PORTLAND PARKS & RECREATION
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Vegetation Unit Summaries for **Clatsop Butte Natural Area (CBNA)**

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

Unit CBNA*001

Size: 0.72 Acres
NVCS Class: Forest
NVCS Subclass: Deciduous forest
NVCS Group: Cold-deciduous forest
NVCS SubGroup: Natural / Semi-natural
NVCS Ecological System: unknown
Landform: Bench/Terrace
Slope: Flat (0 to 5%)
Aspect: Northeast
Notes:

Visit date: 9/19/2007

Ecological Health: Severely Degraded.
% Tree canopy: 65%
% Non-Native Cover: 95
General Note:
This unit consists of a narrow riparian strip along Johnson Creek.
Management Note:
The entire streambank is rip-rapped up to 10 feet off the water surface.
Eco Note:
The trees in the unit are fairly small allowing ample sunlight to foster a completely invasive understory.
Wetland indicators: Streams, Standing Flowing Water.
Primary Management concerns: Invasives, Hardscape Infrastructure, Informal Trails.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"		
Phalaris arundinacea (reed canarygrass)	20% to 50%	Y			
Rubus discolor (Himalayan blackberry)	20% to 50%	Y			
Geranium robertianum (herb-Robert)	1% to 10%	Y			
Populus balsamifera ssp. trichocarpa (black cott	1% to 10%		20-30"	Y	
Alnus rubra (red alder)	1% to 10%		10-20"		
Symphoricarpos albus (snowberry)	1% to 10%				
Urtica dioica (stinging nettle)	1% to 10%				
Fraxinus latifolia (Oregon ash)	trace		5-10"		
Prunus avium (sweet pie cherry)	trace		0-5"	Y	
Pseudotsuga menziesii (Douglas fir)	trace		0-5"		Y
Polygonum cuspidatum (Japanese knotweed)	trace				
Rubus spectabilis (salmonberry)	trace				

Unit CBNA*002

Size: 1.87 Acres
NVCS Class: Forest
NVCS Subclass: Deciduous forest
NVCS Group: Cold-deciduous forest

NVCS SubGroup: Natural / Semi-natural
NVCS Ecological System: unknown
Landform: Bench/Terrace
Slope: Flat (0 to 5%)
Aspect: Northeast

Visit date: 9/13/2007

Ecological Health: Poor.
% Tree canopy: 70%
% Non-Native Cover: 80
General Note:

This unit is a flat bench along the south shore of Johnson creek. A varied tree canopy and several weedy species characterize the site.

Management Note:

There is an upside down car in the unit.

Eco Note:

The forb and low shrub layer consist almost entirely of weedy species. Rip rap along Johnson Creek is the hardscape in this unit.

Wetland indicators: Streams, Surface Water, Standing Flowing Water.
Primary Management concerns: Invasives, Litter, Large Refuse, Hardscape Infrastructure, Informal Trails.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Hedera helix (English ivy)	20% to 50%	Y			
Phalaris arundinacea (reed canarygrass)	20% to 50%	Y			
Rubus discolor (Himalayan blackberry)	20% to 50%	Y			
Acer macrophyllum (bigleaf maple)	20% to 50%		10-20"	Y	
Populus balsamifera ssp. trichocarpa (black cott	10% to 20%	Y	>30"		
Alnus rubra (red alder)	10% to 20%		10-20"		
Thuja plicata (western red cedar)	10% to 20%		10-20"	Y	
Tolmiea menziesii (piggy-back plant)	10% to 20%				
Ilex aquafolium (English holly)	1% to 10%		0-5"		
Impatiens capensis (spotted orange touch-me-not)	1% to 10%				
Oemleria cerasiformis (Indian-plum)	1% to 10%				
Polystichum munitum (sword fern)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Picea sitchensis (Sitka spruce)	trace		10-20"		
Fraxinus latifolia (Oregon ash)	trace		0-5"	Y	
Pseudotsuga menziesii (Douglas fir)	trace		0-5"		Y
Crataegus monogyna (European hawthorn)	trace				
Geranium robertianum (herb-Robert)	trace				
Glecoma hederacea (Ground-ivy)	trace				
Polygonum sachalinense (giant Sakhalin knotweed)	trace				
Ranunculus repens (creeping buttercup)	trace				

Unit CBNA*003

Size: 6.45 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, Lower 3rd
Slope: Steep (20 to 30%)
Aspect: North

Visit date: 9/13/2007

Ecological Health: Good.

