PORTLAND PARKS & RECREATION
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Vegetation Unit Summaries for **Forest Park (FP)**

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

Unit FP*001

Size: 0.91 Acres
NVCS Class: Forest
NVCS Subclass: Deciduous forest
NVCS Group: 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: East
Notes:

Visit date: 6/3/2004

Ecological Health: Poor.
% Tree canopy: 75%
% Non-Native Cover: 55
General Note:

Neighbor draining runoff into unit with a PVC pipe. This unit has been a "test unit" for the No Ivy League--evidence of many ivy pulls.

Management Note:

Invasives still present after restoration work--since area is still being used for an experimental plot any restoration plans should take this into consideration.

Eco Note:

Steep east facing slope at beginning of Lower Macleay Park behind the No Ivy League headquarters.

Wetland indicators: Hydrophilic Vegetation.
Primary Management concerns: Invasives, Litter, Informal Trails.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	50% to 75%	Y	10-20"	Y	
Lactuca muralis (wall lettuce)	20% to 50%	Y			
Lapsana communis (common nipplewort)	20% to 50%	Y			
Polystichum munitum (sword fern)	20% to 50%	Y			
Clematis vitalba (clematis)	10% to 20%				
Corylus cornuta (western beaked hazelnut)	1% to 10%	Y			
Oemleria cerasiformis (Indian-plum)	1% to 10%	Y			
Castanea dentata (American chestnut)	1% to 10%		10-20"		
Pseudotsuga menziesii (Douglas fir)	1% to 10%		10-20"		Y
Aesculus hippocastanum (horsechestnut)	1% to 10%		5-10"	Y	
Alliaria petiolata (garlic mustard)	1% to 10%		5-10"		
Berberis aquifolium (tall Oregon-grape)	1% to 10%				
Convolvulus arvensis (morning glory)	1% to 10%				
Cornus sericea ssp. sericea (red-osier dogwood)	1% to 10%				
Geranium dissectum (cutleaf Cranesbill)	1% to 10%				
Hedera helix (English ivy)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Rhamnus purshiana (cascara)	1% to 10%				
Rubus parviflorus (thimbleberry)	1% to 10%				
Symphoricarpos albus (snowberry)	1% to 10%				

Corylus avellana (common filbert)	trace	Y		
Juglans regia (English walnut)	trace		10-20"	
Thuja plicata (western red cedar)	trace		0-5"	Y
Carex hendersonii (Henderson's wood sedge)	trace			
Crataegus monogyna (European hawthorn)	trace			
Holodiscus discolor (oceanspray)	trace			

Unit FP*002

Size: 0.2 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: unknown
Slope: unknown
Aspect: unknown
Notes: This unit is a parking lot for Lower Macleay park.

Unit FP*003

Size: 0.14 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: Flat (0 to 5%)
Aspect: West
Notes:

Visit date: 6/15/2004

Ecological Health: Poor.
% Tree canopy: 70%
% Non-Native Cover: 85
General Note:

Management Note:

Unit is dominated by invasives, which pose a threat to the rest of the park. Recommend complete removal of invasives and replanting of natives.

Eco Note:

This is a small unit adjacent to entrance to Lower Macleay Park.

Primary Management concerns: Invasives, Litter.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Clematis vitalba (clematis)	over 75%				
Acer macrophyllum (bigleaf maple)	50% to 75%	Y	10-20"	Y	
Hedera helix (English ivy)	50% to 75%				
Oemleria cerasiformis (Indian-plum)	1% to 10%	Y			
Aesculus hippocastanum (horsechestnut)	1% to 10%		5-10"	Y	
Crataegus monogyna (European hawthorn)	1% to 10%				
Galium aparine (cleavers)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Lapsana communis (common nipplewort)	1% to 10%				
Conium maculatum (poison hemlock)	trace				
Epilobium ciliatum ssp. watsonii (fringed willow	trace				
Geranium dissectum (cutleaf Cranesbill)	trace				
Lolium perenne (Italian perennial ryegrass)	trace				

Melissa officinalis (lemon balm)	trace
Plantago major (common plantain)	trace
Ranunculus repens (creeping buttercup)	trace
Solanum dulcamara (bittersweet nightshade)	trace

Unit FP*004

Size: 0.17 Acres
NVCS Class: Herbaceous
NVCS Subclass: Perennial graminoid vegetation
NVCS Group: Temperate grassland
NVCS SubGroup: Cultural
NVCS Ecological System: unknown
Landform: unknown
Slope: unknown
Aspect: unknown

Unit FP*005

Size: 0.46 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: East
Notes:

Visit date: 6/15/2004

Ecological Health: Fair.
% Tree canopy: 80%
% Non-Native Cover: 40
General Note:

Management Note:

A few THPLs have been planted in the unit.
Bamboo is scattered thinly throughout the unit. Could still be controlled at this stage.
Ivy is regenerating slowly after removal efforts.

Wetland indicators: Hydrophilic Vegetation, Saturated Soils.
Primary Management concerns: Invasives, Litter.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	50% to 75%	Y	10-20"	Y	
Aesculus hippocastanum (horsechestnut)	10% to 20%		5-10"		
Geum urbanum (herb bennet)	10% to 20%				
Pseudotsuga menziesii (Douglas fir)	1% to 10%		10-20"		
Sequoia sempervirens (redwood)	1% to 10%		10-20"		
Alliaria petiolata (garlic mustard)	1% to 10%				
Circaea alpina (enchanter's-nightshade)	1% to 10%				
Clematis vitalba (clematis)	1% to 10%				
Crataegus monogyna (European hawthorn)	1% to 10%				
Geranium robertianum (herb-Robert)	1% to 10%				
Hedera helix (English ivy)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Lactuca muralis (wall lettuce)	1% to 10%				
Lapsana communis (common nipplewort)	1% to 10%				
Oemleria cerasiformis (Indian-plum)	1% to 10%				
Ranunculus repens (creeping buttercup)	1% to 10%				

Rubus discolor (Himalayan blackberry)	1% to 10%		
Rubus parviflorus (thimbleberry)	1% to 10%		
Thuja plicata (western red cedar)	trace	5-10"	Y
Tsuga heterophylla (western hemlock)	trace	0-5"	Y
Bambusa sp. (bamboo)	trace		
Dactylis glomerata (orchard grass)	trace		
Hypericum perforatum (common St. John's wort)	trace		
Prunus laurocerasus (English laurel)	trace		
Solanum dulcamara (bittersweet nightshade)	trace		
Tellima grandiflora (fringecup)	trace		

Unit FP*006

Size: 0.15 Acres
NVCS Class: Herbaceous
NVCS Subclass: Perennial graminoid vegetation
NVCS Group: Temperate grassland with a sparse tree layer
NVCS SubGroup: Natural / Semi-natural
NVCS Ecological System: unknown
Landform: Side-hill, Upper 3rd
Slope: Extremely Steep (over 30%)
Aspect: Northwest
Notes:

Visit date: 6/15/2004

Ecological Health: Severely Degraded.
% Tree canopy: 5%
% Non-Native Cover: 85
General Note:

Management Note:

Unit needs to be planted with native trees and shrubs in order to out compete invasives.

Eco Note:

This unit is at the top of a ridge running along Lower Macleay Park. Bordered on east side by houses. One PSME seeding and a row of ROPI are doing well.

Primary Management concerns: Invasives, Litter.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Vicia hisuta (tiny vetch)	20% to 50%	Y			
Lolium multiflorum (Italian ryegrass)	20% to 50%				
Symphoricarpos albus (snowberry)	1% to 10%	Y			
Cirsium arvense (Canadian Thistle)	1% to 10%				
Cirsium vulgare (bull thistle)	1% to 10%				
Clematis vitalba (clematis)	1% to 10%				
Lapsana communis (common nipplewort)	1% to 10%				
Rosa pisocarpa (cluster wild peafruit swamp Rose	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Sonchus oleraceus (sow thistle)	1% to 10%				
Anthemis cotula (dogfennel)	trace				
Hedera helix (English ivy)	trace				
Leucanthemum vulgare (oxeye daisy)	trace				
Trifolium repens (common clover)	trace				
Vicia sativa (common vetch)	trace				

Unit FP*007

Size: 7.00 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, Upper 3rd
Slope: Extremely Steep (over 30%)
Aspect: Southeast
Notes:

Visit date: 6/15/2004
Ecological Health: Severely Degraded.
% Tree canopy: 60%
% Non-Native Cover: 100
General Note:
Tiny unit on edge of residential area.
Management Note:

Eco Note:
100% cover by CLVI and RUDI.
Primary Management concerns: Invasives, Domestic Animals, Yard Debris.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Clematis vitalba (clematis)	over 75%	Y			
Rubus discolor (Himalayan blackberry)	over 75%	Y			
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"		
Hedera helix (English ivy)	20% to 50%				
Aesculus hippocastanum (horsechestnut)	1% to 10%		5-10"	Y	
Fraxinus latifolia (Oregon ash)	1% to 10%		5-10"		
Polystichum munitum (sword fern)	1% to 10%				
Crataegus monogyna (European hawthorn)	trace				

Unit FP*008

Size: 0.34 Acres
NVCS Class: Herbaceous
NVCS Subclass: Perennial graminoid vegetation
NVCS Group: Temperate grassland with a sparse tree layer
NVCS SubGroup: Natural / Semi-natural
NVCS Ecological System: unknown
Landform: Side-hill, Upper 3rd
Slope: Extremely Steep (over 30%)
Aspect: West
Notes:

Visit date: 6/15/2004
Ecological Health: Severely Degraded.
% Tree canopy: 5%
Management Note:
Remove invasives and plant native trees and shrubs to shade out invasive forb layer and to create some slope stability.
Eco Note:
This unit is near the top of a ridge bordering Lower Macleay Park. It is a steep, west-facing slope that is dominated by invasives. The unit looks as though it has experienced a recent landslide as evidenced by lots of bare soil and slight regeneration of some small plants (mostly herbs). Some TSHE, POMU, FRLA, and PSME seedlings are sprouting.
Primary Management concerns: Invasives.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Lolium multiflorum (Italian ryegrass)	20% to 50%				
Cirsium arvense (Canadian Thistle)	10% to 20%				
Pseudotsuga menziesii (Douglas fir)	1% to 10%		10-20"		
Acer macrophyllum (bigleaf maple)	1% to 10%		5-10"		
Alnus rubra (red alder)	1% to 10%		0-5"		
Cirsium vulgare (bull thistle)	1% to 10%				
Epilobium ciliatum ssp. watsonii (fringed willow	1% to 10%				
Equisetum telmateia (giant horsetail)	1% to 10%				
Hedera helix (English ivy)	1% to 10%				
Holcus lanatus (velvet grass)	1% to 10%				
Hypochaeris radicata (hairy cats-ear)	1% to 10%				
Lactuca muralis (wall lettuce)	1% to 10%				
Lapsana communis (common nipplewort)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Trifolium pratense (red clover)	1% to 10%				
Trifolium repens (common clover)	1% to 10%				
Vicia hisuta (tiny vetch)	1% to 10%				
Vicia sativa (common vetch)	1% to 10%				
Sorbus aucuparia (European mountain ash)	trace		0-5"		
Convolvulus arvensis (morning glory)	trace				
Hemerocallis sp. (daylily)	trace				
Senecio jacobaea (tansy ragwort)	trace				
Sonchus oleraceus (sow thistle)	trace				
Taraxacum officinale (common dandelion)	trace				

Unit FP*009

Size: 0.23 Acres

NVCS Class: Woodland

NVCS Subclass: Mixed evergreen-deciduous woodland

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

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: North

Notes:

Visit date: 7/8/2004

Ecological Health: Severely Degraded.

% Tree canopy: 45%

General Note:

Unit is located before first tunnel on Cornell.

Management Note:

Heavy invasives.

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

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Clematis vitalba (clematis)	50% to 75%	Y			
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"	Y	
Rubus discolor (Himalayan blackberry)	20% to 50%	Y			
Hedera helix (English ivy)	10% to 20%				
Pseudotsuga menziesii (Douglas fir)	1% to 10%		20-30"	Y	
Tsuga heterophylla (western hemlock)	1% to 10%		10-20"		
Prunus avium (sweet pie cherry)	1% to 10%		0-5"		
Cirsium arvense (Canadian Thistle)	1% to 10%				
Corylus avellana (common filbert)	1% to 10%				
Lapsana communis (common nipplewort)	1% to 10%				
Alliaria petiolata (garlic mustard)	trace				
Cichorium intybus (chicory)	trace				
Convolvulus arvensis (morning glory)	trace				
Geranium robertianum (herb-Robert)	trace				

Hypochaeris radicata (hairy cats-ear)	trace
Rumex obtusifolius (bitter dock)	trace
Senecio jacobaea (tansy ragwort)	trace

Unit FP*010

Size: 0.60 Acres
NVCS Class: Forest
NVCS Subclass: Evergreen forest
NVCS Group: Temperate needle-leaved evergreen 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: 7/8/2004

Ecological Health: Poor.
% Tree canopy: 65%
General Note:

Unit was on the north side of Cornell just past the first tunnel heading out of town.

Management Note:

Invasives were very heavy extending up hill into the neighborhoods above.

Eco Note:

Species of interest ARME and LICO.

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			
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	20-30"		
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"		
Corylus avellana (common filbert)	10% to 20%	Y			
Gaultheria shallon (salal)	10% to 20%				
Arbutus menziesii (Pacific madrone)	1% to 10%		10-20"		
Abies grandis (grand fir)	1% to 10%		5-10"	Y	
Thuja plicata (western red cedar)	1% to 10%		5-10"	Y	
Persea sp. (bay laurel)	1% to 10%		0-5"		
Ilex aquafolium (English holly)	1% to 10%				
Prunus laurocerasus (English laurel)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Quercus palustris (pin oak)	trace		0-5"		
Adenocaulon bicolor (pathfinder)	trace				
Clematis vitalba (clematis)	trace				
Crataegus monogyna (European hawthorn)	trace				
Lilium columbianum (tiger-lily)	trace				
Toxicodendron diversilobum (poison oak)	trace				
Vinca major (bigleaf periwinkle)	trace				

Unit FP*011

Size: 0.46 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: Other
Slope: Extremely Steep (over 30%)

Aspect: Northwest
Notes:

Visit date: 7/8/2004

Ecological Health: Poor.
% Tree canopy: 75%
General Note:
Unit was on the south side of Cornell just passed the first tunnel.
Eco Note:
Creek at bottom of unit with water present.
Wetland indicators: Streams, Hydrophilic Vegetation, Saturated Soils, Standing Flowing Water.
Primary Management concerns: Invasives, Soil Compaction, Litter, Hardscape Infrastructure, 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	5-10"	Y	
Polystichum munitum (sword fern)	20% to 50%	Y			
Hedera helix (English ivy)	20% to 50%				
Corylus cornuta (western beaked hazelnut)	10% to 20%	Y			
Clematis vitalba (clematis)	10% to 20%				
Petasites frigidus (coltsfoot)	1% to 10%				
Ranunculus repens (creeping buttercup)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Prunus avium (sweet pie cherry)	trace		0-5"	Y	
Crataegus monogyna (European hawthorn)	trace				
Galium aparine (cleavers)	trace				
Geranium robertianum (herb-Robert)	trace				
Geum urbanum (herb bennet)	trace				
Ilex aquafolium (English holly)	trace				
Lapsana communis (common nipplewort)	trace				
Rubus discolor (Himalayan blackberry)	trace				
Rumex obtusifolius (bitter dock)	trace				

Unit FP*012

Size: 13.64 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, Middle 3rd
Slope: Extremely Steep (over 30%)
Aspect: Northwest
Notes:

Visit date: 8/19/2003

Ecological Health: Fair.
% Tree canopy: 80%
% Non-Native Cover: not recorded
General Note:
Species of Interest: Cornus nuttallii 675ft elevation
Management Note:
Invasives (HEHE, ILAQ, CLVI) becoming well established--removal recommended in order to preserve old growth population in adjacent unit.

Eco Note:

Steep north facing slope adjacent to a remnant old growth population.

Wetland indicators: Hydrophilic Vegetation.

Primary Management concerns: Invasives, Utility Infrastructure.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Polystichum munitum (sword fern)	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	
Acer circinatum (vine maple)	20% to 50%	Y			
Tsuga heterophylla (western hemlock)	10% to 20%		20-30"	Y	
Corylus cornuta (western beaked hazelnut)	10% to 20%				
Thuja plicata (western red cedar)	1% to 10%		10-20"	Y	
Clematis vitalba (clematis)	1% to 10%				
Disporum hookeri (Hooker's fairybells)	1% to 10%				
Hedera helix (English ivy)	1% to 10%				
Oemleria cerasiformis (Indian-plum)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Rubus ursinus (trailing blackberry)	1% to 10%				
Tolmiea menziesii (piggy-back plant)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Cornus nuttallii (Pacific dogwood)	trace		0-5"		
Prunus avium (sweet pie cherry)	trace		0-5"		
Adiantum pedatum (maidenhair fern)	trace				
Asarum caudatum (wild ginger)	trace				
Convolvulus arvensis (morning glory)	trace				
Geranium robertianum (herb-Robert)	trace				
Smilacina racemosa (false Solomon's-seal)	trace				

Unit FP*013

Size: 0.89 Acres

NVCS Class: Herbaceous

NVCS Subclass: Annual graminoid or forb vegetation

NVCS Group: Temperate annual grasslands or forb vegetation

NVCS SubGroup: Cultural

NVCS Ecological System: unknown

Landform: unknown

Slope: unknown

Aspect: unknown

Unit FP*014

Size: 0.27 Acres

NVCS Class: Herbaceous

NVCS Subclass: Perennial graminoid vegetation

NVCS Group: Temperate grassland with a sparse tree layer

NVCS SubGroup: Natural / Semi-natural

NVCS Ecological System: unknown

Landform: Side-hill, Middle 3rd

Slope: Steep (20 to 30%)

Aspect: South

Notes:

Visit date: 6/21/2004

Ecological Health: Severely Degraded.

% Tree canopy: 10%

% Non-Native Cover: 100

General Note:

Weedy field of mostly all herbs, plus high cover of RUDI. No dominant trees.

Management Note:

Encroachment--planted blueberry bushes.

Wetland indicators: Hydrophilic Vegetation.

Primary Management concerns: Invasives, Domestic Animals, Informal Trails, Encroachment.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Rubus discolor (Himalayan blackberry)	50% to 75%	Y			
Festuca arundinacea (tall fescue)	20% to 50%	Y			
Cirsium arvense (Canadian Thistle)	10% to 20%				
Acer macrophyllum (bigleaf maple)	1% to 10%		5-10"		
Dactylis glomerata (orchard grass)	1% to 10%				
Dipsacus sylvestris (teasel)	1% to 10%				
Equisetum telmateia (giant horsetail)	1% to 10%				
Galium aparine (cleavers)	1% to 10%				
Lathyrus latifolius (perennial pea)	1% to 10%				
Alnus rubra (red alder)	trace		5-10"		
Cirsium vulgare (bull thistle)	trace				
Geranium dissectum (cutleaf Cranesbill)	trace				
Juncus effusus (common soft Pacific rush)	trace				
Rumex obtusifolius (bitter dock)	trace				
Sisymbrium officinale (hedgemustard)	trace				
Solanum dulcamara (bittersweet nightshade)	trace				
Vicia tetrasperma (lentil vetch)	trace				

Unit FP*015

Size: 1.90 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, Upper 3rd

Slope: Steep (20 to 30%)

Aspect: South

Notes:

Visit date: 6/21/2004

Ecological Health: Poor.

% Tree canopy: 60%

% Non-Native Cover: 50

General Note:

Unit has a telephone line running along the north edge. A decommissioned road runs east/west through unit.

Management Note:

Concentrating efforts on edges might be a good place to start--get neighbors involved?

Eco Note:

This unit is a south facing moderate slope bordered by houses and roads (53rd and Holman Lane). Unit is fragmented from rest of park and is mostly dominated by invasives.

Primary Management concerns: Invasives, Utility Infrastructure.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	50% to 75%	Y	10-20"	Y	
Hedera helix (English ivy)	50% to 75%	Y			
Polystichum munitum (sword fern)	20% to 50%	Y			
Rubus discolor (Himalayan blackberry)	20% to 50%	Y			
Pseudotsuga menziesii (Douglas fir)	1% to 10%		10-20"		
Prunus avium (sweet pie cherry)	1% to 10%		5-10"		
Robinia pseudo-acacia (black locust)	1% to 10%		5-10"		
Thuja plicata (western red cedar)	1% to 10%		0-5"	Y	
Crataegus monogyna (European hawthorn)	1% to 10%				

Galium aparine (cleavers)	1% to 10%
Ilex aquafolium (English holly)	1% to 10%
Symphoricarpos albus (snowberry)	1% to 10%
Vaccinium parvifolum (red huckleberry)	1% to 10%
Vinca minor (common small-leaf periwinkle)	1% to 10%
Arctium minus (lesser burdock)	trace
Cirsium vulgare (bull thistle)	trace
Corylus avellana (common filbert)	trace
Digitalis purpurea (purple foxglove)	trace
Geum urbanum (herb bennet)	trace
Lactuca muralis (wall lettuce)	trace
Lapsana communis (common nipplewort)	trace
Phalaris arundinacea (reed canarygrass)	trace
Plantago major (common plantain)	trace
Ranunculus repens (creeping buttercup)	trace

Unit FP*016

Size: 3.00 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: South
Notes:

Visit date: 6/16/2004

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

This unit is a moderately steep (30%) south facing slope above and below Holman Lane.

Management Note:

Unit is infested with HEHE and ILAQ to a large degree. Removing ILAQ groves would be easily accomplished due to their proximity to Holman Lane.

Eco Note:

Species of interest: LICO and PREM.

Primary Management concerns: Invasives, Domestic Animals, Mountain Bike Impact, Informal Trails.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	50% to 75%	Y	10-20"	Y	
Hedera helix (English ivy)	20% to 50%	Y			
Ilex aquafolium (English holly)	20% to 50%	Y			
Polystichum munitum (sword fern)	20% to 50%	Y			
Pseudotsuga menziesii (Douglas fir)	1% to 10%		10-20"		
Alnus rubra (red alder)	1% to 10%		5-10"		
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%				
Circaea alpina (enchanter's-nightshade)	1% to 10%				
Clematis vitalba (clematis)	1% to 10%				
Corylus cornuta (western beaked hazelnut)	1% to 10%				
Gaultheria shallon (salal)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Sorbus aucuparia (European mountain ash)	trace		0-5"		
Crataegus monogyna (European hawthorn)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Lilium columbianum (tiger-lily)	trace				
Plantago major (common plantain)	trace				

Prunus emarginata (bitter cherry)	trace
Prunus laurocerasus (English laurel)	trace
Ranunculus repens (creeping buttercup)	trace
Rumex obtusifolius (bitter dock)	trace

Unit FP*017

Size: 7.76 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: Southeast
Notes:

Visit date: 6/16/2004

Ecological Health: Fair.
% Tree canopy: 75%
% Non-Native Cover: 15
General Note:

Very similar to HOLM*001. Holman Lane runs through the center.

Management Note:

Adjacent units are much weedier and there is potential that weeds will spread to this one.

Primary Management concerns: Invasives, Domestic Animals, Mountain Bike Impact.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Polystichum munitum (sword fern)	50% to 75%				
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	20-30"		
Acer macrophyllum (bigleaf maple)	20% to 50%		10-20"	Y	
Tsuga heterophylla (western hemlock)	10% to 20%		10-20"	Y	
Corylus cornuta (western beaked hazelnut)	1% to 10%	Y			
Cornus nuttallii (Pacific dogwood)	1% to 10%		5-10"		
Acer circinatum (vine maple)	1% to 10%				
Galium aparine (cleavers)	1% to 10%				
Gaultheria shallon (salal)	1% to 10%				
Hedera helix (English ivy)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Sorbus aucuparia (European mountain ash)	trace		0-5"		
Rubus discolor (Himalayan blackberry)	trace				

Unit FP*018

Size: 9.14 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: Ridge top/peak > 120'
Slope: Gentle (10 to 20%)
Aspect: South
Notes:

Visit date: 6/17/2004

Ecological Health: Fair.

% Tree canopy: 70%

% Non-Native Cover: 65

General Note:

An old decommissioned road runs through the center of the unit between the ridge and Holman Lane. Species of interest include Lilium columbianum and Prunus emarginata. Mowed and heavily used unofficial trail at the ridge top.

Management Note:

There are substantial ILAQ groves as well as a moderately large population of Ulmus sp., which is regenerating.

Eco Note:

The unit is deciduous forest with moderate slope on the north side of Holman Lane. Native forb diversity is high, while native shrub abundance and diversity are low. OSCH and SMST were more prevalent here than usual (1-10% cover).

Several regenerating conifers scattered throughout unit, including ABGR, TSHE, and PSME.

Observed two cooper's hawks having some kind of interaction at a well-used plucking station.

Wetland indicators: Hydrophilic Vegetation.

Primary Management concerns: Invasives, Litter, Informal Trails.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	50% to 75%	Y	10-20"	Y	
Crataegus monogyna (European hawthorn)	20% to 50%	Y			
Hedera helix (English ivy)	20% to 50%	Y			
Polystichum munitum (sword fern)	20% to 50%				
Symphoricarpos albus (snowberry)	10% to 20%	Y			
Rubus discolor (Himalayan blackberry)	10% to 20%				
Pseudotsuga menziesii (Douglas fir)	1% to 10%		20-30"	Y	
Asarum caudatum (wild ginger)	1% to 10%				
Cirsium arvense (Canadian Thistle)	1% to 10%				
Clematis vitalba (clematis)	1% to 10%				
Corylus cornuta (western beaked hazelnut)	1% to 10%				
Galium aparine (cleavers)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Lapsana communis (common nipplewort)	1% to 10%				
Osmorhiza chilensis (mountain sweet-cicely)	1% to 10%				
Smilacina stellata (starry false-Solomon's seal)	1% to 10%				
Ulmus sp. (elm tree)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Populus balsamifera ssp. trichocarpa (black cott	trace		10-20"		
Prunus emarginata (bitter cherry)	trace		10-20"		
Abies grandis (grand fir)	trace		0-5"	Y	
Thuja plicata (western red cedar)	trace		0-5"	Y	
Tsuga heterophylla (western hemlock)	trace		0-5"	Y	
Alliaria petiolata (garlic mustard)	trace				
Conium maculatum (poison hemlock)	trace				
Dactylis glomerata (orchard grass)	trace				
Geranium dissectum (cutleaf Cranesbill)	trace				
Geum urbanum (herb bennet)	trace				
Holcus lanatus (velvet grass)	trace				
Hypericum perforatum (common St. John's wort)	trace				
Lactuca muralis (wall lettuce)	trace				
Leucanthemum vulgare (oxeye daisy)	trace				
Ligustrum vulgare (European privet)	trace				
Lilium columbianum (tiger-lily)	trace				
Lonicera utahensis (Utah honeysuckle)	trace				
Pyrus communis (common pear)	trace				
Ranunculus repens (creeping buttercup)	trace				
Robinia pseudo-acacia (black locust)	trace				
Rumex obtusifolius (bitter dock)	trace				
Trifolium pratense (red clover)	trace				
Trifolium repens (common clover)	trace				

Unit FP*019

Size: 9.81 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: Ridge top/peak > 120'
Slope: Extremely Steep (over 30%)
Aspect: Northeast
Notes:

Visit date: 6/17/2004
Ecological Health: Fair.
% Tree canopy: 75%
% Non-Native Cover: 50
General Note:
Decommissioned road running through unit.
Management Note:
Invasives are dominated by HEHE and Ulmus sp. ILAQ trees are scattered throughout the unit. Concentrate removal around trail and ravine bottoms.
Eco Note:
This unit is characterized by 2 ravines that run generally NE. There is an ephemeral water source in the west ravine.
Wetland indicators: Streams, Hydrophilic Vegetation.
Primary Management concerns: Invasives, Hardscape Infrastructure, 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)	50% to 75%				
Hedera helix (English ivy)	20% to 50%				
Pseudotsuga menziesii (Douglas fir)	1% to 10%		20-30"		
Thuja plicata (western red cedar)	1% to 10%		10-20"	Y	
Berberis nervosa (Oregon grape)	1% to 10%				
Corylus cornuta (western beaked hazelnut)	1% to 10%				
Galium aparine (cleavers)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Ulmus sp. (elm tree)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Viola glabella (stream violet)	1% to 10%				
Asarum caudatum (wild ginger)	trace				

Unit FP*020

Size: 4.61 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: North
Notes:

Visit date: 6/17/2004
Ecological Health: Fair.

% Tree canopy: 65%
% Non-Native Cover: 15
General Note:

The Wildwood Trail intersects the south and west edges of the unit. Mountain bikes, dogs, and humans frequent the area. Trail is very compacted.

Management Note:

Invasives relatively few and are most prevalent near the trail.

Eco Note:

This unit encompasses the confluence of two ephemeral streams running north on a steep slope.
Structural diversity of plants is high.

Wetland indicators: Streams, Saturated Soils.
Primary Management concerns: Invasives, Domestic Animals, Mountain Bike Impact.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	50% to 75%	Y	20-30"	Y	
Polystichum munitum (sword fern)	50% to 75%	Y			
Galium aparine (cleavers)	10% to 20%				
Hydrophyllum tenuipes (Pacific waterleaf)	10% to 20%				
Oemleria cerasiformis (Indian-plum)	1% to 10%	Y			
Pseudotsuga menziesii (Douglas fir)	1% to 10%		20-30"		
Tsuga heterophylla (western hemlock)	1% to 10%		20-30"		
Athyrium filix-femina (ladyfern)	1% to 10%				
Hedera helix (English ivy)	1% to 10%				
Lactuca muralis (wall lettuce)	1% to 10%				
Lapsana communis (common nipplewort)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Aesculus hippocastanum (horsechestnut)	trace		0-5"		
Asarum caudatum (wild ginger)	trace				
Geum urbanum (herb bennet)	trace				
Rumex obtusifolius (bitter dock)	trace				

Unit FP*021

Size: 5.95 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: Steep (20 to 30%)
Aspect: West
Notes:

Visit date: 6/17/2004

Ecological Health: Fair.
% Tree canopy: 75%
% Non-Native Cover: 20
General Note:

Top of unit contains more ALRU than rest of unit.
Species of interest: LICO along Wildwood Trail on NW edge of unit.

Management Note:

Well-used, mowed mountain bike trail on knob at top of unit.
Large RUDI patch on knob.
THPL and ABGR plantings on knob.

Eco Note:

Invasives mostly on knob.

Wetland indicators: Hydrophilic Vegetation.
Primary Management concerns: Invasives, Mountain Bike Impact, Informal Trails.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	50% to 75%	Y	10-20"		
Polystichum munitum (sword fern)	10% to 20%				
Gaultheria shallon (salal)	1% to 10%	Y			
Vaccinium parvifolum (red huckleberry)	1% to 10%	Y			
Pseudotsuga menziesii (Douglas fir)	1% to 10%		20-30"		
Alnus rubra (red alder)	1% to 10%		10-20"		
Berberis nervosa (Oregon grape)	1% to 10%				
Clematis vitalba (clematis)	1% to 10%				
Crataegus monogyna (European hawthorn)	1% to 10%				
Galium aparine (cleavers)	1% to 10%				
Hedera helix (English ivy)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Lapsana communis (common nipplewort)	1% to 10%				
Montia sibirica (Siberian minerslettuce)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Urtica dioica (stinging nettle)	1% to 10%				
Conium maculatum (poison hemlock)	trace				
Equisetum hyemale (scouring-rush horsetail)	trace				
Geum urbanum (herb bennet)	trace				
Lactuca muralis (wall lettuce)	trace				
Rubus laciniatus (evergreen blackberry)	trace				

Unit FP*023

Size: 7.92 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: Northeast
Notes:

Visit date: 6/17/2004
Ecological Health: Fair.
% Tree canopy: 75%
% Non-Native Cover: 10
General Note:
Very low cover of invasives.
Management Note:

Eco Note:
High regeneration of THPL.
Wetland indicators: Hydrophilic Vegetation.
Primary Management concerns: Invasives, 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)	50% to 75%	Y			
Pseudotsuga menziesii (Douglas fir)	20% to 50%		20-30"		
Berberis nervosa (Oregon grape)	1% to 10%	Y			
Vaccinium parvifolum (red huckleberry)	1% to 10%	Y			
Tsuga heterophylla (western hemlock)	1% to 10%		10-20"	Y	
Abies grandis (grand fir)	1% to 10%		5-10"	Y	
Thuja plicata (western red cedar)	1% to 10%		5-10"	Y	

Athyrium filix-femina (ladyfern)	1% to 10%
Corylus cornuta (western beaked hazelnut)	1% to 10%
Galium aparine (cleavers)	1% to 10%
Hedera helix (English ivy)	1% to 10%
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%
Ilex aquafolium (English holly)	1% to 10%
Rubus spectabilis (salmonberry)	1% to 10%
Viola glabella (stream violet)	1% to 10%
Actaea rubra (red baneberry)	trace
Geranium robertianum (herb-Robert)	trace
Lactuca muralis (wall lettuce)	trace

Unit FP*025

Size: 47.22 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, Middle 3rd
Slope: Extremely Steep (over 30%)
Aspect: East
Notes:

Visit date: 6/22/2004

Ecological Health: Poor.
% Tree canopy: 75%
% Non-Native Cover: 65
General Note:

This unit is FP-024 and FP-025 combined.

Management Note:

Eco Note:

There are huge quantities of ILAQ with bare soil underneath.
Appears that ivy removal has taken place in the lower unit.
Total non-native cover: 65%.

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

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	20-30"		
Hedera helix (English ivy)	20% to 50%	Y			
Polystichum munitum (sword fern)	20% to 50%	Y			
Acer macrophyllum (bigleaf maple)	20% to 50%		10-20"	Y	
Ilex aquafolium (English holly)	10% to 20%	Y			
Tsuga heterophylla (western hemlock)	10% to 20%		10-20"	Y	
Acer circinatum (vine maple)	10% to 20%				
Abies grandis (grand fir)	1% to 10%		20-30"	Y	
Berberis nervosa (Oregon grape)	1% to 10%				
Clematis vitalba (clematis)	1% to 10%				
Corylus avellana (common filbert)	1% to 10%				
Corylus cornuta (western beaked hazelnut)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Oemleria cerasiformis (Indian-plum)	1% to 10%				
Prunus laurocerasus (English laurel)	1% to 10%				
Rubus parviflorus (thimbleberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Acer platanoides (Norway maple)	trace		0-5"	Y	
Aesculus hippocastanum (horsechestnut)	trace		0-5"	Y	
Prunus avium (sweet pie cherry)	trace		0-5"		
Prunus cerasifera (cherry plum)	trace		0-5"		
Sorbus aucuparia (European mountain ash)	trace		0-5"	Y	
Adenocaulon bicolor (pathfinder)	trace				

Crataegus monogyna (European hawthorn)	trace
Galium aparine (cleavers)	trace
Geranium robertianum (herb-Robert)	trace
Geum urbanum (herb bennet)	trace
Lactuca muralis (wall lettuce)	trace
Lapsana communis (common nipplewort)	trace
Melissa officinalis (lemon balm)	trace
Ranunculus repens (creeping buttercup)	trace
Rubus discolor (Himalayan blackberry)	trace

Unit FP*026

Size: 22.43 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: 6/23/2004

Ecological Health: Poor.
% Tree canopy: 65%
% Non-Native Cover: 50
General Note:

Extremely weedy at lowest end of unit near road.

Management Note:

Ivy has been removed at end of west ridge.

Wetland indicators: Streams.
Primary Management concerns: Invasives, Domestic Animals, 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)	50% to 75%	Y			
Hedera helix (English ivy)	20% to 50%	Y			
Ilex aquafolium (English holly)	10% to 20%	Y			
Pseudotsuga menziesii (Douglas fir)	10% to 20%		20-30"		
Acer circinatum (vine maple)	1% to 10%				
Achlys triphylla (vanillaleaf)	1% to 10%				
Asarum caudatum (wild ginger)	1% to 10%				
Athyrium filix-femina (ladyfern)	1% to 10%				
Berberis nervosa (Oregon grape)	1% to 10%				
Clematis vitalba (clematis)	1% to 10%				
Corylus cornuta (western beaked hazelnut)	1% to 10%				
Galium aparine (cleavers)	1% to 10%				
Gaultheria shallon (salal)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Oemleria cerasiformis (Indian-plum)	1% to 10%				
Symphoricarpos albus (snowberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Tsuga heterophylla (western hemlock)	trace		5-10"	Y	
Prunus avium (sweet pie cherry)	trace		0-5"		
Thuja plicata (western red cedar)	trace		0-5"	Y	
Dicentra formosa (Pacific western Bleeding-heart	trace				
Lilium columbianum (tiger-lily)	trace				
Prunus laurocerasus (English laurel)	trace				
Rubus discolor (Himalayan blackberry)	trace				

Unit FP*027

Size: 9.64 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: Northwest
Notes:

Visit date: 6/23/2004
Ecological Health: Fair.
% Tree canopy: 70%
% Non-Native Cover: 15
General Note:
Species of interest is Lilium columbianum.
Management Note:
HEHE located mostly next to trail.
Primary Management concerns: Invasives, Domestic Animals, 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	
Berberis nervosa (Oregon grape)	20% to 50%	Y			
Polystichum munitum (sword fern)	20% to 50%	Y			
Hydrophyllum tenuipes (Pacific waterleaf)	20% to 50%				
Alnus rubra (red alder)	1% to 10%		5-10"		
Acer circinatum (vine maple)	1% to 10%				
Achlys triphylla (vanillaleaf)	1% to 10%				
Disporum hookeri (Hooker's fairybells)	1% to 10%				
Gaultheria shallon (salal)	1% to 10%				
Hedera helix (English ivy)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Oemleria cerasiformis (Indian-plum)	1% to 10%				
Rosa gymnocarpa (dwarf wood rose)	1% to 10%				
Rubus parviflorus (thimbleberry)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Abies grandis (grand fir)	trace		0-5"	Y	
Thuja plicata (western red cedar)	trace		0-5"	Y	
Asarum caudatum (wild ginger)	trace				
Clematis vitalba (clematis)	trace				
Corylus avellana (common filbert)	trace				
Galium aparine (cleavers)	trace				
Holodiscus discolor (oceanspray)	trace				
Lilium columbianum (tiger-lily)	trace				

Unit FP*028

Size: 9.56 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, Upper 3rd
Slope: Extremely Steep (over 30%)
Aspect: Northeast
Notes:

Visit date: 6/21/2004

Ecological Health: Fair.
% Tree canopy: 80%
% Non-Native Cover: 20
General Note:

Management Note:

It appears that some work has been dome in the unit (ILAQ removal). HEHE cover is low, mostly along trails.

Eco Note:

ALRU and RUSP more common in draws than elsewhere in unit.

Wetland indicators: Streams, Hydrophilic Vegetation, Saturated Soils.
Primary Management concerns: Invasives, Domestic Animals.
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%				
Rubus parviflorus (thimbleberry)	10% to 20%	Y			
Sambucus racemosa (red elderberry)	10% to 20%	Y			
Pseudotsuga menziesii (Douglas fir)	1% to 10%		20-30"		
Alnus rubra (red alder)	1% to 10%		10-20"		
Thuja plicata (western red cedar)	1% to 10%		10-20"	Y	
Tsuga heterophylla (western hemlock)	1% to 10%		5-10"	Y	
Acer circinatum (vine maple)	1% to 10%				
Adiantum pedatum (maidenhair fern)	1% to 10%				
Berberis nervosa (Oregon grape)	1% to 10%				
Galium aparine (cleavers)	1% to 10%				
Gaultheria shallon (salal)	1% to 10%				
Hedera helix (English ivy)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Osmorhiza chilensis (mountain sweet-cicely)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Prunus avium (sweet pie cherry)	trace		0-5"	Y	
Sorbus aucuparia (European mountain ash)	trace		0-5"		
Corylus avellana (common filbert)	trace				
Lapsana communis (common nipplewort)	trace				
Oxalis corniculata (creeping wood sorrel)	trace				
Plantago major (common plantain)	trace				
Prunus laurocerasus (English laurel)	trace				
Rumex obtusifolius (bitter dock)	trace				

Unit FP*029

Size: 8.60 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, Upper 3rd
Slope: Steep (20 to 30%)
Aspect: Northeast
Notes:

Visit date: 6/21/2004

Ecological Health: Fair.
% Tree canopy: 80%
% Non-Native Cover: 15
General Note:

Species of Interest: LOCI3

Management Note:

Remove ILAQ clumps--most of them occur near the road on the west side of the unit.

