### Vegetation Unit Summaries for Cathedral Park (CATH)

Report date: 7/29/2009 '\*' = non-native invasive species

Visit data as of: 7/29/2009

#### Unit CATH\*001

Size: 4.57 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:** Southwest

**Notes:** 

Visit date: 10/5/2006

Ecological Health: Severely Degraded.

% Tree canopy: 15% % Non-Native Cover: 95

**General Note:** 

Mowed grass is dominant at 90%. Site has the St Johns bridge going over. Landscaped beds.

**Management Note:** 

#### **Eco Note:**

# **Primary Management concerns:** Invasives, Domestic Animals, Litter, Vandalism. **Visit Species:**

		COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Morus alba (white mulberry)		10% to 20%		5-10"		
Trifolium repens (common clover)		10% to 20%				
Acer macrophyllum (bigleaf maple)		1% to 10%	Y	10-20"		
Thuja plicata (western red cedar)		1% to 10%	Y	10-20"		
Juglans nigra (black walnut)		1% to 10%		20-30"		
Liriodendron tulipifera (tuliptree)		1% to 10%		10-20"		
Magnolia grandiflora (southern magnolia)		1% to 10%		5-10"		
Prunus sp. (cultivated cherry tree)		1% to 10%		5-10"		
Salix ×sepulcralis (weeping willow)		1% to 10%		5-10"		
Betula papyrifera (paper birch)		1% to 10%				
Buxus (boxwood)	1% to 10	) <del>%</del>				
Rhododendron sp. (rhododendron)		1% to 10%				
Taraxacum officinale (common dandelion)		1% to 10%				
Laurus (laurel)	1% to 10	)%				
Ulmus americana (American elm)		trace		20-30"		
Quercus sp. (oak)	trace		10-20"			
Acer rubrum (red maple)		trace		5-10"		
Ginko biloba (Maidenhair tree)		trace		0-5"		
Pseudotsuga menziesii (Douglas fir)		trace		0-5"		
Robinia pseudo-acacia (black locust)		trace		0-5"		
Digitaria sanguinalis (hairy crabgrass)		trace				
Plantago lanceolata (English narrowleaf bu	ıckhorn	trace				
Plantago major (common plantain)		trace				
Rubus discolor (Himalayan blackberry)		trace				
Hosta (plantain lily)		trace				

#### Unit CATH\*002

Size: 0.34 Acres

**NVCS Class:** Sparse vegetation

**NVCS Subclass:** Consolidated rock sparse vegetation **NVCS Group:** Sparsely vegetated bedrock or pavement

**NVCS SubGroup:** Cultural

**NVCS Ecological System:** unknown

**Landform:** Broad flat > 600'

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

**Notes:** 

Visit date: 10/5/2006

**Ecological Health:** Severely Degraded.

% Tree canopy: 5% % Non-Native Cover: 5

**General Note:** 

Parking lot. Small section of mowed grass, grass coverage 5%.

**Management Note:** 

**Eco Note:** 

## **Primary Management concerns:** Litter.

### **Visit Species:**

Thuja plicata (western red cedar)	COVER CLASS 1% to 10%	DOMINANT Y	DBH 10-20"	REGENERATING	PLANTED
		=	10-20		
Taraxacum officinale (common dandelion)	1% to 10%	Y			
Achillea millefolium (common Yarrow)	trace				
Daucus carota (Queen Anne's lace)	trace				
Digitaria sanguinalis (hairy crabgrass)	trace				
Hedera helix (English ivy)	trace				
Hypochaeris radicata (hairy cats-ear)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Malva neglecta (common Mallow)	trace				
Plantago lanceolata (English narrowleaf buckhorn	trace				
Rubus discolor (Himalayan blackberry)	trace				
Solanum dulcamara (bittersweet nightshade)	trace				
Sonchus oleraceus (sow thistle)	trace				
Trifolium repens (common clover)	trace				

#### Unit CATH\*003

Size: 1.57 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:** Flat (0 to 5%) **Aspect:** Southwest

**Notes:** 

Visit date: 10/5/2006

**Ecological Health:** Severely Degraded.

% Tree canopy: 25%
% Non-Native Cover: 90

**General Note:** 

Mowed grass park, grass at 60%. This site includes an off leash dog park. St. Johns bridge goes through site. Landscaped beds.

