)	trace			
Solanum dulcamara (bittersweet nightshade)	trace			
Spiraea douglasii (Douglas' spiraea)	trace			
Tanacetum vulgare (common tansy)	trace			
Urtica dioica (stinging nettle)	trace			