Eco Note:

This unit is bordered by 53rd (a busy 2 lane street). Slope generally faces northeast, invasives low--concentrated near 53rd.

Wetland indicators: Streams, Hydrophilic Vegetation.

Primary Management concerns: Invasives.

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"	Y	
Polystichum munitum (sword fern)	20% to 50%	Y			
Acer circinatum (vine maple)	10% to 20%	Y			
Ilex aquafolium (English holly)	10% to 20%				
Alnus rubra (red alder)	1% to 10%		10-20"		
Berberis nervosa (Oregon grape)	1% to 10%				
Galium aparine (cleavers)	1% to 10%				
Gaultheria shallon (salal)	1% to 10%				
Geranium robertianum (herb-Robert)	1% to 10%				
Hedera helix (English ivy)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Abies grandis (grand fir)	trace		5-10"	Y	
Sorbus aucuparia (European mountain ash)	trace		0-5"		
Conium maculatum (poison hemlock)	trace				
Corylus avellana (common filbert)	trace				
Glecoma hederacea (Ground-ivy)	trace				
Lonicera ciliosa (western orange honeysuckle)	trace				
Polygonum sachalinense (giant Sakhalin knotweed)	trace				
Ranunculus repens (creeping buttercup)	trace				

Unit FP*030

Size: 16.37 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: 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: 6/21/2004

Ecological Health: Fair.

% Tree canopy: 65%

% Non-Native Cover: 15

General Note:

Species of Interest: LOCI3, PAMY

Management Note:

Concentrate restoration efforts around trails. Protect streams by blocking off access to ravines --plant RUSP around streams/trails.

Eco Note:

This unit is a steep east facing slope bordered by ephemeral streams running down to a confluence on the northeast end. Invasives found mostly near trail.

Wetland indicators: Streams, Hydrophilic Vegetation, Saturated Soils.

Primary Management concerns: Invasives, Trampling, Domestic Animals, 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			
Acer circinatum (vine maple)	10% to 20%	Y			
Pseudotsuga menziesii (Douglas fir)	10% to 20%		20-30"		
Berberis nervosa (Oregon grape)	10% to 20%				
Tsuga heterophylla (western hemlock)	1% to 10%		5-10"	Y	
Athyrium filix-femina (ladyfern)	1% to 10%				
Circaea alpina (enchanter's-nightshade)	1% to 10%				
Galium aparine (cleavers)	1% to 10%				
Hedera helix (English ivy)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Lapsana communis (common nipplewort)	1% to 10%				
Montia sibirica (Siberian minerslettuce)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Sorbus aucuparia (European mountain ash)	trace		0-5"		
Clematis vitalba (clematis)	trace				
Geranium robertianum (herb-Robert)	trace				
Geum urbanum (herb bennet)	trace				
Lonicera ciliosa (western orange honeysuckle)	trace				
Paxistima myrsinites (Oregon boxleaf)	trace				

Unit FP*031

Size: 7.03 Acres

NVCS Class: Forest

NVCS Subclass: Deciduous forest

NVCS Group: Cold-deciduous forest

NVCS SubGroup: Natural / Semi-natural

NVCS Ecological System: CES204.869 North Pacific Lowland Riparian Forest and Shrubland

Landform: Side-hill, Middle 3rd

Slope: Extremely Steep (over 30%)

Aspect: Southeast

Notes:

Visit date: 6/22/2004

Ecological Health: Fair.

% Tree canopy: 80%

% Non-Native Cover: 5

General Note:

NVCS changed from mixed evergreen-broadleaf to deciduous broadleaf forest. Unit consists of canyon extending from NW 53rd Ave. to Wildwood Trail. There is a widespread but unidentified carrot.

Management Note:

HEHE located mostly along the trails.

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			
Rubus spectabilis (salmonberry)	20% to 50%	Y			
Sambucus racemosa (red elderberry)	10% to 20%				
Pseudotsuga menziesii (Douglas fir)	1% to 10%		20-30"		
Athyrium filix-femina (ladyfern)	1% to 10%				
Berberis nervosa (Oregon grape)	1% to 10%				
Hedera helix (English ivy)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Viola glabella (stream violet)	1% to 10%				
Galium aparine (cleavers)	trace				
Geranium robertianum (herb-Robert)	trace				
Geum urbanum (herb bennet)	trace				

Lapsana communis (common nipplewort)	trace
Ranunculus repens (creeping buttercup)	trace

Unit FP*032

Size: 6.92 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, Middle 3rd
Slope: Extremely Steep (over 30%)
Aspect: Southeast
Notes:

Visit date: 6/22/2004

Ecological Health: Fair.
% Tree canopy: 70%
% Non-Native Cover: 10
General Note:

Management Note:

ILAQ removal has taken place near trailhead.
RUSP is dominant (90-100% cover) in draws. Less common elsewhere.

Primary Management concerns: Invasives, Hardscape Infrastructure.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Pseudotsuga menziesii (Douglas fir)	50% to 75%	Y	20-30"		
Acer macrophyllum (bigleaf maple)	20% to 50%		10-20"	Y	
Polystichum munitum (sword fern)	20% to 50%				
Sambucus racemosa (red elderberry)	10% to 20%	Y			
Achlys triphylla (vanillaleaf)	1% to 10%				
Berberis nervosa (Oregon grape)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Rubus parviflorus (thimbleberry)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Thuja plicata (western red cedar)	trace		5-10"	Y	
Clematis vitalba (clematis)	trace				
Corylus avellana (common filbert)	trace				
Geranium robertianum (herb-Robert)	trace				
Lilium columbianum (tiger-lily)	trace				

Unit FP*033

Size: 35.6 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: East

Notes:

Visit date: 6/22/2004

Ecological Health: Fair.
% Tree canopy: 70%
% Non-Native Cover: 15
General Note:

Management Note:
Several side trails. Some lead to homeless camps.
Eco Note:
Many dead red elderberry plants. It appears that some Lunaria annua has been removed from this unit.
Wetland indicators: Streams, Hydrophilic Vegetation, Saturated Soils.
Primary Management concerns: Invasives, Domestic Animals, Litter, Homeless Camp, 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)	50% to 75%	Y			
Rubus parviflorus (thimbleberry)	10% to 20%	Y			
Sambucus racemosa (red elderberry)	10% to 20%	Y			
Pseudotsuga menziesii (Douglas fir)	10% to 20%		20-30"		
Berberis nervosa (Oregon grape)	1% to 10%	Y			
Alnus rubra (red alder)	1% to 10%		10-20"		
Acer circinatum (vine maple)	1% to 10%				
Hedera helix (English ivy)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Tsuga heterophylla (western hemlock)	trace		5-10"		
Aesculus hippocastanum (horsechestnut)	trace		0-5"		
Cornus nuttallii (Pacific dogwood)	trace		0-5"		
Prunus avium (sweet pie cherry)	trace		0-5"		
Thuja plicata (western red cedar)	trace		0-5"	Y	Y
Alliaria petiolata (garlic mustard)	trace				
Arctium minus (lesser burdock)	trace				
Clematis vitalba (clematis)	trace				
Corylus avellana (common filbert)	trace				
Crataegus monogyna (European hawthorn)	trace				
Geranium robertianum (herb-Robert)	trace				
Geum urbanum (herb bennet)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Lilium columbianum (tiger-lily)	trace				
Lunaria annua (annual honesty)	trace				
Ranunculus repens (creeping buttercup)	trace				
Rumex obtusifolius (bitter dock)	trace				

Unit FP*034

Size: 9.9 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: Canyon bottom < 600'
Slope: Extremely Steep (over 30%)
Aspect: Northeast
Notes:

Visit date: 6/23/2004

Ecological Health: Poor.
% Tree canopy: 75%
% Non-Native Cover: 80
General Note:
Steep, extremely weedy canyon along lower Leif Erickson Drive.
Management Note:

Wetland indicators: Streams, Hydrophilic Vegetation, Surface Water, Saturated Soils, Standing Flowing Water.
Primary Management concerns: Invasives, Litter.
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"	Y	
Clematis vitalba (clematis)	20% to 50%	Y			
Hedera helix (English ivy)	20% to 50%	Y			
Rubus discolor (Himalayan blackberry)	20% to 50%	Y			
Athyrium filix-femina (ladyfern)	10% to 20%				
Hydrophyllum tenuipes (Pacific waterleaf)	10% to 20%				
Polystichum munitum (sword fern)	10% to 20%				
Rubus spectabilis (salmonberry)	10% to 20%				
Populus balsamifera ssp. trichocarpa (black cott	1% to 10%		>30"		
Tsuga heterophylla (western hemlock)	1% to 10%		5-10"	Y	
Acer circinatum (vine maple)	1% to 10%				
Oemleria cerasiformis (Indian-plum)	1% to 10%				
Aesculus hippocastanum (horsechestnut)	trace		0-5"	Y	
Thuja plicata (western red cedar)	trace		0-5"	Y	
Adiantum pedatum (maidenhair fern)	trace				
Alliaria petiolata (garlic mustard)	trace				
Crataegus monogyna (European hawthorn)	trace				
Galium aparine (cleavers)	trace				
Geranium robertianum (herb-Robert)	trace				
Geum urbanum (herb bennet)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Plantago major (common plantain)	trace				
Prunus emarginata (bitter cherry)	trace				
Prunus laurocerasus (English laurel)	trace				
Ranunculus repens (creeping buttercup)	trace				
Ribes bracteosum (stink currant)	trace				

Unit FP*035

Size: 4.23 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: East
Notes:

Visit date: 6/23/2004
Ecological Health: Poor.
% Tree canopy: 70%
% Non-Native Cover: 60
General Note:
there is a widespread unknown carrot.
Management Note:

Unit surrounds a large water tank.

Wetland indicators: Hydrophilic Vegetation.

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

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	50% to 75%	Y	10-20"	Y	
Hedera helix (English ivy)	20% to 50%				
Rubus discolor (Himalayan blackberry)	20% to 50%				
Clematis vitalba (clematis)	10% to 20%				
Polystichum munitum (sword fern)	10% to 20%				
Alnus rubra (red alder)	1% to 10%		10-20"		
Pseudotsuga menziesii (Douglas fir)	1% to 10%		5-10"	Y	
Sorbus aucuparia (European mountain ash)	1% to 10%		0-5"		
Corylus cornuta (western beaked hazelnut)	1% to 10%				
Gaultheria shallon (salal)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Oemleria cerasiformis (Indian-plum)	1% to 10%				
Prunus emarginata (bitter cherry)	trace		0-5"		
Crataegus monogyna (European hawthorn)	trace				
Galium aparine (cleavers)	trace				
Geranium robertianum (herb-Robert)	trace				
Geum urbanum (herb bennet)	trace				
Lapsana communis (common nipplewort)	trace				
Ranunculus repens (creeping buttercup)	trace				
Rumex obtusifolius (bitter dock)	trace				

Unit FP*036

Size: 0.98 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: unknown

Slope: unknown

Aspect: unknown

Notes: This unit was not surveyed because it consists of a water tank and a mowed area.

Unit FP*037

Size: 0.58 Acres

NVCS Class: Woodland

NVCS Subclass: Deciduous woodland

NVCS Group: Cold-deciduous woodland

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: 6/23/2004

Ecological Health: Poor.

% Tree canopy: 35%

% Non-Native Cover: 80

Management Note:

Small amounts of ivy removal has taken place.

Nearly 100% cover of RUDI in patches. CLVI and HEHE topping trees.

Wetland indicators: Hydrophilic Vegetation.

Primary Management concerns: Invasives, 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"	Y	
Hedera helix (English ivy)	20% to 50%				
Fraxinus latifolia (Oregon ash)	1% to 10%		10-20"	Y	
Pseudotsuga menziesii (Douglas fir)	1% to 10%		10-20"		
Thuja plicata (western red cedar)	1% to 10%		10-20"	Y	
Alnus rubra (red alder)	1% to 10%		5-10"		
Clematis vitalba (clematis)	1% to 10%				
Convolvulus arvensis (morning glory)	1% to 10%				
Corylus avellana (common filbert)	1% to 10%				
Corylus cornuta (western beaked hazelnut)	1% to 10%				
Equisetum telmateia (giant horsetail)	1% to 10%				
Polystichum munitum (sword fern)	1% to 10%				
Rubus parviflorus (thimbleberry)	1% to 10%				
Dactylis glomerata (orchard grass)	trace				
Galium aparine (cleavers)	trace				
Solanum dulcamara (bittersweet nightshade)	trace				

Unit FP*039

Size: 0.76 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: 6/23/2004

Ecological Health: Poor.

% Tree canopy: 65%

% Non-Native Cover: 75

General Note:

Extremely weedy, small patch overlooking warehouses on St. Helens Drive.

Management Note:

Many dead SARAs and POMU's.

Primary Management concerns: Invasives.

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"		
Oemleria cerasiformis (Indian-plum)	20% to 50%	Y			
Polystichum munitum (sword fern)	20% to 50%	Y			
Acer macrophyllum (bigleaf maple)	10% to 20%	Y	10-20"	Y	
Thuja plicata (western red cedar)	10% to 20%		10-20"		
Ilex aquafolium (English holly)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Aesculus hippocastanum (horsechestnut)	trace		0-5"		

Unit FP*040

Size: 3.67 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: East
Notes:

Visit date: 8/31/2004
Ecological Health: Poor.
% Tree canopy: 80%
General Note:
This unit was located in the southwest corner of the park.
Management Note:
Invasives were very heavy both on the ground and in the canopy of the trees. Besides plant species this unit was also heavily impacted by the industrial area.
Eco Note:
This unit had very steep slopes. It also had a large drainage on the south side of the unit.
Wetland indicators: Streams.
Primary Management concerns: Invasives, Litter, Informal Trails.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Hedera helix (English ivy)	over 75%	Y			
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	20-30"		
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"	Y	
Rubus discolor (Himalayan blackberry)	20% to 50%				
Acer circinatum (vine maple)	1% to 10%				
Berberis nervosa (Oregon grape)	1% to 10%				
Clematis vitalba (clematis)	1% to 10%				
Holodiscus discolor (oceanspray)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Polystichum munitum (sword fern)	1% to 10%				
Symphoricarpos albus (snowberry)	1% to 10%				
Quercus garryana (Oregon white oak)	trace		10-20"		
Aesculus hippocastanum (horsechestnut)	trace		0-5"		
Prunus avium (sweet pie cherry)	trace		0-5"		
Crataegus monogyna (European hawthorn)	trace				
Philadelphus lewisii (Lewis' mockorange)	trace				
Polygonum cuspidatum (Japanese knotweed)	trace				
Prunus laurocerasus (English laurel)	trace				

Unit FP*041

Size: 2.96 Acres
NVCS Class: Woodland
NVCS Subclass: Deciduous woodland
NVCS Group: Cold-deciduous woodland
NVCS SubGroup: Natural / Semi-natural
NVCS Ecological System: CES204.869 North Pacific Lowland Riparian Forest and Shrubland
Landform: Side-hill, Lower 3rd
Slope: Gentle (10 to 20%)
Aspect: Northeast
Notes:

Visit date: 6/23/2004
Ecological Health: Poor.
% Tree canopy: 60%

General Note:

Unit contains an old road grade for most of its length.

Management Note:

Eco Note:

Primary Management concerns: Invasives, Litter, Homeless Camp, Informal Trails.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	50% to 75%	Y	10-20"	Y	
Hedera helix (English ivy)	20% to 50%	Y			
Oemleria cerasiformis (Indian-plum)	20% to 50%	Y			
Urtica dioica (stinging nettle)	20% to 50%	Y			
Polystichum munitum (sword fern)	10% to 20%				
Tsuga heterophylla (western hemlock)	1% to 10%		20-30"	Y	
Clematis vitalba (clematis)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Symphoricarpos albus (snowberry)	1% to 10%				
Abies grandis (grand fir)	trace		20-30"	Y	
Fraxinus latifolia (Oregon ash)	trace		5-10"	Y	

Unit FP*042

Size: 41.03 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: CES204.001 North Pacific Maritime Dry-Mesic Douglas-fir-Western Hemlock Forest

Landform: Side-hill, Upper 3rd

Slope: Extremely Steep (over 30%)

Aspect: West

Notes:

Visit date: 6/21/2004

Ecological Health: Fair.

% Tree canopy: 80%

% Non-Native Cover: 40

General Note:

Management Note:

Many large groves of ILAQ are creating shaded, herb-free patches.

Eco Note:

Loud dog noise from adjacent properties. Downy woodpecker observed. Many more ALRU than usual--many were quite large (20-30" DBH).

Wetland indicators: Streams, Hydrophilic Vegetation.

Primary Management concerns: Invasives, Domestic Animals, Litter.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Berberis nervosa (Oregon grape)	50% to 75%	Y			
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	>30"		
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	20-30"	Y	
Polystichum munitum (sword fern)	20% to 50%				
Acer circinatum (vine maple)	10% to 20%				
Ilex aquafolium (English holly)	10% to 20%				
Alnus rubra (red alder)	1% to 10%		10-20"		
Thuja plicata (western red cedar)	1% to 10%		10-20"	Y	

Tsuga heterophylla (western hemlock)	1% to 10%	5-10"
Prunus avium (sweet pie cherry)	1% to 10%	0-5"
Alliaria petiolata (garlic mustard)	1% to 10%	
Corylus cornuta (western beaked hazelnut)	1% to 10%	
Galium aparine (cleavers)	1% to 10%	
Geranium robertianum (herb-Robert)	1% to 10%	
Hedera helix (English ivy)	1% to 10%	
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%	
Lactuca muralis (wall lettuce)	1% to 10%	
Montia sibirica (Siberian minerslettuce)	1% to 10%	
Rubus discolor (Himalayan blackberry)	1% to 10%	
Sambucus racemosa (red elderberry)	1% to 10%	
Urtica dioica (stinging nettle)	1% to 10%	
Vaccinium parvifolum (red huckleberry)	1% to 10%	
Viola glabella (stream violet)	1% to 10%	
Geum urbanum (herb bennet)	trace	
Phalaris arundinacea (reed canarygrass)	trace	
Vinca minor (common small-leaf periwinkle)	trace	

Unit FP*043

Size: 5.07 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: Steep (20 to 30%)
Aspect: Southwest
Notes:

Visit date: 8/17/2004

Ecological Health: Fair.
% Tree canopy: 80%
% Non-Native Cover: 15
General Note:

Unit is just south of the intersection of Thompson and Cornell. Retaining wall along bank with lots of litter on edge.

Management Note:

ILAQ, CLVI and CRMO in interior all other invasives associated with road.

Eco Note:

Young stand in marginal area with a lot of negative aspects.

Wetland indicators: Streams, Hydrophilic Vegetation.
Primary Management concerns: Invasives, Litter, Stream Bank Erosion.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"	Y	
Alnus rubra (red alder)	20% to 50%	Y	10-20"	Y	
Acer circinatum (vine maple)	20% to 50%	Y			
Polystichum munitum (sword fern)	20% to 50%	Y			
Populus balsamifera ssp. trichocarpa (black cott	1% to 10%		20-30"		
Pseudotsuga menziesii (Douglas fir)	1% to 10%		20-30"	Y	
Thuja plicata (western red cedar)	1% to 10%		5-10"	Y	
Berberis nervosa (Oregon grape)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Tsuga heterophylla (western hemlock)	trace		5-10"	Y	
Alliaria petiolata (garlic mustard)	trace				
Bidens frondosa (devil's leafy beggarticks)	trace				
Cirsium vulgare (bull thistle)	trace				
Clematis vitalba (clematis)	trace				
Crataegus monogyna (European hawthorn)	trace				
Dactylis glomerata (orchard grass)	trace				
Daucus carota (Queen Anne's lace)	trace				

Geranium robertianum (herb-Robert)	trace
Geum urbanum (herb bennet)	trace
Hedera helix (English ivy)	trace
Lactuca muralis (wall lettuce)	trace
Lapsana communis (common nipplewort)	trace
Petasites frigidus (coltsfoot)	trace
Phalaris arundinacea (reed canarygrass)	trace
Plantago lanceolata (English narrowleaf buckhorn	trace
Plantago major (common plantain)	trace
Ranunculus repens (creeping buttercup)	trace
Rumex obtusifolius (bitter dock)	trace
Solanum dulcamara (bittersweet nightshade)	trace

Unit FP*045

Size: 26.53 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, Upper 3rd
Slope: Extremely Steep (over 30%)
Aspect: Southwest
Notes:

Visit date: 6/23/2004

Ecological Health: Fair.
% Tree canopy: 60%
% Non-Native Cover: 25
General Note:

This unit is steep SW facing slope with three ravines converging at the south edge.

Management Note:

Sorbus (SOAU) and English holly (ILAQ) are scattered throughout. Invasive forbs are present all along the roads (53 rd/Thompson). Management plan should deal with these problems.

Eco Note:

In the interior of the unit along the streams there are some large trees. ABGR 51.0 DBH, ACMA 28.5 DBH. Structural diversity, large range in tree ages and snags create a good forest habitat.

Wetland indicators: Streams, Hydrophilic Vegetation, Saturated Soils.
Primary Management concerns: Invasives, Litter.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Polystichum munitum (sword fern)	50% to 75%	Y			
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	20-30"	Y	
Acer circinatum (vine maple)	20% to 50%	Y			
Berberis nervosa (Oregon grape)	20% to 50%				
Montia sibirica (Siberian minerslettuce)	10% to 20%	Y			
Abies grandis (grand fir)	10% to 20%		>30"	Y	
Pseudotsuga menziesii (Douglas fir)	10% to 20%		20-30"		
Galium aparine (cleavers)	10% to 20%				
Hydrophyllum tenuipes (Pacific waterleaf)	10% to 20%				
Alnus rubra (red alder)	1% to 10%		10-20"	Y	
Thuja plicata (western red cedar)	1% to 10%		5-10"	Y	
Geranium robertianum (herb-Robert)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Urtica dioica (stinging nettle)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Sorbus aucuparia (European mountain ash)	trace		0-5"		
Alliaria petiolata (garlic mustard)	trace				
Clematis vitalba (clematis)	trace				
Rumex obtusifolius (bitter dock)	trace				
Sisymbrium officinale (hedgemustard)	trace				

Unit FP*046

Size: 9.18 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, Upper 3rd
Slope: Extremely Steep (over 30%)
Aspect: Southwest
Notes:

Visit date: 6/22/2004

Ecological Health: Fair.
% Tree canopy: 60%
% Non-Native Cover: 20
General Note:

This unit consists of a steep slope facing southwest with a ravine and ephemeral stream on the west edge of the unit. Unit is bordered on northeast side by a house--trash and PVC pipe thrown into unit. Litter in unit off of road on southwest edge.

Management Note:

Invasives most prevalent near roads on north and south ends.

Eco Note:

ACCI and ABGR create good structural diversity. With some minor intervention (removal of HEHE & RUDI in the interior) this unit could easily become a 2 in ecological health.

Wetland indicators: Streams, Hydrophilic Vegetation.
Primary Management concerns: Invasives, Litter, Utility Infrastructure, Encroachment.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"	Y	
Acer circinatum (vine maple)	20% to 50%	Y			
Berberis nervosa (Oregon grape)	20% to 50%	Y			
Polystichum munitum (sword fern)	20% to 50%	Y			
Pseudotsuga menziesii (Douglas fir)	10% to 20%		20-30"		
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%	Y			
Montia sibirica (Siberian minerslettuce)	1% to 10%	Y			
Alnus rubra (red alder)	1% to 10%		10-20"		
Abies grandis (grand fir)	1% to 10%		5-10"	Y	
Thuja plicata (western red cedar)	1% to 10%		5-10"	Y	
Gaultheria shallon (salal)	1% to 10%				
Hedera helix (English ivy)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Viola glabella (stream violet)	1% to 10%				
Alliaria petiolata (garlic mustard)	trace				
Cirsium vulgare (bull thistle)	trace				
Galium aparine (cleavers)	trace				
Geranium dissectum (cutleaf Cranesbill)	trace				
Geranium molle (Dovefoot)	trace				
Geranium robertianum (herb-Robert)	trace				
Geum urbanum (herb bennet)	trace				
Holcus lanatus (velvet grass)	trace				
Ilex aquafolium (English holly)	trace				
Lapsana communis (common nipplewort)	trace				
Phacelia heterophylla (varileaf phacelia)	trace				
Ranunculus repens (creeping buttercup)	trace				
Rumex obtusifolius (bitter dock)	trace				
Sisymbrium officinale (hedgemustard)	trace				
Stachys cooleyae (Cooley's hedgenettle)	trace				

Unit FP*047

Size: 6.30 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, Upper 3rd
Slope: Extremely Steep (over 30%)
Aspect: Southwest
Notes:

Visit date: 6/22/2004

Ecological Health: Fair.
% Tree canopy: 70%
% Non-Native Cover: 15
General Note:

Steep incline at bottom (S), levels off at top (N), drainages on both sides, unit sits between 53rd and Thompson.

Management Note:

Remove ILAQ and possibly introduce a second canopy.

Eco Note:

Less secondary tree and high shrub canopy than adjacent unit. Good downed wood and standing snags.

Wetland indicators: Hydrophilic Vegetation.
Primary Management concerns: Invasives.
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	5-10"	Y	
Polystichum munitum (sword fern)	20% to 50%	Y			
Berberis nervosa (Oregon grape)	10% to 20%	Y			
Hydrophyllum tenuipes (Pacific waterleaf)	10% to 20%				
Ilex aquafolium (English holly)	10% to 20%				
Montia sibirica (Siberian minerslettuce)	10% to 20%				
Thuja plicata (western red cedar)	1% to 10%		0-5"	Y	
Acer circinatum (vine maple)	1% to 10%				
Galium aparine (cleavers)	1% to 10%				
Rosa gymnocarpa (dwarf wood rose)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Alliaria petiolata (garlic mustard)	trace				
Cirsium arvense (Canadian Thistle)	trace				
Epilobium ciliatum ssp. watsonii (fringed willow	trace				
Geranium dissectum (cutleaf Cranesbill)	trace				
Geranium molle (Dovefoot)	trace				
Geranium robertianum (herb-Robert)	trace				
Holcus lanatus (velvet grass)	trace				
Hypericum perforatum (common St. John's wort)	trace				
Hypochaeris radicata (hairy cats-ear)	trace				
Lapsana communis (common nipplewort)	trace				
Leucanthemum vulgare (oxeye daisy)	trace				
Monotropa uniflora (indianpipe)	trace				
Rubus discolor (Himalayan blackberry)	trace				
Rumex obtusifolius (bitter dock)	trace				
Sisymbrium officinale (hedgemustard)	trace				
Trifolium pratense (red clover)	trace				
Trifolium repens (common clover)	trace				

Unit FP*048

Size: 2.72 Acres

NVCS Class: Woodland
NVCS Subclass: Deciduous woodland
NVCS Group: Cold-deciduous woodland
NVCS SubGroup: Natural / Semi-natural
NVCS Ecological System: CES204.846 North Pacific Broadleaf Mesic Seral Forest
Landform: Side-hill, Upper 3rd
Slope: Gentle (5 to 10%)
Aspect: Southeast
Notes:

Visit date: 8/12/2004

Ecological Health: Poor.
% Tree canopy: 50%
% Non-Native Cover: 60
General Note:

This site appears to be an old home site. The unit runs along the South edge of NW 53rd Dr.

Management Note:

There are Douglas fir, Western red cedar, Sword fern, and snowberry replantings on this site. The replantings are located in an area of dense non-native grasses.

Eco Note:

Many different kinds of invasives in low concentrations, mostly non-native grasses make up the bulk of non-natives.

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	
Agrostis sp. (bentgrass)	20% to 50%	Y			
Festuca arundinacea (tall fescue)	10% to 20%				
Holcus lanatus (velvet grass)	10% to 20%				
Polystichum munitum (sword fern)	1% to 10%				
Ranunculus repens (creeping buttercup)	1% to 10%				
Metasequoia glyptostroboides (Dawn Redwood)	trace			10-20"	
Pseudotsuga menziesii (Douglas fir)	trace		5-10"		Y
Cornus nuttallii (Pacific dogwood)	trace		0-5"		
Thuja plicata (western red cedar)	trace		0-5"		Y
Arctium minus (lesser burdock)	trace				
Cirsium vulgare (bull thistle)	trace				
Crataegus monogyna (European hawthorn)	trace				
Dactylis glomerata (orchard grass)	trace				
Daucus carota (Queen Anne's lace)	trace				
Galium aparine (cleavers)	trace				
Geranium robertianum (herb-Robert)	trace				
Hedera helix (English ivy)	trace				
Hypericum perforatum (common St. John's wort)	trace				
Hypochaeris radicata (hairy cats-ear)	trace				
Ilex aquafolium (English holly)	trace				
Lapsana communis (common nipplewort)	trace				
Leucanthemum vulgare (oxeye daisy)	trace				
Oxalis suksdorfii (Suksdorf Woodsorrel)	trace				
Plantago lanceolata (English narrowleaf buckhorn	trace				
Rubus discolor (Himalayan blackberry)	trace				
Rumex obtusifolius (bitter dock)	trace				
Senecio jacobaea (tansy ragwort)	trace				

Unit FP*049

Size: 11.40 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, Middle 3rd
Slope: Extremely Steep (over 30%)
Aspect: South
Notes:

Visit date: 8/12/2004
Ecological Health: Fair.
% Tree canopy: 80%
% Non-Native Cover: 20
General Note:
Unit is bordered on the south by Thompson Rd. This area looks as though it was logged early in Portland's history.
Management Note:
Many populations of ILAQ scattered throughout unit.
Eco Note:
Unit is a moderately steep slope trending south - flanked on the east and west sides by ephemeral streams. Large PSME dominate the stand creating a dense canopy.
Wetland indicators: Streams.
Primary Management concerns: Invasives, Litter, Homeless Camp, Informal Trails.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Pseudotsuga menziesii (Douglas fir)	50% to 75%	Y	>30"		
Berberis nervosa (Oregon grape)	20% to 50%	Y			
Polystichum munitum (sword fern)	20% to 50%	Y			
Acer macrophyllum (bigleaf maple)	20% to 50%		10-20"	Y	
Acer circinatum (vine maple)	10% to 20%	Y			
Ilex aquafolium (English holly)	10% to 20%				
Thuja plicata (western red cedar)	1% to 10%		5-10"	Y	
Achlys triphylla (vanillaleaf)	1% to 10%				
Hedera helix (English ivy)	1% to 10%				
Smilacina stellata (starry false-Solomon's seal)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Alnus rubra (red alder)	trace		5-10"		
Cirsium arvense (Canadian Thistle)	trace				
Erigeron annuus (annual eastern daisy Fleabane)	trace				
Galium aparine (cleavers)	trace				
Geranium robertianum (herb-Robert)	trace				
Hypericum perforatum (common St. John's wort)	trace				
Lapsana communis (common nipplewort)	trace				
Rumex obtusifolius (bitter dock)	trace				

Unit FP*050

Size: 8.60 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: East
Notes:

Visit date: 8/16/2004
Ecological Health: Good.

% Tree canopy: 75%
% Non-Native Cover: trace
General Note:
This unit is a deciduous stand on a east facing slope. It's bound by the Wildwood Trail on one side and the Wild Cherry Trail on the other.
Management Note:
ILAQ removal was currently under way in this unit. Other invasives were associated with the trails.
Eco Note:
This was a deciduous unit, the conifers present were large.
Wetland indicators: Streams.
Primary Management concerns: Invasives, Domestic Animals, Litter.
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"		
Pseudotsuga menziesii (Douglas fir)	1% to 10%		20-30"		
Ilex aquafolium (English holly)	1% to 10%				
Oemleria cerasiformis (Indian-plum)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Cornus nuttallii (Pacific dogwood)	trace		0-5"		
Arctium minus (lesser burdock)	trace				
Geum urbanum (herb bennet)	trace				
Lapsana communis (common nipplewort)	trace				
Lunaria annua (annual honesty)	trace				
Rumex obtusifolius (bitter dock)	trace				

Unit FP*051

Size: 25.27 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: East
Notes:

Visit date: 8/19/2004
Ecological Health: Fair.
% Tree canopy: 70%
General Note:
Large unit to the west of Leif Erickson. Wildwood trail runs along west side of unit.
Management Note:
HEHE is becoming a problem in the interior, other invasives are associated with the roads and trails.
Eco Note:
Several creeks in this east facing unit. URDI cover was heavier than in most units of Forest Park.
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	
Acer circinatum (vine maple)	10% to 20%	Y			

Rubus parviflorus (thimbleberry)	10% to 20%	Y			
Pseudotsuga menziesii (Douglas fir)	10% to 20%		20-30"		
Hedera helix (English ivy)	10% to 20%				
Polystichum munitum (sword fern)	10% to 20%				
Urtica dioica (stinging nettle)	10% to 20%				
Alnus rubra (red alder)	1% to 10%		10-20"	Y	
Thuja plicata (western red cedar)	1% to 10%		5-10"	Y	
Oemleria cerasiformis (Indian-plum)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Rubus ursinus (trailing blackberry)	1% to 10%				
Populus balsamifera ssp. trichocarpa (black cott	trace		>30"	Y	
Aesculus hippocastanum (horsechestnut)	trace		5-10"	Y	
Arctium minus (lesser burdock)	trace				
Clematis vitalba (clematis)	trace				
Crataegus monogyna (European hawthorn)	trace				
Galium aparine (cleavers)	trace				
Geum urbanum (herb bennet)	trace				
Ilex aquafolium (English holly)	trace				
Lapsana communis (common nipplewort)	trace				
Lunaria annua (annual honesty)	trace				
Phalaris arundinacea (reed canarygrass)	trace				
Plantago major (common plantain)	trace				
Ranunculus repens (creeping buttercup)	trace				
Rumex obtusifolius (bitter dock)	trace				
Trifolium pratense (red clover)	trace				

Unit FP*053

Size: 38.08 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: East
Notes:

Visit date: 8/24/2004

Ecological Health: Poor.
% Tree canopy: 70%
% Non-Native Cover: 35
General Note:
Large unit east of Leif Erickson. Unit had rocky steep slopes. Species of Interest: LOCI3
Management Note:
Heavy invasives throughout unit with CLVI crowning the tree tops. Large homeless camp with several trails in lower part of unit.
Eco Note:
POBAT with some regeneration along edge of Leif Erickson. Four main drainages throughout unit, some stream down cutting.
Wetland indicators: Streams, Hydrophilic Vegetation, Saturated Soils, Standing Flowing Water.
Primary Management concerns: Invasives, Litter, Homeless Camp, Stream Bank Erosion, 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"	Y	
Clematis vitalba (clematis)	20% to 50%	Y			
Polystichum munitum (sword fern)	20% to 50%	Y			
Acer circinatum (vine maple)	10% to 20%	Y			

Hedera helix (English ivy)	10% to 20%			
Rubus discolor (Himalayan blackberry)	10% to 20%			
Abies grandis (grand fir)	1% to 10%		10-20"	Y
Tsuga heterophylla (western hemlock)	1% to 10%		10-20"	Y
Achlys triphylla (vanillaleaf)	1% to 10%			
Adiantum pedatum (maidenhair fern)	1% to 10%			
Berberis nervosa (Oregon grape)	1% to 10%			
Geranium robertianum (herb-Robert)	1% to 10%			
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%			
Ilex aquafolium (English holly)	1% to 10%			
Sambucus racemosa (red elderberry)	1% to 10%			
Symphoricarpos albus (snowberry)	1% to 10%			
Vaccinium parvifolum (red huckleberry)	1% to 10%			
Aquilegia formosa (western columbine)	trace			
Arctium minus (lesser burdock)	trace			
Cichorium intybus (chicory)	trace			
Cirsium arvense (Canadian Thistle)	trace			
Convolvulus arvensis (morning glory)	trace			
Dactylis glomerata (orchard grass)	trace			
Daucus carota (Queen Anne's lace)	trace			
Erigeron annuus (annual eastern daisy Fleabane)	trace			
Geum urbanum (herb bennet)	trace			
Holcus lanatus (velvet grass)	trace			
Hypochaeris radicata (hairy cats-ear)	trace			
Lactuca muralis (wall lettuce)	trace			
Lapsana communis (common nipplewort)	trace			
Leucanthemum vulgare (oxeye daisy)	trace			
Lolium perenne (Italian perennial ryegrass)		trace		
Lonicera ciliosa (western orange honeysuckle)	trace			
Mentha xpiperita (peppermint)	trace			
Phalaris arundinacea (reed canarygrass)	trace			
Plantago lanceolata (English narrowleaf buckhorn	trace			
Plantago major (common plantain)	trace			
Prunella vulgaris var. vulgaris (common selfheal	trace			
Prunus laurocerasus (English laurel)	trace			
Ranunculus repens (creeping buttercup)	trace			
Rumex obtusifolius (bitter dock)	trace			
Solanum dulcamara (bittersweet nightshade)	trace			
Taraxacum officinale (common dandelion)	trace			
Toxicodendron diversilobum (poison oak)	trace			
Trifolium pratense (red clover)	trace			

Unit FP*054

Size: 8.86 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: North
Notes:

Visit date: 8/24/2004
Ecological Health: Poor.
% Tree canopy: 70%
% Non-Native Cover: 35
General Note:

Species of Interest: TABR2. Erosion is occurring along edge of road (Leif Erickson). Informal trails are leading off road just a short distance--people are using them for restroom spots.

Management Note:

Invasives are well established in this unit. CLVI and HEHE dominate the roadside and upper slope.

Eco Note:

Unit is a very steep slope bordered by a perennial stream on the north and Leif Erickson on the south. Stand is composed of multiple ages and structure is good towards the bottom.

Wetland indicators: Streams, Hydrophilic Vegetation.

Primary Management concerns: Invasives, Erosion, Informal Trails.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	20-30"		
Polystichum munitum (sword fern)	20% to 50%	Y			
Acer macrophyllum (bigleaf maple)	20% to 50%		10-20"		
Berberis nervosa (Oregon grape)	10% to 20%				
Clematis vitalba (clematis)	10% to 20%				
Hedera helix (English ivy)	10% to 20%				
Tsuga heterophylla (western hemlock)	1% to 10%		10-20"	Y	
Thuja plicata (western red cedar)	1% to 10%		5-10"	Y	
Acer circinatum (vine maple)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Rhamnus purshiana (cascara)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Taxus brevifolia (Pacific yew)	trace		5-10"		
Alliaria petiolata (garlic mustard)	trace				
Aquilegia formosa (western columbine)	trace				
Arctium minus (lesser burdock)	trace				
Cirsium arvense (Canadian Thistle)	trace				
Cirsium vulgare (bull thistle)	trace				
Convolvulus arvensis (morning glory)	trace				
Corylus avellana (common filbert)	trace				
Crataegus monogyna (European hawthorn)	trace				
Daucus carota (Queen Anne's lace)	trace				
Erigeron annuus (annual eastern daisy Fleabane)	trace				
Galium aparine (cleavers)	trace				
Geranium robertianum (herb-Robert)	trace				
Geum urbanum (herb bennet)	trace				
Holcus lanatus (velvet grass)	trace				
Hypochaeris radicata (hairy cats-ear)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Lathyrus latifolius (perennial pea)	trace				
Leucanthemum vulgare (oxeye daisy)	trace				
Lunaria annua (annual honesty)	trace				
Phalaris arundinacea (reed canarygrass)	trace				
Plantago lanceolata (English narrowleaf buckhorn	trace				
Plantago major (common plantain)	trace				
Ranunculus repens (creeping buttercup)	trace				
Rosa gymnocarpa (dwarf wood rose)	trace				
Rumex obtusifolius (bitter dock)	trace				
Solanum dulcamara (bittersweet nightshade)	trace				
Taraxacum officinale (common dandelion)	trace				
Trifolium pratense (red clover)	trace				

Unit FP*055

Size: 18.95 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: 8/16/2004

Ecological Health: Fair.