#### **Management Note:**

#### **Eco Note:**

# **Primary Management concerns:** Domestic Animals, Litter, Vandalism. **Visit Species:**

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Pinus monticola (western white pine)	10% to 20%	Y	10-20"		
Gaultheria shallon (salal)	10% to 20%	Y			
Trifolium repens (common clover)	10% to 20%	Y			
Thuja plicata (western red cedar)	1% to 10%		10-20"		
Berberis nervosa (Oregon grape)	1% to 10%				
Hypochaeris radicata (hairy cats-ear)	1% to 10%				
Taraxacum officinale (common dandelion)	1% to 10%				
Berberis aquifolium (tall Oregon-grape)	trace				
Cirsium vulgare (bull thistle)	trace				
Polystichum munitum (sword fern)	trace				
Senecio jacobaea (tansy ragwort)	trace				

#### Unit CATH\*004

Size: 8.49 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:** Flat (0 to 5%) **Aspect:** Southwest

**Notes:** 

Visit date: 10/5/2006

**Ecological Health:** Severely Degraded.

% Tree canopy: 10% % Non-Native Cover: 95

**General Note:** 

Park greenspace with 95% grass. Grass is mowed. Landscaped beds.

**Management Note:** 

#### **Eco Note:**

# **Primary Management concerns:** Invasives, Trampling, Domestic Animals, Litter, Vandalism. **Visit Species:**

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Betula papyrifera (paper birch)	1% to 10%	Y	10-20"		
Acer rubrum (red maple)	1% to 10%	Y	5-10"		
Salix ×sepulcralis (weeping willow)	1% to 10%		20-30"		Y
Metasequoia glyptostroboides (Dawn Redwood)	1%	to 10%		10-20"	
Y					
Picea pungens (blue Spruce)	1% to 10%		10-20"		Y
Thuja plicata (western red cedar)	1% to 10%		10-20"		Y
Fraxinus sp. (Ash)	1% to 10%		5-10"		

Populus balsamifera ssp. trichocarpa (black cott	1% to 10%	5-10"	Y	Y
Larix decidua (European larch)	1% to 10%	0-5"		Y
Taraxacum officinale (common dandelion)	1% to 10%			
Trifolium repens (common clover)	1% to 10%			
Rosa (rose) 1% to 1	0%			
Acer macrophyllum (bigleaf maple)	trace	5-10"	Y	Y
Alnus rubra (red alder)	trace	5-10"		Y
Abies grandis (grand fir)	trace	0-5"		
Fraxinus latifolia (Oregon ash)	trace	0-5"		Y
Pseudotsuga menziesii (Douglas fir)	trace	0-5"		Y
Tsuga heterophylla (western hemlock)	trace	0-5"		Y
Acer circinatum (vine maple)	trace			Y
Acer palmatum (Japanese maple)	trace			
Crataegus douglasii (Douglas' black hawthorn)	trace			
Plantago lanceolata (English narrowleaf buckhorn	trace			
Plantago major (common plantain)	trace			
Ranunculus repens (creeping buttercup)	trace			
Rubus discolor (Himalayan blackberry)	trace			
Sambucus racemosa (red elderberry)	trace			
Senecio jacobaea (tansy ragwort)	trace			
Tanacetum vulgare (common tansy)	trace			

#### Unit CATH\*005

Size: 0.47 Acres NVCS Class: Forest

**NVCS Subclass:** Deciduous forest **NVCS Group:** Cold-deciduous forest

**NVCS SubGroup:** Cultural

**NVCS Ecological System:** unknown

**Landform:** Broad flat > 600'

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

**Notes:** 

Visit date: 10/5/2006

Ecological Health: Poor. % Tree canopy: 90% % Non-Native Cover: 20

**General Note:** 

Grass coverage 20%. Site on side of small depression. Dominated by POBAT.

