Vegetation Unit Summaries for Rocky Butte Natural Area (RBNA)

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

Visit data as of: 7/29/2009

Unit RBNA*001

Size: 0.40 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: CES204.845 North Pacific Dry Douglas-fir Forest and Woodland

Landform: Side-hill, Middle 3rd **Slope:** Extremely Steep (over 30%)

Aspect: Southeast

Notes:

Visit date: 9/9/2003

Ecological Health: Fair. % Tree canopy: 70%

% Non-Native Cover: not recorded

General Note:

S.E. side of Rocky Butte. Species of Interest: Cornus nuttallii

Management Note:

Edges of unit dominated by RUDI.

Eco Note:

Steep slope/cliff on side of butte. Soil rocky, intermixed with various sizes of boulders. Interior of unit fairly diverse with natives.

Primary Management concerns: Invasives, Hardscape Infrastructure.

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"	Y	
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	10-20"	Y	
Clematis vitalba (clematis)	20% to 50%	Y			
Acer circinatum (vine maple)	10% to 20%				
Corylus cornuta (western beaked hazelnut)	10% to 20%				
Cornus nuttallii (Pacific dogwood)	1% to 10%		0-5"		
Ilex aquafolium (English holly)	1% to 10%				
Polystichum munitum (sword fern)	1% to 10%				
Rubus parviflorus (thimbleberry)	1% to 10%				
Rubus ursinus (trailing blackberry)	1% to 10%				
Smilacina racemosa (false Solomon's-seal)	1% to 10%				
Symphoricarpos albus (snowberry)	1% to 10%				
Tellima grandiflora (fringecup)	1% to 10%				
Achlys triphylla (vanillaleaf)	trace				
Carex deweyana (Dewey sedge)	trace				
Hedera helix (English ivy)	trace				
Rosa gymnocarpa (dwarf wood rose)	trace				

Unit RBNA*002

Size: 0.22 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: CES204.087 North Pacific Montane Shrubland

Landform: Side-hill, Middle 3rd **Slope:** Extremely Steep (over 30%)

Aspect: East **Notes:**

Visit date: 9/9/2003

Ecological Health: Severely Degraded.

% Tree canopy: 10%

% Non-Native Cover: not recorded

General Note:

Area cleared (long ago?) to increase view towards Columbia. East side of Rocky Butte. Species of Interest:

Prunus emarginata

Management Note:

Unit dominated by CRMO, CLVI and RUDI.

Eco Note:

Steep slope/cliff on side of butte. Soil rocky, intermixed with various sizes of boulders.

Primary Management concerns: Invasives, Yard Debris, Hardscape Infrastructure.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Rubus discolor (Himalayan blackberry)	50% to 75%	Y			
Acer macrophyllum (bigleaf maple)	20% to 50%		0-5"	Y	
Clematis vitalba (clematis)	20% to 50%				
Corylus cornuta (western beaked hazelnut)	10% to 20%				
Salix sitchensis (Sitka willow)	10% to 20%				
Prunus emarginata (bitter cherry)	1% to 10%		5-10"	Y	
Crataegus monogyna (European hawthorn)	1% to 10%				
Sonchus oleraceus (sow thistle)	1% to 10%				
Thuja plicata (western red cedar)	trace		0-5"	Y	
Cirsium vulgare (bull thistle)	trace				
Daucus carota (Queen Anne's lace)	trace				
Solanum nigrum (black nightshade)	trace				

Unit RBNA*003

Size: 0.59 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: CES204.845 North Pacific Dry Douglas-fir Forest and Woodland

Landform: Side-hill, Middle 3rd **Slope:** Extremely Steep (over 30%)

Aspect: East Notes:

Visit date: 9/9/2003

Ecological Health: Fair. **% Tree canopy:** 80%

% Non-Native Cover: not recorded

General Note:

East side of Rocky Butte. Species of Interest: Prunus emarginata. People are accessing unit from road--lots of trash and other sundries right off road in unit.

Management Note:

Invasives dominate edges of unit.

