



Vegetation Unit Summaries for **Linnton Park (LINN)**

Report date: 7/29/2009

'*' = non-native invasive species

Visit data as of: 7/29/2009

Unit LINN*001

Size: 16.81 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, Lower 3rd

Slope: Extremely Steep (over 30%)

Aspect: Northeast

Notes:

Visit date: 7/13/2004

Ecological Health: Poor.

% Tree canopy: 60%

% Non-Native Cover: 20

General Note:

Old road in unit. Lots of poison oak, very deciduous.

Management Note:

Unit has many invasives--especially near bottom northeast edge.

Eco Note:

Elk scat and possible trails throughout. Steep slope down to Hwy 30. Drainage on each side of unit. Lots of industrial noise. Unit is by water tank. Access is off 112th.

Wetland indicators: Streams.

Primary Management concerns: Invasives, Litter, Informal Trails.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"	Y	
Polystichum munitum (sword fern)	20% to 50%	Y			
Berberis nervosa (Oregon grape)	10% to 20%	Y			
Hedera helix (English ivy)	10% to 20%	Y			
Symphoricarpos albus (snowberry)	10% to 20%	Y			
Pseudotsuga menziesii (Douglas fir)	10% to 20%		10-20"		
Galium aparine (cleavers)	10% to 20%				
Alnus rubra (red alder)	1% to 10%		10-20"		
Acer circinatum (vine maple)	1% to 10%				
Achlys triphylla (vanillaleaf)	1% to 10%				
Oemleria cerasiformis (Indian-plum)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Salix scouleriana (Scouler's willow)	1% to 10%				
Toxicodendron diversilobum (poison oak)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Prunus avium (sweet pie cherry)	trace		5-10"		
Cirsium vulgare (bull thistle)	trace				
Dactylis glomerata (orchard grass)	trace				
Hypericum perforatum (common St. John's wort)	trace				
Hypochaeris radicata (hairy cats-ear)	trace				
Ilex aquafolium (English holly)	trace				
Juncus effusus (common soft Pacific rush)	trace				
Lactuca muralis (wall lettuce)	trace				
Leucanthemum vulgare (oxeye daisy)	trace				

Rumex obtusifolius (bitter dock)	trace
Stachys cooleyae (Cooley's hedgenettle)	trace
Trifolium repens (common clover)	trace

Unit LINN*002

Size: 87.12 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, Middle 3rd

Slope: Extremely Steep (over 30%)

Aspect: Northeast

Notes:

Visit date: 7/14/2004

Ecological Health: Good.

% Tree canopy: 75%

% Non-Native Cover: trace

General Note:

This unit was a large unit with several drainages. In the northeast corner there was a area that was flat and fairly open. It showed signs of heavy wildlife use, we saw two raptors and a Cooper's hawk. This unit contained a good amount of snags, downed wood and stumps.

Management Note:

If the clumps of ILAQ were removed from the interior of this unit it would rate a 1 in ecological health.

Eco Note:

Diverse unit with good structural layering. Unit also had a diverse topography. There was a lot of elk scat and sign plus possible wide game trails made by elk movement. Very large trees in northern part of unit (PSME 76" & 73").

Wetland indicators: Streams, Hydrophilic Vegetation.