% Tree canopy: 85%
% Non-Native Cover: trace
General Note:
There is a deep ravine in this unit.
Management Note:
Holly is only spotty in unit. Small trace of ivy in the north end above Johnson Creek.
Eco Note:
Douglas fir dominates over a dense layer of multi-aged western red-cedar. Mature bigleaf maple fills in gaps.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	20-30"		
Thuja plicata (western red cedar)	20% to 50%	Y	10-20"	Y	
Berberis nervosa (Oregon grape)	20% to 50%	Y			
Polystichum munitum (sword fern)	20% to 50%	Y			
Acer macrophyllum (bigleaf maple)	10% to 20%		10-20"		
Alnus rubra (red alder)	1% to 10%		10-20"		
Acer circinatum (vine maple)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Rubus ursinus (trailing blackberry)	1% to 10%				
Tolmiea menziesii (piggy-back plant)	1% to 10%				
Urtica dioica (stinging nettle)	1% to 10%				
Hedera helix (English ivy)	trace				
Ilex aquafolium (English holly)	trace				

Unit CBNA*004

Size: 1.72 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: Northeast

Visit date: 3/21/2008

Ecological Health: Severely Degraded.
% Tree canopy: 60%
% Non-Native Cover: 35
General Note:
The heart of the unit is a gravel covered flat cut/fill grade. Perhaps there was a structure here.
Management Note:
The leveled area has replantings and no weeds at time of visit.
Eco Note:
Some replantings have occurred on the grade.
Wetland indicators: Springs.
Primary Management concerns: Invasives, Erosion, Soil Compaction, Litter, Hardscape Infrastructure.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Pseudotsuga menziesii (Douglas fir)	10% to 20%	Y	20-30"		
Thuja plicata (western red cedar)	10% to 20%	Y	20-30"	Y	
Hedera helix (English ivy)	10% to 20%	Y			
Oemleria cerasiformis (Indian-plum)	1% to 10%	Y			
Populus balsamifera ssp. trichocarpa (black cott	1% to 10%		20-30"		
Acer macrophyllum (bigleaf maple)	1% to 10%		5-10"		Y
Polystichum munitum (sword fern)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				

Sequoiadendron giganteum (giant redwood)	trace		20-30"	
Acer circinatum (vine maple)	trace			Y
Corylus avellana (common filbert)	trace			
Geranium robertianum (herb-Robert)	trace			
Rhododendron sp. (rhododendron)	trace			
Rubus discolor (Himalayan blackberry)	trace			
Rumex obtusifolius (bitter dock)	trace			

Unit CBNA*006

Size: 11.94 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: Gentle (10 to 20%)
Aspect: North
Notes:

Visit date: 9/6/2007

Ecological Health: Good.
% Tree canopy: 85%
% Non-Native Cover: 15
Management Note:

This unit has very few weeds and 1 old road grade.

Eco Note:

The non-native cover is mostly attributed to non-native Corylus.

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

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	50% to 75%	Y	10-20"		
Polystichum munitum (sword fern)	20% to 50%	Y			
Berberis nervosa (Oregon grape)	10% to 20%	Y			
Alnus rubra (red alder)	10% to 20%		10-20"		
Corylus avellana (common filbert)	1% to 10%	Y			
Rubus ursinus (trailing blackberry)	1% to 10%	Y			
Urtica dioica (stinging nettle)	1% to 10%	Y			
Pseudotsuga menziesii (Douglas fir)	1% to 10%		10-20"	Y	
Thuja plicata (western red cedar)	1% to 10%		10-20"	Y	
Acer circinatum (vine maple)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Prunus avium (sweet pie cherry)	trace		10-20"		
Bromus carinatus (mountain California Brome-gras	trace				
Geum urbanum (herb bennet)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Polygonum sp. (knotweed)	trace				
Prunella vulgaris var. vulgaris (common selfheal	trace				
Ranunculus repens (creeping buttercup)	trace				
Rubus discolor (Himalayan blackberry)	trace				
Rumex obtusifolius (bitter dock)	trace				