% Tree canopy: 70%

% Non-Native Cover: 20

General Note:

LE at bottom of unit. Dogwood trail also in unit.

Management Note:

Invasives on LE (RUDI, CLVI, HEHE) moving into unit need to be controlled ASAP.

Eco Note:

Interior of unit was open, lacking heavy shrub and forb cover.

Wetland indicators: Streams, Hydrophilic Vegetation.

Primary Management concerns: Invasives, Litter.

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"	Y	
Polystichum munitum (sword fern)	20% to 50%	Y			
Hedera helix (English ivy)	10% to 20%				
Sambucus racemosa (red elderberry)	1% to 10%	Y			
Populus balsamifera ssp. trichocarpa (black cott	1% to 10%		>30"	Y	
Alnus rubra (red alder)	1% to 10%		10-20"	Y	
Tsuga heterophylla (western hemlock)	1% to 10%		5-10"	Y	
Achlys triphylla (vanillaleaf)	1% to 10%				
Clematis vitalba (clematis)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Rubus parviflorus (thimbleberry)	1% to 10%				
Abies grandis (grand fir)	trace		0-5"	Y	
Cirsium vulgare (bull thistle)	trace				
Crataegus monogyna (European hawthorn)	trace				
Geranium robertianum (herb-Robert)	trace				
Geum urbanum (herb bennet)	trace				
Hypochaeris radicata (hairy cats-ear)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Leucanthemum vulgare (oxeye daisy)	trace				
Lunaria annua (annual honesty)	trace				
Phalaris arundinacea (reed canarygrass)	trace				
Plantago lanceolata (English narrowleaf buckhorn	trace				
Plantago major (common plantain)	trace				
Ranunculus repens (creeping buttercup)	trace				
Rumex obtusifolius (bitter dock)	trace				
Taraxacum officinale (common dandelion)	trace				
Trifolium repens (common clover)	trace				

Unit FP*056

Size: 25.54 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: Northwest

Notes:

Visit date: 8/16/2004

Ecological Health: Fair.

% Tree canopy: 70%

General Note:

Leif Erickson Drive on lower end. Wildwood Trail runs through upper third.

Management Note:

ILAQ, LUAN main invasives in interior of unit. Other invasives are near Leif Erickson.

Eco Note:

Wetland indicators: Streams.
Primary Management concerns: Invasives, Litter.
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			
Rubus parviflorus (thimbleberry)	20% to 50%	Y			
Alnus rubra (red alder)	10% to 20%		10-20"		
Pseudotsuga menziesii (Douglas fir)	1% to 10%		10-20"	Y	
Berberis nervosa (Oregon grape)	1% to 10%				
Clematis vitalba (clematis)	1% to 10%				
Corylus avellana (common filbert)	1% to 10%				
Disporum hookeri (Hooker's fairybells)	1% to 10%				
Hedera helix (English ivy)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Prunus emarginata (bitter cherry)	trace		10-20"		
Abies grandis (grand fir)	trace		5-10"	Y	
Tsuga heterophylla (western hemlock)	trace		5-10"	Y	
Arctium minus (lesser burdock)	trace				
Geranium robertianum (herb-Robert)	trace				
Geum urbanum (herb bennet)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Lilium columbianum (tiger-lily)	trace				
Lunaria annua (annual honesty)	trace				
Plantago major (common plantain)	trace				
Ranunculus repens (creeping buttercup)	trace				
Rumex obtusifolius (bitter dock)	trace				
Trifolium pratense (red clover)	trace				

Unit FP*057

Size: 15.27 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: 8/16/2004
Ecological Health: Fair.
% Tree canopy: 75%
% Non-Native Cover: 15
General Note:
This unit consisted of a NE facing slope with a ridge at the top. Species of interest: LICO
Management Note:
CLVI heavy in SW quad above trail, ILAQ throughout. Some ILAQ removal taking place at top of unit near trail.
Eco Note:
There was a decent amount of both down wood and standing snags. Along the Wildwood trail there were large holes dug, 1.5' across and 1.5' deep.
Wetland indicators: Streams.
Primary Management concerns: Invasives.

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			
Pseudotsuga menziesii (Douglas fir)	10% to 20%	Y	20-30"		
Sambucus racemosa (red elderberry)	10% to 20%	Y			
Berberis nervosa (Oregon grape)	10% to 20%				
Populus balsamifera ssp. trichocarpa (black cott	1% to 10%		20-30"	Y	
Alnus rubra (red alder)	1% to 10%		10-20"		
Abies grandis (grand fir)	1% to 10%		0-5"	Y	
Tsuga heterophylla (western hemlock)	1% to 10%		0-5"	Y	
Acer circinatum (vine maple)	1% to 10%				
Achlys triphylla (vanillaleaf)	1% to 10%				
Clematis vitalba (clematis)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Rubus parviflorus (thimbleberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Thuja plicata (western red cedar)	trace		0-5"	Y	
Arctium minus (lesser burdock)	trace				
Geum urbanum (herb bennet)	trace				
Lapsana communis (common nipplewort)	trace				
Lilium columbianum (tiger-lily)	trace				
Lunaria annua (annual honesty)	trace				
Plantago major (common plantain)	trace				
Rumex obtusifolius (bitter dock)	trace				

Unit FP*058

Size: 9.25 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: Steep (20 to 30%)
Aspect: Northwest
Notes:

Visit date: 8/16/2004

Ecological Health: Good.
% Tree canopy: 70%
% Non-Native Cover: 15
General Note:

This was a fairly health unit.

Management Note:

ILAQ in interior of unit other invasive in unit associated with trails.

Eco Note:

Fire Mon plot #2 in unit. This is a PSU fire modeling study.

Wetland indicators: Streams.
Primary Management concerns: Invasives.
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			
Alnus rubra (red alder)	20% to 50%		10-20"		
Pseudotsuga menziesii (Douglas fir)	1% to 10%		>30"		
Berberis nervosa (Oregon grape)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Thuja plicata (western red cedar)	trace		0-5"	Y	
Tsuga heterophylla (western hemlock)	trace		0-5"	Y	
Galium aparine (cleavers)	trace				
Geum urbanum (herb bennet)	trace				
Rumex obtusifolius (bitter dock)	trace				

Unit FP*059

Size: 9.22 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: North

Visit date: 6/24/2004

Ecological Health: Fair.
% Tree canopy: 75%
% Non-Native Cover: 30
General Note:

This unit was located north of 53rd. It had The Wildwood and another trial running through it. This area of the park seems to be heavily used there were lots of people walking dogs and jogging on the trials.

Management Note:

ILAQ was heavy in unit but was also being removed. Most or the other invasive were associated with the road/trails and should be removed.

Eco Note:

There were two drainages in this unit and some good secondary canopy coming in.

Wetland indicators: Streams, Hydrophilic Vegetation, Saturated Soils.
Primary Management concerns: Invasives, Domestic Animals, Large Refuse.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Polystichum munitum (sword fern)	20% to 50%	Y			
Pseudotsuga menziesii (Douglas fir)	10% to 20%	Y	20-30"		
Acer macrophyllum (bigleaf maple)	10% to 20%	Y	10-20"	Y	
Hydrophyllum tenuipes (Pacific waterleaf)	10% to 20%	Y			
Montia sibirica (Siberian minerslettuce)	10% to 20%	Y			
Berberis nervosa (Oregon grape)	10% to 20%				
Abies grandis (grand fir)	1% to 10%		5-10"	Y	
Thuja plicata (western red cedar)	1% to 10%		5-10"	Y	
Tsuga heterophylla (western hemlock)	1% to 10%		5-10"	Y	
Acer circinatum (vine maple)	1% to 10%				
Disporum hookeri (Hooker's fairybells)	1% to 10%				
Rosa gymnocarpa (dwarf wood rose)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Viola glabella (stream violet)	1% to 10%				
Populus alba (white poplar)	trace		0-5"		
Alliaria petiolata (garlic mustard)	trace				
Angelica arguta (sharptooth)	trace				
Cirsium vulgare (bull thistle)	trace				
Crataegus monogyna (European hawthorn)	trace				
Dactylis glomerata (orchard grass)	trace				
Galium aparine (cleavers)	trace				
Geranium dissectum (cutleaf Cranesbill)	trace				
Geranium molle (Dovefoot)	trace				
Geranium robertianum (herb-Robert)	trace				
Geum macrophyllum (largeleaf avens)	trace				
Geum urbanum (herb bennet)	trace				
Holcus lanatus (velvet grass)	trace				
Ilex aquafolium (English holly)	trace				
Plantago major (common plantain)	trace				
Ranunculus repens (creeping buttercup)	trace				
Rumex obtusifolius (bitter dock)	trace				
Sisymbrium officinale (hedgemustard)	trace				
Streptopus amplexifolius (clasping-leaf twisted-	trace				
Trifolium pratense (red clover)	trace				

Unit FP*060

Size: 41.88 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, Upper 3rd
Slope: Extremely Steep (over 30%)
Aspect: Northeast
Notes:

Visit date: 6/24/2004

Ecological Health: Fair.
% Tree canopy: 60%
% Non-Native Cover: 10
General Note:

Unit FP*060 was located on the west side of the 53rd. It had steep slopes and 3 drainages running through it.

Management Note:

The major invasive is ILAQ and removal is already in progress. Other impacts are associated with the trails and the roads.

Eco Note:

This was a very deciduous unit with some conifer understory. It had fairly good structure, snags and down wood. Two large hornet nests on Wildwood trail.

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

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

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	50% to 75%	Y	10-20"	Y	
Hydrophyllum tenuipes (Pacific waterleaf)	20% to 50%	Y			
Montia sibirica (Siberian minerslettuce)	20% to 50%	Y			
Polystichum munitum (sword fern)	20% to 50%	Y			
Rubus parviflorus (thimbleberry)	10% to 20%	Y			
Rubus spectabilis (salmonberry)	10% to 20%	Y			
Sambucus racemosa (red elderberry)	10% to 20%	Y			
Galium aparine (cleavers)	10% to 20%				
Pseudotsuga menziesii (Douglas fir)	1% to 10%		20-30"		
Alnus rubra (red alder)	1% to 10%		10-20"		
Asarum caudatum (wild ginger)	1% to 10%				
Geranium robertianum (herb-Robert)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Prunus emarginata (bitter cherry)	trace		10-20"		
Abies grandis (grand fir)	trace		5-10"	Y	
Thuja plicata (western red cedar)	trace		5-10"	Y	
Tsuga heterophylla (western hemlock)	trace		5-10"	Y	
Alliaria petiolata (garlic mustard)	trace				
Corylus avellana (common filbert)	trace				
Dactylis glomerata (orchard grass)	trace				
Geum urbanum (herb bennet)	trace				
Hedera helix (English ivy)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Lilium columbianum (tiger-lily)	trace				
Plantago major (common plantain)	trace				
Ranunculus repens (creeping buttercup)	trace				
Rubus discolor (Himalayan blackberry)	trace				
Rumex obtusifolius (bitter dock)	trace				
Salix scouleriana (Scouler's willow)	trace				
Salix sitchensis (Sitka willow)	trace				
Sisymbrium officinale (hedgemustard)	trace				

Streptopus amplexifolius (clasping-leaf twisted-	trace
Vicia sativa (common vetch)	trace

Unit FP*061

Size: 4.38 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, Upper 3rd
Slope: Steep (20 to 30%)
Aspect: East
Notes:

Visit date: 8/13/2004

Ecological Health: Fair.
% Tree canopy: 75%
% Non-Native Cover: 5
General Note:

Unit is bordered by NW 53rd on the south edge and private property on the northwest side..

Management Note:

While invasive number is low, GERO and GAAP are present throughout the unit.

Eco Note:

Unit is a moderately steep slope trending southeast. Forb diversity is good. A significant population of regenerating ACMA of all ages are growing throughout the unit.

Wetland indicators: Hydrophilic Vegetation.
Primary Management concerns: Invasives, Litter.
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			
Pseudotsuga menziesii (Douglas fir)	20% to 50%		20-30"		
Sambucus racemosa (red elderberry)	10% to 20%	Y			
Alnus rubra (red alder)	10% to 20%		10-20"		
Thuja plicata (western red cedar)	1% to 10%		10-20"	Y	
Achlys triphylla (vanillaleaf)	1% to 10%				
Alliaria petiolata (garlic mustard)	1% to 10%				
Corylus cornuta (western beaked hazelnut)	1% to 10%				
Galium aparine (cleavers)	1% to 10%				
Rubus ursinus (trailing blackberry)	1% to 10%				
Smilacina stellata (starry false-Solomon's seal)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Cirsium arvense (Canadian Thistle)	trace				
Crataegus monogyna (European hawthorn)	trace				
Geranium robertianum (herb-Robert)	trace				
Ilex aquafolium (English holly)	trace				
Lapsana communis (common nipplewort)	trace				
Sisymbrium officinale (hedgemustard)	trace				

Unit FP*062

Size: 3.32 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, Upper 3rd
Slope: Extremely Steep (over 30%)
Aspect: Northeast
Notes:

Visit date: 8/13/2004
Ecological Health: Fair.
% Tree canopy: 80%
% Non-Native Cover: 5
General Note:

Management Note:
Weeds very heavy along NW 53rd. Weeds in the interior: ILAQ, GEUR and SOAU.
Eco Note:
Unit slopes from NW 53rd to small creek. Bordered by private property to E and W. Trees very young (most <10" DBH) and a lot of "poles" (5-10" DBH). Road noise is pretty minimal.
Wetland indicators: Streams.
Primary Management concerns: Invasives, Litter.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	10-20"		
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	5-10"		
Polystichum munitum (sword fern)	20% to 50%	Y			
Oemleria cerasiformis (Indian-plum)	1% to 10%	Y			
Thuja plicata (western red cedar)	1% to 10%		10-20"		
Alliaria petiolata (garlic mustard)	1% to 10%				
Athyrium filix-femina (ladyfern)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Prunus avium (sweet pie cherry)	trace		0-5"		
Sorbus aucuparia (European mountain ash)	trace		0-5"		
Cirsium arvense (Canadian Thistle)	trace				
Cirsium vulgare (bull thistle)	trace				
Dactylis glomerata (orchard grass)	trace				
Daucus carota (Queen Anne's lace)	trace				
Erigeron annuus (annual eastern daisy Fleabane)	trace				
Galium aparine (cleavers)	trace				
Geranium robertianum (herb-Robert)	trace				
Geum urbanum (herb bennet)	trace				
Hedera helix (English ivy)	trace				
Holcus lanatus (velvet grass)	trace				
Hypericum perforatum (common St. John's wort)	trace				
Hypochaeris radicata (hairy cats-ear)	trace				
Lactuca serriola (Lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Leucanthemum vulgare (oxeye daisy)	trace				
Plantago lanceolata (English narrowleaf buckhorn	trace				
Plantago major (common plantain)	trace				
Prunella vulgaris var. vulgaris (common selfheal	trace				
Rubus discolor (Himalayan blackberry)	trace				
Rumex obtusifolius (bitter dock)	trace				
Sisymbrium officinale (hedgemustard)	trace				
Trifolium pratense (red clover)	trace				

Unit FP*063

Size: 18.42 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: East
Notes:

Visit date: 8/13/2004
Ecological Health: Good.
% Tree canopy: 85%
% Non-Native Cover: trace
General Note:
Unit is an east trending ridge flanked on the north and south edges by two ephemeral stream converging in the east portion of the unit.
Management Note:
Invasive presence low, GAAP scattered throughout.
Eco Note:
RUSP most abundant in the ravines and BENE is prevalent on the ridge. High shrub layer is diverse and significant creating a thicket habitat.
Wetland indicators: Streams.
Primary Management concerns: Invasives, Domestic Animals.
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			
Rubus spectabilis (salmonberry)	10% to 20%	Y			
Alnus rubra (red alder)	10% to 20%		10-20"		
Thuja plicata (western red cedar)	1% to 10%		10-20"		
Abies grandis (grand fir)	1% to 10%		5-10"		
Pseudotsuga menziesii (Douglas fir)	1% to 10%		5-10"		
Tsuga heterophylla (western hemlock)	1% to 10%		5-10"		
Acer circinatum (vine maple)	1% to 10%				
Athyrium filix-femina (ladyfern)	1% to 10%				
Galium aparine (cleavers)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Montia sibirica (Siberian minerslettuce)	1% to 10%				
Oemleria cerasiformis (Indian-plum)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Cirsium vulgare (bull thistle)	trace				
Erigeron annuus (annual eastern daisy Fleabane)	trace				
Geum urbanum (herb bennet)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Plantago major (common plantain)	trace				
Rumex obtusifolius (bitter dock)	trace				
Senecio jacobaea (tansy ragwort)	trace				

Unit FP*064

Size: 15.30 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: 8/18/2004

Ecological Health: Fair.
% Tree canopy: 75%
% Non-Native Cover: 15
General Note:

Unit is bounded by Leif Erickson Dr on North and East. Alder trail runs through middle of unit.

Management Note:

Eco Note:

The only invasives spotted on the interior of unit were holly and clematis. Other invasives were mostly on Leif Erickson road or on the Alder trail.

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

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	50% to 75%	Y	10-20"	Y	
Rubus parviflorus (thimbleberry)	20% to 50%	Y			
Alnus rubra (red alder)	10% to 20%			Y	
Sambucus racemosa (red elderberry)	10% to 20%				
Polystichum munitum (sword fern)	1% to 10%	Y			
Thuja plicata (western red cedar)	1% to 10%		0-5"	Y	
Tsuga heterophylla (western hemlock)	1% to 10%		0-5"	Y	
Acer circinatum (vine maple)	1% to 10%				
Clematis vitalba (clematis)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Alliaria petiolata (garlic mustard)	trace				
Arctium minus (lesser burdock)	trace				
Cirsium vulgare (bull thistle)	trace				
Daucus carota (Queen Anne's lace)	trace				
Geranium robertianum (herb-Robert)	trace				
Geum urbanum (herb bennet)	trace				
Hedera helix (English ivy)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Plantago lanceolata (English narrowleaf buckhorn	trace				
Plantago major (common plantain)	trace				
Ranunculus repens (creeping buttercup)	trace				
Rubus discolor (Himalayan blackberry)	trace				
Rumex obtusifolius (bitter dock)	trace				
Senecio jacobaea (tansy ragwort)	trace				
Trifolium repens (common clover)	trace				

Unit FP*065

Size: 6.07 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: CES204.001 North Pacific Maritime Dry-Mesic Douglas-fir-Western Hemlock Forest
Landform: Side-hill, Lower 3rd
Slope: Extremely Steep (over 30%)
Aspect: Southeast
Notes:

Visit date: 8/13/2004

Ecological Health: Good.

% Tree canopy: 75%

% Non-Native Cover: trace

General Note:

Unit is bordered by Leif Erickson on the east edge with the Alder trail running through the center. Species of Interest: LOCI3.

Management Note:

Unit has a low presence of invasives--most constricted to trails.

Eco Note:

Unit is a steep southeast trending slope. Stand is dominated by young trees with a few older PSME.

Primary Management concerns: Invasives.

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			
Pseudotsuga menziesii (Douglas fir)	20% to 50%		20-30"		
Polystichum munitum (sword fern)	20% to 50%				
Alnus rubra (red alder)	1% to 10%		10-20"		
Thuja plicata (western red cedar)	1% to 10%		10-20"		
Tsuga heterophylla (western hemlock)	1% to 10%		10-20"		
Rubus parviflorus (thimbleberry)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Arctium minus (lesser burdock)	trace				
Cirsium arvense (Canadian Thistle)	trace				
Clematis vitalba (clematis)	trace				
Corylus avellana (common filbert)	trace				
Galium aparine (cleavers)	trace				
Geum urbanum (herb bennet)	trace				
Lactuca serriola (Lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Lonicera ciliosa (western orange honeysuckle)	trace				
Rumex obtusifolius (bitter dock)	trace				

Unit FP*066

Size: 0.88 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: unknown

Landform: Bench/Terrace

Slope: Flat (0 to 5%)

Aspect: Southeast

Notes:

Visit date: 9/21/2007

Ecological Health: Severely Degraded.

% Tree canopy: 20%

% Non-Native Cover: 90

General Note:

This unit is near the intersection of NW Yeon Ave. and Hwy 30. The unit is consists of an upper and lower broad flat.

Management Note:

Firelane 1 is accessed through this unit. FL1 allows transients to maintain camps in the upper bench of this unit.

Eco Note:

There is no large trees in this unit.

Wetland indicators: Hydrophilic Vegetation.

Primary Management concerns: Invasives, Soil Compaction, Litter, Homeless Camp, Informal Trails.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Rubus discolor (Himalayan blackberry)	20% to 50%	Y			
Agrostis tenius (colonial bentgrass)	10% to 20%	Y			
Acer macrophyllum (bigleaf maple)	1% to 10%	Y	5-10"	Y	
Alnus rubra (red alder)	1% to 10%		0-5"	Y	
Fraxinus latifolia (Oregon ash)	1% to 10%		0-5"	Y	
Dactylis glomerata (orchard grass)	1% to 10%				
Equisetum arvense (field horsetail)	1% to 10%				
Holcus lanatus (velvet grass)	1% to 10%				
Hypochaeris radicata (hairy cats-ear)	1% to 10%				
Phalaris arundinacea (reed canarygrass)	1% to 10%				
Salix scouleriana (Scouler's willow)	1% to 10%				
Populus balsamifera ssp. trichocarpa (black cott	trace		0-5"	Y	
Cirsium arvense (Canadian Thistle)	trace				
Conyza canadensis (Canadian Horseweed)	trace				
Crataegus monogyna (European hawthorn)	trace				
Cytisus scoparius (Scot's broom)	trace				
Daucus carota (Queen Anne's lace)	trace				
Epilobium ciliatum ssp. watsonii (fringed willow	trace				
Festuca arundinacea (tall fescue)	trace				
Gnaphalium uliginosum (marsh cudweed)	trace				
Hypericum perforatum (common St. John's wort)	trace				
Juncus effusus (common soft Pacific rush)	trace				
Plantago lanceolata (English narrowleaf buckhorn	trace				
Plantago major (common plantain)	trace				
Rumex obtusifolius (bitter dock)	trace				
Senecio jacobaea (tansy ragwort)	trace				
Trifolium pratense (red clover)	trace				

Unit FP*067

Size: 10.13 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: CES204.002 North Pacific Maritime Wet-Mesic Douglas-fir-Western Hemlock Forest

Landform: Side-hill, Middle 3rd

Slope: Extremely Steep (over 30%)

Aspect: East

Notes:

Visit date: 8/24/2004

Ecological Health: Fair.

% Tree canopy: 80%

% Non-Native Cover: 10

General Note:

This was a mixed unit with steep slopes. Bank failure had occurred in several spots opening up areas to invasives ALRU was also regenerating in these areas. Species of Interest: TABR2

Management Note:

Remove and monitor interior invasives CLVI, RUDI, ILAQ & HEHE.

Wetland indicators: Streams, Hydrophilic Vegetation, Saturated Soils.

Primary Management concerns: Invasives, Litter.

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
Acer circinatum (vine maple)	20% to 50%	Y		
Polystichum munitum (sword fern)	20% to 50%	Y		
Tsuga heterophylla (western hemlock)	1% to 10%		10-20"	Y
Alnus rubra (red alder)	1% to 10%		5-10"	Y
Adiantum pedatum (maidenhair fern)	1% to 10%			
Athyrium filix-femina (ladyfern)	1% to 10%			
Clematis vitalba (clematis)	1% to 10%			
Hedera helix (English ivy)	1% to 10%			
Oemleria cerasiformis (Indian-plum)	1% to 10%			
Rubus discolor (Himalayan blackberry)	1% to 10%			
Rubus parviflorus (thimbleberry)	1% to 10%			
Sambucus racemosa (red elderberry)	1% to 10%			
Vancouveria hexandra (white inside-out-flower)	1% to 10%			
Aesculus hippocastanum (horsechestnut)	trace		5-10"	
Rhamnus purshiana (cascara)	trace		5-10"	
Taxus brevifolia (Pacific yew)	trace		5-10"	
Thuja plicata (western red cedar)	trace		5-10"	Y
Populus balsamifera ssp. trichocarpa (black cott	trace		0-5"	Y
Alliaria petiolata (garlic mustard)	trace			
Arctium minus (lesser burdock)	trace			
Cichorium intybus (chicory)	trace			
Cirsium arvense (Canadian Thistle)	trace			
Cirsium vulgare (bull thistle)	trace			
Corylus avellana (common filbert)	trace			
Daucus carota (Queen Anne's lace)	trace			
Geranium robertianum (herb-Robert)	trace			
Geum urbanum (herb bennet)	trace			
Holcus lanatus (velvet grass)	trace			
Hypericum perforatum (common St. John's wort)	trace			
Ilex aquafolium (English holly)	trace			
Lactuca muralis (wall lettuce)	trace			
Lapsana communis (common nipplewort)	trace			
Lathyrus latifolius (perennial pea)	trace			
Lunaria annua (annual honesty)	trace			
Plantago lanceolata (English narrowleaf buckhorn	trace			
Plantago major (common plantain)	trace			
Ranunculus repens (creeping buttercup)	trace			
Rumex obtusifolius (bitter dock)	trace			
Taraxacum officinale (common dandelion)	trace			
Tiarella trifoliata (foamflower)	trace			
Trifolium pratense (red clover)	trace			

Unit FP*068

Size: 55.8 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: East
Notes:

Visit date: 8/25/2004
Ecological Health: Poor.
% Tree canopy: 65%
% Non-Native Cover: 30
General Note:

This is a large mixed unit extending from Leif Erickson (upslope) to St. Helens Rd (downslope). It had several steep drainages. Species of interest CONU4, LOCI3.

Management Note:

CLVI, ILAQ, HEHE and RUDI all found in interior. CLVI reaching down drainages almost to St. Helens. There are some informal trails and litter associated with homeless camps.

Eco Note:

Several high shrubs ACCI dominant. Steep east facing slope. Most invasives at top near road.

Wetland indicators: Streams, Hydrophilic Vegetation.

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"		
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"	Y	
Acer circinatum (vine maple)	20% to 50%	Y			
Polystichum munitum (sword fern)	20% to 50%	Y			
Berberis nervosa (Oregon grape)	10% to 20%				
Clematis vitalba (clematis)	10% to 20%				
Rubus discolor (Himalayan blackberry)	10% to 20%				
Urtica dioica (stinging nettle)	10% to 20%				
Abies grandis (grand fir)	1% to 10%		10-20"	Y	
Thuja plicata (western red cedar)	1% to 10%		10-20"	Y	
Tsuga heterophylla (western hemlock)	1% to 10%		10-20"	Y	
Alnus rubra (red alder)	1% to 10%		5-10"	Y	
Achlys triphylla (vanillaleaf)	1% to 10%				
Adiantum pedatum (maidenhair fern)	1% to 10%				
Hedera helix (English ivy)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Pteridium aquilinum (bracken fern)	1% to 10%				
Rhamnus purshiana (cascara)	1% to 10%				
Rosa gymnocarpa (dwarf wood rose)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Rubus ursinus (trailing blackberry)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Cornus nuttallii (Pacific dogwood)	trace		0-5"		
Arctium minus (lesser burdock)	trace				
Asarum caudatum (wild ginger)	trace				
Cirsium arvense (Canadian Thistle)	trace				
Crataegus monogyna (European hawthorn)	trace				
Erigeron annuus (annual eastern daisy Fleabane)	trace				
Galium aparine (cleavers)	trace				
Geranium molle (Dovefoot)	trace				
Geranium robertianum (herb-Robert)	trace				
Geum urbanum (herb bennet)	trace				
Hypochaeris radicata (hairy cats-ear)	trace				
Lactuca muralis (wall lettuce)	trace				
Leucanthemum vulgare (oxeye daisy)	trace				
Lonicera ciliosa (western orange honeysuckle)	trace				
Mentha xpiperita (peppermint)	trace				
Oxalis suksdorfii (Suksdorf Woodsorrel)	trace				
Phalaris arundinacea (reed canarygrass)	trace				
Physocarpus capitatus (Pacific ninebark)	trace				
Plantago lanceolata (English narrowleaf buckhorn	trace				
Plantago major (common plantain)	trace				
Prunella vulgaris var. vulgaris (common selfheal	trace				
Ranunculus repens (creeping buttercup)	trace				
Solanum dulcamara (bittersweet nightshade)	trace				
Toxicodendron diversilobum (poison oak)	trace				

Unit FP*069

Size: 1.41 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: Extremely Steep (over 30%)

Aspect: Northeast

Notes:

Visit date: 9/21/2007

Ecological Health: Fair.

% Tree canopy: 55%
% Non-Native Cover: 20
General Note:
This unit is the toe of the slope above the Firelane 1 entrance.
Management Note:
There are a few patches of blackberry.
Eco Note:
There are many wet-site indicator species in the unit.
Primary Management concerns: Invasives, Litter, Large Refuse, Utility Infrastructure, Informal Trails.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	10% to 20%	Y	10-20"		
Fraxinus latifolia (Oregon ash)	10% to 20%	Y	10-20"	Y	
Oemleria cerasiformis (Indian-plum)	10% to 20%	Y			
Rubus discolor (Himalayan blackberry)	10% to 20%				
Symphoricarpos albus (snowberry)	1% to 10%	Y			
Quercus garryana (Oregon white oak)	1% to 10%		10-20"		
Physocarpus capitatus (Pacific ninebark)	1% to 10%				
Rosa pisocarpa (cluster wild peafruit swamp Rose	1% to 10%				
Toxicodendron diversilobum (poison oak)	trace				

Unit FP*070

Size: 13.72 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: Steep (20 to 30%)
Aspect: Northeast
Notes:

Visit date: 8/23/2004

Ecological Health: Good.
% Tree canopy: 70%
% Non-Native Cover: 5
General Note:
Northeast edge of unit borders Leif Erickson.
Management Note:
Invasive forbs, except LAMU, are constricted to the northeast edge of unit off Leif Erickson.
Eco Note:
Unit is a moderately steep ridge trending northeast and ending at Leif Erickson. Stand structure is good--tree regeneration is well established.
Wetland indicators: Streams, Hydrophilic Vegetation.
Primary Management concerns: Invasives.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	50% to 75%	Y	10-20"		
Berberis nervosa (Oregon grape)	50% to 75%	Y			
Polystichum munitum (sword fern)	20% to 50%	Y			
Alnus rubra (red alder)	10% to 20%		10-20"		
Vaccinium parvifolum (red huckleberry)	10% to 20%				
Thuja plicata (western red cedar)	1% to 10%		5-10"	Y	
Tsuga heterophylla (western hemlock)	1% to 10%		5-10"	Y	
Ilex aquafolium (English holly)	1% to 10%				
Pteridium aquilinum (bracken fern)	1% to 10%				

Rubus spectabilis (salmonberry)	1% to 10%		
Sambucus racemosa (red elderberry)	1% to 10%		
Abies grandis (grand fir)	trace	5-10"	Y
Arctium minus (lesser burdock)	trace		
Clematis vitalba (clematis)	trace		
Geranium robertianum (herb-Robert)	trace		
Lactuca muralis (wall lettuce)	trace		
Lapsana communis (common nipplewort)	trace		
Philadelphus lewisii (Lewis' mockorange)	trace		
Plantago lanceolata (English narrowleaf buckhorn	trace		
Plantago major (common plantain)	trace		
Ranunculus repens (creeping buttercup)	trace		
Rubus discolor (Himalayan blackberry)	trace		
Rumex obtusifolius (bitter dock)	trace		
Solanum dulcamara (bittersweet nightshade)	trace		
Taraxacum officinale (common dandelion)	trace		

Unit FP*071

Size: 14.63 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: 8/23/2004

Ecological Health: Fair.
% Tree canopy: 70%
% Non-Native Cover: 5
General Note:

Unit borders Leif Erickson on the northeast side. Species of Interest: LICO, CONU4

Management Note:

Invasive forbs found mostly near Leif Erickson, especially CLVI and HEHE. Several ILAQ trees found scattered through out unit.

Eco Note:

Unit is a northeast trending ridge flanked on the north and south by two ephemeral streams. Stand structure is good--several large snags found throughout unit. Signs of Pileated woodpeckers seen on snags.

Wetland indicators: Streams, Hydrophilic Vegetation.
Primary Management concerns: Invasives.
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)	1% to 10%		10-20"		
Thuja plicata (western red cedar)	1% to 10%		5-10"	Y	
Tsuga heterophylla (western hemlock)	1% to 10%		5-10"	Y	
Clematis vitalba (clematis)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Abies grandis (grand fir)	trace		20-30"	Y	
Cornus nuttallii (Pacific dogwood)	trace		5-10"		
Arctium minus (lesser burdock)	trace				
Corylus avellana (common filbert)	trace				
Daucus carota (Queen Anne's lace)	trace				
Galium aparine (cleavers)	trace				
Hedera helix (English ivy)	trace				
Hypochaeris radicata (hairy cats-ear)	trace				
Ilex aquafolium (English holly)	trace				

Lapsana communis (common nipplewort)	trace
Leucanthemum vulgare (oxeye daisy)	trace
Lilium columbianum (tiger-lily)	trace
Plantago lanceolata (English narrowleaf buckhorn	trace
Plantago major (common plantain)	trace
Prunella vulgaris var. vulgaris (common selfheal	trace
Ranunculus repens (creeping buttercup)	trace
Rubus discolor (Himalayan blackberry)	trace
Rumex obtusifolius (bitter dock)	trace
Solanum dulcamara (bittersweet nightshade)	trace
Taraxacum officinale (common dandelion)	trace
Trifolium repens (common clover)	trace

Unit FP*072

Size: 3.14 Acres
NVCS Class: Forest
NVCS Subclass: Evergreen forest
NVCS Group: Temperate needle-leaved evergreen forest
NVCS SubGroup: Natural / Semi-natural
NVCS Ecological System: CES204.001 North Pacific Maritime Dry-Mesic Douglas-fir-Western Hemlock Forest
Landform: Side-hill, Middle 3rd
Slope: Steep (20 to 30%)
Aspect: East
Notes:

Visit date: 8/23/2004

Ecological Health: Good.
% Tree canopy: 80%
% Non-Native Cover: 5
General Note:

Small evergreen unit along Leif Erickson. Species of interest 5%.

Management Note:

ILAQ is the major interior invasive and it's removal would raise Eco-health level significantly.

Eco Note:

This unit is a patch of conifers with a healthy shrub layer and more canopy cover. Also there was good tree regeneration.

Primary Management concerns: Invasives, Litter.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Berberis nervosa (Oregon grape)	50% to 75%	Y			
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	20-30"	Y	
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"	Y	
Abies grandis (grand fir)	1% to 10%		10-20"	Y	
Tsuga heterophylla (western hemlock)	1% to 10%		10-20"	Y	
Thuja plicata (western red cedar)	1% to 10%		5-10"	Y	
Acer circinatum (vine maple)	1% to 10%				
Corylus avellana (common filbert)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Polystichum munitum (sword fern)	1% to 10%				
Pteridium aquilinum (bracken fern)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Cornus nuttallii (Pacific dogwood)	trace		0-5"		
Crataegus monogyna (European hawthorn)	trace				

Unit FP*073

Size: 17.41 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: East
Notes:

Visit date: 8/13/2004
Ecological Health: Fair.
% Tree canopy: 75%
% Non-Native Cover: trace
General Note:
Large landslide in southeast corner of unit. Bare soil and ALRU where vegetated. QUGA located on dry exposed slope to east of landslide on Leif Erickson Drive. Species of Interest: CONU4, QUGA4, PIPO, LICO, and JUEF.
Management Note:
Most invasives are along Leif Erickson Drive.
Eco Note:
Side slope unit. Wildwood trail runs through the west side. Leif Erickson runs along the east side.
Wetland indicators: Hydrophilic Vegetation.
Primary Management concerns: Invasives, Domestic Animals.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Berberis nervosa (Oregon grape)	50% to 75%	Y			
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"	Y	
Polystichum munitum (sword fern)	20% to 50%	Y			
Alnus rubra (red alder)	10% to 20%		10-20"	Y	
Pseudotsuga menziesii (Douglas fir)	10% to 20%		10-20"		
Sambucus racemosa (red elderberry)	10% to 20%				
Thuja plicata (western red cedar)	1% to 10%		10-20"	Y	
Abies grandis (grand fir)	1% to 10%		5-10"	Y	
Acer circinatum (vine maple)	1% to 10%				
Galium aparine (cleavers)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Montia sibirica (Siberian minerslettuce)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Pinus ponderosa (ponderosa pine)	trace		5-10"		
Quercus garryana (Oregon white oak)	trace		5-10"		
Cornus nuttallii (Pacific dogwood)	trace		0-5"		
Amelanchier alnifolia (serviceberry)	trace				
Arctium minus (lesser burdock)	trace				
Cirsium arvense (Canadian Thistle)	trace				
Cirsium vulgare (bull thistle)	trace				
Clematis vitalba (clematis)	trace				
Crataegus monogyna (European hawthorn)	trace				
Daucus carota (Queen Anne's lace)	trace				
Erigeron annuus (annual eastern daisy Fleabane)	trace				
Geranium robertianum (herb-Robert)	trace				
Geum urbanum (herb bennet)	trace				
Hedera helix (English ivy)	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				
Lapsana communis (common nipplewort)	trace				
Lilium columbianum (tiger-lily)	trace				
Lunaria annua (annual honesty)	trace				
Plantago lanceolata (English narrowleaf buckhorn	trace				
Plantago major (common plantain)	trace				
Prunella vulgaris var. vulgaris (common selfheal	trace				
Ranunculus repens (creeping buttercup)	trace				
Rubus discolor (Himalayan blackberry)	trace				
Rumex obtusifolius (bitter dock)	trace				
Senecio jacobaea (tansy ragwort)	trace				
Taraxacum officinale (common dandelion)	trace				
Trifolium pratense (red clover)	trace				

Unit FP*075

Size: 7.5 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: 8/2/2004

Ecological Health: Good.
% Tree canopy: 70%
% Non-Native Cover: trace
General Note:

Species of Interest: Cornus nuttallii. Unit is in upper 1/3 of ridge. Drainage runs through middle. Wildwood trail runs along top.

Management Note:

Most weeds along trail except for ILAQ and GAAP in unit interior.

Eco Note:

Mix of tree species and shrubs little bare soil.

Wetland indicators: Streams.
Primary Management concerns: Invasives, Litter.
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)	20% to 50%				
Pseudotsuga menziesii (Douglas fir)	10% to 20%	Y	>30"		
Rubus spectabilis (salmonberry)	10% to 20%	Y			
Tsuga heterophylla (western hemlock)	10% to 20%		20-30"	Y	
Alnus rubra (red alder)	1% to 10%		10-20"	Y	
Thuja plicata (western red cedar)	1% to 10%		10-20"	Y	
Athyrium filix-femina (ladyfern)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Abies grandis (grand fir)	trace		0-5"	Y	
Cornus nuttallii (Pacific dogwood)	trace		0-5"		
Corylus avellana (common filbert)	trace				
Galium aparine (cleavers)	trace				
Geum urbanum (herb bennet)	trace				
Hedera helix (English ivy)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Plantago major (common plantain)	trace				
Rumex obtusifolius (bitter dock)	trace				
Streptopus amplexifolius (clasping-leaf twisted-	trace				
Taraxacum officinale (common dandelion)	trace				

Unit FP*076

Size: 12.18 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, Upper 3rd
Slope: Extremely Steep (over 30%)
Aspect: East
Notes:

Visit date: 8/2/2004
Ecological Health: Good.
% Tree canopy: 65%
% Non-Native Cover: 5
General Note:
Unit is bounded by Firelane 1 at its top (West).
Management Note:
Only invasives on interior are ILAQ and GAAP.
Wetland indicators: Streams, Saturated Soils, Standing Flowing Water.
Primary Management concerns: Invasives, 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			
Berberis nervosa (Oregon grape)	10% to 20%	Y			
Pseudotsuga menziesii (Douglas fir)	1% to 10%		20-30"		
Alnus rubra (red alder)	1% to 10%		10-20"		
Tsuga heterophylla (western hemlock)	1% to 10%		10-20"		
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Oemleria cerasiformis (Indian-plum)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Abies grandis (grand fir)	trace		0-5"	Y	
Galium aparine (cleavers)	trace				
Geum urbanum (herb bennet)	trace				
Lapsana communis (common nipplewort)	trace				
Lilium columbianum (tiger-lily)	trace				
Rumex obtusifolius (bitter dock)	trace				

Unit FP*077

Size: 10.84 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, Upper 3rd
Slope: Extremely Steep (over 30%)
Aspect: Northeast
Notes:

Visit date: 8/2/2004
Ecological Health: Good.
% Tree canopy: 70%
% Non-Native Cover: trace
General Note:

Unit has Firelane #1 on upper (West) boundary and covers the top part of 3 ridges.