**Management Note:** 

#### **Eco Note:**

# **Primary Management concerns:** Invasives, Domestic Animals, Litter, Vandalism. **Visit Species:**

COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
over 75% Y	20-30"	Y		
20% to 50%	Y			
1% to 10%		5-10"		
1% to 10%		5-10"		
trace		0-5"	Y	
trace				
	over 75% Y 20% to 50% 1% to 10% 1% to 10% trace	over 75% Y 20-30" 20% to 50% Y 1% to 10% 1% to 10% trace	over 75% Y       20-30"       Y         20% to 50%       Y         1% to 10%       5-10"         1% to 10%       5-10"         trace       0-5"         trace       trace         trace       trace	over 75% Y       20-30"       Y         20% to 50%       Y         1% to 10%       5-10"         1% to 10%       5-10"         trace       0-5"       Y         trace       trace         trace       trace

Size: 3.35 Acres

**NVCS Class:** Sparse vegetation

**NVCS Subclass:** Consolidated rock sparse vegetation **NVCS Group:** Sparsely vegetated bedrock or pavement

**NVCS SubGroup:** Cultural

**NVCS Ecological System:** unknown

**Landform:** Broad flat > 600'

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

**Notes:** 

Visit date: 10/5/2006

**Ecological Health:** Severely Degraded.

% Tree canopy: 10% % Non-Native Cover: 5

**General Note:** 

Parking lot with a boat ramp.

**Management Note:** 

**Eco Note:** 

Wetland indicators: Streams, Water Marks, Standing Flowing Water.

**Visit Species:** 

•	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Pinus contorta (lodgepole pine)	1% to 10%	Y	10-20"		
Acer circinatum (vine maple)	1% to 10%	Y			
Fraxinus sp. (Ash)	1% to 10%		5-10"		
Picea sp. (spruce)	1% to 10%		5-10"		
Pinus ponderosa (ponderosa pine)	trace		5-10"		
Cedrus sp. (cedar)	trace		0-5"		

#### Unit CATH\*007

Size: 0.68 Acres

**NVCS Class:** Woodland

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

NVCS Group: Mixed needle-leaved evergreen - cold-deciduous woodland

**NVCS SubGroup:** Cultural

**NVCS Ecological System:** unknown

**Landform:** Broad flat > 600'

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

**Notes:** 

Visit date: 10/5/2006

**Ecological Health:** Severely Degraded.

% Tree canopy: 50% % Non-Native Cover: 75

**General Note:** 

Grass is 40% coverage. The site borders parking lot and the Willamette river.

**Management Note:** 

The ROPSO needs to be removed along with RUDI2

**Eco Note:** 

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

**Primary Management concerns:** Invasives, Erosion, Litter, Large Refuse.

#### **Visit Species:**

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Thuja plicata (western red cedar)	10% to 20%	Y	10-20"		
Rubus discolor (Himalayan blackberry)	10% to 20%	Y			
Fraxinus sp. (Ash)	10% to 20%		10-20"		
Salix ×sepulcralis (weeping willow)	10% to 20%		10-20"	Y	
Populus balsamifera ssp. trichocarpa (black cott	1% to 10%		10-20"	Y	
Robinia pseudo-acacia (black locust)	1% to 10%		5-10"	Y	
Acer circinatum (vine maple)	1% to 10%				
Phalaris arundinacea (reed canarygrass)	1% to 10%				
Salix fluviatilis (Columbia River willow)	1% to 10%			Y	
Daucus carota (Queen Anne's lace)	trace				
Digitaria sanguinalis (hairy crabgrass)	trace				
Hypochaeris radicata (hairy cats-ear)	trace				
Plantago lanceolata (English narrowleaf buckhorn	trace				
Polygonum persicaria (spotted lady's-thumb)	trac	ce			
Rumex obtusifolius (bitter dock)	trace				
Taraxacum officinale (common dandelion)	trace				

#### Unit CATH\*008

Size: 0.52 Acres

**NVCS Class:** Shrubland

NVCS Subclass: Deciduous shrubland NVCS Group: Cold-deciduous shrubland NVCS SubGroup: Natural / Semi-natural NVCS Ecological System: unknown

**Landform:** Broad flat > 600' **Slope:** Gentle (5 to 10%)

**Aspect:** Southwest

**Notes:** 

Visit date: 10/5/2006

Ecological Health: Poor. % Tree canopy: 25% % Non-Native Cover: 55

**General Note:** 

Riparian edge of Willamette river including rip-rap and large woody debris. Sewage drainage into river in this unit. 15% grass with little tree cover.