Eco Note:

Steep slope/cliff on side of butte. Soil rocky, intermixed with various sizes of boulders. Interior of unit fairly diverse with natives.

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

Visit Species:

-	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	20-30"		
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"		
Corylus cornuta (western beaked hazelnut)	20% to 50%	Y			
Acer circinatum (vine maple)	10% to 20%				
Alnus rubra (red alder)	1% to 10%		5-10"		
Prunus emarginata (bitter cherry)	1% to 10%		0-5"	Y	
Clematis vitalba (clematis)	1% to 10%				
Polystichum munitum (sword fern)	1% to 10%				
Rubus parviflorus (thimbleberry)	1% to 10%				
Rubus ursinus (trailing blackberry)	1% to 10%				
Salix sitchensis (Sitka willow)	1% to 10%				
Smilacina racemosa (false Solomon's-seal)	1% to 10%				
Geranium robertianum (herb-Robert)	trace				
Hedera helix (English ivy)	trace				
Holodiscus discolor (oceanspray)	trace				
Lactuca muralis (wall lettuce)	trace				
Tellima grandiflora (fringecup)	trace				

Unit RBNA*004

Size: 0.3 Acres

NVCS Class: Shrubland

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

NVCS Ecological System: CES204.087 North Pacific Montane Shrubland

Landform: Side-hill, Middle 3rd **Slope:** Extremely Steep (over 30%)

Aspect: Northeast

Notes:

Visit date: 9/9/2003

Ecological Health: Severely Degraded.

% Tree canopy: 0%

% Non-Native Cover: not recorded

General Note:

Area cleared (long ago?) to increase view towards Columbia. Northeast side of Rocky Butte.

Management Note:

Unit dominated by RUDI.

Eco Note:

Steep slope/cliff on side of butte. Soil rocky, intermixed with various sizes of boulders.

Primary Management concerns: Invasives, Yard Debris, Hardscape Infrastructure. **Visit Species:**

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	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Rubus discolor (Himalayan blackberry)	50% to 75%	Y			
Clematis vitalba (clematis)	20% to 50%	Y			
Hedera helix (English ivy)	10% to 20%				
Acer macrophyllum (bigleaf maple)	trace		0-5"	Y	

Unit RBNA*005

Size: 0.10 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: Broad flat > 600' **Slope:** Gentle (5 to 10%)

Aspect: South

Notes:

Visit date: 11/6/2007

Ecological Health: Poor. % Tree canopy: 40% % Non-Native Cover: 60

General Note:

This parcel is fenced in by a neighbor and being used as there backyard.

Management Note:

There is some lawn and a large patch of English ivy.

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"		
Prunus avium (sweet pie cherry)	1% to 10%		5-10"		
Clematis vitalba (clematis)	1% to 10%				
Rhododendron sp. (rhododendron)	1% to 10%				

Unit RBNA*006

Size: 7.06 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: CES204.845 North Pacific Dry Douglas-fir Forest and Woodland

Landform: Side-hill, Middle 3rd **Slope:** Extremely Steep (over 30%)

Aspect: Northwest

Notes:

Visit date: 9/10/2003

Ecological Health: Poor. **% Tree canopy:** 70%

% Non-Native Cover: not recorded

General Note:

Very steep NW facing slope-ivy dominates forest floor.

Management Note:

Eco Note:

PSME regeneration present.

Primary Management concerns: Invasives, Litter, Large Refuse, Yard Debris, Utility Infrastructure, 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	20-30"		
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"	Y	
Clematis vitalba (clematis)	20% to 50%	Y			
Corylus cornuta (western beaked hazelnut)	20% to 50%	Y			
Acer circinatum (vine maple)	10% to 20%				
Polystichum munitum (sword fern)	10% to 20%				
Berberis nervosa (Oregon grape)	1% to 10%				
Disporum hookeri (Hooker's fairybells)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Prunus laurocerasus (English laurel)	1% to 10%				
Pteridium aquilinum (bracken fern)	1% to 10%				
Rosa gymnocarpa (dwarf wood rose)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Rubus parviflorus (thimbleberry)	1% to 10%				
Rubus ursinus (trailing blackberry)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Smilacina racemosa (false Solomon's-seal)	1% to 10%				
Sorbus aucuparia (European mountain ash)	trace		0-5"		
Achlys triphylla (vanillaleaf)	trace				
Crataegus monogyna (European hawthorn)	trace				
Tellima grandiflora (fringecup)	trace				
Trillium chloropetalum (giant Califronia wakerob	trace				