Management Note:

Signs of logging in this unit.

Primary Management concerns: Invasives, Domestic Animals, 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			
Rubus spectabilis (salmonberry)	10% to 20%	Y			
Pseudotsuga menziesii (Douglas fir)	10% to 20%		20-30"		
Tsuga heterophylla (western hemlock)	1% to 10%		20-30"		
Alnus rubra (red alder)	1% to 10%		10-20"		
Athyrium filix-femina (ladyfern)	1% to 10%				
Smilacina racemosa (false Solomon's-seal)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Abies grandis (grand fir)	trace		0-5"	Y	
Geum urbanum (herb bennet)	trace				
Ilex aquafolium (English holly)	trace				
Lapsana communis (common nipplewort)	trace				
Plantago major (common plantain)	trace				
Rumex obtusifolius (bitter dock)	trace				
Streptopus amplexifolius (clasping-leaf twisted-	trace				

Unit FP*078

Size: 16.11 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: East

Notes:

Visit date: 8/23/2004

Ecological Health: Fair.

% Tree canopy: 70%

General Note:

This unit is located in the southern end of Forest Park W/SW of Leif Erickson. It is a large deciduous unit on an northeast facing slope. Species of interest: CONU.

Management Note:

This unit had an Eco-health rating 3 but if the clumps of ILAQ from the interior were removed it could easily become a 1 or2.

Eco Note:

This unit had good snags and downed wood. There was evidence of fire and springboard notches in the remaining stumps. There were lots of game trails in this unit running through the numerous drainages.

Wetland indicators: Streams, Hydrophilic Vegetation, Saturated Soils.

Primary Management concerns: Invasives.

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%				
Alnus rubra (red alder)	10% to 20%	Y	10-20"		
Thuja plicata (western red cedar)	1% to 10%		5-10"	Y	
Tsuga heterophylla (western hemlock)	1% to 10%		5-10"	Y	
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Montia sibirica (Siberian minerslettuce)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				

Sambucus racemosa (red elderberry)	1% to 10%	
Symphoricarpos albus (snowberry)	1% to 10%	
Vaccinium parvifolum (red huckleberry)	1% to 10%	
Cornus nuttallii (Pacific dogwood)	trace	5-10"
Alliaria petiolata (garlic mustard)	trace	
Arctium minus (lesser burdock)	trace	
Clematis vitalba (clematis)	trace	
Galium aparine (cleavers)	trace	
Geranium robertianum (herb-Robert)	trace	
Hedera helix (English ivy)	trace	
Lapsana communis (common nipplewort)	trace	
Prunella vulgaris var. vulgaris (common selfheal	trace	
Ranunculus repens (creeping buttercup)	trace	
Rumex obtusifolius (bitter dock)	trace	
Taraxacum officinale (common dandelion)	trace	

Unit FP*080

Size: 10.79 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: 8/21/2003

Ecological Health: Good.
% Tree canopy: 65%
% Non-Native Cover: trace
General Note:

Unit bordered in the NE by HWY 30 and in the SW by a service road.

Management Note:

Invasives minimal-would be fairly easy to remove.

Eco Note:

Unit is very steep (70%) and NW facing, mostly deciduous with crumbly loose soil. Low structural diversity (compared to other units in FP) mainly ACMA3 and POMU. RUPA and SYAL mostly on the edges of the road. Fire scars present in unit.

Wetland indicators: Hydrophilic Vegetation, Water Marks.
Primary Management concerns: Invasives, Litter, Utility Infrastructure, Mountain Bike Impact.
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			
Berberis nervosa (Oregon grape)	10% to 20%				
Oemleria cerasiformis (Indian-plum)	10% to 20%				
Rubus ursinus (trailing blackberry)	10% to 20%				
Pseudotsuga menziesii (Douglas fir)	1% to 10%		10-20"		
Thuja plicata (western red cedar)	1% to 10%		5-10"	Y	
Tsuga heterophylla (western hemlock)	1% to 10%		5-10"	Y	
Acer circinatum (vine maple)	1% to 10%				
Adiantum pedatum (maidenhair fern)	1% to 10%				
Corylus cornuta (western beaked hazelnut)	1% to 10%				
Gaultheria shallon (salal)	1% to 10%				
Geranium robertianum (herb-Robert)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Tolmiea menziesii (piggy-back plant)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Actaea rubra (red baneberry)	trace				
Asarum caudatum (wild ginger)	trace				

Athyrium filix-femina (ladyfern)	trace
Carex deweyana (Dewey sedge)	trace
Carex hendersonii (Henderson's wood sedge)	trace
Clematis vitalba (clematis)	trace
Daucus carota (Queen Anne's lace)	trace
Epilobium angustifolium (fireweed)	trace
Lactuca muralis (wall lettuce)	trace
Pteridium aquilinum (bracken fern)	trace
Rhododendron macrophyllum (rhododendron)	trace
Rubus parviflorus (thimbleberry)	trace
Rubus spectabilis (salmonberry)	trace
Symphoricarpos albus (snowberry)	trace

Unit FP*081

Size: 3.69 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: Northeast

Notes:

Visit date: 8/26/2004

Ecological Health: Severely Degraded.

% Tree canopy: 15%

% Non-Native Cover: 80

General Note:

Unit is a powerline ROW full of blackberry. Very few trees, a few native shrubs.

Management Note:

Control spread of invasives into neighboring units.

Wetland indicators: Streams, Hydrophilic Vegetation.

Primary Management concerns: Invasives, Litter, Utility Infrastructure, Mountain Bike Impact.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Rubus discolor (Himalayan blackberry)	over 75%	Y			
Acer macrophyllum (bigleaf maple)	1% to 10%		0-5"	Y	
Alnus rubra (red alder)	1% to 10%		0-5"	Y	
Prunus emarginata (bitter cherry)	1% to 10%		0-5"	Y	
Agrostis sp. (bentgrass)	1% to 10%				
Clematis vitalba (clematis)	1% to 10%				
Corylus avellana (common filbert)	1% to 10%				
Holodiscus discolor (oceanspray)	1% to 10%				
Phalaris arundinacea (reed canarygrass)	1% to 10%				
Pteridium aquilinum (bracken fern)	1% to 10%				
Rhamnus purshiana (cascara)	1% to 10%				
Sambucus mexicana (blue elderberry)	1% to 10%				
Quercus garryana (Oregon white oak)	trace		5-10"		
Taxus brevifolia (Pacific yew)	trace		0-5"		
Cirsium arvense (Canadian Thistle)	trace				
Cirsium vulgare (bull thistle)	trace				
Cytisus scoparius (Scot's broom)	trace				
Daucus carota (Queen Anne's lace)	trace				
Festuca arundinacea (tall fescue)	trace				
Geranium robertianum (herb-Robert)	trace				
Holcus lanatus (velvet grass)	trace				
Hypochaeris radicata (hairy cats-ear)	trace				
Leucanthemum vulgare (oxeye daisy)	trace				
Oxalis corniculata (creeping wood sorrel)	trace				
Plantago lanceolata (English narrowleaf buckhorn	trace				
Plantago major (common plantain)	trace				

Ranunculus repens (creeping buttercup)	trace
Rumex obtusifolius (bitter dock)	trace
Senecio jacobaea (tansy ragwort)	trace
Taraxacum officinale (common dandelion)	trace
Trifolium pratense (red clover)	trace

Unit FP*082

Size: 10.39 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, Lower 3rd
Slope: Extremely Steep (over 30%)
Aspect: Northeast
Notes:

Visit date: 8/31/2004

Ecological Health: Poor.
% Tree canopy: 70%
% Non-Native Cover: 60
General Note:

Unit is the tow of a slope adjacent to St. Helens Drive and NW Industrial area. Powerlines and Firelane 1 run along top (west) of unit. Species of interest = TABR, LOCI.

Management Note:

Very weedy unit. Large patches of RUDI throughout, especially in openings. HEHE on ground and climbing trunks.
Adjacent unit (FP-081) is big source of RUDI.

Eco Note:

Soil very rocky and loose.

Wetland indicators: Hydrophilic Vegetation.
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"		
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	10-20"		
Symphoricarpos albus (snowberry)	20% to 50%	Y			
Rubus discolor (Himalayan blackberry)	20% to 50%				
Oemleria cerasiformis (Indian-plum)	10% to 20%	Y			
Hedera helix (English ivy)	10% to 20%				
Polystichum munitum (sword fern)	10% to 20%				
Berberis nervosa (Oregon grape)	1% to 10%				
Clematis vitalba (clematis)	1% to 10%				
Corylus avellana (common filbert)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Lactuca muralis (wall lettuce)	1% to 10%				
Physocarpus capitatus (Pacific ninebark)	1% to 10%				
Rubus ursinus (trailing blackberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Abies grandis (grand fir)	trace		5-10"	Y	
Taxus brevifolia (Pacific yew)	trace		5-10"		
Geranium robertianum (herb-Robert)	trace				
Lonicera ciliosa (western orange honeysuckle)	trace				
Phalaris arundinacea (reed canarygrass)	trace				

Unit FP*083

Size: 1.75 Acres
NVCS Class: Woodland

NVCS Subclass: Deciduous woodland
NVCS Group: Cold-deciduous woodland
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: 8/21/2003

Ecological Health: Fair.
% Tree canopy: 50%
% Non-Native Cover: not recorded
General Note:

This unit was a pocket of ALRU surrounded by ACMA3 dominated forest. Invasives were light in the unit and associated with more open area in the center of the unit. Heavy road noise from industrial area down slope.

Management Note:

Remove RUDI2 and ILA Q, both are present but not established.

Eco Note:

ALRU dominated stand mid-slope on front edge of ridge. Bear scat and game trails heavy throughout unit. Fire scars present in unit.

Wetland indicators: Water Marks.
Primary Management concerns: Invasives, 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	10-20"	Y	
Alnus rubra (red alder)	20% to 50%	Y	10-20"		
Tsuga heterophylla (western hemlock)	1% to 10%		10-20"	Y	
Pseudotsuga menziesii (Douglas fir)	1% to 10%		5-10"		
Acer circinatum (vine maple)	1% to 10%				
Berberis nervosa (Oregon grape)	1% to 10%				
Corylus cornuta (western beaked hazelnut)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Oemleria cerasiformis (Indian-plum)	1% to 10%				
Pteridium aquilinum (bracken fern)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Thuja plicata (western red cedar)	trace		5-10"	Y	
Actaea rubra (red baneberry)	trace				
Anaphalis margaritacea (western pearly-everlasti	trace				
Carex deweyana (Dewey sedge)	trace				
Carex hendersonii (Henderson's wood sedge)	trace				
Cirsium vulgare (bull thistle)	trace				
Holodiscus discolor (oceanspray)	trace				
Lactuca muralis (wall lettuce)	trace				
Philadelphus lewisii (Lewis' mockorange)	trace				
Rosa gymnocarpa (dwarf wood rose)	trace				

Unit FP*084

Size: 10.34 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: 8/25/2004

Ecological Health: Fair.
% Tree canopy: 70%
% Non-Native Cover: 15
General Note:

Unit is bordered by Leif Erickson on the southwest and Firelane 1 on the northeast.

Management Note:

Invasives are most prevalent off Leif Erickson, Firelane 1 and all through the ravines.

Eco Note:

Unit is a very steep northeast trending slope flanked on the east by a deep ravine with an ephemeral stream. Conifer presence is low but of these species TSHE dominates. Canopy is deciduous with a meager population of high shrubs.

Wetland indicators: Streams, Hydrophilic Vegetation.
Primary Management concerns: Invasives, Litter.
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			
Acer circinatum (vine maple)	10% to 20%	Y			
Alnus rubra (red alder)	10% to 20%		10-20"		
Rubus discolor (Himalayan blackberry)	10% to 20%				
Urtica dioica (stinging nettle)	10% to 20%				
Abies grandis (grand fir)	1% to 10%		10-20"	Y	
Tsuga heterophylla (western hemlock)	1% to 10%		0-5"	Y	
Berberis nervosa (Oregon grape)	1% to 10%				
Clematis vitalba (clematis)	1% to 10%				
Hedera helix (English ivy)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Pteridium aquilinum (bracken fern)	1% to 10%				
Rubus ursinus (trailing blackberry)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Pseudotsuga menziesii (Douglas fir)	trace		10-20"		
Cornus nuttallii (Pacific dogwood)	trace		5-10"		
Alliaria petiolata (garlic mustard)	trace				
Arctium minus (lesser burdock)	trace				
Cirsium arvense (Canadian Thistle)	trace				
Corylus avellana (common filbert)	trace				
Galium aparine (cleavers)	trace				
Geranium robertianum (herb-Robert)	trace				
Geum urbanum (herb bennet)	trace				
Holcus lanatus (velvet grass)	trace				
Lapsana communis (common nipplewort)	trace				
Phalaris arundinacea (reed canarygrass)	trace				
Plantago lanceolata (English narrowleaf buckhorn	trace				
Rumex obtusifolius (bitter dock)	trace				
Stachys cooleyae (Cooley's hedgenettle)	trace				
Taraxacum officinale (common dandelion)	trace				
Toxicodendron diversilobum (poison oak)	trace				

Unit FP*085

Size: 17.72 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: East

Notes:

Visit date: 8/26/2004

Ecological Health: Fair.
% Tree canopy: 75%
% Non-Native Cover: 20
General Note:

Unit is located between Leif Erickson Dr. and Firelane 1. Invasives are mostly located above Firelane 1.

Management Note:

Wetland indicators: Streams.
Primary Management concerns: Invasives, Litter, Homeless Camp, 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			
Hedera helix (English ivy)	10% to 20%				
Pseudotsuga menziesii (Douglas fir)	1% to 10%		20-30"		
Alnus rubra (red alder)	1% to 10%		10-20"		
Tsuga heterophylla (western hemlock)	1% to 10%		10-20"		
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%				
Clematis vitalba (clematis)	1% to 10%				
Holodiscus discolor (oceanspray)	1% to 10%				
Pteridium aquilinum (bracken fern)	1% to 10%				
Rhamnus purshiana (cascara)	1% to 10%				
Rubus parviflorus (thimbleberry)	1% to 10%				
Rubus ursinus (trailing blackberry)	1% to 10%				
Symphoricarpos albus (snowberry)	1% to 10%				
Urtica dioica (stinging nettle)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Arbutus menziesii (Pacific madrone)	trace		10-20"		
Cornus nuttallii (Pacific dogwood)	trace		5-10"		
Taxus brevifolia (Pacific yew)	trace		5-10"		
Sorbus aucuparia (European mountain ash)	trace		0-5"		
Alliaria petiolata (garlic mustard)	trace				
Arctium minus (lesser burdock)	trace				
Cirsium arvense (Canadian Thistle)	trace				
Corylus avellana (common filbert)	trace				
Crataegus monogyna (European hawthorn)	trace				
Dactylis glomerata (orchard grass)	trace				
Daucus carota (Queen Anne's lace)	trace				
Digitalis purpurea (purple foxglove)	trace				
Festuca arundinacea (tall fescue)	trace				
Geranium robertianum (herb-Robert)	trace				
Hypericum perforatum (common St. John's wort)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Leucanthemum vulgare (oxeye daisy)	trace				
Melissa officinalis (lemon balm)	trace				
Plantago lanceolata (English narrowleaf buckhorn	trace				
Plantago major (common plantain)	trace				
Prunella vulgaris var. vulgaris (common selfheal	trace				
Ranunculus repens (creeping buttercup)	trace				
Rumex obtusifolius (bitter dock)	trace				
Senecio jacobaea (tansy ragwort)	trace				
Taraxacum officinale (common dandelion)	trace				
Trifolium pratense (red clover)	trace				

Unit FP*086

Size: 25.75 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: Extremely Steep (over 30%)
Aspect: Northeast
Notes:

Visit date: 8/10/2004

Ecological Health: Good.
% Tree canopy: 75%
% Non-Native Cover: 5
General Note:

This unit was located south of Leif Erickson. It was a deciduous unit with several creeks running through it.

Management Note:

Most invasives associated with Leif Erickson, ILAQ in interior.

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

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	20-30"	Y	
Berberis nervosa (Oregon grape)	20% to 50%	Y			
Polystichum munitum (sword fern)	20% to 50%	Y			
Alnus rubra (red alder)	10% to 20%				
Abies grandis (grand fir)	1% to 10%		5-10"	Y	
Tsuga heterophylla (western hemlock)	1% to 10%		5-10"	Y	
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Rubus parviflorus (thimbleberry)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Thuja plicata (western red cedar)	1% to 10%			Y	
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Pseudotsuga menziesii (Douglas fir)	trace		5-10"	Y	
Arctium minus (lesser burdock)	trace				
Cirsium arvense (Canadian Thistle)	trace				
Clematis vitalba (clematis)	trace				
Corylus avellana (common filbert)	trace				
Crataegus monogyna (European hawthorn)	trace				
Galium aparine (cleavers)	trace				
Geranium robertianum (herb-Robert)	trace				
Hedera helix (English ivy)	trace				
Holcus lanatus (velvet grass)	trace				
Lactuca muralis (wall lettuce)	trace				
Plantago major (common plantain)	trace				
Ranunculus repens (creeping buttercup)	trace				
Rumex obtusifolius (bitter dock)	trace				
Taraxacum officinale (common dandelion)	trace				

Unit FP*087

Size: 21.24 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: 8/2/2004

Ecological Health: Good.

% Tree canopy: 70%
% Non-Native Cover: trace
General Note:
Unit made up of 2 ridges with a creek between them.
Management Note:
Large landslide near top (NW of unit) with Alder regenerating and invasives growing.
Eco Note:
Slump contains large amount of Cirsium arvense.
Wetland indicators: Streams, Hydrophilic Vegetation.
Primary Management concerns: Invasives, Erosion.
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			
Rubus spectabilis (salmonberry)	10% to 20%				
Alnus rubra (red alder)	1% to 10%		0-5"	Y	
Athyrium filix-femina (ladyfern)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Tsuga heterophylla (western hemlock)	trace		0-5"	Y	
Cirsium arvense (Canadian Thistle)	trace				
Corylus avellana (common filbert)	trace				
Digitalis purpurea (purple foxglove)	trace				
Galium aparine (cleavers)	trace				
Geranium robertianum (herb-Robert)	trace				
Ilex aquafolium (English holly)	trace				
Lapsana communis (common nipplewort)	trace				
Plantago major (common plantain)	trace				
Ranunculus repens (creeping buttercup)	trace				
Rubus discolor (Himalayan blackberry)	trace				
Rumex obtusifolius (bitter dock)	trace				
Stachys cooleyae (Cooley's hedgenettle)	trace				

Unit FP*088

Size: 14.39 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, Upper 3rd
Slope: Extremely Steep (over 30%)
Aspect: Northeast
Notes:

Visit date: 8/2/2004
Ecological Health: Good.
% Tree canopy: 75%
% Non-Native Cover: trace
General Note:
Unit is a ridge extending from Firelane 1 and bordered by a creek on each side.
Management Note:
Stachys cooleyae is the hydrophilic vegetation in trace amounts.
Wetland indicators: Hydrophilic Vegetation.
Primary Management concerns: Invasives.
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%			
Berberis nervosa (Oregon grape)	10% to 20%	Y		
Alnus rubra (red alder)	1% to 10%		10-20"	
Tsuga heterophylla (western hemlock)	1% to 10%		5-10"	
Rubus ursinus (trailing blackberry)	1% to 10%			
Sambucus racemosa (red elderberry)	1% to 10%			
Galium aparine (cleavers)	trace			
Lactuca muralis (wall lettuce)	trace			

Unit FP*089

Size: 48.18 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: unknown

Slope: unknown

Aspect: unknown

Visit date: 7/28/2004

Ecological Health: Good.

% Tree canopy: 75%

% Non-Native Cover: 5

General Note:

Large unit with good diversity. Good mix of trees and shrubs.

Management Note:

ILAQ infestation that needs to be addressed. There was also a patch of RUDI along Nature Trail.

Eco Note:

Species of interest LICO, PHLE, TABR & CONU.

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

Primary Management concerns: Invasives, Domestic Animals, Litter, Stream Bank Erosion, Informal Trails.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	>30"	Y	
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	20-30"	Y	
Polystichum munitum (sword fern)	20% to 50%	Y			
Berberis nervosa (Oregon grape)	20% to 50%				
Rubus spectabilis (salmonberry)	10% to 20%	Y			
Abies grandis (grand fir)	10% to 20%		20-30"	Y	
Alnus rubra (red alder)	1% to 10%		10-20"	Y	
Thuja plicata (western red cedar)	1% to 10%		0-5"	Y	
Ilex aquafolium (English holly)	1% to 10%				
Rubus parviflorus (thimbleberry)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Prunus emarginata (bitter cherry)	trace		5-10"		
Cornus nuttallii (Pacific dogwood)	trace		0-5"		
Taxus brevifolia (Pacific yew)	trace		0-5"		
Crataegus monogyna (European hawthorn)	trace				
Galium aparine (cleavers)	trace				
Geranium robertianum (herb-Robert)	trace				
Lapsana communis (common nipplewort)	trace				
Lilium columbianum (tiger-lily)	trace				
Lunaria annua (annual honesty)	trace				
Philadelphus lewisii (Lewis' mockorange)	trace				
Plantago major (common plantain)	trace				
Rubus discolor (Himalayan blackberry)	trace				
Rumex obtusifolius (bitter dock)	trace				
Streptopus amplexifolius (clasping-leaf twisted-	trace				

Unit FP*090

Size: 26.62 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: West
Notes:

Visit date: 7/28/2004

Ecological Health: Good.
% Tree canopy: 65%
% Non-Native Cover: trace
General Note:

Large Deciduous unit with some PSME regeneration. Very steep at bottom near Leif Erickson.

Management Note:

One large ILAQ brush spotted in interior of unit knocked Ecohealth down to a 2.

Eco Note:

TABR in unit. RIBR near creek at bottom.

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

Primary Management concerns: Invasives, Litter, Hardscape Infrastructure.

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"	Y	
Pseudotsuga menziesii (Douglas fir)	1% to 10%		5-10"	Y	
Pteridium aquilinum (bracken fern)	1% to 10%				
Taxus brevifolia (Pacific yew)	trace		5-10"		
Ilex aquafolium (English holly)	trace				
Ribes bracteosum (stink currant)	trace				

Unit FP*091

Size: 6.92 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: Other
Slope: Extremely Steep (over 30%)
Aspect: Northwest
Notes:

Visit date: 7/28/2004

Ecological Health: Fair.
% Tree canopy: 65%
General Note:
Unit consisted of a very steep rock face cliff.
Management Note:
Invasives along Leif Erickson.
Eco Note:
Large patch of TODI on rock face.
Primary Management concerns: Invasives.
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"	Y	
Polystichum munitum (sword fern)	20% to 50%	Y			
Alnus rubra (red alder)	1% to 10%		0-5"	Y	
Cytisus scoparius (Scot's broom)	1% to 10%				
Holodiscus discolor (oceanspray)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Toxicodendron diversilobum (poison oak)	1% to 10%				
Abies grandis (grand fir)	trace		0-5"	Y	
Taxus brevifolia (Pacific yew)	trace		0-5"		
Cirsium arvense (Canadian Thistle)	trace				
Clematis vitalba (clematis)	trace				
Dactylis glomerata (orchard grass)	trace				
Erigeron annuus (annual eastern daisy Fleabane)	trace				
Geranium robertianum (herb-Robert)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Leucanthemum vulgare (oxeye daisy)	trace				
Plantago major (common plantain)	trace				
Ranunculus repens (creeping buttercup)	trace				
Rumex obtusifolius (bitter dock)	trace				
Senecio jacobaea (tansy ragwort)	trace				
Sisymbrium officinale (hedgemustard)	trace				

Unit FP*092

Size: 4.13 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: North
Notes:

Visit date: 7/28/2004
Ecological Health: Fair.
% Tree canopy: 65%
% Non-Native Cover: 5
General Note:
Young deciduous unit.
Management Note:
Invasives associated with road.
Eco Note:
RIBR on creek.
Wetland indicators: Streams, Hydrophilic Vegetation, Saturated Soils, Standing Flowing Water.

Primary Management concerns: Invasives.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Polystichum munitum (sword fern)	50% to 75%	Y			
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"	Y	
Alnus rubra (red alder)	1% to 10%		10-20"		
Pseudotsuga menziesii (Douglas fir)	1% to 10%		10-20"	Y	
Abies grandis (grand fir)	1% to 10%		5-10"	Y	
Tsuga heterophylla (western hemlock)	1% to 10%		5-10"	Y	
Acer circinatum (vine maple)	1% to 10%				
Berberis nervosa (Oregon grape)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Toxicodendron diversilobum (poison oak)	1% to 10%				
Cytisus scoparius (Scot's broom)	trace				
Daucus carota (Queen Anne's lace)	trace				
Galium aparine (cleavers)	trace				
Geranium robertianum (herb-Robert)	trace				
Ilex aquafolium (English holly)	trace				
Lapsana communis (common nipplewort)	trace				
Ribes bracteosum (stink currant)	trace				
Rumex obtusifolius (bitter dock)	trace				

Unit FP*093

Size: 30.95 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: North

Notes:

Visit date: 8/10/2004

Ecological Health: Good.

% Tree canopy: 75%

% Non-Native Cover: 5

General Note:

Unit started at the corner of Firelane 1 and Leif Erickson

Management Note:

Invasives mostly along road, ILAQ, LOCO, COAV in unit interior.

Wetland indicators: Streams, Hydrophilic Vegetation.

Primary Management concerns: Invasives.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"	Y	
Alnus rubra (red alder)	20% to 50%	Y	10-20"	Y	
Berberis nervosa (Oregon grape)	20% to 50%	Y			
Polystichum munitum (sword fern)	20% to 50%	Y			
Pseudotsuga menziesii (Douglas fir)	1% to 10%		10-20"	Y	
Abies grandis (grand fir)	1% to 10%		0-5"	Y	
Thuja plicata (western red cedar)	1% to 10%		0-5"	Y	
Achlys triphylla (vanillaleaf)	1% to 10%				
Galium aparine (cleavers)	1% to 10%				
Rubus parviflorus (thimbleberry)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Arbutus menziesii (Pacific madrone)	trace		10-20"		
Cornus nuttallii (Pacific dogwood)	trace		0-5"		
Prunus emarginata (bitter cherry)	trace		0-5"		
Sorbus aucuparia (European mountain ash)	trace		0-5"		
Taxus brevifolia (Pacific yew)	trace		0-5"		
Tsuga heterophylla (western hemlock)	trace		0-5"	Y	

Alliaria petiolata (garlic mustard)	trace
Arctium minus (lesser burdock)	trace
Clematis vitalba (clematis)	trace
Corylus avellana (common filbert)	trace
Crataegus monogyna (European hawthorn)	trace
Daucus carota (Queen Anne's lace)	trace
Dipsacus sylvestris (teasel)	trace
Epilobium ciliatum ssp. watsonii (fringed willow	trace
Geranium robertianum (herb-Robert)	trace
Geum urbanum (herb bennet)	trace
Hedera helix (English ivy)	trace
Holcus lanatus (velvet grass)	trace
Hypericum perforatum (common St. John's wort)	trace
Ilex aquafolium (English holly)	trace
Lactuca muralis (wall lettuce)	trace
Lapsana communis (common nipplewort)	trace
Leucanthemum vulgare (oxeye daisy)	trace
Oxalis corniculata (creeping wood sorrel)	trace
Phalaris arundinacea (reed canarygrass)	trace
Plantago lanceolata (English narrowleaf buckhorn	trace
Plantago major (common plantain)	trace
Prunella vulgaris var. vulgaris (common selfheal	trace
Ranunculus repens (creeping buttercup)	trace
Rubus discolor (Himalayan blackberry)	trace
Rumex obtusifolius (bitter dock)	trace
Solanum dulcamara (bittersweet nightshade)	trace
Taraxacum officinale (common dandelion)	trace

Unit FP*094

Size: 36.39 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: North
Notes:

Visit date: 8/25/2004

Ecological Health: Fair.
% Tree canopy: 80%
% Non-Native Cover: 15
General Note:

Unit is located between Leif Erickson Dr. and Firelane 1.

Management Note:

Invasives found in unit interior are ILAQ, HEHE, and LAMU. Stachys cooleyae is the wetland indicator species. There are several large pits dug in the ground slightly above Firelane 1 in the northwest area of this unit.

Wetland indicators: Streams, Hydrophilic Vegetation.
Primary Management concerns: Invasives, Litter, Homeless Camp, 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			
Abies grandis (grand fir)	1% to 10%		20-30"	Y	
Pseudotsuga menziesii (Douglas fir)	1% to 10%		20-30"		
Alnus rubra (red alder)	1% to 10%		10-20"	Y	
Thuja plicata (western red cedar)	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%				
Hedera helix (English ivy)	1% to 10%				
Oemleria cerasiformis (Indian-plum)	1% to 10%				

Pteridium aquilinum (bracken fern)	1% to 10%	
Symphoricarpos albus (snowberry)	1% to 10%	
Vaccinium parvifolum (red huckleberry)	1% to 10%	
Vancouveria hexandra (white inside-out-flower)	1% to 10%	
Prunus emarginata (bitter cherry)	trace	10-20"
Cornus nuttallii (Pacific dogwood)	trace	5-10"
Alliaria petiolata (garlic mustard)	trace	
Arctium minus (lesser burdock)	trace	
Cirsium arvense (Canadian Thistle)	trace	
Cirsium vulgare (bull thistle)	trace	
Clematis vitalba (clematis)	trace	
Crataegus monogyna (European hawthorn)	trace	
Festuca arundinacea (tall fescue)	trace	
Galium aparine (cleavers)	trace	
Geranium robertianum (herb-Robert)	trace	
Ilex aquafolium (English holly)	trace	
Lactuca muralis (wall lettuce)	trace	
Lapsana communis (common nipplewort)	trace	
Phalaris arundinacea (reed canarygrass)	trace	
Plantago lanceolata (English narrowleaf buckhorn	trace	
Plantago major (common plantain)	trace	
Polygonum aviculare (doorweed)	trace	
Prunella vulgaris var. vulgaris (common selfheal	trace	
Prunus laurocerasus (English laurel)	trace	
Ranunculus repens (creeping buttercup)	trace	
Rubus discolor (Himalayan blackberry)	trace	
Toxicodendron diversilobum (poison oak)	trace	

Unit FP*095

Size: 3.38 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: 8/25/2004

Ecological Health: Severely Degraded.
% Tree canopy: 15%
General Note:

This is a powerline right of way.

Management Note:

Eco Note:

Primary Management concerns: Invasives, Utility Infrastructure.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Rubus discolor (Himalayan blackberry)	50% to 75%	Y			
Acer macrophyllum (bigleaf maple)	1% to 10%		0-5"	Y	
Prunus emarginata (bitter cherry)	1% to 10%		0-5"	Y	
Clematis vitalba (clematis)	1% to 10%				
Corylus avellana (common filbert)	1% to 10%				
Cytisus scoparius (Scot's broom)	1% to 10%				
Physocarpus capitatus (Pacific ninebark)	1% to 10%				
Pteridium aquilinum (bracken fern)	1% to 10%				
Rhamnus purshiana (cascara)	1% to 10%				
Rubus parviflorus (thimbleberry)	1% to 10%				
Cornus nuttallii (Pacific dogwood)	trace		0-5"		
Pseudotsuga menziesii (Douglas fir)	trace		0-5"	Y	
Cirsium arvense (Canadian Thistle)	trace				

Daucus carota (Queen Anne's lace)	trace
Erigeron annuus (annual eastern daisy Fleabane)	trace
Festuca arundinacea (tall fescue)	trace
Hedera helix (English ivy)	trace
Hypericum perforatum (common St. John's wort)	trace
Hypochaeris radicata (hairy cats-ear)	trace
Lapsana communis (common nipplewort)	trace
Leucanthemum vulgare (oxeye daisy)	trace
Oxalis corniculata (creeping wood sorrel)	trace
Phalaris arundinacea (reed canarygrass)	trace
Plantago lanceolata (English narrowleaf buckhorn	trace
Plantago major (common plantain)	trace
Ranunculus repens (creeping buttercup)	trace
Rumex obtusifolius (bitter dock)	trace
Taraxacum officinale (common dandelion)	trace
Trifolium pratense (red clover)	trace

Unit FP*096

Size: 1.94 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: CES204.001 North Pacific Maritime Dry-Mesic Douglas-fir-Western Hemlock Forest
Landform: Side-hill, Lower 3rd
Slope: Extremely Steep (over 30%)
Aspect: Northeast
Notes:

Visit date: 8/25/2004

Ecological Health: Severely Degraded.
% Tree canopy: 65%
% Non-Native Cover: 75
General Note:

Unit is located between a powerline Right of way and Wilbridge Ave. There is an old road grade in this unit.

Management Note:

Taxus brevifolia is prevalent in this unit.

Wetland indicators: Streams.
Primary Management concerns: Invasives, Litter, 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"		
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	10-20"		
Polystichum munitum (sword fern)	20% to 50%				
Acer circinatum (vine maple)	10% to 20%	Y			
Berberis nervosa (Oregon grape)	10% to 20%	Y			
Taxus brevifolia (Pacific yew)	1% to 10%		5-10"		
Gaultheria shallon (salal)	1% to 10%				
Symphoricarpos albus (snowberry)	1% to 10%				
Corylus avellana (common filbert)	trace				
Hypericum perforatum (common St. John's wort)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Prunus laurocerasus (English laurel)	trace				
Quercus garryana (Oregon white oak)	trace				

Unit FP*098

Size: 4.98 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: 8/26/2004

Ecological Health: Poor.
% Tree canopy: 65%
% Non-Native Cover: 50
General Note:

Unit is mostly a steep cliff below powerline ROW and above Wilbridge Ave.

Management Note:

Ivy and Holly are the main invasive species found in the unit interior.

Eco Note:

All trees are small diameter.

Primary Management concerns: Invasives, Litter, Informal Trails.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	5-10"	Y	
Hedera helix (English ivy)	20% to 50%	Y			
Polystichum munitum (sword fern)	20% to 50%	Y			
Berberis nervosa (Oregon grape)	10% to 20%	Y			
Tsuga heterophylla (western hemlock)	10% to 20%		10-20"	Y	
Pseudotsuga menziesii (Douglas fir)	1% to 10%		10-20"		
Thuja plicata (western red cedar)	1% to 10%		10-20"	Y	
Abies grandis (grand fir)	1% to 10%		0-5"	Y	
Fraxinus latifolia (Oregon ash)	1% to 10%		0-5"	Y	
Acer circinatum (vine maple)	1% to 10%				
Corylus cornuta (western beaked hazelnut)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Symphoricarpos albus (snowberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Prunus emarginata (bitter cherry)	trace		10-20"	Y	
Quercus garryana (Oregon white oak)	trace		10-20"		
Taxus brevifolia (Pacific yew)	trace		5-10"		
Corylus avellana (common filbert)	trace				
Daucus carota (Queen Anne's lace)	trace				
Holcus lanatus (velvet grass)	trace				
Lactuca muralis (wall lettuce)	trace				
Lactuca serriola (Lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Rubus discolor (Himalayan blackberry)	trace				
Senecio jacobaea (tansy ragwort)	trace				

Unit FP*099

Size: 1.15 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: Gentle (10 to 20%)
Aspect: Southeast
Notes:

Visit date: 8/24/2004

Ecological Health: Severely Degraded.
% Tree canopy: 10%
% Non-Native Cover: 80
General Note:

Cleared area under powerlines dominated by RUDI with a few other shrubs. Trees few. Firelane 1 runs along western border of unit.

Management Note:

Nearly 75% cover of RUDI throughout entire unit.

Primary Management concerns: Invasives, Utility Infrastructure, Informal Trails.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Rubus discolor (Himalayan blackberry)	50% to 75%	Y			
Acer macrophyllum (bigleaf maple)	1% to 10%		0-5"	Y	
Alnus rubra (red alder)	1% to 10%		0-5"	Y	
Prunus emarginata (bitter cherry)	1% to 10%		0-5"	Y	
Corylus cornuta (western beaked hazelnut)	1% to 10%				
Epilobium angustifolium (fireweed)	1% to 10%				
Pteridium aquilinum (bracken fern)	1% to 10%				
Rubus parviflorus (thimbleberry)	1% to 10%				
Cirsium arvense (Canadian Thistle)	trace				
Erigeron annuus (annual eastern daisy Fleabane)	trace				
Hedera helix (English ivy)	trace				
Holcus lanatus (velvet grass)	trace				
Hypericum perforatum (common St. John's wort)	trace				
Ilex aquafolium (English holly)	trace				
Leucanthemum vulgare (oxeye daisy)	trace				
Rhamnus purshiana (cascara)	trace				

Unit FP*100

Size: 14.09 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: 8/24/2004

Ecological Health: Fair.
% Tree canopy: 80%
% Non-Native Cover: 15
General Note:

Unit is bordered by Firelane 1 on West and North.

Management Note:

Invasives are thicker near the lower edge of Firelane 1.

Wetland indicators: Streams, Hydrophilic Vegetation.
Primary Management concerns: Invasives.

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			
Acer circinatum (vine maple)	10% to 20%	Y			
Pseudotsuga menziesii (Douglas fir)	1% to 10%		20-30"		
Alnus rubra (red alder)	1% to 10%		10-20"		
Thuja plicata (western red cedar)	1% to 10%		10-20"	Y	
Tsuga heterophylla (western hemlock)	1% to 10%		10-20"	Y	
Abies grandis (grand fir)	1% to 10%		5-10"	Y	
Achlys triphylla (vanillaleaf)	1% to 10%				
Gaultheria shallon (salal)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Rhamnus purshiana (cascara)	1% to 10%				
Rubus ursinus (trailing blackberry)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Sorbus aucuparia (European mountain ash)	trace		0-5"		
Carex obnupta (slough sedge)	trace				
Crataegus monogyna (European hawthorn)	trace				
Galium aparine (cleavers)	trace				
Geranium robertianum (herb-Robert)	trace				
Lapsana communis (common nipplewort)	trace				
Ranunculus repens (creeping buttercup)	trace				
Rubus discolor (Himalayan blackberry)	trace				
Rumex obtusifolius (bitter dock)	trace				

Unit FP*101

Size: 12.89 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: 8/24/2004

Ecological Health: Fair.
% Tree canopy: 75%
% Non-Native Cover: 5
General Note:

Unit is bounded by Saltzman Creek on bottom (west).
Firelane 1 at top (east).
Powerlines and Saltzman Road on north.
Unit contains lower Saltzman Creek.

Management Note:

Several homeless campsites, one with wire strung across trees.
Most HEHE in creek at bottom of unit.

Eco Note:

Lots of ABGR regeneration and PREM groves.
ILAQ, LAMU, GERO, RUDI, and GAAP in unit interior.
Total non-native cover: 5%.

