PORTLAND PARKS & RECREATION
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Vegetation Unit Summaries for **Rocky Butte State Park (RBSP)**

Report date: 7/29/2009 '*' = non-native invasive species
Visit data as of: 7/29/2009

Unit RBSP*001

Size: 4.73 Acres
NVCS Class: Forest
NVCS Subclass: Evergreen forest
NVCS Group: Temperate needle-leaved evergreen forest
NVCS SubGroup: Natural / Semi-natural
NVCS Ecological System: unknown
Landform: Side-hill, Middle 3rd
Slope: unknown
Aspect: South
Notes:

Visit date: 11/6/2007

Ecological Health: Poor.
% Tree canopy: 90%
% Non-Native Cover: 80
General Note:
Very steep unit.
Management Note:
Lots of English ivy on the ground and Himalayan blackberry under power lines.
Eco Note:

Primary Management concerns: Invasives, Large Refuse, Yard Debris, Informal Trails.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Hedera helix (English ivy)	50% to 75%	Y			
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	10-20"	Y	
Acer macrophyllum (bigleaf maple)	20% to 50%		10-20"	Y	
Corylus cornuta (western beaked hazelnut)	10% to 20%	Y			
Clematis vitalba (clematis)	10% to 20%				
Rubus discolor (Himalayan blackberry)	10% to 20%				
Berberis nervosa (Oregon grape)	1% to 10%				
Crataegus monogyna (European hawthorn)	1% to 10%				
Holodiscus discolor (oceanspray)	1% to 10%				
Polystichum munitum (sword fern)	1% to 10%				
Symphoricarpos albus (snowberry)	1% to 10%				
Populus balsamifera ssp. trichocarpa (black cott	trace		20-30"		
Prunus avium (sweet pie cherry)	trace				

Unit RBSP*002

Size: 3.02 Acres
NVCS Class: Forest
NVCS Subclass: Deciduous forest
NVCS Group: Cold-deciduous forest
NVCS SubGroup: Natural / Semi-natural

NVCS Ecological System: unknown
Landform: Side-hill, Lower 3rd
Slope: unknown
Aspect: East
Notes:

Visit date: 11/5/2007

Ecological Health: Poor.
% Tree canopy: 85%
% Non-Native Cover: 50
General Note:
Rocky outcrop.
Eco Note:
Douglas fir have smaller DBH than other Douglas fir on Rocky Butte. 3 snags.
Primary Management concerns: Invasives.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	10% to 20%	Y	10-20"	Y	
Pseudotsuga menziesii (Douglas fir)	10% to 20%	Y	5-10"	Y	
Polystichum munitum (sword fern)	10% to 20%	Y			
Rubus discolor (Himalayan blackberry)	10% to 20%	Y			
Populus balsamifera ssp. trichocarpa (black cott	1% to 10%		5-10"		
Hedera helix (English ivy)	1% to 10%				
Holodiscus discolor (oceanspray)	1% to 10%				
Clematis vitalba (clematis)	trace				
Ilex aquafolium (English holly)	trace				
Prunus avium (sweet pie cherry)	trace				
Tellima grandiflora (fringecup)	trace				

Unit RBSP*003

Size: 1.47 Acres
NVCS Class: Forest
NVCS Subclass: Deciduous forest
NVCS Group: Cold-deciduous forest
NVCS SubGroup: Natural / Semi-natural
NVCS Ecological System: unknown
Landform: Side-hill, Upper 3rd
Slope: Extremely Steep (over 30%)
Aspect: South
Notes:

Visit date: 11/6/2007

Ecological Health: Severely Degraded.
% Tree canopy: 65%
% Non-Native Cover: 90
General Note:

Management Note:
Utility access is improving access for invasives species.
Eco Note:
2 snags.
Primary Management concerns: Invasives, Tree Topping, Yard Debris, Utility Infrastructure.
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"
Pseudotsuga menziesii (Douglas fir)	10% to 20%		10-20"
Clematis vitalba (clematis)	10% to 20%		
Corylus cornuta (western beaked hazelnut)	1% to 10%	Y	
Salix sp. (willow)	1% to 10%		5-10"
Cytisus scoparius (Scot's broom)	1% to 10%		
Polystichum munitum (sword fern)	1% to 10%		
Rubus discolor (Himalayan blackberry)	1% to 10%		
Amelanchier alnifolia (serviceberry)	trace		
Ilex aquafolium (English holly)	trace		
Prunus avium (sweet pie cherry)	trace		

Unit RBSP*004

Size: 1.21 Acres
NVCS Class: Sparse vegetation
NVCS Subclass: Boulder, gravel, cobble, or talus sparse vegetation
NVCS Group: Sparsely vegetated talus/scree slopes
NVCS SubGroup: Natural / Semi-natural
NVCS Ecological System: unknown
Landform: Side-hill, Middle 3rd
Slope: unknown
Aspect: East
Notes:

Visit date: 11/5/2007

Ecological Health: Poor.
% Tree canopy: 15%
% Non-Native Cover: 40
General Note:

Steep gravelly slope.