Unit CBNA*007

Size: 2.61 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, Lower 3rd
Slope: Extremely Steep (over 30%)
Aspect: Northwest

Visit date: 9/13/2007

Ecological Health: Poor.
% Tree canopy: 80%
% Non-Native Cover: 45
General Note:

This unit fronts the backyard of several houses.

Management Note:

One house has a large flower and shrub garden encroaching on the property. Ivy and blackberry are spreading throughout the unit. Many trees have Ivy climbing near their tops.

Eco Note:

Large tree structure present but the understory native structure is getting taken over by invasives.

Wetland indicators: Streams.
Primary Management concerns: Invasives, Litter, Large Refuse, Yard Debris, Informal Trails, Encroachment.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	20-30"		
Thuja plicata (western red cedar)	20% to 50%	Y	20-30"	Y	
Polystichum munitum (sword fern)	10% to 20%	Y			
Acer macrophyllum (bigleaf maple)	10% to 20%		10-20"	Y	
Hedera helix (English ivy)	1% to 10%	Y			
Oemleria cerasiformis (Indian-plum)	1% to 10%	Y			
Tolmiea menziesii (piggy-back plant)	1% to 10%	Y			
Alnus rubra (red alder)	1% to 10%		5-10"	Y	
Corylus avellana (common filbert)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Prunus avium (sweet pie cherry)	trace		10-20"		
Crataegus monogyna (European hawthorn)	trace				
Digitalis purpurea (purple foxglove)	trace				
Geranium robertianum (herb-Robert)	trace				
Ilex aquafolium (English holly)	trace				

Unit CBNA*008

Size: 0.91 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: Flat (0 to 5%)
Aspect: Northwest

Visit date: 9/13/2007

Ecological Health: Fair.
% Tree canopy: 65%
% Non-Native Cover: 20
General Note:

Pure alder stand more recently logged than the rest of the property. No conifer regeneration.

Management Note:

Some large infestations of blackberry can be found in the north and south ends of the unit.

Primary Management concerns: Invasives.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Alnus rubra (red alder)	50% to 75%	Y	10-20"		
Polystichum munitum (sword fern)	10% to 20%	Y			
Rubus discolor (Himalayan blackberry)	10% to 20%	Y			
Sambucus racemosa (red elderberry)	10% to 20%	Y			
Tolmiea menziesii (piggy-back plant)	1% to 10%	Y			
Acer macrophyllum (bigleaf maple)	1% to 10%		5-10"	Y	
Impatiens capensis (spotted orange touch-me-not)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Rubus ursinus (trailing blackberry)	1% to 10%				
Urtica dioica (stinging nettle)	1% to 10%				
Athyrium filix-femina (ladyfern)	trace				
Digitalis purpurea (purple foxglove)	trace				
Hedera helix (English ivy)	trace				
Ilex aquafolium (English holly)	trace				

Unit CBNA*010

Size: 1.69 Acres
NVCS Class: Woodland
NVCS Subclass: Deciduous woodland
NVCS Group: Cold-deciduous woodland
NVCS SubGroup: Cultural
NVCS Ecological System: unknown
Landform: Other
Slope: Flat (0 to 5%)
Aspect: North
Notes: This unit is the driveway, house, lawn and graded area.

Visit date: 9/6/2007

Ecological Health: Severely Degraded.
% Tree canopy: 60%
% Non-Native Cover: 90

General Note:

This unit comprises the house, lawn, driveway, and surrounding graded areas around the house.

Management Note:

Blackberry is thriving everywhere except the lawn which has previously been mowed and the driveway which is packed gravel.