Wetland indicators: Streams, Saturated Soils, Standing Flowing Water.
Primary Management concerns: Invasives, Litter, Homeless Camp, 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"	Y
Polystichum munitum (sword fern)	20% to 50%	Y		
Acer circinatum (vine maple)	10% to 20%	Y		
Thuja plicata (western red cedar)	1% to 10%		5-10"	Y
Abies grandis (grand fir)	1% to 10%		0-5"	Y
Berberis nervosa (Oregon grape)	1% to 10%			
Gaultheria shallon (salal)	1% to 10%			
Hedera helix (English ivy)	1% to 10%			
Ilex aquafolium (English holly)	1% to 10%			
Symphoricarpos albus (snowberry)	1% to 10%			
Vaccinium parvifolum (red huckleberry)	1% to 10%			
Arbutus menziesii (Pacific madrone)	trace		5-10"	
Prunus emarginata (bitter cherry)	trace		5-10"	
Quercus garryana (Oregon white oak)	trace		5-10"	
Taxus brevifolia (Pacific yew)	trace		5-10"	
Galium aparine (cleavers)	trace			
Geranium robertianum (herb-Robert)	trace			
Lactuca muralis (wall lettuce)	trace			
Lapsana communis (common nipplewort)	trace			
Plantago major (common plantain)	trace			
Rubus discolor (Himalayan blackberry)	trace			
Rumex obtusifolius (bitter dock)	trace			

Unit FP*102

Size: 9.38 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: Northwest
Notes:

Visit date: 8/19/2004

Ecological Health: Good.
% Tree canopy: 65%
% Non-Native Cover: 5
General Note:

This unit is a long steep slope along the NE edge of Leif Erickson. Species of interest: QUGA.

Management Note:

Invasives associated with road, ILAQ,HEHE & CYSC all moving from edge of road to interior of unit.

Eco Note:

Very mixed unit with creek at bottom.

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

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Polystichum munitum (sword fern)	50% to 75%	Y			
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"	Y	
Pseudotsuga menziesii (Douglas fir)	10% to 20%	Y	10-20"	Y	
Alnus rubra (red alder)	1% to 10%		5-10"		
Arbutus menziesii (Pacific madrone)	1% to 10%		5-10"		
Quercus garryana (Oregon white oak)	1% to 10%		5-10"		
Tsuga heterophylla (western hemlock)	1% to 10%		5-10"	Y	
Abies grandis (grand fir)	1% to 10%		0-5"	Y	
Thuja plicata (western red cedar)	1% to 10%		0-5"	Y	
Acer circinatum (vine maple)	1% to 10%				
Corylus cornuta (western beaked hazelnut)	1% to 10%				
Cytisus scoparius (Scot's broom)	1% to 10%				
Hedera helix (English ivy)	1% to 10%				
Toxicodendron diversilobum (poison oak)	1% to 10%				
Populus balsamifera ssp. trichocarpa (black cott	trace		20-30"		

Sorbus aucuparia (European mountain ash)	trace	0-5"
Arctium minus (lesser burdock)	trace	
Cirsium vulgare (bull thistle)	trace	
Daucus carota (Queen Anne's lace)	trace	
Dipsacus sylvestris (teasel)	trace	
Erigeron annuus (annual eastern daisy Fleabane)	trace	
Geranium robertianum (herb-Robert)	trace	
Hypericum perforatum (common St. John's wort)	trace	
Ilex aquafolium (English holly)	trace	
Lactuca muralis (wall lettuce)	trace	
Lapsana communis (common nipplewort)	trace	
Leucanthemum vulgare (oxeye daisy)	trace	
Plantago lanceolata (English narrowleaf buckhorn	trace	
Plantago major (common plantain)	trace	
Ranunculus repens (creeping buttercup)	trace	
Rubus discolor (Himalayan blackberry)	trace	
Rumex obtusifolius (bitter dock)	trace	
Trifolium repens (common clover)	trace	

Unit FP*103

Size: 10.09 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: East
Notes:

Visit date: 8/23/2004

Ecological Health: Fair.
% Tree canopy: 65%
% Non-Native Cover: 5
General Note:

Open forest with loose, dry, gravelly soil.
Steep shrubby sideslope unit. Slope 87%.
No running water in creek even after record rainfall.
Species of interest = TABR, ARME.

Management Note:

Most weeds along Leif Erickson Drive.
ILAQ, RUDI, GERO, and RULA in unit interior.

Eco Note:

Open canopy with shrubby understory.

Wetland indicators: Streams, Saturated Soils, Standing Flowing Water.
Primary Management concerns: Invasives.
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"	Y	
Polystichum munitum (sword fern)	20% to 50%	Y			
Acer circinatum (vine maple)	10% to 20%	Y			
Alnus rubra (red alder)	1% to 10%		5-10"		
Tsuga heterophylla (western hemlock)	1% to 10%		5-10"	Y	
Thuja plicata (western red cedar)	1% to 10%		0-5"	Y	
Berberis nervosa (Oregon grape)	1% to 10%				
Corylus cornuta (western beaked hazelnut)	1% to 10%				
Holodiscus discolor (oceanspray)	1% to 10%				
Rubus parviflorus (thimbleberry)	1% to 10%				
Toxicodendron diversilobum (poison oak)	1% to 10%				
Abies grandis (grand fir)	trace		5-10"	Y	

Arbutus menziesii (Pacific madrone)	trace	5-10"	Y
Taxus brevifolia (Pacific yew)	trace	0-5"	
Clematis vitalba (clematis)	trace		
Cytisus scoparius (Scot's broom)	trace		
Daucus carota (Queen Anne's lace)	trace		
Dianthus armeria (Deptford pink)	trace		
Geranium robertianum (herb-Robert)	trace		
Hedera helix (English ivy)	trace		
Hypericum perforatum (common St. John's wort)	trace		
Ilex aquafolium (English holly)	trace		
Lactuca muralis (wall lettuce)	trace		
Lapsana communis (common nipplewort)	trace		
Oxalis corniculata (creeping wood sorrel)	trace		
Plantago lanceolata (English narrowleaf buckhorn	trace		
Plantago major (common plantain)	trace		
Ranunculus repens (creeping buttercup)	trace		
Rubus discolor (Himalayan blackberry)	trace		
Rubus laciniatus (evergreen blackberry)	trace		
Rumex obtusifolius (bitter dock)	trace		
Taraxacum officinale (common dandelion)	trace		
Trifolium pratense (red clover)	trace		

Unit FP*104

Size: 7.34 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: Northwest
Notes:

Visit date: 8/23/2004
Ecological Health: Fair.
% Tree canopy: 65%
General Note:

Management Note:

Eco Note:

Wetland indicators: Streams, Saturated Soils, Standing Flowing Water.
Primary Management concerns: Invasives, Domestic Animals, Litter, 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	10-20"	Y	
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	10-20"		
Acer circinatum (vine maple)	10% to 20%	Y			
Berberis nervosa (Oregon grape)	10% to 20%	Y			
Tsuga heterophylla (western hemlock)	1% to 10%		10-20"	Y	
Thuja plicata (western red cedar)	1% to 10%		5-10"	Y	
Abies grandis (grand fir)	1% to 10%		0-5"	Y	
Alnus rubra (red alder)	1% to 10%				
Holodiscus discolor (oceanspray)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Arbutus menziesii (Pacific madrone)	trace		10-20"		
Taxus brevifolia (Pacific yew)	trace		5-10"		
Sorbus aucuparia (European mountain ash)	trace		0-5"		
Centaurium erythraea (European centaury)	trace				
Cirsium arvense (Canadian Thistle)	trace				
Cirsium vulgare (bull thistle)	trace				

Clematis vitalba (clematis)	trace
Cytisus scoparius (Scot's broom)	trace
Dactylis glomerata (orchard grass)	trace
Daucus carota (Queen Anne's lace)	trace
Galium aparine (cleavers)	trace
Geranium robertianum (herb-Robert)	trace
Geum urbanum (herb bennet)	trace
Hypericum perforatum (common St. John's wort)	trace
Ilex aquafolium (English holly)	trace
Lactuca muralis (wall lettuce)	trace
Lapsana communis (common nipplewort)	trace
Leucanthemum vulgare (oxeye daisy)	trace
Plantago lanceolata (English narrowleaf buckhorn	trace
Plantago major (common plantain)	trace
Prunella vulgaris var. vulgaris (common selfheal	trace
Ranunculus repens (creeping buttercup)	trace
Rubus discolor (Himalayan blackberry)	trace
Senecio jacobaea (tansy ragwort)	trace
Trifolium repens (common clover)	trace

Unit FP*105

Size: 17.27 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, Middle 3rd
Slope: Extremely Steep (over 30%)
Aspect: Southeast
Notes:

Visit date: 8/23/2004

Ecological Health: Fair.
% Tree canopy: 65%
% Non-Native Cover: 5
General Note:

Steep, side-slope unit.
Bordered on one short side by Leif Erickson Drive.
Fairly open forest with some open patches.
Some areas of dense shrubby oak and poison oak.

Management Note:

Weeds mostly along Leif Erickson Drive.
Some ILAQ in interior.

Eco Note:

Even mix of trees. No one dominant.

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

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Polystichum munitum (sword fern)	20% to 50%	Y			
Pseudotsuga menziesii (Douglas fir)	10% to 20%	Y	20-30"	Y	
Acer macrophyllum (bigleaf maple)	10% to 20%	Y	10-20"	Y	
Acer circinatum (vine maple)	10% to 20%	Y			
Berberis nervosa (Oregon grape)	10% to 20%				
Thuja plicata (western red cedar)	1% to 10%		20-30"	Y	
Alnus rubra (red alder)	1% to 10%		5-10"	Y	
Tsuga heterophylla (western hemlock)	1% to 10%		0-5"	Y	
Ilex aquafolium (English holly)	1% to 10%				
Toxicodendron diversilobum (poison oak)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Arbutus menziesii (Pacific madrone)	trace		5-10"		

Quercus garryana (Oregon white oak)	trace	5-10"	
Abies grandis (grand fir)	trace	0-5"	Y
Arctium minus (lesser burdock)	trace		
Clematis vitalba (clematis)	trace		
Dactylis glomerata (orchard grass)	trace		
Galium aparine (cleavers)	trace		
Geranium robertianum (herb-Robert)	trace		
Geum urbanum (herb bennet)	trace		
Hedera helix (English ivy)	trace		
Hypericum perforatum (common St. John's wort)	trace		
Lactuca muralis (wall lettuce)	trace		
Lapsana communis (common nipplewort)	trace		
Plantago major (common plantain)	trace		
Ranunculus repens (creeping buttercup)	trace		
Rubus discolor (Himalayan blackberry)	trace		
Rumex obtusifolius (bitter dock)	trace		

Unit FP*106

Size: 27.89 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: North
Notes:

Visit date: 8/19/2004

Ecological Health: Fair.
% Tree canopy: 75%
% Non-Native Cover: 5
General Note:

Unit is bordered by Leif Erickson on the southwest side. Maple Trail crosses through southwest portion of unit.
SOI = TABR2.

Management Note:

Invasives most prevalent along Leif Erickson Drive and above Saltzman Road on northeast edge. Invasive forbs along Maple Trail.
RUDI, ILAQ present on ridge.

Eco Note:

Unit is a steep north-facing slope flanked by an ephemeral stream on its northern edge. High shrub layer is negligible, creating an open forest with POMU dominating in the herb layer.
Canopy is deciduous with several conifers present in ravine.

Wetland indicators: Streams, Hydrophilic Vegetation.
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)	50% to 75%	Y			
Berberis nervosa (Oregon grape)	10% to 20%	Y			
Pseudotsuga menziesii (Douglas fir)	1% to 10%		20-30"		
Alnus rubra (red alder)	1% to 10%		10-20"		
Thuja plicata (western red cedar)	1% to 10%		10-20"	Y	
Tsuga heterophylla (western hemlock)	1% to 10%		10-20"	Y	
Acer circinatum (vine maple)	1% to 10%				
Pteridium aquilinum (bracken fern)	1% to 10%				
Rubus parviflorus (thimbleberry)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Anthemis cotula (dogfennel)	trace				
Arctium minus (lesser burdock)	trace				

Cirsium arvense (Canadian Thistle)	trace
Cirsium vulgare (bull thistle)	trace
Convolvulus arvensis (morning glory)	trace
Crataegus monogyna (European hawthorn)	trace
Galium aparine (cleavers)	trace
Geranium robertianum (herb-Robert)	trace
Geum urbanum (herb bennet)	trace
Hedera helix (English ivy)	trace
Ilex aquafolium (English holly)	trace
Lapsana communis (common nipplewort)	trace
Plantago major (common plantain)	trace
Prunella vulgaris var. vulgaris (common selfheal	trace
Ranunculus repens (creeping buttercup)	trace
Rubus discolor (Himalayan blackberry)	trace
Rumex obtusifolius (bitter dock)	trace
Solanum dulcamara (bittersweet nightshade)	trace
Taraxacum officinale (common dandelion)	trace

Unit FP*107

Size: 18.5 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: East
Notes:

Visit date: 8/12/2004
Ecological Health: Good.
% Tree canopy: 65%
% Non-Native Cover: 5
General Note:

Steep drainages on both sides of unit.
Leif Erickson Road, Maple Trail, and Koenig Trail are all in the unit.
Canopy quite open.

Management Note:

Eco Note:

Young stand. Very dry on ridge top.
Good mix of trees of about the same age.

Wetland indicators: Streams, Hydrophilic Vegetation, Saturated Soils, Standing Flowing Water.
Primary Management concerns: Invasives.
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%				
Acer circinatum (vine maple)	10% to 20%	Y			
Pseudotsuga menziesii (Douglas fir)	10% to 20%		20-30"		
Berberis nervosa (Oregon grape)	10% to 20%				
Alnus rubra (red alder)	1% to 10%		10-20"		
Thuja plicata (western red cedar)	1% to 10%		10-20"		
Tsuga heterophylla (western hemlock)	1% to 10%		10-20"		
Adiantum pedatum (maidenhair fern)	1% to 10%				
Gaultheria shallon (salal)	1% to 10%				
Pteridium aquilinum (bracken fern)	1% to 10%				
Rubus parviflorus (thimbleberry)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				

Taxus brevifolia (Pacific yew)	trace	5-10"
Alliaria petiolata (garlic mustard)	trace	
Arctium minus (lesser burdock)	trace	
Clematis vitalba (clematis)	trace	
Galium aparine (cleavers)	trace	
Geranium robertianum (herb-Robert)	trace	
Hedera helix (English ivy)	trace	
Hypericum perforatum (common St. John's wort)	trace	
Ilex aquafolium (English holly)	trace	
Lactuca muralis (wall lettuce)	trace	
Lapsana communis (common nipplewort)	trace	
Oxalis oregana (Oregon woodsorrel)	trace	
Plantago major (common plantain)	trace	
Ranunculus repens (creeping buttercup)	trace	
Rubus discolor (Himalayan blackberry)	trace	
Rubus laciniatus (evergreen blackberry)	trace	
Rumex obtusifolius (bitter dock)	trace	
Solanum dulcamara (bittersweet nightshade)	trace	

Unit FP*108

Size: 9.48 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: Southeast
Notes:

Visit date: 8/5/2004

Ecological Health: Good.
% Tree canopy: 80%
General Note:

Leif Erickson runs along the west side (top) of the unit.
Maple trails runs through the middle.

Management Note:

Removing large ILAQs should be the focus of weed management in this unit.

Eco Note:

Weeds mostly along road and trail except ILAQ, which is in the interior.

Primary Management concerns: Invasives.
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	
Polystichum munitum (sword fern)	20% to 50%	Y			
Acer circinatum (vine maple)	10% to 20%	Y			
Abies grandis (grand fir)	1% to 10%		10-20"		
Alnus rubra (red alder)	1% to 10%		10-20"		
Tsuga heterophylla (western hemlock)	1% to 10%		10-20"		
Thuja plicata (western red cedar)	1% to 10%		5-10"	Y	
Achlys triphylla (vanillaleaf)	1% to 10%				
Berberis nervosa (Oregon grape)	1% to 10%				
Corylus cornuta (western beaked hazelnut)	1% to 10%				
Gaultheria shallon (salal)	1% to 10%				
Rhamnus purshiana (cascara)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Clematis vitalba (clematis)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Oxalis oregana (Oregon woodsorrel)	trace				
Plantago major (common plantain)	trace				

Prunella vulgaris var. vulgaris (common selfheal	trace
Rubus discolor (Himalayan blackberry)	trace
Rumex obtusifolius (bitter dock)	trace
Streptopus amplexifolius (clasping-leaf twisted-	trace

Unit FP*109

Size: 10.93 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: South
Notes:

Visit date: 8/17/2004

Ecological Health: Good.
% Tree canopy: 80%
% Non-Native Cover: 5
General Note:

Steep south-facing unit with a perennial stream on the southern border. Very shrubby understory. Maple Trail runs through top of unit.

Management Note:

Invasives scattered throughout unit. Abandoned homeless camp at eastern end of unit contains piles of litter.

Eco Note:

Fire scars observed on one large PSME.

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

Primary Management concerns: Invasives, Soil Compaction, Litter, Homeless Camp, 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	
Acer circinatum (vine maple)	20% to 50%	Y			
Polystichum munitum (sword fern)	20% to 50%				
Berberis nervosa (Oregon grape)	10% to 20%				
Gaultheria shallon (salal)	10% to 20%				
Tsuga heterophylla (western hemlock)	1% to 10%		10-20"	Y	
Abies grandis (grand fir)	1% to 10%		5-10"	Y	
Corylus cornuta (western beaked hazelnut)	1% to 10%				
Trientalis latifolia (western broad-leaf starflo	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Arbutus menziesii (Pacific madrone)	trace		5-10"		
Fraxinus latifolia (Oregon ash)	trace		5-10"	Y	
Prunus emarginata (bitter cherry)	trace		5-10"		
Quercus garryana (Oregon white oak)	trace		5-10"	Y	
Thuja plicata (western red cedar)	trace		5-10"	Y	
Cornus nuttallii (Pacific dogwood)	trace		0-5"		
Clematis vitalba (clematis)	trace				
Corylus avellana (common filbert)	trace				
Festuca arundinacea (tall fescue)	trace				
Hedera helix (English ivy)	trace				
Hypericum perforatum (common St. John's wort)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				

Plantago major (common plantain)	trace
Prunella vulgaris var. vulgaris (common selfheal	trace
Ranunculus repens (creeping buttercup)	trace
Rubus discolor (Himalayan blackberry)	trace
Rumex obtusifolius (bitter dock)	trace
Satureja douglasii (yerba buena)	trace
Taraxacum officinale (common dandelion)	trace
Toxicodendron diversilobum (poison oak)	trace

Unit FP*110

Size: 14.21 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: 8/17/2004

Ecological Health: Fair.
% Tree canopy: 75%
% Non-Native Cover: 5
General Note:

Unit is bordered on the west by Leif Erickson and on the north by a cleared powerline corridor. Maple Trail runs through unit.
SOI is LICO. Hydrophilic vegetation is VIGL.
Mountain bike tracks observed on Maple Trail.

Management Note:

Invasives are most heavy near Leif Erickson and the powerline corridor.

Eco Note:

Unit is a northeast trending slope with two dry ravines crossing through the north and south sections. Dominated by deciduous canopy. Shrub and forb layers are diverse with high shrubs having the most significant presence. A >30" DBH ABGR was found in the unit.

Wetland indicators: Hydrophilic Vegetation.
Primary Management concerns: Invasives, Litter, Mountain Bike Impact, 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			
Acer circinatum (vine maple)	10% to 20%	Y			
Berberis nervosa (Oregon grape)	10% to 20%	Y			
Alnus rubra (red alder)	10% to 20%		10-20"		
Thuja plicata (western red cedar)	1% to 10%		5-10"		
Tsuga heterophylla (western hemlock)	1% to 10%		5-10"	Y	
Pseudotsuga menziesii (Douglas fir)	1% to 10%		0-5"	Y	
Corylus cornuta (western beaked hazelnut)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Lilium columbianum (tiger-lily)	1% to 10%				
Rhamnus purshiana (cascara)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Arctium minus (lesser burdock)	trace				
Cirsium arvense (Canadian Thistle)	trace				
Clematis vitalba (clematis)	trace				
Cytisus scoparius (Scot's broom)	trace				
Galium aparine (cleavers)	trace				
Geranium robertianum (herb-Robert)	trace				
Geum urbanum (herb bennet)	trace				
Hedera helix (English ivy)	trace				

Lactuca muralis (wall lettuce)	trace
Lapsana communis (common nipplewort)	trace
Leucanthemum vulgare (oxeye daisy)	trace
Melissa officinalis (lemon balm)	trace
Montia sibirica (Siberian minerslettuce)	trace
Plantago lanceolata (English narrowleaf buckhorn	trace
Plantago major (common plantain)	trace
Prunella vulgaris var. vulgaris (common selfheal	trace
Ranunculus repens (creeping buttercup)	trace
Rubus discolor (Himalayan blackberry)	trace
Rumex obtusifolius (bitter dock)	trace
Taraxacum officinale (common dandelion)	trace

Unit FP*111

Size: 8.23 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: Northeast

Notes:

Visit date: 8/17/2004

Ecological Health: Severely Degraded.

% Tree canopy: 10%

% Non-Native Cover: 75

General Note:

Weedy, dry shrubland under powerlines.

Management Note:

Has recently been cleared of trees and tall shrubs by maintenance crew.

Eco Note:

Many large Cascaras provide some wildlife value.

Primary Management concerns: Invasives, Litter, Utility Infrastructure.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Cytisus scoparius (Scot's broom)	10% to 20%	Y			
Rubus discolor (Himalayan blackberry)	10% to 20%	Y			
Clematis vitalba (clematis)	10% to 20%				
Phalaris arundinacea (reed canarygrass)	10% to 20%				
Acer macrophyllum (bigleaf maple)	1% to 10%		5-10"	Y	
Alnus rubra (red alder)	1% to 10%		5-10"	Y	
Rhamnus purshiana (cascara)	1% to 10%		5-10"		
Acer circinatum (vine maple)	1% to 10%				
Corylus avellana (common filbert)	1% to 10%				
Epilobium angustifolium (fireweed)	1% to 10%				
Festuca arundinacea (tall fescue)	1% to 10%				
Pteridium aquilinum (bracken fern)	1% to 10%				
Sambucus mexicana (blue elderberry)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Juglans regia (English walnut)	trace		0-5"		
Prunus emarginata (bitter cherry)	trace		0-5"	Y	
Agrostis sp. (bentgrass)	trace				
Cirsium arvense (Canadian Thistle)	trace				
Dactylis glomerata (orchard grass)	trace				
Daucus carota (Queen Anne's lace)	trace				
Galium aparine (cleavers)	trace				
Hedera helix (English ivy)	trace				
Holcus lanatus (velvet grass)	trace				
Hypericum perforatum (common St. John's wort)	trace				
Hypochaeris radicata (hairy cats-ear)	trace				
Leucanthemum vulgare (oxeye daisy)	trace				

Lotus corniculatus (birdsfoot trefoil)	trace
Melissa officinalis (lemon balm)	trace
Plantago lanceolata (English narrowleaf buckhorn	trace
Rumex obtusifolius (bitter dock)	trace
Solanum dulcamara (bittersweet nightshade)	trace
Tanacetum vulgare (common tansy)	trace
Trifolium pratense (red clover)	trace

Unit FP*112

Size: 7.36 Acres
NVCS Class: Woodland
NVCS Subclass: Deciduous woodland
NVCS Group: Cold-deciduous woodland
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: 8/17/2004

Ecological Health: Fair.
% Tree canopy: 50%
% Non-Native Cover: 5
General Note:

Unit is a steep, south-facing slope bordered on the southern edge by a ravine and on the eastern edge by NW Saltzman Road.
Species of interest were QUGA, ARME, FRLA, and PREM.
Unit was dry and brushy with many young trees.

Management Note:

Invasives scattered throughout. HEHE and CLVI are heavier near NW Saltzman Road.
Large population of TODI.

Eco Note:

Unit is an open deciduous woodland dominated by ACMA, QUGA, PREM, and FRLA. There were also several large Madrone trees.
High shrub layer is diverse and dense, creating a very shrubby habitat.

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

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	10% to 20%	Y	10-20"		
Fraxinus latifolia (Oregon ash)	10% to 20%	Y	5-10"		
Acer circinatum (vine maple)	10% to 20%	Y			
Berberis nervosa (Oregon grape)	10% to 20%	Y			
Gaultheria shallon (salal)	10% to 20%				
Polystichum munitum (sword fern)	1% to 10%	Y			
Arbutus menziesii (Pacific madrone)	1% to 10%		10-20"		
Pseudotsuga menziesii (Douglas fir)	1% to 10%		5-10"		
Quercus garryana (Oregon white oak)	1% to 10%		5-10"		
Prunus emarginata (bitter cherry)	1% to 10%		0-5"		
Thuja plicata (western red cedar)	1% to 10%		0-5"		
Tsuga heterophylla (western hemlock)	1% to 10%		0-5"		
Amelanchier alnifolia (serviceberry)	1% to 10%				
Clematis vitalba (clematis)	1% to 10%				
Hedera helix (English ivy)	1% to 10%				
Symphoricarpos albus (snowberry)	1% to 10%				
Toxicodendron diversilobum (poison oak)	1% to 10%				
Cirsium arvense (Canadian Thistle)	trace				
Cirsium vulgare (bull thistle)	trace				
Crataegus monogyna (European hawthorn)	trace				
Festuca arundinacea (tall fescue)	trace				
Holcus lanatus (velvet grass)	trace				
Hypericum perforatum (common St. John's wort)	trace				

Ilex aquafolium (English holly)	trace
Lactuca muralis (wall lettuce)	trace
Rubus discolor (Himalayan blackberry)	trace

Unit FP*113

Size: 17.77 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: Steep (20 to 30%)
Aspect: Northeast
Notes:

Visit date: 8/17/2004

Ecological Health: Fair.
% Tree canopy: 70%
General Note:

Large unit extending from Saltzman Road nearly to Maple Trail and Leif Erickson Drive. No streams or ravines in unit.

Management Note:

Large amounts of HEHE and CLVI in unit. Where present, CLVI and HEHE are on tree trunks and in canopy. Very little on the ground.
HEHE heavy along Saltzman Road.

Eco Note:

Trees mostly quite young.
Shrubs sparse and not very diverse.

Primary Management concerns: Invasives, Litter.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	50% to 75%	Y	10-20"		
Polystichum munitum (sword fern)	50% to 75%	Y			
Acer circinatum (vine maple)	10% to 20%	Y			
Alnus rubra (red alder)	10% to 20%		10-20"		
Pseudotsuga menziesii (Douglas fir)	1% to 10%		10-20"	Y	
Thuja plicata (western red cedar)	1% to 10%		5-10"	Y	
Tsuga heterophylla (western hemlock)	1% to 10%		5-10"	Y	
Athyrium filix-femina (ladyfern)	1% to 10%				
Berberis nervosa (Oregon grape)	1% to 10%				
Clematis vitalba (clematis)	1% to 10%				
Hedera helix (English ivy)	1% to 10%				
Rhamnus purshiana (cascara)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Arbutus menziesii (Pacific madrone)	trace		10-20"		
Galium aparine (cleavers)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Phalaris arundinacea (reed canarygrass)	trace				
Rubus discolor (Himalayan blackberry)	trace				

Unit FP*114

Size: 0.55 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, Lower 3rd
Slope: Extremely Steep (over 30%)
Aspect: East

Visit date: 8/26/2004

Ecological Health: Severely Degraded.
% Tree canopy: 15%
% Non-Native Cover: 85
General Note:

This unit is a road cut located between a switchback on Saltzman Road. Utility storm/sewer drain off corner of road.

Management Note:

Unit is dominated by HEHE, CLVI and RUDI.

Primary Management concerns: Invasives, Litter, Utility Infrastructure.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Hedera helix (English ivy)	50% to 75%	Y			
Clematis vitalba (clematis)	10% to 20%	Y			
Rubus discolor (Himalayan blackberry)	10% to 20%	Y			
Acer macrophyllum (bigleaf maple)	1% to 10%		5-10"		
Alnus rubra (red alder)	1% to 10%		0-5"		
Acer circinatum (vine maple)	1% to 10%				
Cornus sericea ssp. sericea (red-osier dogwood)	1% to 10%				
Corylus avellana (common filbert)	1% to 10%				
Polystichum munitum (sword fern)	1% to 10%				
Agrostis sp. (bentgrass)	trace				
Alliaria petiolata (garlic mustard)	trace				
Cirsium vulgare (bull thistle)	trace				
Convolvulus arvensis (morning glory)	trace				
Daucus carota (Queen Anne's lace)	trace				
Geranium robertianum (herb-Robert)	trace				
Holcus lanatus (velvet grass)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Mentha xpiperita (peppermint)	trace				
Plantago major (common plantain)	trace				
Ranunculus repens (creeping buttercup)	trace				
Rumex obtusifolius (bitter dock)	trace				
Trifolium pratense (red clover)	trace				

Unit FP*115

Size: 2.93 Acres
NVCS Class: Woodland
NVCS Subclass: Mixed evergreen-deciduous woodland
NVCS Group: Mixed needle-leaved evergreen - cold-deciduous woodland
NVCS SubGroup: Natural / Semi-natural
NVCS Ecological System: CES204.845 North Pacific Dry Douglas-fir Forest and Woodland
Landform: Side-hill, Lower 3rd
Slope: Extremely Steep (over 30%)
Aspect: Northeast

Visit date: 8/26/2004

Ecological Health: Severely Degraded.
% Tree canopy: 35%
% Non-Native Cover: 70
General Note:

Unit is located between St. Helens Road and Saltzman Road. Utility lines run through unit. Species of Interest: TABR2.

Management Note:

Unit is dominated by HEHE, CLVI and RUDI.

Eco Note:

Unit is a steep northeast facing slope dominated by invasives. Unit is surround by roads and buildings on all sides.

Primary Management concerns: Invasives.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Hedera helix (English ivy)	20% to 50%	Y			
Polystichum munitum (sword fern)	20% to 50%				
Acer macrophyllum (bigleaf maple)	10% to 20%	Y	10-20"	Y	
Pseudotsuga menziesii (Douglas fir)	10% to 20%	Y	10-20"		
Clematis vitalba (clematis)	10% to 20%	Y			
Rubus discolor (Himalayan blackberry)	10% to 20%	Y			
Alnus rubra (red alder)	1% to 10%		5-10"		
Fraxinus latifolia (Oregon ash)	1% to 10%		5-10"		
Ilex aquafolium (English holly)	1% to 10%				
Sambucus mexicana (blue elderberry)	1% to 10%				
Symphoricarpos albus (snowberry)	1% to 10%				
Taxus brevifolia (Pacific yew)	trace		0-5"		
Thuja plicata (western red cedar)	trace		0-5"	Y	
Convolvulus arvensis (morning glory)	trace				
Dactylis glomerata (orchard grass)	trace				
Daucus carota (Queen Anne's lace)	trace				
Geranium robertianum (herb-Robert)	trace				
Holcus lanatus (velvet grass)	trace				
Lapsana communis (common nipplewort)	trace				
Prunella vulgaris var. vulgaris (common selfheal	trace				
Taraxacum officinale (common dandelion)	trace				
Vinca major (bigleaf periwinkle)	trace				

Unit FP*117

Size: 9.11 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: East
Notes:

Visit date: 8/19/2004

Ecological Health: Fair.
% Tree canopy: 70%
% Non-Native Cover: 10

General Note:

Open forest with cleared powerline corridors on 2 sides.
Dry creek runs through unit.
Large woody debris and standing dead trees throughout.

Management Note:

CLVI on trunks and in canopy.
Very weedy at edges adjacent to powerline corridors.

Eco Note:

Somewhat shrubby units.
Patches of bare soil.

Wetland indicators: Streams.

Primary Management concerns: Invasives, 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			
Acer circinatum (vine maple)	10% to 20%	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	
Clematis vitalba (clematis)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Rubus ursinus (trailing blackberry)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Galium aparine (cleavers)	trace				
Hedera helix (English ivy)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Rumex obtusifolius (bitter dock)	trace				

Unit FP*118

Size: 1.52 Acres
NVCS Class: Forest
NVCS Subclass: Deciduous forest
NVCS Group: Cold-deciduous forest
NVCS SubGroup: Natural / Semi-natural
NVCS Ecological System: unknown
Landform: unknown
Slope: unknown
Aspect: unknown

Unit FP*119

Size: 2.86 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: Steep (20 to 30%)
Aspect: Northeast
Notes:

Visit date: 8/19/2004

Ecological Health: Poor.
% Tree canopy: 75%
% Non-Native Cover: 60
General Note:

Unit is situated between two powerline corridors just above Saltzman Road at the gated entrance to Forest Park.

Management Note:

Invasive cover is high in this unit due to influence of the adjacent powerline corridors, which are dominated by invasive species.

Eco Note:

Unit is small with a moderately steep slope facing northeast. HEHE dominates the forest floor and is also growing into the trees.

Native forb layer is minimal.

Primary Management concerns: Invasives, Litter, Informal Trails.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	50% to 75%	Y	10-20"	Y	
Hedera helix (English ivy)	20% to 50%	Y			
Polystichum munitum (sword fern)	20% to 50%	Y			
Alnus rubra (red alder)	1% to 10%		10-20"		
Abies grandis (grand fir)	1% to 10%		0-5"	Y	
Tsuga heterophylla (western hemlock)	1% to 10%		0-5"	Y	
Acer circinatum (vine maple)	1% to 10%				
Berberis nervosa (Oregon grape)	1% to 10%				
Clematis vitalba (clematis)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Oemleria cerasiformis (Indian-plum)	1% to 10%				
Rhamnus purshiana (cascara)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Galium aparine (cleavers)	trace				
Lactuca muralis (wall lettuce)	trace				
Phalaris arundinacea (reed canarygrass)	trace				

Unit FP*120

Size: 2.57 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: unknown

Slope: unknown

Aspect: unknown

Unit FP*121

Size: 0.9 Acres

NVCS Class: Woodland

NVCS Subclass: Mixed evergreen-deciduous woodland

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

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

Visit date: 8/26/2004

Ecological Health: Poor.

% Tree canopy: 40%

% Non-Native Cover: 60

General Note:

Unit is located northeast of Saltzman Road in between two powerline strips.

Management Note:

Unit is dominated by HEHE, CLVI and RUDI.

Eco Note:

Unit is a steep northeast facing slope dominated by invasives. Native presence is most significant in tree layer.

Primary Management concerns: Invasives, Litter.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Hedera helix (English ivy)	20% to 50%	Y			
Rubus discolor (Himalayan blackberry)	20% to 50%	Y			
Acer macrophyllum (bigleaf maple)	10% to 20%	Y	10-20"	Y	
Pseudotsuga menziesii (Douglas fir)	10% to 20%	Y	10-20"		
Acer circinatum (vine maple)	10% to 20%	Y			
Clematis vitalba (clematis)	10% to 20%				
Polystichum munitum (sword fern)	10% to 20%				
Alnus rubra (red alder)	1% to 10%		5-10"		
Fraxinus latifolia (Oregon ash)	1% to 10%		5-10"		
Oemleria cerasiformis (Indian-plum)	1% to 10%				
Abies grandis (grand fir)	trace		0-5"	Y	
Tsuga heterophylla (western hemlock)	trace		0-5"	Y	
Alliaria petiolata (garlic mustard)	trace				
Convolvulus arvensis (morning glory)	trace				
Daucus carota (Queen Anne's lace)	trace				
Geranium robertianum (herb-Robert)	trace				
Holcus lanatus (velvet grass)	trace				
Hypericum perforatum (common St. John's wort)	trace				
Hypochaeris radicata (hairy cats-ear)	trace				
Lactuca serriola (Lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Plantago lanceolata (English narrowleaf buckhorn	trace				
Plantago major (common plantain)	trace				
Rumex obtusifolius (bitter dock)	trace				
Trifolium pratense (red clover)	trace				

Unit FP*122

Size: 15.42 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: North

Notes:

Visit date: 9/29/2003

Ecological Health: Good.

% Tree canopy: 70%

% Non-Native Cover: not recorded

General Note:

Management Note:

ILAQ bushes scattered within unit.

Eco Note:

Devil's Club in the streambed, ACMA/PSME overstory. VAPA bushes are quite large.

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

Primary Management concerns: Invasives, Domestic Animals, Utility Infrastructure.

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"	Y	
Polystichum munitum (sword fern)	20% to 50%	Y			
Berberis nervosa (Oregon grape)	20% to 50%				
Alnus rubra (red alder)	10% to 20%		10-20"		

Acer circinatum (vine maple)	10% to 20%		
Rubus parviflorus (thimbleberry)	10% to 20%		
Populus balsamifera ssp. trichocarpa (black cott	1% to 10%	20-30"	
Tsuga heterophylla (western hemlock)	1% to 10%	5-10"	Y
Thuja plicata (western red cedar)	1% to 10%	0-5"	Y
Disporum hookeri (Hooker's fairybells)	1% to 10%		
Holodiscus discolor (oceanspray)	1% to 10%		
Oemleria cerasiformis (Indian-plum)	1% to 10%		
Oplopanax horridus (Devil's club)	1% to 10%		
Rubus ursinus (trailing blackberry)	1% to 10%		
Tolmiea menziesii (piggy-back plant)	1% to 10%		
Vaccinium parvifolum (red huckleberry)	1% to 10%		
Ilex aquafolium (English holly)	trace		
Osmorhiza chilensis (mountain sweet-cicely)	trace		
Rhamnus purshiana (cascara)	trace		

Unit FP*123

Size: 12.07 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: Southeast
Notes:

Visit date: 9/29/2003

Ecological Health: Good.
% Tree canopy: 70%
% Non-Native Cover: not recorded
General Note:

Management Note:
ILAQ bushes
Eco Note:
Dry streambed with a lot of ACCI. Very shrubby with BENE and POMU. ALRU dominates the canopy layer.
Wetland indicators: Hydrophilic Vegetation, Flood Debris.
Primary Management concerns: Invasives.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Alnus rubra (red alder)	20% to 50%	Y	10-20"		
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"	Y	
Acer circinatum (vine maple)	10% to 20%				
Pseudotsuga menziesii (Douglas fir)	1% to 10%		20-30"	Y	
Thuja plicata (western red cedar)	1% to 10%		5-10"	Y	
Rubus spectabilis (salmonberry)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Tolmiea menziesii (piggy-back plant)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Abies grandis (grand fir)	trace		0-5"	Y	
Asarum caudatum (wild ginger)	trace				
Ilex aquafolium (English holly)	trace				

Unit FP*124

Size: 4.86 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: Northwest
Notes:

Visit date: 9/29/2003
Ecological Health: Good.
% Tree canopy: 75%
% Non-Native Cover: not recorded
General Note:

Management Note:
ILAQ bushes
Eco Note:
Unit is a steep NW facing slope with a maple overstory and conifer regeneration.
Wetland indicators: Hydrophilic Vegetation, Saturated Soils.
Primary Management concerns: Invasives.
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			
Vaccinium parvifolum (red huckleberry)	20% to 50%	Y			
Alnus rubra (red alder)	20% to 50%		10-20"		
Berberis nervosa (Oregon grape)	20% to 50%				
Pseudotsuga menziesii (Douglas fir)	1% to 10%		0-5"	Y	
Thuja plicata (western red cedar)	1% to 10%		0-5"	Y	
Achlys triphylla (vanillaleaf)	1% to 10%				
Ribes bracteosum (stink currant)	1% to 10%				
Rubus ursinus (trailing blackberry)	1% to 10%				
Tolmiea menziesii (piggy-back plant)	1% to 10%				
Tsuga heterophylla (western hemlock)	trace		0-5"	Y	
Ilex aquafolium (English holly)	trace				

Unit FP*125

Size: 12.85 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: 9/29/2003
Ecological Health: Good.
% Tree canopy: 80%

% Non-Native Cover: not recorded
General Note:

Management Note:
ILAQ bushes.
Eco Note:
Unit has two drainages, big conifers, and an understory dominated by POMU.
Wetland indicators: Hydrophilic Vegetation, Flood Debris.
Primary Management concerns: Invasives, Utility Infrastructure.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	>30"	Y	
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"	Y	
Polystichum munitum (sword fern)	20% to 50%	Y			
Acer circinatum (vine maple)	10% to 20%	Y			
Alnus rubra (red alder)	10% to 20%		10-20"		
Berberis nervosa (Oregon grape)	10% to 20%				
Thuja plicata (western red cedar)	1% to 10%		10-20"	Y	
Abies grandis (grand fir)	1% to 10%		5-10"	Y	
Tsuga heterophylla (western hemlock)	1% to 10%		0-5"	Y	
Oemleria cerasiformis (Indian-plum)	1% to 10%				
Rubus parviflorus (thimbleberry)	1% to 10%				
Rubus ursinus (trailing blackberry)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Asarum caudatum (wild ginger)	trace				
Geranium robertianum (herb-Robert)	trace				
Ilex aquafolium (English holly)	trace				

Unit FP*126

Size: 10.85 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: 8/12/2004
Ecological Health: Good.
% Tree canopy: 75%
% Non-Native Cover: 5
General Note:
Firelane 3 runs through the unit and Leif Erickson Drive runs along the bottom(to the north).
Hydrophilic vegetation = Stachys.
Management Note:
Most weeds (especially GERO) heaviest along roads and trail, except for ILAQ, LAMU, and COAV in the interior.
Eco Note:
Shrubs few except in ravines, where RUSP is dense.
Wetland indicators: Hydrophilic Vegetation.
Primary Management concerns: Invasives, Mountain Bike Impact.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"	Y	

Alnus rubra (red alder)	20% to 50%	Y	10-20"	
Polystichum munitum (sword fern)	20% to 50%	Y		
Berberis nervosa (Oregon grape)	10% to 20%	Y		
Rubus parviflorus (thimbleberry)	10% to 20%	Y		
Pseudotsuga menziesii (Douglas fir)	1% to 10%		20-30"	
Achlys triphylla (vanillaleaf)	1% to 10%			
Corylus avellana (common filbert)	1% to 10%			
Geranium robertianum (herb-Robert)	1% to 10%			
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%			
Oemleria cerasiformis (Indian-plum)	1% to 10%			
Rubus spectabilis (salmonberry)	1% to 10%			
Sambucus racemosa (red elderberry)	1% to 10%			
Vaccinium parvifolum (red huckleberry)	1% to 10%			
Vancouveria hexandra (white inside-out-flower)	1% to 10%			
Abies grandis (grand fir)	trace		0-5"	Y
Sorbus aucuparia (European mountain ash)	trace		0-5"	
Thuja plicata (western red cedar)	trace		0-5"	Y
Clematis vitalba (clematis)	trace			
Galium aparine (cleavers)	trace			
Geum urbanum (herb bennet)	trace			
Ilex aquafolium (English holly)	trace			
Lactuca muralis (wall lettuce)	trace			
Lapsana communis (common nipplewort)	trace			
Melissa officinalis (lemon balm)	trace			
Petasites frigidus (coltsfoot)	trace			
Ranunculus repens (creeping buttercup)	trace			
Rumex obtusifolius (bitter dock)	trace			
Stachys cooleyae (Cooley's hedgenettle)	trace			

Unit FP*127

Size: 6.21 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: Southeast
Notes:

Visit date: 7/19/2004

Ecological Health: Good.
% Tree canopy: 70%
General Note:

Unit is west of Leif Erickson and the Maple trail runs along west boundary.