Unit RBNA*007

Size: 3.6 Acres

NVCS Class: Forest

NVCS Subclass: Deciduous forest NVCS Group: Cold-deciduous forest NVCS SubGroup: Natural / Semi-natural

NVCS Ecological System: CES204.846 North Pacific Broadleaf Mesic Seral Forest

Landform: Side-hill, Middle 3rd **Slope:** Extremely Steep (over 30%)

Aspect: Northeast

Notes:

Visit date: 9/9/2003

Ecological Health: Poor. **% Tree canopy:** 60%

% Non-Native Cover: not recorded

General Note:

Species of Interest: Prunus emarginata, Prunus virginiana. Some well established informal trails run through unit--handmade bridges span gullies.

Management Note:

Ivy dominates forest floor on north half of unit.

Eco Note:

Steep slope/cliff on side of butte. Soil rocky, intermixed with various sizes of boulders. Plant diversity fairly good in interior of unit.

Primary Management concerns: Invasives, Litter, Utility Infrastructure, 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	10-20"	Y	
Corylus cornuta (western beaked hazelnut)	20% to 50%	Y			
Clematis vitalba (clematis)	10% to 20%				
Polystichum munitum (sword fern)	10% to 20%				
Alnus rubra (red alder)	1% to 10%		10-20"		
Prunus emarginata (bitter cherry)	1% to 10%		5-10"		

Acer circinatum (vine maple) Achlys triphylla (vanillaleaf) Berberis nervosa (Oregon grape) Ilex aquafolium (English holly) Pteridium aquilinum (bracken fern) Rubus discolor (Himalayan blackberry) Rubus parviflorus (thimbleberry) Smilacina racemosa (false Solomon's-seal)	1% to 10%		
Tellima grandiflora (fringecup)	1% to 10%		
Prunus virginiana (chokecherry)	trace	10-20"	Y
Rhamnus purshiana (cascara)	trace	5-10"	
Sorbus aucuparia (European mountain ash)	trace	5-10"	
Carex deweyana (Dewey sedge)	trace		
Disporum hookeri (Hooker's fairybells)	trace		
Holodiscus discolor (oceanspray)	trace		

Unit RBNA*008

Size: 0.58 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: CES204.845 North Pacific Dry Douglas-fir Forest and Woodland

Landform: Side-hill, Middle 3rd **Slope:** Extremely Steep (over 30%)

Aspect: West

Notes:

Visit date: 9/10/2003

Ecological Health: Poor. **% Tree canopy:** 70%

% Non-Native Cover: not recorded

General Note:

Management Note:

Eco Note:

Small unit with ACPL infestation- as well as HEHE and CLVI. Lots of SYAL. Edges of unit more affected by invasives than the interior.

Primary Management concerns: Invasives, Litter, Informal Trails.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	20-30"	Y	
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"	Y	
Clematis vitalba (clematis)	20% to 50%	Y			
Corylus cornuta (western beaked hazelnut)	20% to 50%	Y			
Symphoricarpos albus (snowberry)	20% to 50%	Y			
Hedera helix (English ivy)	20% to 50%				
Abies grandis (grand fir)	10% to 20%		10-20"		
Acer circinatum (vine maple)	10% to 20%				
Ilex aquafolium (English holly)	10% to 20%				
Rubus discolor (Himalayan blackberry)	10% to 20%				
Acer platanoides (Norway maple)	1% to 10%		5-10"	Y	
Disporum hookeri (Hooker's fairybells)	1% to 10%				
Lathyrus polyphyllus (Pacific leafy peavine)	trace				
Smilacina racemosa (false Solomon's-seal)	trace				
Tellima grandiflora (fringecup)	trace				
Vancouveria hexandra (white inside-out-flower)	trace				