Primary Management concerns: Invasives, Trampling.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
<i>Pseudotsuga menziesii</i> (Douglas fir)	20% to 50%	Y	>30"		
<i>Acer macrophyllum</i> (bigleaf maple)	20% to 50%	Y	10-20"	Y	
<i>Berberis nervosa</i> (Oregon grape)	20% to 50%	Y			
<i>Polystichum munitum</i> (sword fern)	20% to 50%	Y			
<i>Rubus spectabilis</i> (salmonberry)	20% to 50%	Y			
<i>Tsuga heterophylla</i> (western hemlock)	10% to 20%		10-20"	Y	
<i>Abies grandis</i> (grand fir)	1% to 10%		10-20"	Y	
<i>Thuja plicata</i> (western red cedar)	1% to 10%		10-20"	Y	
<i>Alnus rubra</i> (red alder)	1% to 10%		5-10"		
<i>Acer circinatum</i> (vine maple)	1% to 10%				
<i>Achlys triphylla</i> (vanillaleaf)	1% to 10%				
<i>Hydrophyllum tenuipes</i> (Pacific waterleaf)	1% to 10%				
<i>Montia sibirica</i> (Siberian minerslettuce)	1% to 10%				
<i>Vaccinium parvifolium</i> (red huckleberry)	1% to 10%				
<i>Vancouveria hexandra</i> (white inside-out-flower)	1% to 10%				
<i>Cornus nuttallii</i> (Pacific dogwood)	trace		0-5"		
<i>Adiantum pedatum</i> (maidenhair fern)	trace				
<i>Asarum caudatum</i> (wild ginger)	trace				
<i>Galium aparine</i> (cleavers)	trace				
<i>Geranium robertianum</i> (herb-Robert)	trace				
<i>Ilex aquafolium</i> (English holly)	trace				
<i>Lactuca muralis</i> (wall lettuce)	trace				

Unit LINN*003

Size: 55.94 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: Northeast

Notes:

Visit date: 7/14/2004

Ecological Health: Poor.

% Tree canopy: 65%

% Non-Native Cover: 25

General Note:

Trail work is being done on the trail that leads to Firelane 10. Utility storm drains at bottom of trail. Species of interest: LICO & TABR.

Management Note:

Invasives most prevalent in bottom portion of unit--ivy growing up trees. Along trails and firelanes invasives mainly consist of forbs. ILAQ scattered throughout.

Eco Note:

Unit includes a deep ravine with steep side slopes running northeast to Hwy 30. Creek has running water in spots near bottom. Along trail in one area there are several good sized Pacific yews. Loud noise from industrial work along Hwy 30 heard throughout unit.

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

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

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"	Y	
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	10-20"		
Polystichum munitum (sword fern)	20% to 50%	Y			
Hedera helix (English ivy)	20% to 50%				
Acer circinatum (vine maple)	10% to 20%	Y			
Rubus spectabilis (salmonberry)	10% to 20%	Y			
Thuja plicata (western red cedar)	10% to 20%		10-20"	Y	
Tsuga heterophylla (western hemlock)	1% to 10%		10-20"	Y	
Achlys triphylla (vanillaleaf)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Lactuca muralis (wall lettuce)	1% to 10%				
Oemleria cerasiformis (Indian-plum)	1% to 10%				
Prunus laurocerasus (English laurel)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Rubus parviflorus (thimbleberry)	1% to 10%				
Symphoricarpos albus (snowberry)	1% to 10%				
Tolmiea menziesii (piggy-back plant)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Prunus avium (sweet pie cherry)	trace		5-10"	Y	
Taxus brevifolia (Pacific yew)	trace		5-10"		
Persea sp. (bay laurel)	trace		0-5"		
Sorbus aucuparia (European mountain ash)	trace		0-5"		
Arctium minus (lesser burdock)	trace				
Corylus avellana (common filbert)	trace				
Galium aparine (cleavers)	trace				
Geranium robertianum (herb-Robert)	trace				
Geum urbanum (herb bennet)	trace				
Lapsana communis (common nipplewort)	trace				
Leucanthemum vulgare (oxeye daisy)	trace				
Lilium columbianum (tiger-lily)	trace				
Lunaria annua (annual honesty)	trace				
Oxalis oregana (Oregon woodsorrel)	trace				

Plantago major (common plantain)	trace
Ranunculus repens (creeping buttercup)	trace
Rumex obtusifolius (bitter dock)	trace
Urtica dioica (stinging nettle)	trace

Unit LINN*004

Size: 90.75 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: Gentle (10 to 20%)

Aspect: Northeast

Notes:

Visit date: 7/13/2004

Ecological Health: Fair.