Wetland indicators: Streams.
Primary Management concerns: Invasives, Erosion.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Populus balsamifera ssp. trichocarpa (black cott	20% to 50%	Y	5-10"	Y	
Rubus discolor (Himalayan blackberry)	20% to 50%	Y			
Acer macrophyllum (bigleaf maple)	1% to 10%		10-20"		
Pseudotsuga menziesii (Douglas fir)	1% to 10%		5-10"	Y	
Betula pendula (European white birch)	1% to 10%		0-5"		
Alnus rubra (red alder)	trace		0-5"	Y	
Buddlea davidii (butterfly bush)	trace				
Crataegus monogyna (European hawthorn)	trace				
Cytisus scoparius (Scot's broom)	trace				
Holodiscus discolor (oceanspray)	trace				
Salix sp. (willow)	trace				

Unit RBSP*005

Size: 2.55 Acres
NVCS Class: Forest
NVCS Subclass: Mixed evergreen-deciduous forest
NVCS Group: Mixed needle-leaved evergreen - cold-deciduous forest
NVCS SubGroup: Natural / Semi-natural
NVCS Ecological System: unknown
Landform: Side-hill, Upper 3rd
Slope: unknown
Aspect: East
Notes:

Visit date: 11/6/2007

Ecological Health: Poor.
% Tree canopy: 90%
% Non-Native Cover: 85
General Note:
Steep unit.
Management Note:
High level of clematis in upper-/shrub level canopies.
Eco Note:
5 snags.
Primary Management concerns: Invasives, Litter.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Hedera helix (English ivy)	50% to 75%	Y			
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	10-20"	Y	
Acer macrophyllum (bigleaf maple)	20% to 50%		10-20"	Y	
Populus balsamifera ssp. trichocarpa (black cott	20% to 50%		10-20"	Y	
Corylus cornuta (western beaked hazelnut)	10% to 20%	Y			
Clematis vitalba (clematis)	10% to 20%				
Polystichum munitum (sword fern)	10% to 20%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Rubus parviflorus (thimbleberry)	1% to 10%				
Cornus sp. (Cornus ornamentals)	trace				
Ilex aquafolium (English holly)	trace				
Prunus avium (sweet pie cherry)	trace				
Salix sp. (willow)	trace				

Unit RBSP*006

Size: 1.35 Acres
NVCS Class: Forest
NVCS Subclass: Deciduous forest
NVCS Group: Cold-deciduous forest
NVCS SubGroup: Natural / Semi-natural
NVCS Ecological System: unknown
Landform: Side-hill, Lower 3rd
Slope: unknown
Aspect: East
Notes:

Visit date: 11/5/2007

Ecological Health: Fair.
% Tree canopy: 85%
% Non-Native Cover: 50
General Note:
Rock outcrop runs through entire unit.
Management Note:
Fence open at South end with litter and ODOT gravel pit. Low lying Himalayan blackberry (regrowth?) along the fence and poison hemlock atop all berms.
Eco Note:
1 snag.
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	
Hedera helix (English ivy)	20% to 50%	Y			
Acer macrophyllum (bigleaf maple)	10% to 20%		10-20"	Y	

Corylus cornuta (western beaked hazelnut)	1% to 10%	Y		
Alnus rubra (red alder)	1% to 10%		10-20"	Y
Pseudotsuga menziesii (Douglas fir)	1% to 10%		10-20"	Y
Polystichum munitum (sword fern)	1% to 10%			
Betula pendula (European white birch)	trace		0-5"	
Rubus discolor (Himalayan blackberry)	trace			

Unit RBSP*007

Size: 1.15 Acres
NVCS Class: Woodland
NVCS Subclass: Deciduous woodland
NVCS Group: Cold-deciduous woodland
NVCS SubGroup: Natural / Semi-natural
NVCS Ecological System: unknown
Landform: Broad flat > 600'
Slope: Flat (0 to 5%)
Aspect: East
Notes:

Visit date: 11/5/2007

Ecological Health: Poor.
% Tree canopy: 65%
% Non-Native Cover: 60
Management Note:

Himalayan blackberry along old road divides unit. English ivy has crowned 2/3 of trees and is knee-deep on the ground.