Eco Note:

Primary Management concerns: Invasives, Soil Compaction, Litter, Large Refuse, Utility Infrastructure, Hardscape Infrastructure.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Rubus discolor (Himalayan blackberry)	50% to 75%	Y			
Alnus rubra (red alder)	20% to 50%	Y	5-10"		
Pseudotsuga menziesii (Douglas fir)	1% to 10%		10-20"		Y
Thuja plicata (western red cedar)	1% to 10%		10-20"	Y	
Urtica dioica (stinging nettle)	1% to 10%				
Sorbus aucuparia (European mountain ash)	trace		5-10"		
Convolvulus arvensis (morning glory)	trace				
Corylus cornuta (western beaked hazelnut)	trace				
Crataegus monogyna (European hawthorn)	trace				
Epilobium ciliatum ssp. watsonii (fringed willow	trace				
Equisetum telmateia (giant horsetail)	trace				
Geranium robertianum (herb-Robert)	trace				
Geum urbanum (herb bennet)	trace				
Hedera helix (English ivy)	trace				

Plantago major (common plantain)	trace
Polystichum munitum (sword fern)	trace
Prunella vulgaris var. vulgaris (common selfheal	trace
Ranunculus repens (creeping buttercup)	trace
Rumex obtusifolius (bitter dock)	trace
Sambucus racemosa (red elderberry)	trace

Unit CBNA*012

Size: 23.26 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: Gentle (10 to 20%)
Aspect: Northeast
Notes:

Visit date: 9/6/2007

Ecological Health: Fair.
% Tree canopy: 90%
% Non-Native Cover: 20
General Note:

This unit has several abandoned road grades.

Management Note:

The road grades have served as a conduit for blackberry, which is spreading throughout unit.

Eco Note:

Light weeds present except for the blackberry which is thick on and around the road grades.

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

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	50% to 75%	Y	10-20"	Y	
Polystichum munitum (sword fern)	20% to 50%	Y			
Alnus rubra (red alder)	10% to 20%		10-20"		
Rubus discolor (Himalayan blackberry)	10% to 20%				
Rubus spectabilis (salmonberry)	10% to 20%				
Rubus ursinus (trailing blackberry)	10% to 20%				
Corylus avellana (common filbert)	1% to 10%	Y			
Urtica dioica (stinging nettle)	1% to 10%	Y			
Pseudotsuga menziesii (Douglas fir)	1% to 10%		10-20"	Y	
Thuja plicata (western red cedar)	1% to 10%		5-10"	Y	
Acer circinatum (vine maple)	1% to 10%				
Berberis nervosa (Oregon grape)	1% to 10%				
Corylus cornuta (western beaked hazelnut)	1% to 10%				
Tolmiea menziesii (piggy-back plant)	1% to 10%				
Bromus carinatus (mountain California Brome-gras	trace				
Digitalis purpurea (purple foxglove)	trace				
Geum urbanum (herb bennet)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Phalaris arundinacea (reed canarygrass)	trace				
Polygonum sp. (knotweed)	trace				
Prunella vulgaris var. vulgaris (common selfheal	trace				
Ranunculus repens (creeping buttercup)	trace				
Rumex obtusifolius (bitter dock)	trace				

Unit CBNA*026

Size: 39.75 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: Steep (20 to 30%)
Aspect: Northeast
Notes:

Visit date: 9/19/2007

Ecological Health: Good.
% Tree canopy: 90%
% Non-Native Cover: trace
General Note:

This large unit contains several small ravines.

Management Note:

There is a drainage pipe running from the south end of SE 145th Ct. into a ravine in this unit causing some erosion. Blackberry is entering the unit from SE 145th Ct. and SE Barbara Welch Ln.

Eco Note:

English holly is the only weed found in the interior of the unit.