% Tree canopy: 65%

% Non-Native Cover: trace

General Note:

Large deciduous unit with moderate slopes, some seasonal creeks and wet areas. There was also a forested wetland in the interior with CAOB3, POBAT and ALRU. Lots of stumps, snags and downed wood.

Management Note:

Soil compaction on Wildwood trail--the trail is becoming wider with more use. Remove the few ILAQ clumps that exist in the interior of unit.

Eco Note:

Diverse unit--west side had more BENE, POMU and conifers, while the eastside is more deciduous with ACMA, ALRU, RUSP & HYTE. Elk scat and other signs of elk (such as trails) heavy in lower portion of unit. Wide swaths of cleared vegetation present--possible elk trails. Herbivory apparent on RUSP. ABGR DBH: 39.2.

Wetland indicators: Streams, Hydrophilic Vegetation, Saturated Soils.

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

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	20% to 50%	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"		
Thuja plicata (western red cedar)	10% to 20%		10-20"	Y	
Rubus spectabilis (salmonberry)	10% to 20%				
Pseudotsuga menziesii (Douglas fir)	1% to 10%		20-30"		
Abies grandis (grand fir)	1% to 10%		10-20"	Y	
Tsuga heterophylla (western hemlock)	1% to 10%		10-20"	Y	
Acer circinatum (vine maple)	1% to 10%				
Achlys triphylla (vanillaleaf)	1% to 10%				
Galium aparine (cleavers)	1% to 10%				
Geranium robertianum (herb-Robert)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Vaccinium parvifolium (red huckleberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Populus balsamifera ssp. trichocarpa (black cott	trace		20-30"		
Prunus emarginata (bitter cherry)	trace		5-10"		
Taxus brevifolia (Pacific yew)	trace		0-5"		
Carex obnupta (slough sedge)	trace				
Geum urbanum (herb bennet)	trace				
Hedera helix (English ivy)	trace				
Lactuca muralis (wall lettuce)	trace				
Plantago major (common plantain)	trace				

Ribes bracteosum (stink currant)	trace
Rumex obtusifolius (bitter dock)	trace
Viola glabella (stream violet)	trace

Unit LINN*005

Size: 5.55 Acres

NVCS Class: Forest

NVCS Subclass: Evergreen forest

NVCS Group: Temperate needle-leaved evergreen forest

NVCS SubGroup: Natural / Semi-natural

NVCS Ecological System: CES204.002 North Pacific Maritime Wet-Mesic Douglas-fir-Western Hemlock Forest

Landform: Side-hill, Upper 3rd

Slope: Extremely Steep (over 30%)

Aspect: Northwest

Notes:

Visit date: 7/13/2004

Ecological Health: Fair.

% Tree canopy: 65%

% Non-Native Cover: 5

General Note:

Species of Interest: LICO, MOUN3, and GOOB2.

Management Note:

Eco Note:

Unit is a knoll with a northwest facing slope. A small unit with a moderate amount of invasives--dominated by GAAP. Bordered by the Wildwood trail on the north side. Tree frog spotted in the unit.

Primary Management concerns: Invasives, Informal Trails.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"	Y	
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	10-20"		
Polystichum munitum (sword fern)	20% to 50%	Y			
Berberis nervosa (Oregon grape)	10% to 20%	Y			
Vaccinium parvifolium (red huckleberry)	1% to 10%	Y			
Alnus rubra (red alder)	1% to 10%		10-20"		
Abies grandis (grand fir)	1% to 10%		5-10"	Y	
Tsuga heterophylla (western hemlock)	1% to 10%		5-10"	Y	
Galium aparine (cleavers)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Smilacina stellata (starry false-Solomon's seal)	1% to 10%				
Geranium robertianum (herb-Robert)	trace				
Goodyera oblongifolia (western giant Rattlesnake)	trace				
Lactuca muralis (wall lettuce)	trace				
Lilium columbianum (tiger-lily)	trace				
Monotropa uniflora (indianpipe)	trace				