Eco Note:

2 snags.

Wetland indicators: Standing Flowing Water.
Primary Management concerns: Invasives, Soil Compaction, Litter, Hardscape Infrastructure.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Populus balsamifera ssp. trichocarpa (black cott	20% to 50%	Y	10-20"	Y	
Hedera helix (English ivy)	20% to 50%	Y			
Acer macrophyllum (bigleaf maple)	20% to 50%		10-20"	Y	
Rubus discolor (Himalayan blackberry)	20% to 50%				
Alnus rubra (red alder)	10% to 20%		5-10"	Y	
Corylus cornuta (western beaked hazelnut)	1% to 10%	Y			
Pseudotsuga menziesii (Douglas fir)	1% to 10%		10-20"	Y	
Conium maculatum (poison hemlock)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Phalaris arundinacea (reed canarygrass)	1% to 10%				
Polystichum munitum (sword fern)	1% to 10%				
Acer platanoides (Norway maple)	trace				
Berberis nervosa (Oregon grape)	trace				
Cirsium sp. (thistle)	trace				
Clematis vitalba (clematis)	trace				
Dipsacus sylvestris (teasel)	trace				

Unit RBSP*008

Size: 12.35 Acres
NVCS Class: Forest
NVCS Subclass: Deciduous forest
NVCS Group: Cold-deciduous forest
NVCS SubGroup: Natural / Semi-natural
NVCS Ecological System: unknown
Landform: Side-hill, Middle 3rd

Slope: Extremely Steep (over 30%)
Aspect: East
Notes:

Visit date: 11/5/2007

Ecological Health: Severely Degraded.
% Tree canopy: 90%
% Non-Native Cover: 85
Eco Note:

Shrub layer is generally scarce. English ivy is actively killing trees. 7 snags.

Primary Management concerns: Invasives, Litter.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	over 75%	Y	10-20"	Y	
Hedera helix (English ivy)	over 75%	Y			
Corylus cornuta (western beaked hazelnut)	1% to 10%	Y			
Alnus rubra (red alder)	1% to 10%		10-20"	Y	
Populus balsamifera ssp. trichocarpa (black cott	1% to 10%		10-20"	Y	
Pseudotsuga menziesii (Douglas fir)	1% to 10%		10-20"		
Acer circinatum (vine maple)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Rubus parviflorus (thimbleberry)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Symphoricarpos albus (snowberry)	1% to 10%				
Prunus avium (sweet pie cherry)	trace		10-20"		
Clematis vitalba (clematis)	trace				
Holodiscus discolor (oceanspray)	trace				
Salix sp. (willow)	trace				
Urtica dioica (stinging nettle)	trace				
Vaccinium parvifolum (red huckleberry)	trace				

Unit RBSP*009

Size: 5.21 Acres
NVCS Class: Forest
NVCS Subclass: Deciduous forest
NVCS Group: Cold-deciduous forest
NVCS SubGroup: Natural / Semi-natural
NVCS Ecological System: unknown
Landform: Broad flat > 600'
Slope: Gentle (5 to 10%)
Aspect: East
Notes:

Visit date: 11/6/2007

Ecological Health: Poor.
% Tree canopy: 85%
% Non-Native Cover: 85
General Note:

Unit focuses on low possible drainage area.

Management Note:

Himalayan blackberry hedge along fence.

Eco Note:

3 snags.

Wetland indicators: Streams.
Primary Management concerns: Invasives, Litter, Homeless Camp, Informal Trails.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Hedera helix (English ivy)	50% to 75%	Y			
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y		Y	
Acer macrophyllum (bigleaf maple)	20% to 50%		10-20"	Y	
Rubus discolor (Himalayan blackberry)	20% to 50%				
Acer circinatum (vine maple)	1% to 10%				
Berberis nervosa (Oregon grape)	1% to 10%				
Polystichum munitum (sword fern)	1% to 10%				
Prunus laurocerasus (English laurel)	1% to 10%				
Symphoricarpos albus (snowberry)	1% to 10%				
Thuja plicata (western red cedar)	trace		10-20"		
Salix sp. (willow)	trace		5-10"		
Rhamnus purshiana (cascara)	trace		0-5"		
Rubus parviflorus (thimbleberry)	trace				
Sambucus racemosa (red elderberry)	trace				

Unit RBSP*010

Size: 21.37 Acres
NVCS Class: Forest
NVCS Subclass: Mixed evergreen-deciduous forest
NVCS Group: Mixed needle-leaved evergreen - cold-deciduous forest
NVCS SubGroup: Natural / Semi-natural
NVCS Ecological System: unknown
Landform: Side-hill, Middle 3rd
Slope: unknown
Aspect: East
Notes:

Visit date: 11/6/2007

Ecological Health: Poor.
% Tree canopy: 85%
% Non-Native Cover: 80
General Note:

Management Note:
Large pockets of clematis and refuse, especially at top and bottom of unit.
Eco Note:
Northeast end of unit has better sword fern / low Oregon grape groundcover. 11 snags.
Wetland indicators: Streams.
Primary Management concerns: Invasives, Litter, Large Refuse, Informal Trails.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Hedera helix (English ivy)	50% to 75%	Y			
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	20-30"	Y	
Pseudotsuga menziesii (Douglas fir)	20% to 50%		20-30"	Y	
Clematis vitalba (clematis)	10% to 20%				
Corylus cornuta (western beaked hazelnut)	1% to 10%	Y			
Populus balsamifera ssp. trichocarpa (black cott	1% to 10%		20-30"		
Alnus rubra (red alder)	1% to 10%		10-20"		
Acer circinatum (vine maple)	1% to 10%				
Berberis nervosa (Oregon grape)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Polystichum munitum (sword fern)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Prunus avium (sweet pie cherry)	trace				
Sambucus racemosa (red elderberry)	trace				
Symphoricarpos albus (snowberry)	trace				

Unit RBSP*011

Size: 13.28 Acres

NVCS Class: Forest
NVCS Subclass: Mixed evergreen-deciduous forest
NVCS Group: Mixed needle-leaved evergreen - cold-deciduous forest
NVCS SubGroup: Natural / Semi-natural
NVCS Ecological System: unknown
Landform: Side-hill, Lower 3rd
Slope: unknown
Aspect: Northeast
Notes:

Visit date: 11/2/2007

Ecological Health: Fair.
% Tree canopy: 70%
% Non-Native Cover: 40
General Note:
Unit has large open areas.
Management Note:
There are many bike trails and jumps. The main trail is bounded by Himalayan blackberry.
Eco Note:
4 snags.
Wetland indicators: Standing Flowing Water.
Primary Management concerns: Invasives, Soil Compaction, Litter, Vandalism, Mountain Bike Impact, Informal Trails.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Polystichum munitum (sword fern)	50% to 75%	Y			
Acer macrophyllum (bigleaf maple)	20% to 50%	Y		Y	
Hedera helix (English ivy)	20% to 50%				
Ilex aquafolium (English holly)	10% to 20%	Y			
Pseudotsuga menziesii (Douglas fir)	1% to 10%		10-20"		
Corylus cornuta (western beaked hazelnut)	1% to 10%				
Cytisus scoparius (Scot's broom)	1% to 10%				
Prunus emarginata (bitter cherry)	1% to 10%				
Symphoricarpos albus (snowberry)	1% to 10%				
Populus balsamifera ssp. trichocarpa (black cott	trace		10-20"		
Salix sitchensis (Sitka willow)	trace		5-10"		
Acer platanoides (Norway maple)	trace				
Spiraea douglasii (Douglas' spiraea)	trace				

Unit RBSP*012

Size: 5.88 Acres
NVCS Class: Forest
NVCS Subclass: Deciduous forest
NVCS Group: Cold-deciduous forest
NVCS SubGroup: Natural / Semi-natural
NVCS Ecological System: unknown
Landform: Broad flat > 600'
Slope: Gentle (5 to 10%)
Aspect: Northeast
Notes:

Visit date: 11/2/2007

Ecological Health: Severely Degraded.
% Tree canopy: 70%

% Non-Native Cover: 70
General Note:

Management Note:

Mixed tree ivy management.

Eco Note:

Some noticeable patches of sword fern. 13 snags.

Primary Management concerns: Invasives, Yard Debris, Vandalism, Mountain Bike Impact, Informal Trails.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Rubus discolor (Himalayan blackberry)	50% to 75%	Y			
Hedera helix (English ivy)	50% to 75%				
Prunus laurocerasus (English laurel)	20% to 50%	Y			
Corylus cornuta (western beaked hazelnut)	20% to 50%				
Acer macrophyllum (bigleaf maple)	10% to 20%	Y	5-10"	Y	
Pseudotsuga menziesii (Douglas fir)	10% to 20%		10-20"	Y	
Thuja plicata (western red cedar)	1% to 10%		5-10"		
Alnus rubra (red alder)	1% to 10%		0-5"		
Acer circinatum (vine maple)	1% to 10%				
Polystichum munitum (sword fern)	1% to 10%				
Pinus ponderosa (ponderosa pine)	trace		20-30"		