#### **Management Note:**

#### **Eco Note:**

Wetland indicators: Flood Debris, Water Marks.

**Primary Management concerns:** Invasives, Trampling, Domestic Animals, Litter, Informal Trails.

### **Visit Species:**

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Populus balsamifera ssp. trichocarpa (black cott	10% to 20%	Y	5-10"	Y	
Cornus sericea ssp. sericea (red-osier dogwood)	10% to 20%	Y			
Alnus rubra (red alder)	10% to 20%		5-10"		
Salix fluviatilis (Columbia River willow)	10% to 20%				
Fraxinus latifolia (Oregon ash)	1% to 10%		0-5"	Y	
Acer circinatum (vine maple)	1% to 10%				
Berberis aquifolium (tall Oregon-grape)	1% to 10%				
Cichorium intybus (chicory)	1% to 10%				
Rosa pisocarpa (cluster wild peafruit swamp Rose	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				

Salix lucida ssp. lasiandra (Pacific willow)	1% to 10%	Y
Salix scouleriana (Scouler's willow)	1% to 10%	
Sambucus mexicana (blue elderberry)	1% to 10%	
Achillea millefolium (common Yarrow)	trace	
Cirsium vulgare (bull thistle)	trace	
Convolvulus arvensis (morning glory)	trace	
Daucus carota (Queen Anne's lace)	trace	
Digitaria sanguinalis (hairy crabgrass)	trace	
Dipsacus sylvestris (teasel)	trace	
Equisetum telmateia (giant horsetail)	trace	
Hypericum perforatum (common St. John's wort)	trace	
Lapsana communis (common nipplewort)	trace	
Lathyrus latifolius (perennial pea)	trace	
Plantago lanceolata (English narrowleaf buckhorn	trace	
Rumex obtusifolius (bitter dock)	trace	
Tanacetum vulgare (common tansy)	trace	
Taraxacum officinale (common dandelion)	trace	
Iris (iris) trace		
Oenothera villosa (hairy evening-primrose)	trace	

#### Unit CATH\*009

Size: 1.73 Acres

**NVCS Class:** Sparse vegetation

**NVCS Subclass:** Unconsolidated material sparse vegetation

NVCS Group: Sparsely vegetated sand flats NVCS SubGroup: Natural / Semi-natural NVCS Ecological System: unknown

**Landform:** Other **Slope:** Flat (0 to 5%) **Aspect:** Southwest

**Notes:** 

Visit date: 10/5/2006

**Ecological Health:** Severely Degraded.

% Tree canopy: 0%

% Non-Native Cover: trace

**General Note:** 

Beach sand and rock on the Willamette river. St. Johns bridge crosses over site.

**Management Note:** 

#### **Eco Note:**

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

**Primary Management concerns:** Erosion, Litter, Large Refuse.

### **Visit Species:**

•	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Salix fluviatilis (Columbia River willow)	1% to 10%	Y			
Chenopodium album (Goosefoot)	1% to 10%				
Fraxinus latifolia (Oregon ash)	trace		0-5"		
Populus balsamifera ssp. trichocarpa (black cott	trace		0-5"	Y	
Cirsium arvense (Canadian Thistle)	trace				
Digitaria sanguinalis (hairy crabgrass)	trace				
Prunella vulgaris ssp. lanceolata (lance selfhea	trace				
Rubus discolor (Himalayan blackberry)	trace				
Tanacetum vulgare (common tansy)	trace				
Polygonum sp. (knotweed)	trace				