Management Note:

Some ILAQ clumps in interior. Monitor trail for invasive movement into unit.

Eco Note:

This is a small deciduous unit with a steep SE facing slope. The trees are very young and it has a well defined high shrub layer.

Primary Management concerns: Invasives.
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			
Pseudotsuga menziesii (Douglas fir)	20% to 50%		20-30"		
Acer circinatum (vine maple)	10% to 20%	Y			
Alnus rubra (red alder)	1% to 10%		10-20"		
Berberis nervosa (Oregon grape)	1% to 10%				
Corylus cornuta (western beaked hazelnut)	1% to 10%				
Oemleria cerasiformis (Indian-plum)	1% to 10%				
Galium aparine (cleavers)	trace				
Geranium robertianum (herb-Robert)	trace				
Geum urbanum (herb bennet)	trace				
Ilex aquafolium (English holly)	trace				

Lapsana communis (common nipplewort)	trace

Unit FP*128

Size: 7.86 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: Southeast
Notes:

Visit date: 8/12/2004
Ecological Health: Good.
% Tree canopy: 85%
% Non-Native Cover: 5
General Note:

Large concrete foundation at top of ridge in a clearing. This area is the main source of invasives, especially GERO.

Management Note:

Primary Management concerns: Invasives, Litter, Utility Infrastructure.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"		
Alnus rubra (red alder)	20% to 50%	Y	10-20"		
Polystichum munitum (sword fern)	20% to 50%	Y			
Acer circinatum (vine maple)	10% to 20%	Y			
Berberis nervosa (Oregon grape)	10% to 20%	Y			
Pseudotsuga menziesii (Douglas fir)	10% to 20%		20-30"		
Rubus parviflorus (thimbleberry)	10% to 20%				
Thuja plicata (western red cedar)	1% to 10%		10-20"	Y	
Gaultheria shallon (salal)	1% to 10%				
Geranium robertianum (herb-Robert)	1% to 10%				
Holodiscus discolor (oceanspray)	1% to 10%				
Geum urbanum (herb bennet)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Rumex obtusifolius (bitter dock)	trace				

Unit FP*129

Size: 12.01 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: CES204.001 North Pacific Maritime Dry-Mesic Douglas-fir-Western Hemlock Forest
Landform: Side-hill, Middle 3rd
Slope: Extremely Steep (over 30%)
Aspect: Southeast

Notes:

Visit date: 7/19/2004

Ecological Health: Good.

% Tree canopy: 80%

% Non-Native Cover: trace

General Note:

Species of interest CONU, RIBR and LOCI

Management Note:

Weeds very few even along trail.

Eco Note:

Dense shrub layer. POMU less than normal, BENE more than normal.

Primary Management concerns: Invasives.

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"	Y	
Acer circinatum (vine maple)	20% to 50%	Y			
Polystichum munitum (sword fern)	20% to 50%				
Berberis nervosa (Oregon grape)	10% to 20%	Y			
Alnus rubra (red alder)	1% to 10%		10-20"		
Tsuga heterophylla (western hemlock)	1% to 10%		5-10"	Y	
Corylus cornuta (western beaked hazelnut)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Cornus nuttallii (Pacific dogwood)	trace		5-10"		
Galium aparine (cleavers)	trace				
Geranium robertianum (herb-Robert)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Lonicera ciliosa (western orange honeysuckle)	trace				
Ribes bracteosum (stink currant)	trace				
Rumex obtusifolius (bitter dock)	trace				

Unit FP*130

Size: 8.5 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, Middle 3rd

Slope: Extremely Steep (over 30%)

Aspect: Northeast

Notes:

Visit date: 7/19/2004

Ecological Health: Good.

% Tree canopy: 75%

% Non-Native Cover: trace

General Note:

Young conifer forest. Wildwood trail zigzags through unit.

Management Note:

Eco Note:

Older trees fire scarred. Good high shrub layer with creeks on both sides. Species of interest (honeysuckle?). ACMA3 regeneration in unit.

Wetland indicators: Streams.

Primary Management concerns: Invasives.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Pseudotsuga menziesii (Douglas fir)	50% to 75%	Y	20-30"		
Polystichum munitum (sword fern)	20% to 50%	Y			
Acer circinatum (vine maple)	10% to 20%	Y			
Tsuga heterophylla (western hemlock)	1% to 10%		10-20"	Y	
Acer macrophyllum (bigleaf maple)	1% to 10%		5-10"	Y	
Achlys triphylla (vanillaleaf)	1% to 10%				
Berberis nervosa (Oregon grape)	1% to 10%				
Holodiscus discolor (oceanspray)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Sorbus aucuparia (European mountain ash)	trace		0-5"		
Geranium robertianum (herb-Robert)	trace				
Geum urbanum (herb bennet)	trace				
Hypericum sp. (ornamental hypericum)	trace				
Lactuca muralis (wall lettuce)	trace				
Ranunculus repens (creeping buttercup)	trace				
Rumex obtusifolius (bitter dock)	trace				

Unit FP*131

Size: 38.24 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: Northeast

Notes:

Visit date: 7/19/2004

Ecological Health: Good.

% Tree canopy: 75%

% Non-Native Cover: 5

General Note:

Entered unit off Skyline using Firelane 2. Firelane 2 runs through middle of unit. Wildwood trail is the north boundary and a creek makes up the south.

Management Note:

Remove the few clumps of ILAQ in the interior and control weeds on firelane and trail.

Eco Note:

Older large trees had fire scars on them. There was a moderate amount of down wood and snags.

Wetland indicators: Streams, Hydrophilic Vegetation.

Primary Management concerns: Invasives.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Polystichum munitum (sword fern)	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	
Tsuga heterophylla (western hemlock)	1% to 10%		10-20"	Y	
Acer circinatum (vine maple)	1% to 10%				
Berberis nervosa (Oregon grape)	1% to 10%				
Geranium robertianum (herb-Robert)	1% to 10%				
Oemleria cerasiformis (Indian-plum)	1% to 10%				
Rubus parviflorus (thimbleberry)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				

Vaccinium parvifolum (red huckleberry)	1% to 10%		
Vancouveria hexandra (white inside-out-flower)	1% to 10%		
Abies grandis (grand fir)	trace	0-5"	Y
Cornus nuttallii (Pacific dogwood)	trace	0-5"	
Clematis vitalba (clematis)	trace		
Galium aparine (cleavers)	trace		
Geum urbanum (herb bennet)	trace		
Ilex aquafolium (English holly)	trace		
Lactuca muralis (wall lettuce)	trace		
Lapsana communis (common nipplewort)	trace		
Lilium columbianum (tiger-lily)	trace		
Plantago major (common plantain)	trace		
Rumex obtusifolius (bitter dock)	trace		

Unit FP*132

Size: 21.37 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, Upper 3rd
Slope: Extremely Steep (over 30%)
Aspect: Northwest
Notes:

Visit date: 7/19/2004

Ecological Health: Fair.
% Tree canopy: 80%
General Note:

Management Note:

Very weedy along Firelane 2 and Leif Erickson. Mowing has taken place along the maple trail recently.

Eco Note:

No dominant shrub. Shrubs sparse, just a few species.

Wetland indicators: Streams, Hydrophilic Vegetation.
Primary Management concerns: Invasives, Domestic Animals.
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			
Rubus spectabilis (salmonberry)	10% to 20%	Y			
Alnus rubra (red alder)	10% to 20%				
Pseudotsuga menziesii (Douglas fir)	1% to 10%		20-30"		
Thuja plicata (western red cedar)	1% to 10%		5-10"	Y	
Tsuga heterophylla (western hemlock)	1% to 10%		5-10"	Y	
Acer circinatum (vine maple)	1% to 10%				
Berberis nervosa (Oregon grape)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Prunella vulgaris ssp. lanceolata (lance selfhea	1% to 10%				
Rubus parviflorus (thimbleberry)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Stachys cooleyae (Cooley's hedgenettle)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Prunus avium (sweet pie cherry)	trace		0-5"		
Sorbus aucuparia (European mountain ash)	trace		0-5"		
Centaurium erythraea (European centaury)	trace				
Cirsium arvense (Canadian Thistle)	trace				
Clematis vitalba (clematis)	trace				
Daucus carota (Queen Anne's lace)	trace				
Erigeron annuus (annual eastern daisy Fleabane)	trace				
Galium aparine (cleavers)	trace				
Geranium robertianum (herb-Robert)	trace				
Geum urbanum (herb bennet)	trace				
Holcus lanatus (velvet grass)	trace				
Lapsana communis (common nipplewort)	trace				

Leucanthemum vulgare (oxeye daisy)	trace
Phalaris arundinacea (reed canarygrass)	trace
Plantago major (common plantain)	trace
Prunella vulgaris var. vulgaris (common selfheal	trace
Prunus emarginata (bitter cherry)	trace
Ranunculus repens (creeping buttercup)	trace
Rubus discolor (Himalayan blackberry)	trace
Rumex obtusifolius (bitter dock)	trace
Senecio jacobaea (tansy ragwort)	trace
Stellaria media (common chickweed)	trace
Trifolium dubium (suckling clover)	trace
Trifolium repens (common clover)	trace
Vicia disperma (European vetch)	trace
Vicia gigantea (giant black vetch)	trace

Unit FP*133

Size: 23.76 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: Southeast
Notes:

Visit date: 7/29/2004

Ecological Health: Good.
% Tree canopy: 70%
% Non-Native Cover: 5
General Note:

Unit is bounded by Leif Erickson Dr., Firelane 2, & Wildwood Trail.

Management Note:

Invasives are mostly along Leif Erickson Dr.

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

Primary Management concerns: Invasives.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"	Y	
Acer circinatum (vine maple)	20% to 50%	Y			
Polystichum munitum (sword fern)	20% to 50%	Y			
Rubus spectabilis (salmonberry)	20% to 50%	Y			
Pseudotsuga menziesii (Douglas fir)	10% to 20%		>30"	Y	
Alnus rubra (red alder)	1% to 10%		10-20"		
Thuja plicata (western red cedar)	1% to 10%		0-5"	Y	
Tsuga heterophylla (western hemlock)	1% to 10%		0-5"	Y	
Berberis nervosa (Oregon grape)	1% to 10%				
Tolmiea menziesii (piggy-back plant)	1% to 10%				
Anaphalis margaritacea (western pearly-everlasti	trace				
Cirsium vulgare (bull thistle)	trace				
Epilobium ciliatum ssp. watsonii (fringed willow	trace				
Erigeron annuus (annual eastern daisy Fleabane)	trace				
Geranium robertianum (herb-Robert)	trace				
Holcus lanatus (velvet grass)	trace				
Hypericum perforatum (common St. John's wort)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Leucanthemum vulgare (oxeye daisy)	trace				
Phalaris arundinacea (reed canarygrass)	trace				
Plantago major (common plantain)	trace				
Ranunculus repens (creeping buttercup)	trace				
Rubus discolor (Himalayan blackberry)	trace				
Rumex obtusifolius (bitter dock)	trace				

Streptopus amplexifolius (clasping-leaf twisted-	trace
Trifolium pratense (red clover)	trace

Unit FP*134

Size: 20.53 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: North

Visit date: 8/2/2004

Ecological Health: Good.
% Tree canopy: 75%
% Non-Native Cover: trace
General Note:

Firelane 1 runs along West side of unit.

Management Note:

ILAQ in interior. Remaining weeds along Firelane 1.

Eco Note:

Firelane 1 main source of weeds. Hardly any high shrub layer.

Wetland indicators: Hydrophilic Vegetation.
Primary Management concerns: Invasives.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"	Y	
Alnus rubra (red alder)	20% to 50%	Y	10-20"		
Berberis nervosa (Oregon grape)	20% to 50%	Y			
Polystichum munitum (sword fern)	20% to 50%	Y			
Thuja plicata (western red cedar)	1% to 10%		10-20"		
Achlys triphylla (vanillaleaf)	1% to 10%				
Montia sibirica (Siberian minerslettuce)	1% to 10%				
Osmorhiza chilensis (mountain sweet-cicely)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Abies grandis (grand fir)	trace		0-5"	Y	
Tsuga heterophylla (western hemlock)	trace		0-5"	Y	
Galium aparine (cleavers)	trace				
Geranium robertianum (herb-Robert)	trace				
Geum urbanum (herb bennet)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Plantago major (common plantain)	trace				
Prunella vulgaris var. vulgaris (common selfheal	trace				
Ranunculus repens (creeping buttercup)	trace				
Rumex obtusifolius (bitter dock)	trace				

Unit FP*135

Size: 26.96 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: North
Notes:

Visit date: 7/29/2004
Ecological Health: Good.
% Tree canopy: 75%
% Non-Native Cover: trace
General Note:
Unit is bounded by creeks converging on 2 sides and a ridge on the South.
Management Note:
Very few invasives. Gave Ecohealth rating a 2 instead of a 1 because several large ILAQ bushes were spotted.
Wetland indicators: Streams, Hydrophilic Vegetation, Saturated Soils, Standing Flowing Water.
Primary Management concerns: Invasives, Litter, Vandalism, Informal Trails.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Alnus rubra (red alder)	20% to 50%	Y	20-30"		
Acer circinatum (vine maple)	20% to 50%	Y			
Polystichum munitum (sword fern)	20% to 50%	Y			
Rubus spectabilis (salmonberry)	20% to 50%	Y			
Acer macrophyllum (bigleaf maple)	20% to 50%		20-30"	Y	
Pseudotsuga menziesii (Douglas fir)	1% to 10%		20-30"		
Prunus emarginata (bitter cherry)	1% to 10%		10-20"		
Tsuga heterophylla (western hemlock)	1% to 10%		10-20"	Y	
Athyrium filix-femina (ladyfern)	1% to 10%				
Rubus parviflorus (thimbleberry)	1% to 10%				
Thuja plicata (western red cedar)	1% to 10%			Y	
Abies grandis (grand fir)	trace		5-10"	Y	
Ilex aquafolium (English holly)	trace				
Lonicera ciliosa (western orange honeysuckle)	trace				
Oxalis oregana (Oregon woodsorrel)	trace				
Ribes bracteosum (stink currant)	trace				
Rumex obtusifolius (bitter dock)	trace				

Unit FP*136

Size: 37.38 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, Middle 3rd
Slope: Extremely Steep (over 30%)
Aspect: Northeast
Notes:

Visit date: 7/29/2004
Ecological Health: Healthy.
% Tree canopy: 85%
% Non-Native Cover: trace
General Note:

Unit is bounded by creeks and the boundary of Forest Park. No roads, just Wildwood goes through the middle of the unit, and Chestnut trail goes through bottom (NW) of unit.

Management Note:

Gave Ecohealth a 1 because only 1 small ILAQ bush was spotted and the plant diversity and layering is quite complex in this unit. There is a varied and prevalent high shrub layer. There is also high tree species / size diversity.

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

Primary Management concerns: Invasives, Litter, Mountain Bike Impact, Informal Trails.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	>30"		
Acer circinatum (vine maple)	20% to 50%	Y			
Polystichum munitum (sword fern)	20% to 50%	Y			
Rubus spectabilis (salmonberry)	20% to 50%	Y			
Tsuga heterophylla (western hemlock)	10% to 20%		20-30"	Y	
Acer macrophyllum (bigleaf maple)	10% to 20%		10-20"		
Alnus rubra (red alder)	1% to 10%		10-20"		
Thuja plicata (western red cedar)	1% to 10%		5-10"	Y	
Athyrium filix-femina (ladyfern)	1% to 10%				
Berberis nervosa (Oregon grape)	1% to 10%				
Rubus parviflorus (thimbleberry)	1% to 10%				
Tolmiea menziesii (piggy-back plant)	1% to 10%				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Plantago major (common plantain)	trace				

Unit FP*137

Size: 14.97 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, Upper 3rd
Slope: Extremely Steep (over 30%)
Aspect: East
Notes:

Visit date: 8/18/2004

Ecological Health: Good.
% Tree canopy: 75%
% Non-Native Cover: trace
General Note:

Management Note:

Unit has a well maintained informal trail along the ridge that leads to a private gate.

Eco Note:

On the hilltop in the SW corner of the unit is a patch with large cottonwoods, snowberry and Douglas fir regeneration.

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

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	
Alnus rubra (red alder)	20% to 50%	Y	10-20"		
Berberis nervosa (Oregon grape)	20% to 50%	Y			

Polystichum munitum (sword fern)	20% to 50%	Y		
Acer circinatum (vine maple)	10% to 20%	Y		
Pseudotsuga menziesii (Douglas fir)	1% to 10%		5-10"	Y
Thuja plicata (western red cedar)	1% to 10%		5-10"	Y
Tsuga heterophylla (western hemlock)	1% to 10%		5-10"	Y
Achlys triphylla (vanillaleaf)	1% to 10%			
Corylus cornuta (western beaked hazelnut)	1% to 10%			
Ilex aquafolium (English holly)	1% to 10%			
Smilacina stellata (starry false-Solomon's seal)	1% to 10%			
Vaccinium parvifolum (red huckleberry)	1% to 10%			
Sorbus aucuparia (European mountain ash)	trace		0-5"	
Crataegus monogyna (European hawthorn)	trace			
Geum urbanum (herb bennet)	trace			
Rumex obtusifolius (bitter dock)	trace			

Unit FP*138

Size: 11.72 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: East
Notes:

Visit date: 8/18/2004

Ecological Health: Good.
% Tree canopy: 65%
% Non-Native Cover: trace
General Note:

Wedge shaped unit with diverse tree tops and mixed canopy. There is a cabin with a pit toilet adjacent to unit. There is an old road in the unit.

Management Note:

Could very easily be an Ecohealth 1 with just a little intervention. ILAQ removal most pressing issue, also some patches of Galium aparine.

Eco Note:

Very diverse stand structure. Different species and canopy heights. Water in creek. Shrub layer healthy with multiple species.

Wetland indicators: Streams, Hydrophilic Vegetation, Saturated Soils, Standing Flowing Water.
Primary Management concerns: Invasives, Erosion.
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			
Alnus rubra (red alder)	20% to 50%		10-20"		
Pseudotsuga menziesii (Douglas fir)	10% to 20%	Y	20-30"	Y	
Acer circinatum (vine maple)	10% to 20%	Y			
Tsuga heterophylla (western hemlock)	1% to 10%		20-30"	Y	
Abies grandis (grand fir)	1% to 10%		0-5"	Y	
Thuja plicata (western red cedar)	1% to 10%		0-5"	Y	
Corylus cornuta (western beaked hazelnut)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Dryopteris expansa (spiny spreading Woodfern)	trace				
Galium aparine (cleavers)	trace				

Unit FP*139

Size: 11.43 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: North
Notes:

Visit date: 8/17/2004

Ecological Health: Fair.
% Tree canopy: 75%
% Non-Native Cover: 25
General Note:

Old home site in unit with driveway/entrance road. Unit was off Thompson before Skyline.

Management Note:

Remove invasive in open areas and forest edges. Restore building sites.

Eco Note:

Creek area of unit healthy with diverse vegetation. Area to the east of the unit is a standing dead ACMA/ALRU forest. A few conifers are still standing and are healthy. The shrub layer looked healthy and diverse with few invasives some ILAQ.

Primary Management concerns: Invasives, Soil Compaction, Litter, Yard Debris, 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)	50% to 75%	Y			
Alnus rubra (red alder)	10% to 20%		10-20"	Y	
Acer circinatum (vine maple)	1% to 10%	Y			
Pseudotsuga menziesii (Douglas fir)	1% to 10%		20-30"		
Tsuga heterophylla (western hemlock)	1% to 10%		0-5"	Y	
Disporum hookeri (Hooker's fairybells)	1% to 10%				
Oemleria cerasiformis (Indian-plum)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Rubus laciniatus (evergreen blackberry)	1% to 10%				
Thuja plicata (western red cedar)	trace		0-5"	Y	
Cichorium intybus (chicory)	trace				
Cirsium vulgare (bull thistle)	trace				
Crataegus monogyna (European hawthorn)	trace				
Daucus carota (Queen Anne's lace)	trace				
Galium aparine (cleavers)	trace				
Geranium robertianum (herb-Robert)	trace				
Geum urbanum (herb bennet)	trace				
Hedera helix (English ivy)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Leucanthemum vulgare (oxeye daisy)	trace				
Melissa officinalis (lemon balm)	trace				
Plantago major (common plantain)	trace				
Prunus laurocerasus (English laurel)	trace				
Ranunculus repens (creeping buttercup)	trace				
Rosa multiflora (multiflora rose)	trace				
Rumex obtusifolius (bitter dock)	trace				
Senecio jacobaea (tansy ragwort)	trace				

Unit FP*140

Size: 29.10 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, Upper 3rd
Slope: Extremely Steep (over 30%)
Aspect: Southeast
Notes:

Visit date: 8/5/2004
Ecological Health: Good.
% Tree canopy: 75%
General Note:
Unit is bordered by a creek at the bottom, a ridge at the top, Leif Erickson Drive on the east, and the park boundary on the west.
Species of interest are ARME and PREM.
Management Note:
RUDI and CLVI moving into unit in one location on Leif Erickson drive.
Eco Note:
Landslide covered with ERAN on Wildwood Trail.
Wetland indicators: Streams, Hydrophilic Vegetation.
Primary Management concerns: Invasives, Erosion, 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			
Pseudotsuga menziesii (Douglas fir)	20% to 50%		20-30"		
Alnus rubra (red alder)	20% to 50%		10-20"		
Acer circinatum (vine maple)	10% to 20%	Y			
Berberis nervosa (Oregon grape)	10% to 20%	Y			
Vancouveria hexandra (white inside-out-flower)	10% to 20%				
Arbutus menziesii (Pacific madrone)	1% to 10%		5-10"		
Salix scouleriana (Scouler's willow)	1% to 10%		0-5"		
Gaultheria shallon (salal)	1% to 10%				
Rubus parviflorus (thimbleberry)	1% to 10%				
Rubus ursinus (trailing blackberry)	1% to 10%				
Prunus emarginata (bitter cherry)	trace		5-10"		
Clematis vitalba (clematis)	trace				
Corylus avellana (common filbert)	trace				
Crataegus monogyna (European hawthorn)	trace				
Geranium robertianum (herb-Robert)	trace				
Geum urbanum (herb bennet)	trace				
Hypericum perforatum (common St. John's wort)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Leucanthemum vulgare (oxeye daisy)	trace				
Lonicera ciliosa (western orange honeysuckle)	trace				
Plantago major (common plantain)	trace				
Prunella vulgaris var. vulgaris (common selfheal	trace				
Ranunculus repens (creeping buttercup)	trace				
Rubus discolor (Himalayan blackberry)	trace				
Rumex obtusifolius (bitter dock)	trace				

Unit FP*141

Size: 20.90 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: 8/5/2004

Ecological Health: Good.
% Tree canopy: 75%
% Non-Native Cover: 5
General Note:

Unit consists of many side ridges that face mostly north.
Cleared area under powerlines dominated with ACCI and COCO.
Some areas have been newly cleared of large (20+ inch DBH) ACMAs and ALRU's. Wildwood Trail runs through western portion of the unit; Leif Erickson runs along northern and eastern border.

Management Note:

Weeds heaviest along roads and trails and under powerlines.

Wetland indicators: Streams, Hydrophilic Vegetation.
Primary Management concerns: Invasives, Utility Infrastructure.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Polystichum munitum (sword fern)	50% to 75%	Y			
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"	Y	
Alnus rubra (red alder)	20% to 50%	Y	10-20"	Y	
Acer circinatum (vine maple)	1% to 10%	Y			
Pseudotsuga menziesii (Douglas fir)	1% to 10%		10-20"	Y	
Adiantum pedatum (maidenhair fern)	1% to 10%				
Athyrium filix-femina (ladyfern)	1% to 10%				
Galium aparine (cleavers)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Sorbus aucuparia (European mountain ash)	trace		0-5"	Y	
Tsuga heterophylla (western hemlock)	trace		0-5"	Y	
Cirsium arvense (Canadian Thistle)	trace				
Geranium robertianum (herb-Robert)	trace				
Geum urbanum (herb bennet)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Plantago major (common plantain)	trace				
Ranunculus repens (creeping buttercup)	trace				
Rumex obtusifolius (bitter dock)	trace				
Senecio jacobaea (tansy ragwort)	trace				
Solidago canadensis (Canada meadow goldenrod)	trace				

Unit FP*142

Size: 12.30 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: Southeast
Notes:

Visit date: 8/5/2004

Ecological Health: Good.

% Tree canopy: 70%

% Non-Native Cover: trace

General Note:

This unit contains much more alder than typical for deciduous units in Forest Park.

Management Note:

Eco Note:

Not many invasives. GAAP covering large open patches in between POMU and BENE.

Wetland indicators: Streams.

Primary Management concerns: Invasives, Mountain Bike Impact.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"	Y	
Alnus rubra (red alder)	20% to 50%	Y	10-20"		
Polystichum munitum (sword fern)	20% to 50%	Y			
Berberis nervosa (Oregon grape)	10% to 20%	Y			
Acer circinatum (vine maple)	10% to 20%				
Pseudotsuga menziesii (Douglas fir)	1% to 10%		10-20"		
Athyrium filix-femina (ladyfern)	1% to 10%				
Galium aparine (cleavers)	1% to 10%				
Rubus parviflorus (thimbleberry)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Rubus ursinus (trailing blackberry)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Geum urbanum (herb bennet)	trace				
Ilex aquafolium (English holly)	trace				
Lapsana communis (common nipplewort)	trace				
Rumex obtusifolius (bitter dock)	trace				

Unit FP*143

Size: 9.84 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: 8/2/2004

Ecological Health: Fair.

% Tree canopy: 75%

% Non-Native Cover: 10

General Note:

Powerline runs along north edge of unit- Saltzman Rd. borders west edge. Species of interest PREM, COMA and CASC.

Management Note:

Invasives are most prevalent along powerline and Saltzman, numbers dramatically decrease in interior.

Eco Note:

Unit is a west facing slope, with several small ravines topping out on the east side onto a ridge. Forb and shrub diversity is high, although stand structure is poor due to the young age of the stand and small populations of high shrubs.

Wetland indicators: Streams.

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			
Rubus ursinus (trailing blackberry)	10% to 20%	Y			
Alnus rubra (red alder)	1% to 10%		10-20"		
Thuja plicata (western red cedar)	1% to 10%		0-5"	Y	
Tsuga heterophylla (western hemlock)	1% to 10%		0-5"	Y	
Acer circinatum (vine maple)	1% to 10%				
Achlys triphylla (vanillaleaf)	1% to 10%				
Asarum caudatum (wild ginger)	1% to 10%				
Berberis nervosa (Oregon grape)	1% to 10%				
Gaultheria shallon (salal)	1% to 10%				
Rosa gymnocarpa (dwarf wood rose)	1% to 10%				
Smilacina stellata (starry false-Solomon's seal)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Prunus emarginata (bitter cherry)	trace		0-5"		
Sorbus aucuparia (European mountain ash)	trace		0-5"		
Campanula scouleri (Scouler's bellflower)	trace				
Centaurium erythraea (European centaury)	trace				
Corallorhiza maculata (Pacific Coral-root)	trace				
Cytisus scoparius (Scot's broom)	trace				
Festuca arundinacea (tall fescue)	trace				
Galium aparine (cleavers)	trace				
Geranium robertianum (herb-Robert)	trace				
Hedera helix (English ivy)	trace				
Holcus lanatus (velvet grass)	trace				
Hypericum perforatum (common St. John's wort)	trace				
Hypochaeris radicata (hairy cats-ear)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Leucanthemum vulgare (oxeye daisy)	trace				
Plantago major (common plantain)	trace				
Ranunculus repens (creeping buttercup)	trace				
Rubus discolor (Himalayan blackberry)	trace				
Rumex obtusifolius (bitter dock)	trace				
Senecio jacobaea (tansy ragwort)	trace				
Solanum dulcamara (bittersweet nightshade)	trace				
Taraxacum officinale (common dandelion)	trace				
Trifolium pratense (red clover)	trace				
Trifolium repens (common clover)	trace				
Vicia gigantea (giant black vetch)	trace				

Unit FP*144

Size: 1.75 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, Upper 3rd

Slope: Extremely Steep (over 30%)

Aspect: Southeast

Notes:

Visit date: 7/27/2004

Ecological Health: Poor.

% Tree canopy: 20%

% Non-Native Cover: 50

General Note:

This unit is a powerline right of way extending east from Saltzman Rd. to Leif Erickson Dr.

Management Note:

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

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Corylus avellana (common filbert)	20% to 50%	Y			
Polystichum munitum (sword fern)	20% to 50%	Y			
Rubus parviflorus (thimbleberry)	10% to 20%	Y			
Cytisus scoparius (Scot's broom)	1% to 10%				
Epilobium angustifolium (fireweed)	1% to 10%				
Pteridium aquilinum (bracken fern)	1% to 10%				
Pseudotsuga menziesii (Douglas fir)	trace		0-5"	Y	
Anaphalis margaritacea (western pearly-everlasti	trace				
Cirsium arvense (Canadian Thistle)	trace				
Erigeron annuus (annual eastern daisy Fleabane)	trace				
Holcus lanatus (velvet grass)	trace				
Hypericum perforatum (common St. John's wort)	trace				
Leucanthemum vulgare (oxeye daisy)	trace				
Lotus corniculatus (birdsfoot trefoil)	trace				
Phalaris arundinacea (reed canarygrass)	trace				
Rumex obtusifolius (bitter dock)	trace				
Solidago canadensis (Canada meadow goldenrod)	trace				

Unit FP*145

Size: 23.70 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, Upper 3rd

Slope: Extremely Steep (over 30%)

Aspect: East

Notes:

Visit date: 7/23/2004

Ecological Health: Good.

% Tree canopy: 85%

% Non-Native Cover: trace

General Note:

Unit is banded on the north and the south by two different powerline rows. Leif Erickson on the east and a ridge on the west.

Management Note:

Eco Note:

Young conifer stands mixed with ACMA and ALRU.

Wetland indicators: Streams.

Primary Management concerns: Invasives, Litter.

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"	Y	
Polystichum munitum (sword fern)	20% to 50%	Y			
Berberis nervosa (Oregon grape)	10% to 20%				
Alnus rubra (red alder)	1% to 10%		10-20"		
Achlys triphylla (vanillaleaf)	1% to 10%				
Asarum caudatum (wild ginger)	1% to 10%				
Disporum hookeri (Hooker's fairybells)	1% to 10%				
Smilacina stellata (starry false-Solomon's seal)	1% to 10%				

Vaccinium parvifolum (red huckleberry)	1% to 10%		
Vancouveria hexandra (white inside-out-flower)	1% to 10%		
Thuja plicata (western red cedar)	trace	0-5"	Y
Galium aparine (cleavers)	trace		
Geranium robertianum (herb-Robert)	trace		
Lactuca muralis (wall lettuce)	trace		
Lapsana communis (common nipplewort)	trace		
Rumex obtusifolius (bitter dock)	trace		

Unit FP*146

Size: 3.84 Acres
NVCS Class: Forest
NVCS Subclass: Evergreen forest
NVCS Group: Temperate needle-leaved evergreen forest
NVCS SubGroup: Natural / Semi-natural
NVCS Ecological System: CES204.001 North Pacific Maritime Dry-Mesic Douglas-fir-Western Hemlock Forest
Landform: Side-hill, Middle 3rd
Slope: Extremely Steep (over 30%)
Aspect: East
Notes:

Visit date: 7/27/2004
Ecological Health: Fair.
% Tree canopy: 80%
% Non-Native Cover: 10
General Note:
Bottom of unit (east) is Leif Erickson Dr., top of unit (west) is powerline Right of Way.
Management Note:
We gave Ecohealth a 3 despite low level of invasives because 3 dangerous invasives were present: HEHE, RUDI, ILAQ.
Eco Note:
Unit has a general lack of high shrubs.
Wetland indicators: Streams.
Primary Management concerns: Invasives.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	10-20"		
Gaultheria shallon (salal)	20% to 50%	Y			
Polystichum munitum (sword fern)	20% to 50%	Y			
Acer macrophyllum (bigleaf maple)	20% to 50%		10-20"	Y	
Alnus rubra (red alder)	20% to 50%		10-20"		
Berberis nervosa (Oregon grape)	10% to 20%				
Rubus ursinus (trailing blackberry)	10% to 20%				
Acer circinatum (vine maple)	1% to 10%				
Lactuca muralis (wall lettuce)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Abies grandis (grand fir)	trace		0-5"	Y	
Geranium robertianum (herb-Robert)	trace				
Hedera helix (English ivy)	trace				
Ilex aquafolium (English holly)	trace				
Ranunculus repens (creeping buttercup)	trace				
Rubus discolor (Himalayan blackberry)	trace				

Unit FP*147

Size: 8.75 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, Upper 3rd
Slope: Extremely Steep (over 30%)
Aspect: East
Notes:

Visit date: 7/27/2004
Ecological Health: Good.
% Tree canopy: 80%
% Non-Native Cover: 5
General Note:
Unit is bounded on the East by Leif Erickson Rd, and a ridge on the West.
Management Note:

Wetland indicators: Streams.
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"	Y	
Polystichum munitum (sword fern)	20% to 50%	Y			
Alnus rubra (red alder)	1% to 10%		10-20"	Y	
Thuja plicata (western red cedar)	1% to 10%		5-10"	Y	
Gaultheria shallon (salal)	1% to 10%				
Lactuca muralis (wall lettuce)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Tsuga heterophylla (western hemlock)	trace		5-10"	Y	
Abies grandis (grand fir)	trace		0-5"	Y	
Prunus avium (sweet pie cherry)	trace		0-5"	Y	
Alliaria petiolata (garlic mustard)	trace				
Cirsium vulgare (bull thistle)	trace				
Cytisus scoparius (Scot's broom)	trace				
Galium aparine (cleavers)	trace				
Geranium robertianum (herb-Robert)	trace				
Glecoma hederacea (Ground-ivy)	trace				
Hedera helix (English ivy)	trace				
Ilex aquafolium (English holly)	trace				
Lapsana communis (common nipplewort)	trace				
Phalaris arundinacea (reed canarygrass)	trace				
Ranunculus repens (creeping buttercup)	trace				
Rubus discolor (Himalayan blackberry)	trace				
Rumex obtusifolius (bitter dock)	trace				

Unit FP*148

Size: 6.75 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, Upper 3rd
Slope: Extremely Steep (over 30%)
Aspect: Northwest
Notes:

Visit date: 7/27/2004

Ecological Health: Good.

% Tree canopy: 80%

% Non-Native Cover: 5

General Note:

Saltzman Rd. is on NW edge of unit. A powerline right of way is on SW edge of unit, and a ridge forms the SE edge of the unit.

Management Note:

Wetland indicators: Hydrophilic Vegetation.

Primary Management concerns: Invasives, 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	10-20"	Y	
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	10-20"		
Berberis nervosa (Oregon grape)	10% to 20%	Y			
Corylus cornuta (western beaked hazelnut)	1% to 10%	Y			
Prunus emarginata (bitter cherry)	1% to 10%		10-20"		
Abies grandis (grand fir)	1% to 10%		5-10"	Y	
Alnus rubra (red alder)	1% to 10%		5-10"		
Achlys triphylla (vanillaleaf)	1% to 10%				
Gaultheria shallon (salal)	1% to 10%				
Rubus ursinus (trailing blackberry)	1% to 10%				
Smilacina stellata (starry false-Solomon's seal)	1% to 10%				
Cytisus scoparius (Scot's broom)	trace				
Daucus carota (Queen Anne's lace)	trace				
Geranium robertianum (herb-Robert)	trace				
Holcus lanatus (velvet grass)	trace				
Hypericum perforatum (common St. John's wort)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Leucanthemum vulgare (oxeye daisy)	trace				
Plantago major (common plantain)	trace				
Ranunculus repens (creeping buttercup)	trace				
Rubus discolor (Himalayan blackberry)	trace				
Rumex obtusifolius (bitter dock)	trace				
Senecio jacobaea (tansy ragwort)	trace				
Stachys cooleyae (Cooley's hedgenettle)	trace				
Taraxacum officinale (common dandelion)	trace				

Unit FP*149

Size: 6.13 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: CES204.002 North Pacific Maritime Wet-Mesic Douglas-fir-Western Hemlock Forest

Landform: Side-hill, Middle 3rd

Slope: Extremely Steep (over 30%)

Aspect: Northwest

Notes:

Visit date: 7/27/2004

Ecological Health: Fair.

% Tree canopy: 75%

% Non-Native Cover: 15

General Note:

Very thin unit between Saltzman Rd. and Leif Erickson Rd.

Management Note:

Invasives mostly associated with the roads.

Eco Note:

Arbutus menziesii in this unit.

Large Rhamnus purshiana in this unit.