Wetland indicators: Streams, Saturated Soils.
Primary Management concerns: Invasives, Erosion, Litter, Vandalism, Informal Trails.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	50% to 75%	Y	10-20"	Y	
Berberis nervosa (Oregon grape)	20% to 50%	Y			
Polystichum munitum (sword fern)	20% to 50%	Y			
Alnus rubra (red alder)	10% to 20%		10-20"		
Corylus cornuta (western beaked hazelnut)	1% to 10%	Y			
Pseudotsuga menziesii (Douglas fir)	1% to 10%		20-30"		
Thuja plicata (western red cedar)	1% to 10%		10-20"	Y	
Tsuga heterophylla (western hemlock)	1% to 10%		10-20"	Y	
Bromus carinatus (mountain California Brome-gras	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Rubus ursinus (trailing blackberry)	1% to 10%				
Tolmiea menziesii (piggy-back plant)	1% to 10%				
Urtica dioica (stinging nettle)	1% to 10%				
Salix scouleriana (Scouler's willow)	trace		10-20"		
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Lonicera ciliosa (western orange honeysuckle)	trace				
Rumex obtusifolius (bitter dock)	trace				

Unit CBNA*027

Size: 11.94 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: Gentle (10 to 20%)
Aspect: North
Notes:

Visit date: 9/19/2007

Ecological Health: Fair.

% Tree canopy: 65%

% Non-Native Cover: 15

General Note:

This unit is defined by several recently created road clearings.

Management Note:

The abandoned road is well established with blackberry and other less noxious weeds.

Eco Note:

The blackberry does not currently extend very far off of the road grade.

Primary Management concerns: Invasives, Large Refuse, Informal Trails.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"		
Polystichum munitum (sword fern)	20% to 50%	Y			
Berberis nervosa (Oregon grape)	10% to 20%	Y			
Corylus cornuta (western beaked hazelnut)	10% to 20%	Y			
Rubus discolor (Himalayan blackberry)	10% to 20%	Y			
Pseudotsuga menziesii (Douglas fir)	1% to 10%		20-30"		
Thuja plicata (western red cedar)	1% to 10%		10-20"	Y	
Alnus rubra (red alder)	1% to 10%		5-10"	Y	
Acer circinatum (vine maple)	1% to 10%				
Bromus carinatus (mountain California Brome-gras	1% to 10%				
Festuca arundinacea (tall fescue)	1% to 10%				
Rosa gymnocarpa (dwarf wood rose)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Tolmiea menziesii (piggy-back plant)	1% to 10%				
Urtica dioica (stinging nettle)	1% to 10%				
Populus balsamifera ssp. trichocarpa (black cott	trace		0-5"	Y	
Cirsium vulgare (bull thistle)	trace				
Crataegus monogyna (European hawthorn)	trace				
Daucus carota (Queen Anne's lace)	trace				
Digitalis purpurea (purple foxglove)	trace				
Erigeron annuus (annual eastern daisy Fleabane)	trace				
Holcus lanatus (velvet grass)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Leucanthemum vulgare (oxeye daisy)	trace				
Lonicera ciliosa (western orange honeysuckle)	trace				
Rumex obtusifolius (bitter dock)	trace				

Unit CBNA*028

Size: 3.25 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: Gentle (10 to 20%)

Aspect: East

Notes:

Visit date: 9/19/2007

Ecological Health: Fair.

% Tree canopy: 70%

% Non-Native Cover: 10

General Note:

This unit is bordered by SE 145th Ct. on 1 side and blackberry patches on 2 sides.

Management Note:

Blackberry is invading from various points into this unit.

Primary Management concerns: Invasives, Litter.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"		
Berberis nervosa (Oregon grape)	20% to 50%	Y			
Polystichum munitum (sword fern)	20% to 50%	Y			
Alnus rubra (red alder)	20% to 50%		5-10"		
Corylus cornuta (western beaked hazelnut)	1% to 10%	Y			
Acer circinatum (vine maple)	1% to 10%				
Corylus avellana (common filbert)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Rubus ursinus (trailing blackberry)	1% to 10%				
Urtica dioica (stinging nettle)	1% to 10%				
Populus balsamifera ssp. trichocarpa (black cott	trace		20-30"		
Pseudotsuga menziesii (Douglas fir)	trace		10-20"		
Thuja plicata (western red cedar)	trace		5-10"	Y	
Prunus avium (sweet pie cherry)	trace		0-5"		
Digitalis purpurea (purple foxglove)	trace				
Erigeron annuus (annual eastern daisy Fleabane)	trace				
Hedera helix (English ivy)	trace				
Ilex aquafolium (English holly)	trace				
Prunella vulgaris var. vulgaris (common selfheal	trace				

Unit CBNA*030

Size: 8.64 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: Gentle (10 to 20%)

Aspect: East

Visit date: 9/5/2008

Ecological Health: Fair.