Unit RBNA*009

Size: 2.13 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: CES204.845 North Pacific Dry Douglas-fir Forest and Woodland

Landform: Side-hill, Middle 3rd **Slope:** Extremely Steep (over 30%)

Aspect: West

Notes:

Visit date: 9/10/2003

Ecological Health: Poor. **% Tree canopy:** 65%

% Non-Native Cover: not recorded

General Note:

Unit is bordered by busy roads and residential properties on all sides. Steep west facing slope covered in

river rock/cobblestones.

Management Note:

Eco Note:

HEHE & CLVI dominate.

Primary Management concerns: Invasives, Litter, Large Refuse, Hardscape 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"	Y	
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	10-20"	Y	
Corylus cornuta (western beaked hazelnut)	20% to 50%	Y			
Clematis vitalba (clematis)	20% to 50%				
Rubus parviflorus (thimbleberry)	20% to 50%				
Populus balsamifera ssp. trichocarpa (black cott	10% to 20%		10-20"	Y	
Ilex aquafolium (English holly)	10% to 20%				
Polystichum munitum (sword fern)	10% to 20%				
Acer platanoides (Norway maple)	1% to 10%		0-5"	Y	
Prunus emarginata (bitter cherry)	1% to 10%		0-5"	Y	
Disporum hookeri (Hooker's fairybells)	1% to 10%				
Lathyrus polyphyllus (Pacific leafy peavine)	1% to 10%				
Athyrium filix-femina (ladyfern)	trace				
Crataegus monogyna (European hawthorn)	trace				
Cytisus scoparius (Scot's broom)	trace				
Lonicera ciliosa (western orange honeysuckle)	trace				
Philadelphus lewisii (Lewis' mockorange)	trace				
Toxicodendron diversilobum (poison oak)	trace				

Unit RBNA*010

Size: 2.68 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: CES204.002 North Pacific Maritime Wet-Mesic Douglas-fir-

Western Hemlock Forest

Landform: Side-hill, Lower 3rd **Slope:** Extremely Steep (over 30%)

Aspect: West

Notes:

Visit date: 9/9/2003

Ecological Health: Poor. **% Tree canopy:** 60%

% Non-Native Cover: not recorded

General Note:

Species of Interest: Cornus nuttallii

Management Note:

Invasives are running amok in this unit.

Eco Note:

Unit consists of the lower 1/3 of Rocky Butte bordered by roads and residential properties.

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

Visit Species:

COVER CLASS DOMINANT DBH REGENERATING PLAN

	COVER CLASS	DOMINANT.	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	50% to 75%	Y	10-20"	Y	
Corylus cornuta (western beaked hazelnut)	20% to 50%	Y			
Clematis vitalba (clematis)	20% to 50%				
Rubus discolor (Himalayan blackberry)	20% to 50%				
Acer circinatum (vine maple)	10% to 20%				
Hedera helix (English ivy)	10% to 20%				
Pseudotsuga menziesii (Douglas fir)	1% to 10%		20-30"	Y	
Alnus rubra (red alder)	1% to 10%		10-20"	Y	
Acer platanoides (Norway maple)	1% to 10%		0-5"	Y	
Lactuca muralis (wall lettuce)	1% to 10%				
Lathyrus polyphyllus (Pacific leafy peavine)	1% to 10%				
Polystichum munitum (sword fern)	1% to 10%				
Rubus parviflorus (thimbleberry)	1% to 10%				
Thuja plicata (western red cedar)	trace		20-30"		
Cornus nuttallii (Pacific dogwood)	trace		5-10"		
Sorbus aucuparia (European mountain ash)	trace		0-5"		
Crataegus monogyna (European hawthorn)	trace				