Primary Management concerns: Invasives, Hardscape Infrastructure.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Polystichum munitum (sword fern)	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	
Acer circinatum (vine maple)	20% to 50%	Y			
Alnus rubra (red alder)	10% to 20%		10-20"		
Thuja plicata (western red cedar)	1% to 10%		0-5"	Y	
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Abies grandis (grand fir)	trace		0-5"	Y	
Prunus avium (sweet pie cherry)	trace		0-5"	Y	
Sorbus aucuparia (European mountain ash)	trace		0-5"		
Tsuga heterophylla (western hemlock)	trace		0-5"	Y	
Cirsium arvense (Canadian Thistle)	trace				
Corylus avellana (common filbert)	trace				
Daucus carota (Queen Anne's lace)	trace				
Epilobium ciliatum (willowherb)	trace				
Geranium robertianum (herb-Robert)	trace				
Geum urbanum (herb bennet)	trace				
Hedera helix (English ivy)	trace				
Holcus lanatus (velvet grass)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Leucanthemum vulgare (oxeye daisy)	trace				
Phalaris arundinacea (reed canarygrass)	trace				
Plantago major (common plantain)	trace				
Prunus laurocerasus (English laurel)	trace				
Ranunculus repens (creeping buttercup)	trace				
Rubus discolor (Himalayan blackberry)	trace				
Rumex obtusifolius (bitter dock)	trace				
Senecio jacobaea (tansy ragwort)	trace				
Taraxacum officinale (common dandelion)	trace				
Trifolium pratense (red clover)	trace				

Unit FP*150

Size: 2.49 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: Southeast

Notes:

Visit date: 7/27/2004

Ecological Health: Poor.

% Tree canopy: 20%

% Non-Native Cover: 50

General Note:

This unit is a powerline right of way extending from Saltzman Rd. SE to Leif Erickson Dr.

Management Note:

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

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Corylus avellana (common filbert)	20% to 50%	Y			
Polystichum munitum (sword fern)	20% to 50%	Y			
Rubus parviflorus (thimbleberry)	20% to 50%	Y			
Rubus discolor (Himalayan blackberry)	10% to 20%				
Alnus rubra (red alder)	1% to 10%		5-10"	Y	
Pseudotsuga menziesii (Douglas fir)	1% to 10%		5-10"	Y	
Cytisus scoparius (Scot's broom)	1% to 10%				
Pteridium aquilinum (bracken fern)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Anaphalis margaritacea (western pearly-everlasti	trace				
Cirsium arvense (Canadian Thistle)	trace				
Epilobium angustifolium (fireweed)	trace				
Erigeron annuus (annual eastern daisy Fleabane)	trace				
Geranium robertianum (herb-Robert)	trace				
Geum urbanum (herb bennet)	trace				
Holcus lanatus (velvet grass)	trace				
Hypericum perforatum (common St. John's wort)	trace				
Leucanthemum vulgare (oxeye daisy)	trace				
Lotus corniculatus (birdsfoot trefoil)	trace				
Phalaris arundinacea (reed canarygrass)	trace				
Rumex obtusifolius (bitter dock)	trace				
Solidago canadensis (Canada meadow goldenrod)	trace				

Unit FP*151

Size: 8.68 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: 7/23/2004

Ecological Health: Fair.
% Tree canopy: 80%
% Non-Native Cover: 15
General Note:

Young stand dominated by PSME south of Saltzman. Wildwood trail runs through unit.

Management Note:

Remove ILAQ clumps from interior.

Eco Note:

GASH on top of ridge, other tall shrubs lacking. Unit consisted of young PSME with an understory of POMU. Most shrubs in drainage.

Primary Management concerns: Invasives.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Polystichum munitum (sword fern)	50% to 75%	Y			
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	10-20"		
Acer macrophyllum (bigleaf maple)	10% to 20%		10-20"	Y	
Berberis nervosa (Oregon grape)	1% to 10%				
Geranium robertianum (herb-Robert)	1% to 10%				
Lactuca muralis (wall lettuce)	1% to 10%				
Geum urbanum (herb bennet)	trace				
Hedera helix (English ivy)	trace				
Ilex aquafolium (English holly)	trace				
Lapsana communis (common nipplewort)	trace				
Plantago major (common plantain)	trace				
Ranunculus repens (creeping buttercup)	trace				

Rumex obtusifolius (bitter dock)	trace

Unit FP*152

Size: 12.03 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: Northwest
Notes:

Visit date: 7/23/2004
Ecological Health: Fair.
% Tree canopy: 75%
General Note:
Unit is banded by Saltzman Rd. on the east and a creek on the west. Wildwood runs through middle of unit.
Management Note:
Most invasive were found on the Wildwood trail and Saltzman.
Eco Note:

Wetland indicators: Streams, Hydrophilic Vegetation, Saturated Soils, Standing Flowing Water.
Primary Management concerns: Invasives, Litter, Mountain Bike Impact.
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			
Pseudotsuga menziesii (Douglas fir)	10% to 20%	Y	20-30"	Y	
Alnus rubra (red alder)	1% to 10%		5-10"	Y	
Tsuga heterophylla (western hemlock)	1% to 10%		0-5"	Y	
Acer circinatum (vine maple)	1% to 10%				
Geranium robertianum (herb-Robert)	1% to 10%				
Lactuca muralis (wall lettuce)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Sorbus aucuparia (European mountain ash)	trace		0-5"		
Thuja plicata (western red cedar)	trace		0-5"	Y	
Actaea rubra (red baneberry)	trace				
Cirsium arvense (Canadian Thistle)	trace				
Convolvulus arvensis (morning glory)	trace				
Dactylis glomerata (orchard grass)	trace				
Geum urbanum (herb bennet)	trace				
Hedera helix (English ivy)	trace				
Holcus lanatus (velvet grass)	trace				
Hypericum perforatum (common St. John's wort)	trace				
Ilex aquafolium (English holly)	trace				
Lapsana communis (common nipplewort)	trace				
Leucanthemum vulgare (oxeye daisy)	trace				
Phalaris arundinacea (reed canarygrass)	trace				
Plantago major (common plantain)	trace				
Ranunculus repens (creeping buttercup)	trace				
Rubus discolor (Himalayan blackberry)	trace				
Rumex obtusifolius (bitter dock)	trace				
Senecio jacobaea (tansy ragwort)	trace				
Streptopus amplexifolius (clasping-leaf twisted-	trace				
Taraxacum officinale (common dandelion)	trace				
Trifolium pratense (red clover)	trace				
Trifolium repens (common clover)	trace				

Unit FP*153

Size: 6.23 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: North
Notes:

Visit date: 8/2/2004

Ecological Health: Fair.
% Tree canopy: 70%
% Non-Native Cover: 20
General Note:

Unit was north of Saltzman Rd. and extended down to creek. It has very steep slopes and is a young forest.

Management Note:

Southeast corner of unit was a sharp bend that had a high number of invasives. There was some COSES and ALRU regeneration.

Eco Note:

Steep sloped unit with highly disturbed edges, some down wood and snags.

Wetland indicators: Streams, Hydrophilic Vegetation.
Primary Management concerns: Invasives, Litter.
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			
Rubus ursinus (trailing blackberry)	10% to 20%	Y			
Alnus rubra (red alder)	10% to 20%		10-20"		
Pseudotsuga menziesii (Douglas fir)	1% to 10%		10-20"	Y	
Acer circinatum (vine maple)	1% to 10%				
Holodiscus discolor (oceanspray)	1% to 10%				
Montia sibirica (Siberian minerslettuce)	1% to 10%				
Ranunculus repens (creeping buttercup)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Rumex obtusifolius (bitter dock)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Prunus emarginata (bitter cherry)	trace		5-10"		
Thuja plicata (western red cedar)	trace		5-10"	Y	
Arctium minus (lesser burdock)	trace				
Cirsium vulgare (bull thistle)	trace				
Cornus sericea ssp. sericea (red-osier dogwood)	trace				
Geranium robertianum (herb-Robert)	trace				
Geum urbanum (herb bennet)	trace				
Glecoma hederacea (Ground-ivy)	trace				
Holcus lanatus (velvet grass)	trace				
Lactuca muralis (wall lettuce)	trace				
Lactuca serriola (Lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Leucanthemum vulgare (oxeye daisy)	trace				
Plantago major (common plantain)	trace				
Senecio jacobaea (tansy ragwort)	trace				
Taraxacum officinale (common dandelion)	trace				

Unit FP*154

Size: 41.36 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: North
Notes:

Visit date: 8/18/2004

Ecological Health: Fair.
% Tree canopy: 70%
% Non-Native Cover: 5
General Note:

Unit is bordered by Saltzman Road on the north and a powerline strip on the south. Species of Interest: QUGA, LICO, CONU.

Management Note:

Invasive cover is constricted to the edges --roads and powerline.

Eco Note:

Unit is a series of ravines all trending north. High shrub layer is insignificant but diverse. Soil is exposed in several areas with vegetation composed of only herbs. One ephemeral stream runs through the northwest section of the unit. Dominated by a deciduous canopy that is fairly open, the stand is unique in that it lacks structure.

Wetland indicators: Streams.
Primary Management concerns: Invasives, Litter, Homeless Camp, Informal Trails.
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%				
Berberis nervosa (Oregon grape)	10% to 20%	Y			
Pseudotsuga menziesii (Douglas fir)	1% to 10%		20-30"	Y	
Alnus rubra (red alder)	1% to 10%		10-20"		
Tsuga heterophylla (western hemlock)	1% to 10%		10-20"	Y	
Abies grandis (grand fir)	1% to 10%		0-5"	Y	
Acer circinatum (vine maple)	1% to 10%				
Clematis vitalba (clematis)	1% to 10%				
Gaultheria shallon (salal)	1% to 10%				
Oemleria cerasiformis (Indian-plum)	1% to 10%				
Rhamnus purshiana (cascara)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Rubus parviflorus (thimbleberry)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Cornus nuttallii (Pacific dogwood)	trace		0-5"		
Quercus garryana (Oregon white oak)	trace		0-5"		
Sorbus aucuparia (European mountain ash)	trace		0-5"		
Alliaria petiolata (garlic mustard)	trace				
Arctium minus (lesser burdock)	trace				
Cirsium vulgare (bull thistle)	trace				
Convolvulus arvensis (morning glory)	trace				
Daucus carota (Queen Anne's lace)	trace				
Galium aparine (cleavers)	trace				
Geranium robertianum (herb-Robert)	trace				
Geum urbanum (herb bennet)	trace				
Glecoma hederacea (Ground-ivy)	trace				
Hedera helix (English ivy)	trace				
Hypochaeris radicata (hairy cats-ear)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Lilium columbianum (tiger-lily)	trace				
Melissa officinalis (lemon balm)	trace				
Plantago major (common plantain)	trace				
Prunella vulgaris var. vulgaris (common selfheal	trace				
Ranunculus repens (creeping buttercup)	trace				

Rumex obtusifolius (bitter dock)	trace
Senecio jacobaea (tansy ragwort)	trace
Solanum dulcamara (bittersweet nightshade)	trace
Taraxacum officinale (common dandelion)	trace
Trifolium repens (common clover)	trace

Unit FP*155

Size: 21.47 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: North
Notes:

Visit date: 8/18/2004

Ecological Health: Fair.
% Tree canopy: 75%
% Non-Native Cover: 10
General Note:

Unit is bordered by Saltzman Road on the south and St. Helens on the east. The Maple Trail runs through the western portion of the unit. Species of Interest: TABR.

Management Note:

Invasives, especially CLVI and HEHE, are very heavy along Saltzman and St. Helens. The Maple Trail has mainly invasive forbs along its length.

Eco Note:

Unit is a very steep slope facing north--dissected by an ephemeral stream and bordered by a perennial stream on the north edge. Industrial noise from St. Helens can be heard throughout unit. Native plant diversity is moderate, but stand structure is good due to a significant high shrub layer and coniferous regeneration.

Wetland indicators: Streams, Hydrophilic Vegetation, Saturated Soils, Standing Flowing Water.
Primary Management concerns: Invasives, Informal Trails.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"		
Tsuga heterophylla (western hemlock)	20% to 50%	Y	10-20"		
Polystichum munitum (sword fern)	20% to 50%	Y			
Acer circinatum (vine maple)	10% to 20%	Y			
Berberis nervosa (Oregon grape)	10% to 20%	Y			
Pseudotsuga menziesii (Douglas fir)	10% to 20%		20-30"		
Thuja plicata (western red cedar)	1% to 10%		10-20"		
Clematis vitalba (clematis)	1% to 10%				
Corylus cornuta (western beaked hazelnut)	1% to 10%				
Hedera helix (English ivy)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Alliaria petiolata (garlic mustard)	trace				
Anthemis cotula (dogfennel)	trace				
Arctium minus (lesser burdock)	trace				
Cirsium arvense (Canadian Thistle)	trace				
Cirsium vulgare (bull thistle)	trace				
Convolvulus arvensis (morning glory)	trace				
Erigeron annuus (annual eastern daisy Fleabane)	trace				
Galium aparine (cleavers)	trace				
Geranium robertianum (herb-Robert)	trace				

Geum urbanum (herb bennet)	trace
Glecoma hederacea (Ground-ivy)	trace
Hesperis matronalis (Damask violet)	trace
Ilex aquafolium (English holly)	trace
Lactuca muralis (wall lettuce)	trace
Lapsana communis (common nipplewort)	trace
Leucanthemum vulgare (oxeye daisy)	trace
Lunaria annua (annual honesty)	trace
Melissa officinalis (lemon balm)	trace
Mentha xpiperita (peppermint)	trace
Plantago lanceolata (English narrowleaf buckhorn	trace
Plantago major (common plantain)	trace
Ranunculus repens (creeping buttercup)	trace
Rubus discolor (Himalayan blackberry)	trace
Rumex obtusifolius (bitter dock)	trace
Solanum dulcamara (bittersweet nightshade)	trace
Sonchus asper (spiny sowthistle)	trace
Taraxacum officinale (common dandelion)	trace

Unit FP*156

Size: 11.32 Acres
NVCS Class: Forest
NVCS Subclass: Evergreen forest
NVCS Group: Temperate needle-leaved evergreen forest
NVCS SubGroup: Natural / Semi-natural
NVCS Ecological System: CES204.001 North Pacific Maritime Dry-Mesic Douglas-fir-Western Hemlock Forest
Landform: Side-hill, Middle 3rd
Slope: Extremely Steep (over 30%)
Aspect: Northeast
Notes:

Visit date: 8/23/2004

Ecological Health: Fair.
% Tree canopy: 80%
% Non-Native Cover: 5
General Note:

Unit is comprised of a ridge with Saltzman Rd. at lower (north) end.

Management Note:

Few invasives in unit interior except ILAQ.
Species of interest include: CONU

Primary Management concerns: Invasives.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Pseudotsuga menziesii (Douglas fir)	50% to 75%	Y	20-30"		
Berberis nervosa (Oregon grape)	20% to 50%	Y			
Polystichum munitum (sword fern)	20% to 50%	Y			
Acer macrophyllum (bigleaf maple)	1% to 10%		10-20"	Y	
Alnus rubra (red alder)	1% to 10%		10-20"		
Abies grandis (grand fir)	1% to 10%		5-10"		
Thuja plicata (western red cedar)	1% to 10%		5-10"		
Ilex aquafolium (English holly)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Cornus nuttallii (Pacific dogwood)	trace		0-5"		
Sorbus aucuparia (European mountain ash)	trace		0-5"		
Clematis vitalba (clematis)	trace				
Geranium robertianum (herb-Robert)	trace				
Hedera helix (English ivy)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Melissa officinalis (lemon balm)	trace				
Plantago major (common plantain)	trace				
Ranunculus repens (creeping buttercup)	trace				
Rumex obtusifolius (bitter dock)	trace				

Unit FP*157

Size: 1.58 Acres
NVCS Class: Woodland
NVCS Subclass: Deciduous woodland
NVCS Group: Cold-deciduous woodland
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: 8/11/2004

Ecological Health: Poor.
% Tree canopy: 35%
% Non-Native Cover: 30
General Note:

Unit is a powerline ROW crossing a small creek. Large maple still remains in the creek bottom. Unit is bounded by Leif Erickson on each side. Species of Interest: OPHO.

Management Note:

Eco Note:

Heavily invaded by CLVI, RUDI on the banks below Leif Erickson. Lesser amounts of other invasives within the unit.

Wetland indicators: Streams, Hydrophilic Vegetation, Saturated Soils.
Primary Management concerns: Invasives, Utility Infrastructure.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"	Y	
Acer circinatum (vine maple)	1% to 10%				
Athyrium filix-femina (ladyfern)	1% to 10%				
Clematis vitalba (clematis)	1% to 10%				
Montia sibirica (Siberian minerslettuce)	1% to 10%				
Polystichum munitum (sword fern)	1% to 10%				
Pteridium aquilinum (bracken fern)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Rubus ursinus (trailing blackberry)	1% to 10%				
Salix sitchensis (Sitka willow)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Cirsium arvense (Canadian Thistle)	trace				
Corylus avellana (common filbert)	trace				
Daucus carota (Queen Anne's lace)	trace				
Geranium robertianum (herb-Robert)	trace				
Hypochaeris radicata (hairy cats-ear)	trace				
Ilex aquafolium (English holly)	trace				
Lapsana communis (common nipplewort)	trace				
Oplopanax horridus (Devil's club)	trace				
Phalaris arundinacea (reed canarygrass)	trace				
Rumex obtusifolius (bitter dock)	trace				

Unit FP*158

Size: 4.11 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: 8/11/2004

Ecological Health: Fair.
% Tree canopy: 75%
% Non-Native Cover: 5
General Note:

Leif Erickson Drive runs along top of unit (to E., S., & W.). Powerlines run along N side of unit. Species of Interest: OPHO, CONU4.

Management Note:

HEHE controllable at this point. Small amounts beginning to climb trunks.

Eco Note:

Hydrophilic vegetation: PHAR3. Small amount of FRLA regeneration on Leif Erickson.

Wetland indicators: Streams, Hydrophilic Vegetation.
Primary Management concerns: Invasives, Stream Bank Erosion.
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			
Pseudotsuga menziesii (Douglas fir)	10% to 20%		20-30"	Y	
Alnus rubra (red alder)	10% to 20%		10-20"	Y	
Acer circinatum (vine maple)	1% to 10%	Y			
Berberis nervosa (Oregon grape)	1% to 10%				
Clematis vitalba (clematis)	1% to 10%				
Galium aparine (cleavers)	1% to 10%				
Montia sibirica (Siberian minerslettuce)	1% to 10%				
Oemleria cerasiformis (Indian-plum)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Rubus ursinus (trailing blackberry)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Populus balsamifera ssp. trichocarpa (black cott	trace		>30"	Y	
Abies grandis (grand fir)	trace		0-5"	Y	
Cornus nuttallii (Pacific dogwood)	trace		0-5"		
Fraxinus latifolia (Oregon ash)	trace		0-5"	Y	
Prunus avium (sweet pie cherry)	trace		0-5"	Y	
Thuja plicata (western red cedar)	trace		0-5"	Y	
Tsuga heterophylla (western hemlock)	trace		0-5"	Y	
Cirsium arvense (Canadian Thistle)	trace				
Cirsium vulgare (bull thistle)	trace				
Dactylis glomerata (orchard grass)	trace				
Geranium robertianum (herb-Robert)	trace				
Geum urbanum (herb bennet)	trace				
Hedera helix (English ivy)	trace				
Hypericum perforatum (common St. John's wort)	trace				
Hypochaeris radicata (hairy cats-ear)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Leucanthemum vulgare (oxeye daisy)	trace				
Ligustrum vulgare (European privet)	trace				
Oplopanax horridus (Devil's club)	trace				
Phalaris arundinacea (reed canarygrass)	trace				
Plantago major (common plantain)	trace				
Ranunculus repens (creeping buttercup)	trace				
Rubus discolor (Himalayan blackberry)	trace				
Rumex obtusifolius (bitter dock)	trace				
Trifolium pratense (red clover)	trace				

Unit FP*159

Size: 19.15 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: East
Notes:

Visit date: 8/11/2004

Ecological Health: Fair.
% Tree canopy: 75%
% Non-Native Cover: 5
General Note:

Unit is bounded by Saltzman below (east) and Leif Erickson Drive above (west) and powerline row on south. Species of Interest: GOOB2, TABR2.

Management Note:

There is multiple shortcutting through the unit where Saltzman and Leif Erickson meet.

Eco Note:

Substantial variety of invasives along trail, though not many sighted within unit. High amount of regeneration for every tree species.

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

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	20% to 50%		10-20"	Y	
Polystichum munitum (sword fern)	20% to 50%				
Acer circinatum (vine maple)	10% to 20%	Y			
Pseudotsuga menziesii (Douglas fir)	10% to 20%		20-30"	Y	
Thuja plicata (western red cedar)	1% to 10%		10-20"	Y	
Tsuga heterophylla (western hemlock)	1% to 10%		10-20"	Y	
Alnus rubra (red alder)	1% to 10%		5-10"	Y	
Berberis nervosa (Oregon grape)	1% to 10%				
Corylus cornuta (western beaked hazelnut)	1% to 10%				
Gaultheria shallon (salal)	1% to 10%				
Hedera helix (English ivy)	1% to 10%				
Holodiscus discolor (oceanspray)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Rosa gymnocarpa (dwarf wood rose)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Rubus ursinus (trailing blackberry)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Populus balsamifera ssp. trichocarpa (black cott	trace		10-20"		
Abies grandis (grand fir)	trace		5-10"		
Taxus brevifolia (Pacific yew)	trace		5-10"		
Alliaria petiolata (garlic mustard)	trace				
Arctium minus (lesser burdock)	trace				
Bidens frondosa (devil's leafy beggarticks)	trace				
Cirsium arvense (Canadian Thistle)	trace				
Cirsium vulgare (bull thistle)	trace				
Convolvulus arvensis (morning glory)	trace				
Corylus avellana (common filbert)	trace				
Dactylis glomerata (orchard grass)	trace				
Daucus carota (Queen Anne's lace)	trace				
Erigeron annuus (annual eastern daisy Fleabane)	trace				
Galium aparine (cleavers)	trace				
Geranium robertianum (herb-Robert)	trace				
Geum urbanum (herb bennet)	trace				
Glecoma hederacea (Ground-ivy)	trace				
Goodyera oblongifolia (western giant Rattlesnake	trace				
Holcus lanatus (velvet 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				

Lapsana communis (common nipplewort)	trace
Leucanthemum vulgare (oxeye daisy)	trace
Melissa officinalis (lemon balm)	trace
Oxalis corniculata (creeping wood sorrel)	trace
Phalaris arundinacea (reed canarygrass)	trace
Plantago lanceolata (English narrowleaf buckhorn	trace
Plantago major (common plantain)	trace
Prunella vulgaris var. vulgaris (common selfheal	trace
Ranunculus repens (creeping buttercup)	trace
Rubus discolor (Himalayan blackberry)	trace
Rumex obtusifolius (bitter dock)	trace
Senecio jacobaea (tansy ragwort)	trace
Solanum dulcamara (bittersweet nightshade)	trace
Taraxacum officinale (common dandelion)	trace
Trifolium pratense (red clover)	trace
Trifolium repens (common clover)	trace

Unit FP*160

Size: 11.43 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: East
Notes:

Visit date: 8/11/2004

Ecological Health: Fair.
% Tree canopy: 75%
% Non-Native Cover: 10
General Note:

Species of Interest: TABR2, LICO.

Management Note:

Invasives such as CLVI are highest in the southern portion of the unit. Invasive forbs (including POCU6), are most prevalent along Saltzman Road and the Maple trail.

Eco Note:

Unit is a steep east facing slope with one perennial stream and one ephemeral stream--both located in the southern portion of the unit. The Maple trail runs through the center of the unit (north to south) and Saltzman Road borders the western edge of the unit. Several TABR2 trees found. Forb layer was low in diversity, but high shrub layer was very diverse.

Wetland indicators: Streams, Hydrophilic Vegetation, Saturated Soils, Standing Flowing Water.
Primary Management concerns: Invasives.
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			
Acer circinatum (vine maple)	10% to 20%	Y			
Pseudotsuga menziesii (Douglas fir)	10% to 20%		20-30"		
Abies grandis (grand fir)	1% to 10%		10-20"		
Alnus rubra (red alder)	1% to 10%		10-20"		
Thuja plicata (western red cedar)	1% to 10%		10-20"		
Tsuga heterophylla (western hemlock)	1% to 10%		10-20"		
Athyrium filix-femina (ladyfern)	1% to 10%				
Berberis nervosa (Oregon grape)	1% to 10%				
Clematis vitalba (clematis)	1% to 10%				
Oemleria cerasiformis (Indian-plum)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				

Rubus spectabilis (salmonberry)	1% to 10%	
Sambucus racemosa (red elderberry)	1% to 10%	
Tiarella trifoliata (foamflower)	1% to 10%	
Vaccinium parvifolum (red huckleberry)	1% to 10%	
Vancouveria hexandra (white inside-out-flower)	1% to 10%	
Taxus brevifolia (Pacific yew)	trace	5-10"
Alliaria petiolata (garlic mustard)	trace	
Anthemis cotula (dogfennel)	trace	
Arctium minus (lesser burdock)	trace	
Cirsium arvense (Canadian Thistle)	trace	
Convolvulus arvensis (morning glory)	trace	
Corylus avellana (common filbert)	trace	
Dactylis glomerata (orchard grass)	trace	
Erigeron annuus (annual eastern daisy Fleabane)	trace	
Geranium robertianum (herb-Robert)	trace	
Geum urbanum (herb bennet)	trace	
Glecoma hederacea (Ground-ivy)	trace	
Hedera helix (English ivy)	trace	
Holcus lanatus (velvet grass)	trace	
Ilex aquafolium (English holly)	trace	
Lactuca muralis (wall lettuce)	trace	
Leucanthemum vulgare (oxeye daisy)	trace	
Lilium columbianum (tiger-lily)	trace	
Melissa officinalis (lemon balm)	trace	
Plantago lanceolata (English narrowleaf buckhorn	trace	
Plantago major (common plantain)	trace	
Polygonum cuspidatum (Japanese knotweed)	trace	
Prunella vulgaris var. vulgaris (common selfheal	trace	
Ranunculus repens (creeping buttercup)	trace	
Rumex obtusifolius (bitter dock)	trace	
Senecio jacobaea (tansy ragwort)	trace	
Solanum dulcamara (bittersweet nightshade)	trace	
Taraxacum officinale (common dandelion)	trace	
Trifolium pratense (red clover)	trace	

Unit FP*162

Size: 25.94 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: CES204.001 North Pacific Maritime Dry-Mesic Douglas-fir-Western Hemlock Forest
Landform: Side-hill, Lower 3rd
Slope: Extremely Steep (over 30%)
Aspect: East
Notes:

Visit date: 8/19/2004
Ecological Health: Good.
% Tree canopy: 80%
% Non-Native Cover: 5
General Note:

Lower sidehill unit extending from St. Helens Road about 1/3 of the way to Leif Erickson Drive.

No roads or trails present in unit.

Management Note:

Abandoned homeless camps and litter piles scattered throughout unit.

Wetland indicators: Streams, Saturated Soils, Standing Flowing Water.
Primary Management concerns: Invasives, Litter, Homeless Camp, Informal Trails.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Berberis nervosa (Oregon grape)	20% to 50%	Y			
Acer macrophyllum (bigleaf maple)	20% to 50%		10-20"	Y	
Polystichum munitum (sword fern)	20% to 50%				

Pseudotsuga menziesii (Douglas fir)	10% to 20%	20-30"		
Tsuga heterophylla (western hemlock)	10% to 20%	10-20"	Y	
Abies grandis (grand fir)	1% to 10%	10-20"	Y	
Thuja plicata (western red cedar)	1% to 10%	10-20"		
Alnus rubra (red alder)	1% to 10%	5-10"		
Achlys triphylla (vanillaleaf)	1% to 10%			
Gaultheria shallon (salal)	1% to 10%			
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%			
Pteridium aquilinum (bracken fern)	1% to 10%			
Sambucus racemosa (red elderberry)	1% to 10%			
Smilacina stellata (starry false-Solomon's seal)	1% to 10%			
Vaccinium parvifolum (red huckleberry)	1% to 10%			
Galium aparine (cleavers)	trace			
Geranium robertianum (herb-Robert)	trace			
Geum urbanum (herb bennet)	trace			
Hedera helix (English ivy)	trace			
Ilex aquafolium (English holly)	trace			
Lactuca muralis (wall lettuce)	trace			
Rubus discolor (Himalayan blackberry)	trace			

Unit FP*163

Size: 39.67 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: East
Notes:

Visit date: 8/18/2004

Ecological Health: Fair.
% Tree canopy: 80%
% Non-Native Cover: 5
General Note:

Long steep unit extending from Leif Erickson to St. Helens Road. Maple Trail runs through unit. Large abandoned homeless camp with lots of cleared areas, compacted soil, large piles of garbage, dug out areas, and informal trails. Earthen swastikas carved in slope. Some small trees were cut down to construct homeless shelter. Species of Interest: ARME, TABR.

Management Note:

Large patches of CLVI and RUDI at top of unit (off Maple Trail).

Eco Note:

Shrub layer fairly open. A perennial stream borders the south edge of unit. Just below the homeless camp someone has constructed a dam out of rocks for bathing/washing. Detergent/soap containers scattered nearby.

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

Primary Management concerns: Invasives, Soil Compaction, Litter, Large Refuse, Homeless Camp, 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"	Y	
Polystichum munitum (sword fern)	20% to 50%				
Tsuga heterophylla (western hemlock)	10% to 20%		10-20"	Y	
Acer circinatum (vine maple)	10% to 20%				
Berberis nervosa (Oregon grape)	10% to 20%				
Abies grandis (grand fir)	1% to 10%		10-20"		

Thuja plicata (western red cedar)	1% to 10%		5-10"	Y
Achlys triphylla (vanillaleaf)	1% to 10%			
Clematis vitalba (clematis)	1% to 10%			
Gaultheria shallon (salal)	1% to 10%			
Hedera helix (English ivy)	1% to 10%			
Sambucus racemosa (red elderberry)	1% to 10%			
Vaccinium parvifolum (red huckleberry)	1% to 10%			
Vancouveria hexandra (white inside-out-flower)	1% to 10%			
Arbutus menziesii (Pacific madrone)	trace		5-10"	
Taxus brevifolia (Pacific yew)	trace		0-5"	
Arctium minus (lesser burdock)	trace			
Galium aparine (cleavers)	trace			
Geum urbanum (herb bennet)	trace			
Ilex aquafolium (English holly)	trace			
Lactuca muralis (wall lettuce)	trace			
Lapsana communis (common nipplewort)	trace			
Lilium columbianum (tiger-lily)	trace			
Lonicera ciliosa (western orange honeysuckle)	trace			
Plantago major (common plantain)	trace			
Prunella vulgaris var. vulgaris (common selfheal	trace			
Prunus laurocerasus (English laurel)	trace			
Rubus spectabilis (salmonberry)	trace			
Rumex obtusifolius (bitter dock)	trace			
Solanum dulcamara (bittersweet nightshade)	trace			

Unit FP*164

Size: 21.01 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, Upper 3rd
Slope: Extremely Steep (over 30%)
Aspect: North
Notes:

Visit date: 7/22/2004

Ecological Health: Fair.
% Tree canopy: 70%
% Non-Native Cover: 10
General Note:

This unit is in the hills behind the Portland Police impound lot.

Management Note:

There is a barbed wire fence that extends down an old road grade in the middle of this unit.

Eco Note:

Species of interest: Arbutus menziesii and Prunus emarginata.

Primary Management concerns: Invasives, Litter, Informal Trails, Encroachment.

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			
Corylus avellana (common filbert)	1% to 10%	Y			
Alnus rubra (red alder)	1% to 10%		10-20"		
Clematis vitalba (clematis)	1% to 10%				
Gaultheria shallon (salal)	1% to 10%				
Hedera helix (English ivy)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Rubus ursinus (trailing blackberry)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Arbutus menziesii (Pacific madrone)	trace		10-20"		
Prunus emarginata (bitter cherry)	trace		5-10"		
Arctium minus (lesser burdock)	trace				
Cirsium arvense (Canadian Thistle)	trace				
Galium aparine (cleavers)	trace				

Geum urbanum (herb bennet)	trace
Glecoma hederacea (Ground-ivy)	trace
Lactuca muralis (wall lettuce)	trace
Lapsana communis (common nipplewort)	trace
Plantago major (common plantain)	trace
Ranunculus repens (creeping buttercup)	trace
Rumex obtusifolius (bitter dock)	trace
Senecio jacobaea (tansy ragwort)	trace
Solanum dulcamara (bittersweet nightshade)	trace

Unit FP*165

Size: 6.57 Acres
NVCS Class: Woodland
NVCS Subclass: Deciduous woodland
NVCS Group: Cold-deciduous woodland
NVCS SubGroup: Natural / Semi-natural
NVCS Ecological System: CES204.846 North Pacific Broadleaf Mesic Seral Forest
Landform: Canyon bottom < 600'
Slope: Extremely Steep (over 30%)
Aspect: Northeast
Notes:

Visit date: 7/22/2004

Ecological Health: Poor.
% Tree canopy: 50%
% Non-Native Cover: 60
General Note:

Unit is an old quarry used until the 1980's.

Management Note:

Unit is highly invaded by non-native grasses and shrubs. Poison oak is scattered throughout unit.

Eco Note:

Species of interest: Prunus emarginata.

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

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Festuca arundinacea (tall fescue)	20% to 50%				
Alnus rubra (red alder)	10% to 20%	Y	5-10"	Y	
Populus balsamifera ssp. trichocarpa (black cott	1% to 10%		5-10"		
Acer macrophyllum (bigleaf maple)	1% to 10%		0-5"	Y	
Prunus emarginata (bitter cherry)	1% to 10%		0-5"	Y	
Pseudotsuga menziesii (Douglas fir)	1% to 10%		0-5"	Y	
Dactylis glomerata (orchard grass)	1% to 10%				
Hedera helix (English ivy)	1% to 10%				
Holcus lanatus (velvet grass)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Tolmiea menziesii (piggy-back plant)	1% to 10%				
Arbutus menziesii (Pacific madrone)	trace		0-5"	Y	
Amelanchier alnifolia (serviceberry)	trace				
Artemisia douglasiana (Douglas's California Mugw	trace				
Cirsium vulgare (bull thistle)	trace				
Crataegus monogyna (European hawthorn)	trace				
Cytisus scoparius (Scot's broom)	trace				
Daucus carota (Queen Anne's lace)	trace				
Galium aparine (cleavers)	trace				
Geranium robertianum (herb-Robert)	trace				
Hypericum perforatum (common St. John's wort)	trace				
Lapsana communis (common nipplewort)	trace				
Leucanthemum vulgare (oxeye daisy)	trace				
Rumex obtusifolius (bitter dock)	trace				
Senecio jacobaea (tansy ragwort)	trace				
Toxicodendron diversilobum (poison oak)	trace				

Unit FP*166

Size: 25.47 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: Ridge top/peak > 120'
Slope: Extremely Steep (over 30%)
Aspect: Northeast
Notes:

Visit date: 7/13/2004

Ecological Health: Good.
% Tree canopy: 85%
% Non-Native Cover: trace
General Note:
Creek along north edge. Ridge in middle. Small draw in southern part.
Management Note:
ILAQ limited to ridgetop.
Eco Note:
Diverse shrub layer.
Wetland indicators: Streams.
Primary Management concerns: Invasives.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	20-30"		
Tsuga heterophylla (western hemlock)	20% to 50%	Y	10-20"	Y	
Polystichum munitum (sword fern)	20% to 50%	Y			
Acer macrophyllum (bigleaf maple)	20% to 50%		10-20"	Y	
Acer circinatum (vine maple)	10% to 20%	Y			
Berberis nervosa (Oregon grape)	10% to 20%	Y			
Alnus rubra (red alder)	1% to 10%		5-10"		
Achlys triphylla (vanillaleaf)	1% to 10%				
Corylus cornuta (western beaked hazelnut)	1% to 10%				
Gaultheria shallon (salal)	1% to 10%				
Holodiscus discolor (oceanspray)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Rubus ursinus (trailing blackberry)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Thuja plicata (western red cedar)	trace		0-5"	Y	
Galium aparine (cleavers)	trace				
Geranium robertianum (herb-Robert)	trace				
Geum urbanum (herb bennet)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Ranunculus repens (creeping buttercup)	trace				

Unit FP*167

Size: 3.86 Acres
NVCS Class: Forest
NVCS Subclass: Deciduous forest
NVCS Group: Cold-deciduous forest
NVCS SubGroup: Natural / Semi-natural
NVCS Ecological System: CES204.869 North Pacific Lowland Riparian Forest and Shrubland

Landform: Side-hill, Upper 3rd
Slope: Extremely Steep (over 30%)
Aspect: Northwest
Notes:

Visit date: 7/13/2004

Ecological Health: Fair.
% Tree canopy: 75%
% Non-Native Cover: 5
General Note:

Deciduous unit on upper sidehill. Conifers limited to trace PSME regeneration.

Management Note:

HEHE limited to small corner of unit near road and ridgetop, but where it occurs it is on tree trunks and in canopy.

Eco Note:

Interior of unit not very weedy, but ridgetop is extremely weedy. Ridgetop appears to be old, overgrown road.

Wetland indicators: Hydrophilic Vegetation.
Primary Management concerns: Invasives, Litter.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	5-10"	Y	
Polystichum munitum (sword fern)	20% to 50%	Y			
Alnus rubra (red alder)	20% to 50%		10-20"		
Acer circinatum (vine maple)	1% to 10%				
Corylus cornuta (western beaked hazelnut)	1% to 10%				
Galium aparine (cleavers)	1% to 10%				
Geranium robertianum (herb-Robert)	1% to 10%				
Hedera helix (English ivy)	1% to 10%				
Holodiscus discolor (oceanspray)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Melissa officinalis (lemon balm)	1% to 10%				
Montia sibirica (Siberian minerslettuce)	1% to 10%				
Rubus parviflorus (thimbleberry)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Pseudotsuga menziesii (Douglas fir)	trace		0-5"	Y	
Sorbus aucuparia (European mountain ash)	trace		0-5"		
Bambusa sp. (bamboo)	trace				
Centaurium erythraea (European centaury)	trace				
Cirsium arvense (Canadian Thistle)	trace				
Dactylis glomerata (orchard grass)	trace				
Dicentra formosa (Pacific western Bleeding-heart	trace				
Geum urbanum (herb bennet)	trace				
Glecoma hederacea (Ground-ivy)	trace				
Holcus lanatus (velvet grass)	trace				
Hypericum perforatum (common St. John's wort)	trace				
Hypochaeris radicata (hairy cats-ear)	trace				
Ilex aquafolium (English holly)	trace				
Lapsana communis (common nipplewort)	trace				
Leucanthemum vulgare (oxeye daisy)	trace				
Oxalis oregana (Oregon woodsorrel)	trace				
Plantago lanceolata (English narrowleaf buckhorn	trace				
Plantago major (common plantain)	trace				
Ranunculus repens (creeping buttercup)	trace				
Rumex obtusifolius (bitter dock)	trace				
Senecio jacobaea (tansy ragwort)	trace				

Unit FP*168

Size: 5.44 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, Middle 3rd

Slope: Extremely Steep (over 30%)

Aspect: Northwest

Notes:

Visit date: 7/14/2004

Ecological Health: Good.

% Tree canopy: 85%

% Non-Native Cover: trace

General Note:

Steep unit extending from Leif Erickson Dr. down to creek. Largely consists of small mature Douglas Fir with Sword Fern and Vine Maple understory.

Management Note:

There is an abandoned car that was apparently rolled down the hill into the upper creek bottom in this unit.

Eco Note:

Most invasives are located along Leif Erickson Dr.