% Tree canopy: 75%

% Non-Native Cover: 5

Management Note:

There are small scattered starts of blackberry and just a few small Hollys. There is a large patch of blackberry in the south part of the unit.

Eco Note:

There is substantial crown dieback on the large maples in this unit. Thuja plicata is regnerating under the canopy with a few large trees. There is very little high shrub layer in unit.

Wetland indicators: Streams.

Primary Management concerns: Invasives, Soil Compaction, Domestic Animals, Litter, Informal Trails.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	50% to 75%	Y	10-20"	Y	
Polystichum munitum (sword fern)	20% to 50%	Y			
Urtica dioica (stinging nettle)	10% to 20%	Y			
Thuja plicata (western red cedar)	10% to 20%		10-20"	Y	
Alnus rubra (red alder)	10% to 20%		5-10"		
Berberis nervosa (Oregon grape)	1% to 10%				
Bromus carinatus (mountain California Brome-gras	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Tolmiea menziesii (piggy-back plant)	1% to 10%				
Pseudotsuga menziesii (Douglas fir)	trace		10-20"		
Taxus brevifolia (Pacific yew)	trace		5-10"		
Cirsium vulgare (bull thistle)	trace				
Corylus avellana (common filbert)	trace				
Digitalis purpurea (purple foxglove)	trace				
Erigeron annuus (annual eastern daisy Fleabane)	trace				

Galium aparine (cleavers)	trace
Ilex aquafolium (English holly)	trace
Lactuca muralis (wall lettuce)	trace
Lapsana communis (common nipplewort)	trace
Lunaria annua (annual honesty)	trace
Polygonum sp. (knotweed)	trace
Prunella vulgaris var. vulgaris (common selfheal	trace
Rumex obtusifolius (bitter dock)	trace

Unit CBNA*035

Size: 2.07 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: Gentle (5 to 10%)
Aspect: East

Visit date: 9/5/2008

Ecological Health: Poor.
% Tree canopy: 70%
% Non-Native Cover: 75
General Note:

There is a creek in the south end of unit with a concrete culvert.

Management Note:

Blackberry is pervasive. Ivy is located in a small area in the middle of the unit but is very dense and high on the trees.

Wetland indicators: Streams.
Primary Management concerns: Invasives, Soil Compaction, Litter, Utility Infrastructure, 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"		
Alnus rubra (red alder)	10% to 20%		5-10"		
Pseudotsuga menziesii (Douglas fir)	1% to 10%		10-20"		
Thuja plicata (western red cedar)	1% to 10%		10-20"	Y	
Bromus carinatus (mountain California Brome-gras	1% to 10%				
Hedera helix (English ivy)	1% to 10%				
Salix scouleriana (Scouler's willow)	trace		5-10"		
Cirsium vulgare (bull thistle)	trace				
Crataegus monogyna (European hawthorn)	trace				
Digitalis purpurea (purple foxglove)	trace				
Erigeron annuus (annual eastern daisy Fleabane)	trace				
Galium aparine (cleavers)	trace				
Geranium robertianum (herb-Robert)	trace				
Ilex aquafolium (English holly)	trace				
Impatiens capensis (spotted orange touch-me-not)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Phalaris arundinacea (reed canarygrass)	trace				
Plantago major (common plantain)	trace				
Polygonum sp. (knotweed)	trace				
Polypodium glycyrrhiza (licorice fern)	trace				
Rumex obtusifolius (bitter dock)	trace				