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

Primary Management concerns: Invasives, Large Refuse.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Pseudotsuga menziesii (Douglas fir)	50% to 75%	Y	10-20"		
Polystichum munitum (sword fern)	20% to 50%	Y			
Acer circinatum (vine maple)	10% to 20%	Y			
Acer macrophyllum (bigleaf maple)	1% to 10%		10-20"	Y	
Thuja plicata (western red cedar)	1% to 10%		5-10"	Y	
Berberis nervosa (Oregon grape)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Arbutus menziesii (Pacific madrone)	trace		0-5"		
Tsuga heterophylla (western hemlock)	trace		0-5"	Y	
Cirsium arvense (Canadian Thistle)	trace				
Dactylis glomerata (orchard grass)	trace				
Geranium robertianum (herb-Robert)	trace				
Hypericum perforatum (common St. John's wort)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Leucanthemum vulgare (oxeye daisy)	trace				
Plantago major (common plantain)	trace				
Ribes bracteosum (stink currant)	trace				
Rumex obtusifolius (bitter dock)	trace				
Senecio jacobaea (tansy ragwort)	trace				
Taraxacum officinale (common dandelion)	trace				
Vicia hisuta (tiny vetch)	trace				

Unit FP*169

Size: 4.84 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: North

Notes:

Visit date: 7/14/2004

Ecological Health: Good.

% Tree canopy: 65%

% Non-Native Cover: 5

General Note:

Forms sidehill below Saltzman Road.

Bordered by creeks on west and that converge at lower end of unit.

Management Note:

Invasives located mostly along Saltzman Road.

Interior invasives are GERO, LAMU.

Eco Note:

Conifers mostly present as regeneration: PSME, TSHE, THPL, ABGR.

Wetland indicators: Streams.

Primary Management concerns: Invasives, Domestic Animals, Large Refuse, Hardscape Infrastructure.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	50% to 75%	Y	10-20"	Y	
Polystichum munitum (sword fern)	50% to 75%	Y			
Acer circinatum (vine maple)	10% to 20%	Y			
Pseudotsuga menziesii (Douglas fir)	10% to 20%		10-20"		
Circaea alpina (enchanter's-nightshade)	1% to 10%				
Corylus cornuta (western beaked hazelnut)	1% to 10%				
Geranium robertianum (herb-Robert)	1% to 10%				
Holodiscus discolor (oceanspray)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Oemleria cerasiformis (Indian-plum)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Abies grandis (grand fir)	trace		0-5"	Y	
Taxus brevifolia (Pacific yew)	trace		0-5"		
Thuja plicata (western red cedar)	trace		0-5"	Y	
Tsuga heterophylla (western hemlock)	trace		0-5"	Y	
Aquilegia formosa (western columbine)	trace				
Hypericum perforatum (common St. John's wort)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Leucanthemum vulgare (oxeye daisy)	trace				
Plantago major (common plantain)	trace				
Ranunculus repens (creeping buttercup)	trace				
Rubus discolor (Himalayan blackberry)	trace				
Rumex obtusifolius (bitter dock)	trace				
Senecio jacobaea (tansy ragwort)	trace				

Unit FP*170

Size: 13.67 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, Middle 3rd

Slope: Extremely Steep (over 30%)

Aspect: Southeast

Notes:

Visit date: 7/14/2004

Ecological Health: Good.

% Tree canopy: 80%
% Non-Native Cover: 5
General Note:
Steep-walled, south-facing unit with creek forming southern border.
Eco Note:
Rare plant = LICO.
Hydrophilic vegetation is OESA and STCO.
Total non-native percent cover: 5%.
Wetland indicators: Streams, Hydrophilic Vegetation, Saturated Soils, Standing Flowing Water.
Primary Management concerns: Invasives, Large Refuse.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	10-20"		
Polystichum munitum (sword fern)	20% to 50%	Y			
Acer macrophyllum (bigleaf maple)	20% to 50%		10-20"		
Geranium robertianum (herb-Robert)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Oemleria cerasiformis (Indian-plum)	1% to 10%				
Arbutus menziesii (Pacific madrone)	trace		0-5"		
Sorbus aucuparia (European mountain ash)	trace		0-5"		
Anthoxanthum odoratum (sweet vernalgrass)	trace				
Aruncus dioicus (Goat's beard)	trace				
Centaurium erythraea (European centaury)	trace				
Cirsium vulgare (bull thistle)	trace				
Crataegus monogyna (European hawthorn)	trace				
Cytisus scoparius (Scot's broom)	trace				
Dactylis glomerata (orchard grass)	trace				
Daucus carota (Queen Anne's lace)	trace				
Festuca arundinacea (tall fescue)	trace				
Hypericum perforatum (common St. John's wort)	trace				
Hypochaeris radicata (hairy cats-ear)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Leucanthemum vulgare (oxeye daisy)	trace				
Lilium columbianum (tiger-lily)	trace				
Plantago major (common plantain)	trace				
Prunus laurocerasus (English laurel)	trace				
Ribes bracteosum (stink currant)	trace				
Rubus discolor (Himalayan blackberry)	trace				
Rumex obtusifolius (bitter dock)	trace				
Senecio jacobaea (tansy ragwort)	trace				
Taraxacum officinale (common dandelion)	trace				
Trifolium pratense (red clover)	trace				
Vicia hisuta (tiny vetch)	trace				

Unit FP*171

Size: 2.07 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: Canyon bottom < 600'
Slope: Gentle (5 to 10%)
Aspect: East
Notes:

Visit date: 7/14/2004
Ecological Health: Good.
% Tree canopy: 65%
% Non-Native Cover: 5
General Note:

All deciduous unit except for a few small to medium THPL regeneration.

Management Note:

Weeds mainly on road. Interior pretty much weed free.
Large refuse = large metal drums.

Eco Note:

Hydrophilic vegetation is OESA and STME.

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

Primary Management concerns: Invasives, Litter, Large Refuse, Mountain Bike Impact.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"	Y	
Acer circinatum (vine maple)	20% to 50%	Y			
Polystichum munitum (sword fern)	20% to 50%	Y			
Rubus spectabilis (salmonberry)	10% to 20%				
Populus balsamifera ssp. trichocarpa (black cott	1% to 10%		20-30"	Y	
Alnus rubra (red alder)	1% to 10%		10-20"		
Thuja plicata (western red cedar)	1% to 10%		10-20"	Y	
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Oemleria cerasiformis (Indian-plum)	1% to 10%				
Tolmiea menziesii (piggy-back plant)	1% to 10%				
Urtica dioica (stinging nettle)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Cirsium arvense (Canadian Thistle)	trace				
Dactylis glomerata (orchard grass)	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				
Plantago major (common plantain)	trace				
Ranunculus repens (creeping buttercup)	trace				
Ribes bracteosum (stink currant)	trace				
Rubus discolor (Himalayan blackberry)	trace				
Rumex obtusifolius (bitter dock)	trace				

Unit FP*172

Size: 0.38 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: Northwest
Notes:

Visit date: 7/27/2004

Ecological Health: Poor.
% Tree canopy: 20%
% Non-Native Cover: 5
General Note:

This is a small area underneath a powerline right of way.

Management Note:

Primary Management concerns: Invasives, Tree Topping, Utility Infrastructure.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	1% to 10%		5-10"	Y	
Pseudotsuga menziesii (Douglas fir)	1% to 10%		5-10"	Y	

Corylus avellana (common filbert)	1% to 10%
Holodiscus discolor (oceanspray)	1% to 10%
Oemleria cerasiformis (Indian-plum)	1% to 10%
Polystichum munitum (sword fern)	1% to 10%
Rubus parviflorus (thimbleberry)	1% to 10%
Cirsium arvense (Canadian Thistle)	trace
Daucus carota (Queen Anne's lace)	trace
Hypericum perforatum (common St. John's wort)	trace
Leucanthemum vulgare (oxeye daisy)	trace
Phalaris arundinacea (reed canarygrass)	trace
Plantago lanceolata (English narrowleaf buckhorn	trace
Plantago major (common plantain)	trace
Solidago canadensis (Canada meadow goldenrod)	trace
Taraxacum officinale (common dandelion)	trace
Trifolium pratense (red clover)	trace

Unit FP*173

Size: 17.05 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: 8/2/2004

Ecological Health: Fair.
% Tree canopy: 70%
% Non-Native Cover: 10
General Note:

Powerline runs through northeast portion of unit. Species of interest PREM.

Management Note:

Invasives heavy (especially RUDI) in powerline strip - otherwise they are mostly constrained to roads and trails.

Eco Note:

Unit is a northeast trending ridge bordered by Leif Erickson on its northeast edge. Deciduous canopy dominate lower areas Firelane 5 and Wildwood both ran through unit. Mountain bike use high on Firelane 5. STCO and VIGL are the hydrophilic vegetation indicators. Industrial noise not as loud in this unit as in others - only planes heard flying overhead.

Wetland indicators: Streams, Hydrophilic Vegetation, Saturated Soils.
Primary Management concerns: Invasives, Litter, Utility Infrastructure, Mountain Bike Impact.
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			
Acer circinatum (vine maple)	10% to 20%	Y			
Pseudotsuga menziesii (Douglas fir)	10% to 20%		20-30"	Y	
Alnus rubra (red alder)	10% to 20%		10-20"		
Tsuga heterophylla (western hemlock)	1% to 10%		5-10"	Y	
Berberis nervosa (Oregon grape)	1% to 10%				
Corylus cornuta (western beaked hazelnut)	1% to 10%				
Rubus parviflorus (thimbleberry)	1% to 10%				
Rubus ursinus (trailing blackberry)	1% to 10%				
Tolmiea menziesii (piggy-back plant)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Centaurium erythraea (European centaury)	trace				

Cirsium arvense (Canadian Thistle)	trace
Galium aparine (cleavers)	trace
Holcus lanatus (velvet grass)	trace
Hypericum perforatum (common St. John's wort)	trace
Ilex aquafolium (English holly)	trace
Lactuca muralis (wall lettuce)	trace
Lapsana communis (common nipplewort)	trace
Leucanthemum vulgare (oxeye daisy)	trace
Plantago major (common plantain)	trace
Ranunculus repens (creeping buttercup)	trace
Rumex obtusifolius (bitter dock)	trace

Unit FP*174

Size: 23.56 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, Middle 3rd
Slope: Extremely Steep (over 30%)
Aspect: East
Notes:

Visit date: 7/29/2004

Ecological Health: Good.
% Tree canopy: 80%
% Non-Native Cover: trace
General Note:

Wildwood Trail and Firelane 5 run through this unit.
Unit contains several ridges and ravines facing several directions; therefore aspect is varied (although overall, aspect is east).
Near the southwest corner there is a powerline area cleared of most woody vegetation.

Management Note:

Weeds few, occurring mostly on the trail and on Firelane 5.

Eco Note:

Water in creek between this unit and FP*178.
SOI = Corallorrhiza striata, LICO, and Campanula scouleri.

Wetland indicators: Streams, Hydrophilic Vegetation, Saturated Soils, Standing Flowing Water.
Primary Management concerns: Invasives.
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"	Y	
Polystichum munitum (sword fern)	20% to 50%	Y			
Acer circinatum (vine maple)	10% to 20%	Y			
Alnus rubra (red alder)	1% to 10%		10-20"		
Tsuga heterophylla (western hemlock)	1% to 10%		5-10"	Y	
Achlys triphylla (vanillaleaf)	1% to 10%				
Athyrium filix-femina (ladyfern)	1% to 10%				
Berberis nervosa (Oregon grape)	1% to 10%				
Gaultheria shallon (salal)	1% to 10%				
Rubus parviflorus (thimbleberry)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Abies grandis (grand fir)	trace		5-10"	Y	
Thuja plicata (western red cedar)	trace		5-10"	Y	
Campanula scouleri (Scouler's bellflower)	trace				
Corallorhiza striata (striped Coral-root)	trace				

Corylus avellana (common filbert)	trace
Galium aparine (cleavers)	trace
Geranium robertianum (herb-Robert)	trace
Geum urbanum (herb bennet)	trace
Hedera helix (English ivy)	trace
Ilex aquafolium (English holly)	trace
Lactuca muralis (wall lettuce)	trace
Lapsana communis (common nipplewort)	trace
Lilium columbianum (tiger-lily)	trace
Plantago major (common plantain)	trace
Prunella vulgaris var. vulgaris (common selfheal	trace
Ranunculus repens (creeping buttercup)	trace
Rumex obtusifolius (bitter dock)	trace

Unit FP*175

Size: 50.97 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, Upper 3rd
Slope: Extremely Steep (over 30%)
Aspect: North
Notes:

Visit date: 8/2/2004

Ecological Health: Fair.
% Tree canopy: 65%
% Non-Native Cover: 10
General Note:

Large deciduous unit with conifers in the understory. No clear aspect had several drainages and ridges throughout unit.

Management Note:

Party spot at the end of service road, on top of ridge, off Firelane 5. RUDI, ILAQ and HEHE in interior. Old building just off Firelane 5 filled with old barrels and construction equipment.

Eco Note:

Running water in creek.

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

Primary Management concerns: Invasives, Litter, Large Refuse, 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			
Rubus spectabilis (salmonberry)	10% to 20%	Y			
Pseudotsuga menziesii (Douglas fir)	10% to 20%		10-20"	Y	
Alnus rubra (red alder)	10% to 20%		5-10"	Y	
Rubus ursinus (trailing blackberry)	10% to 20%				
Tsuga heterophylla (western hemlock)	1% to 10%		5-10"	Y	
Acer circinatum (vine maple)	1% to 10%				
Berberis nervosa (Oregon grape)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Montia sibirica (Siberian minerslettuce)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Salix sitchensis (Sitka willow)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Tolmiea menziesii (piggy-back plant)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Arbutus menziesii (Pacific madrone)	trace		5-10"		
Prunus emarginata (bitter cherry)	trace		0-5"	Y	
Sorbus aucuparia (European mountain ash)	trace		0-5"		
Agrostis sp. (bentgrass)	trace				
Centaurium erythraea (European centaury)	trace				

Cirsium arvense (Canadian Thistle)	trace
Cytisus scoparius (Scot's broom)	trace
Festuca arundinacea (tall fescue)	trace
Galium aparine (cleavers)	trace
Geranium robertianum (herb-Robert)	trace
Hedera helix (English ivy)	trace
Holcus lanatus (velvet grass)	trace
Hypericum perforatum (common St. John's wort)	trace
Hypochaeris radicata (hairy cats-ear)	trace
Ilex aquafolium (English holly)	trace
Lactuca muralis (wall lettuce)	trace
Lapsana communis (common nipplewort)	trace
Leucanthemum vulgare (oxeye daisy)	trace
Oplopanax horridus (Devil's club)	trace
Plantago major (common plantain)	trace
Ranunculus repens (creeping buttercup)	trace
Senecio jacobaea (tansy ragwort)	trace
Taraxacum officinale (common dandelion)	trace
Trifolium pratense (red clover)	trace
Trifolium repens (common clover)	trace
Vicia gigantea (giant black vetch)	trace

Unit FP*176

Size: 3.23 Acres
NVCS Class: Shrubland
NVCS Subclass: Deciduous shrubland
NVCS Group: Cold-deciduous shrubland
NVCS SubGroup: Cultural
NVCS Ecological System: unknown
Landform: unknown
Slope: unknown
Aspect: unknown

Unit FP*177

Size: 21.43 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: North
Notes:

Visit date: 7/29/2004

Ecological Health: Good.
% Tree canopy: 75%
% Non-Native Cover: trace
General Note:

SOI: Juncus effusus.

Management Note:

Invasives low; RUDI on top of ridge in southern portion of unit.

Eco Note:

Unit is a complex of ridges trending north dominated by a deciduous canopy. Plant diversity low. Shrub layer not significant.

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

Primary Management concerns: Invasives.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	50% to 75%	Y	20-30"	Y	
Polystichum munitum (sword fern)	50% to 75%	Y			
Acer circinatum (vine maple)	10% to 20%	Y			
Pseudotsuga menziesii (Douglas fir)	1% to 10%		20-30"	Y	
Alnus rubra (red alder)	1% to 10%		10-20"		
Berberis nervosa (Oregon grape)	1% to 10%				
Galium aparine (cleavers)	1% to 10%				
Rubus ursinus (trailing blackberry)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Prunus avium (sweet pie cherry)	trace		0-5"		
Agrostis sp. (bentgrass)	trace				
Cirsium arvense (Canadian Thistle)	trace				
Cirsium vulgare (bull thistle)	trace				
Holcus lanatus (velvet grass)	trace				
Hypochaeris radicata (hairy cats-ear)	trace				
Juncus effusus (common soft Pacific rush)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Leucanthemum vulgare (oxeye daisy)	trace				
Lotus corniculatus (birdsfoot trefoil)	trace				
Montia sibirica (Siberian minerslettuce)	trace				
Plantago major (common plantain)	trace				
Rubus discolor (Himalayan blackberry)	trace				
Rumex obtusifolius (bitter dock)	trace				
Taraxacum officinale (common dandelion)	trace				
Trifolium pratense (red clover)	trace				
Vancouveria hexandra (white inside-out-flower)	trace				
Vicia hisuta (tiny vetch)	trace				

Unit FP*178

Size: 23.35 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: Southeast

Notes:

Visit date: 7/29/2004

Ecological Health: Fair.

% Tree canopy: 70%

% Non-Native Cover: 5

General Note:

Sidehill unit consists of a ridge that slopes to a small creek.
Bordered by powerlines to the southwest. Wildwood Trail runs through southeast corner. SOI = Arbutus menziesii

Management Note:

Invasives mainly along Wildwood Trail and informal trails.

Eco Note:

Unit has high cover and diversity of shrubs.

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

Primary Management concerns: Invasives, Informal Trails.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	50% to 75%	Y	10-20"	Y	
Acer circinatum (vine maple)	20% to 50%	Y			
Polystichum munitum (sword fern)	20% to 50%				

Alnus rubra (red alder)	10% to 20%	5-10"
Pseudotsuga menziesii (Douglas fir)	1% to 10%	10-20"
Tsuga heterophylla (western hemlock)	1% to 10%	10-20"
Achlys triphylla (vanillaleaf)	1% to 10%	
Berberis nervosa (Oregon grape)	1% to 10%	
Corylus avellana (common filbert)	1% to 10%	
Galium aparine (cleavers)	1% to 10%	
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%	
Montia sibirica (Siberian minerslettuce)	1% to 10%	
Rosa gymnocarpa (dwarf wood rose)	1% to 10%	
Rubus spectabilis (salmonberry)	1% to 10%	
Rubus ursinus (trailing blackberry)	1% to 10%	
Salix sitchensis (Sitka willow)	1% to 10%	
Sambucus racemosa (red elderberry)	1% to 10%	
Stachys cooleyae (Cooley's hedgenettle)	1% to 10%	
Vaccinium parvifolum (red huckleberry)	1% to 10%	
Vancouveria hexandra (white inside-out-flower)	1% to 10%	
Arbutus menziesii (Pacific madrone)	trace	5-10"
Sorbus aucuparia (European mountain ash)	trace	0-5"
Cirsium vulgare (bull thistle)	trace	
Crataegus monogyna (European hawthorn)	trace	
Erigeron annuus (annual eastern daisy Fleabane)	trace	
Geranium robertianum (herb-Robert)	trace	
Hypericum perforatum (common St. John's wort)	trace	
Ilex aquafolium (English holly)	trace	
Juncus effusus (common soft Pacific rush)	trace	
Lactuca muralis (wall lettuce)	trace	
Lapsana communis (common nipplewort)	trace	
Plantago major (common plantain)	trace	
Ranunculus repens (creeping buttercup)	trace	
Rumex obtusifolius (bitter dock)	trace	
Sonchus oleraceus (sow thistle)	trace	

Unit FP*179

Size: 9.76 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, Middle 3rd
Slope: Extremely Steep (over 30%)
Aspect: Southeast
Notes:

Visit date: 7/29/2004

Ecological Health: Good.
% Tree canopy: 75%
% Non-Native Cover: trace
General Note:

Unit is a very steep slope facing southeast. Eastern edge adjacent to Leif Erickson. Informal road runs east on ridge from Wildwood Trail to Leif Erickson.

Management Note:

Invasives inhabit trails and road edges only.

Eco Note:

Species of interest: Arbutus menziesii.

Wetland indicators: Streams, Hydrophilic Vegetation.
Primary Management concerns: Invasives, Domestic Animals, Informal Trails.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	20-30"		
Acer circinatum (vine maple)	20% to 50%	Y			
Polystichum munitum (sword fern)	20% to 50%				

Acer macrophyllum (bigleaf maple)	1% to 10%	10-20"	Y
Alnus rubra (red alder)	1% to 10%	10-20"	
Tsuga heterophylla (western hemlock)	1% to 10%	10-20"	
Berberis nervosa (Oregon grape)	1% to 10%		
Gaultheria shallon (salal)	1% to 10%		
Lapsana communis (common nipplewort)	1% to 10%		
Vaccinium parvifolum (red huckleberry)	1% to 10%		
Arbutus menziesii (Pacific madrone)	trace	0-5"	
Corylus avellana (common filbert)	trace		
Geranium robertianum (herb-Robert)	trace		
Geum urbanum (herb bennet)	trace		
Lactuca muralis (wall lettuce)	trace		
Rubus discolor (Himalayan blackberry)	trace		

Unit FP*180

Size: 36.57 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: North
Notes:

Visit date: 7/28/2004

Ecological Health: Good.
% Tree canopy: 75%
% Non-Native Cover: trace
General Note:

Unit is bordered by a powerline on the south edge.

Management Note:

Invasives constrained to Wildwood trail and edges along powerlines.

Eco Note:

This unit is a steep north facing slope running down to a perennial stream. Although the water level is low it is very clear. Tree and shrub diversity/structure is good--forb diversity is low.

Wetland indicators: Streams, Saturated Soils, Standing Flowing Water.
Primary Management concerns: Invasives, Litter.
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			
Acer circinatum (vine maple)	10% to 20%	Y			
Berberis nervosa (Oregon grape)	10% to 20%	Y			
Alnus rubra (red alder)	1% to 10%		10-20"		
Pseudotsuga menziesii (Douglas fir)	1% to 10%		10-20"	Y	
Montia sibirica (Siberian minerslettuce)	1% to 10%				
Osmorhiza chilensis (mountain sweet-cicely)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Rubus ursinus (trailing blackberry)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Thuja plicata (western red cedar)	trace		5-10"		
Sorbus aucuparia (European mountain ash)	trace		0-5"		
Crataegus monogyna (European hawthorn)	trace				
Galium aparine (cleavers)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Plantago major (common plantain)	trace				
Rumex obtusifolius (bitter dock)	trace				

Unit FP*181

Size: 27.5 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: East
Notes:

Visit date: 7/28/2004

Ecological Health: Fair.
% Tree canopy: 75%
% Non-Native Cover: trace
General Note:

Species of Interest: PREM, RIBR. Hydrophilic vegetation--STCO14. Bottom mid-ridge looking up to powerlines and a ranch to the west, and powerlines to the north.

Management Note:

Weeds along edges.

Wetland indicators: Streams, Hydrophilic Vegetation, Saturated Soils.
Primary Management concerns: Invasives.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"	Y	
Acer circinatum (vine maple)	20% to 50%	Y			
Berberis nervosa (Oregon grape)	20% to 50%	Y			
Polystichum munitum (sword fern)	20% to 50%				
Alnus rubra (red alder)	10% to 20%		10-20"		
Pseudotsuga menziesii (Douglas fir)	1% to 10%		10-20"		
Tsuga heterophylla (western hemlock)	1% to 10%		10-20"	Y	
Achlys triphylla (vanillaleaf)	1% to 10%				
Athyrium filix-femina (ladyfern)	1% to 10%				
Gaultheria shallon (salal)	1% to 10%				
Montia sibirica (Siberian minerslettuce)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Rubus ursinus (trailing blackberry)	1% to 10%				
Prunus emarginata (bitter cherry)	trace		5-10"		
Thuja plicata (western red cedar)	trace		5-10"	Y	
Arctium minus (lesser burdock)	trace				
Erigeron annuus (annual eastern daisy Fleabane)	trace				
Galium aparine (cleavers)	trace				
Geranium robertianum (herb-Robert)	trace				
Geum urbanum (herb bennet)	trace				
Glecoma hederacea (Ground-ivy)	trace				
Lapsana communis (common nipplewort)	trace				
Phalaris arundinacea (reed canarygrass)	trace				
Plantago major (common plantain)	trace				
Ranunculus repens (creeping buttercup)	trace				
Ribes bracteosum (stink currant)	trace				
Rubus discolor (Himalayan blackberry)	trace				
Rumex obtusifolius (bitter dock)	trace				

Unit FP*182

Size: 6.91 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: Southeast
Notes:

Visit date: 7/28/2004

Ecological Health: Severely Degraded.
% Tree canopy: 5%
% Non-Native Cover: 95
General Note:

Species of Interest: PREM

Management Note:

Unit is dominated by invasives --especially CYSC4 and non-native grasses.

Eco Note:

Unit is a series of ridges running underneath a powerline. The large number of invasives in this unit (woody and herbaceous) pose a threat to adjacent units.

Wetland indicators: Streams, Hydrophilic Vegetation, Saturated Soils.
Primary Management concerns: Invasives, Domestic Animals, Utility Infrastructure, Informal Trails.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Cytisus scoparius (Scot's broom)	20% to 50%	Y			
Alnus rubra (red alder)	1% to 10%	Y	0-5"		
Acer circinatum (vine maple)	1% to 10%				
Agrostis sp. (bentgrass)	1% to 10%				
Epilobium angustifolium (fireweed)	1% to 10%				
Equisetum telmateia (giant horsetail)	1% to 10%				
Gaultheria shallon (salal)	1% to 10%				
Phalaris arundinacea (reed canarygrass)	1% to 10%				
Pteridium aquilinum (bracken fern)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Rubus parviflorus (thimbleberry)	1% to 10%				
Solidago canadensis (Canada meadow goldenrod)	1% to 10%				
Urtica dioica (stinging nettle)	1% to 10%				
Prunus emarginata (bitter cherry)	trace		0-5"		
Sorbus aucuparia (European mountain ash)	trace		0-5"		
Centaurium erythraea (European centaury)	trace				
Cirsium arvense (Canadian Thistle)	trace				
Cirsium vulgare (bull thistle)	trace				
Erigeron annuus (annual eastern daisy Fleabane)	trace				
Festuca arundinacea (tall fescue)	trace				
Galium aparine (cleavers)	trace				
Geum urbanum (herb bennet)	trace				
Holcus lanatus (velvet grass)	trace				
Hypericum perforatum (common St. John's wort)	trace				
Hypochaeris radicata (hairy cats-ear)	trace				
Leucanthemum vulgare (oxeye daisy)	trace				
Lotus corniculatus (birdsfoot trefoil)	trace				
Parentucellia viscosa (yellow parentucellia)	trace				
Plantago major (common plantain)	trace				
Ranunculus repens (creeping buttercup)	trace				
Rumex obtusifolius (bitter dock)	trace				
Trifolium pratense (red clover)	trace				
Vicia hisuta (tiny vetch)	trace				

Unit FP*183

Size: 45.4 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: South

Notes:

Visit date: 9/25/2003

Ecological Health: Good.

% Tree canopy: 75%

% Non-Native Cover: not recorded

General Note:

Petroleum pipeline runs through the unit. Species of Interest: Prunus emarginata, Lonicera ciliosa, Satureja douglasii.

Management Note:

Small clumps of ILAQ, and trace amounts of SOAU and CYSC should be removed.

Eco Note:

Unit appears to have signs of a previous fire history (burned stumps and snags). Large burned snags and stumps are scattered throughout the unit. It is a south facing forest slope dominated by deciduous trees. The southern edge is bordered by a deep ravine. Species, age and structural diversity is high.

Wetland indicators: Hydrophilic Vegetation.

Primary Management concerns: Invasives, Erosion, Litter, Utility Infrastructure.

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	
Acer circinatum (vine maple)	20% to 50%	Y			
Gaultheria shallon (salal)	20% to 50%	Y			
Polystichum munitum (sword fern)	20% to 50%	Y			
Alnus rubra (red alder)	20% to 50%		10-20"		
Abies grandis (grand fir)	10% to 20%		20-30"	Y	
Thuja plicata (western red cedar)	10% to 20%		10-20"	Y	
Berberis nervosa (Oregon grape)	10% to 20%				
Corylus cornuta (western beaked hazelnut)	10% to 20%				
Oemleria cerasiformis (Indian-plum)	10% to 20%				
Vaccinium parvifolum (red huckleberry)	10% to 20%				
Prunus emarginata (bitter cherry)	1% to 10%		0-5"	Y	
Adiantum pedatum (maidenhair fern)	1% to 10%				
Holodiscus discolor (oceanspray)	1% to 10%				
Rosa gymnocarpa (dwarf wood rose)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Rubus ursinus (trailing blackberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Arbutus menziesii (Pacific madrone)	trace		10-20"		
Sorbus aucuparia (European mountain ash)	trace		0-5"		
Achlys triphylla (vanillaleaf)	trace				
Actaea rubra (red baneberry)	trace				
Asarum caudatum (wild ginger)	trace				
Crataegus monogyna (European hawthorn)	trace				
Cytisus scoparius (Scot's broom)	trace				
Ilex aquafolium (English holly)	trace				
Lonicera ciliosa (western orange honeysuckle)	trace				
Osmorhiza chilensis (mountain sweet-cicely)	trace				
Polypodium glycyrrhiza (licorice fern)	trace				
Prunella vulgaris (healall)	trace				
Satureja douglasii (yerba buena)	trace				
Stachys cooleyae (Cooley's hedgenettle)	trace				
Trientalis latifolia (western broad-leaf starflo	trace				

Unit FP*184

Size: 29.56 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, Upper 3rd
Slope: Extremely Steep (over 30%)
Aspect: North
Notes:

Visit date: 7/22/2004

Ecological Health: Good.
% Tree canopy: 65%
% Non-Native Cover: trace
General Note:

This was a long unit running east/west. Unit extends over several ridges and drainages. Used Wildwood trail as access point. Species of interest RIBR.

Management Note:

On top of ridge in the east end of the unit there was a few clumps of ILAQ that need to be removed.

Eco Note:

Unit is fairly healthy and could easily become a Eco health one with a little intervention. Saw a ruffed grouse in unit.

Wetland indicators: Streams, Hydrophilic Vegetation, Saturated Soils, Standing Flowing Water.
Primary Management concerns: Invasives.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"	Y	
Acer circinatum (vine maple)	20% to 50%	Y			
Polystichum munitum (sword fern)	20% to 50%	Y			
Sambucus racemosa (red elderberry)	20% to 50%	Y			
Alnus rubra (red alder)	20% to 50%		10-20"		
Tsuga heterophylla (western hemlock)	1% to 10%		5-10"	Y	
Thuja plicata (western red cedar)	1% to 10%		0-5"	Y	
Athyrium filix-femina (ladyfern)	1% to 10%				
Gaultheria shallon (salal)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Montia sibirica (Siberian minerslettuce)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Galium aparine (cleavers)	trace				
Geranium robertianum (herb-Robert)	trace				
Geum urbanum (herb bennet)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Plantago major (common plantain)	trace				
Ranunculus acris (tall showy buttercup)	trace				
Ribes bracteosum (stink currant)	trace				
Rumex obtusifolius (bitter dock)	trace				

Unit FP*185

Size: 9.31 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, Upper 3rd
Slope: Extremely Steep (over 30%)
Aspect: East

Notes:

Visit date: 8/16/2004

Ecological Health: Good.

% Tree canopy: 70%

% Non-Native Cover: 5

General Note:

Unit is bordered by residential property to the west. No roads or trails run through this unit.

Management Note:

Large RUDI parch at top of unit (western edge).

Very few invasives in interior. These invasives are still manageable at this point, especially since there is no HEHE, ILAQ, or CLVI.

Large debris refers to a tire and a large piece of plywood nailed to a frame.

Eco Note:

Species of interest: PREM, RIBR.

Very large PREM (22.5" DBH). Largest found in Forest Park this season by this crew!

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

Primary Management concerns: Invasives, Large Refuse.

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			
Alnus rubra (red alder)	10% to 20%		10-20"	Y	
Tsuga heterophylla (western hemlock)	10% to 20%		10-20"	Y	
Acer circinatum (vine maple)	10% to 20%				
Thuja plicata (western red cedar)	1% to 10%		10-20"	Y	
Berberis nervosa (Oregon grape)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Montia sibirica (Siberian minerslettuce)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Prunus emarginata (bitter cherry)	trace		20-30"		
Prunus cerasifera (cherry plum)	trace		0-5"		
Arctium minus (lesser burdock)	trace				
Galium aparine (cleavers)	trace				
Geranium robertianum (herb-Robert)	trace				
Ribes bracteosum (stink currant)	trace				
Rumex obtusifolius (bitter dock)	trace				
Sambucus racemosa (red elderberry)	trace				

Unit FP*186

Size: 37.56 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, Upper 3rd

Slope: Extremely Steep (over 30%)

Aspect: South

Notes:

Visit date: 7/22/2004

Ecological Health: Fair.

% Tree canopy: 65%

% Non-Native Cover: 5

General Note:

Unit was south of Firelane 7. It went down a south facing slope to a creek and the Wildwood trail. Species of interest LICO & RIBR.

Management Note:

Most invasives associated with trail.

Eco Note:

At the bottom of the unit the creek had water in it. Game trails with bear scat on them.

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

Primary Management concerns: Invasives, Domestic Animals, Litter, Mountain Bike Impact.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"	Y	
Acer circinatum (vine maple)	20% to 50%	Y			
Polystichum munitum (sword fern)	20% to 50%	Y			
Alnus rubra (red alder)	20% to 50%		10-20"		
Sambucus racemosa (red elderberry)	10% to 20%				
Thuja plicata (western red cedar)	1% to 10%		5-10"	Y	
Berberis nervosa (Oregon grape)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Montia sibirica (Siberian minerslettuce)	1% to 10%				
Osmorhiza chilensis (mountain sweet-cicely)	1% to 10%				
Ribes bracteosum (stink currant)	1% to 10%				
Rubus ursinus (trailing blackberry)	1% to 10%				
Smilacina stellata (starry false-Solomon's seal)	1% to 10%				
Alliaria petiolata (garlic mustard)	trace				
Clematis vitalba (clematis)	trace				
Galium aparine (cleavers)	trace				
Geum urbanum (herb bennet)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Lilium columbianum (tiger-lily)	trace				
Maianthemum dilatatum (false lily-of-the-valley)	trace				
Plantago major (common plantain)	trace				
Ranunculus repens (creeping buttercup)	trace				
Rubus discolor (Himalayan blackberry)	trace				
Rumex obtusifolius (bitter dock)	trace				

Unit FP*187

Size: 92.58 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: CES204.002 North Pacific Maritime Wet-Mesic Douglas-fir-Western Hemlock Forest

Landform: Side-hill, Upper 3rd

Slope: Extremely Steep (over 30%)

Aspect: Northeast

Notes:

Visit date: 7/15/2004

Ecological Health: Fair.

% Tree canopy: 75%

% Non-Native Cover: 10

General Note:

Species of Interest: LICO, RIBR, CONU4, PREM. Trails used heavily by mountain bikers--informal trails being created. Gasline and oil line run through and along edge of unit. Noise from industrial area off Hwy 30 heard everywhere in unit.

Management Note:

Invasives mostly present along roads and trail with forbs dominating the mix. ILAQ clumps scattered in interior, CLVI growing in a couple of spots.

Eco Note:

Unit is a complex of ravines trending northeast. Canopy is mainly deciduous with conifers present on ridge tops. An unusually large population of PSME regeneration was found in unit. Also there is good diversity throughout--with both plants and structure. Brushy thickets creating nice bird habitat run down ravines.

Wetland indicators: Hydrophilic Vegetation.

Primary Management concerns: Invasives, Domestic Animals, Litter, Mountain Bike Impact, Informal Trails.

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			
Pseudotsuga menziesii (Douglas fir)	10% to 20%	Y	20-30"		
Berberis nervosa (Oregon grape)	10% to 20%				
Acer circinatum (vine maple)	1% to 10%	Y			
Alnus rubra (red alder)	1% to 10%		10-20"		
Thuja plicata (western red cedar)	1% to 10%		5-10"		
Tsuga heterophylla (western hemlock)	1% to 10%		0-5"		
Holodiscus discolor (oceanspray)	1% to 10%				
Montia sibirica (Siberian minerslettuce)	1% to 10%				
Osmorhiza chilensis (mountain sweet-cicely)	1% to 10%				
Rubus parviflorus (thimbleberry)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Rubus ursinus (trailing blackberry)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Symphoricarpos albus (snowberry)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Arbutus menziesii (Pacific madrone)	trace		5-10"		
Prunus emarginata (bitter cherry)	trace		5-10"		
Cornus nuttallii (Pacific dogwood)	trace		0-5"		
Alliaria petiolata (garlic mustard)	trace				
Cirsium arvense (Canadian Thistle)	trace				
Cirsium vulgare (bull thistle)	trace				
Clematis vitalba (clematis)	trace				
Dactylis glomerata (orchard grass)	trace				
Galium aparine (cleavers)	trace				
Geranium robertianum (herb-Robert)	trace				
Geum urbanum (herb bennet)	trace				
Holcus lanatus (velvet grass)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Lilium columbianum (tiger-lily)	trace				
Melissa officinalis (lemon balm)	trace				
Phalaris arundinacea (reed canarygrass)	trace				
Plantago major (common plantain)	trace				
Prunella vulgaris (healall)	trace				
Ranunculus repens (creeping buttercup)	trace				
Ribes bracteosum (stink currant)	trace				
Rubus discolor (Himalayan blackberry)	trace				
Rubus laciniatus (evergreen blackberry)	trace				
Rumex obtusifolius (bitter dock)	trace				
Taraxacum officinale (common dandelion)	trace				

Unit FP*188

Size: 24.71 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: Steep (20 to 30%)

Aspect: Southeast

Notes:

Visit date: 7/15/2004

Ecological Health: Good.

% Tree canopy: 75%

% Non-Native Cover: trace

General Note:

Species of Interest: QUGA, LICO. Trail maintenance is being done by an AmeriCorps crew.

Management Note:

Unit has few invasives--all of them non-woody with the exception of an ILAQ sprout.

Eco Note:

This unit is a steep northeast facing slope. Douglas firs are fairly large here--averaging 30-40" DBH. Plant communities are diverse and stand structure is good. This unit, unlike most of Forest Park, is QUIET--sounds from Hwy 30 industrial area are absent! Only an occasional plane is heard. Spotted a Wilson's warbler in brush off Wildwood trail. ALRU DBH: 32.2"

Wetland indicators: Streams, Hydrophilic Vegetation.

Primary Management concerns: Invasives.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	>30"	Y	
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"	Y	
Polystichum munitum (sword fern)	20% to 50%	Y			
Alnus rubra (red alder)	10% to 20%		5-10"		
Rubus parviflorus (thimbleberry)	10% to 20%				
Athyrium filix-femina (ladyfern)	1% to 10%				
Berberis nervosa (Oregon grape)	1% to 10%				
Holodiscus discolor (oceanspray)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Montia sibirica (Siberian minerslettuce)	1% to 10%				
Rubus ursinus (trailing blackberry)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Quercus garryana (Oregon white oak)	trace		10-20"		
Tsuga heterophylla (western hemlock)	trace		0-5"	Y	
Galium aparine (cleavers)	trace				
Geranium robertianum (herb-Robert)	trace				
Geum urbanum (herb bennet)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Lilium columbianum (tiger-lily)	trace				
Phalaris arundinacea (reed canarygrass)	trace				
Plantago major (common plantain)	trace				
Ranunculus repens (creeping buttercup)	trace				
Rubus discolor (Himalayan blackberry)	trace				
Rumex obtusifolius (bitter dock)	trace				

Unit FP*189

Size: 40.52 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, Upper 3rd

Slope: Extremely Steep (over 30%)

Aspect: North

Notes:

Visit date: 7/15/2004

Ecological Health: Good.

% Tree canopy: 75%

% Non-Native Cover: 5

General Note:

Moderately steep unit including Ridge trail, Wildwood and adjacent to Leif Erickson. Species of Interest: LICO, CONU, TABR.

Management Note:

Most weeds along road and trails except GERO in patches.

Wetland indicators: Streams, Hydrophilic Vegetation.

Primary Management concerns: Invasives.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Polystichum munitum (sword fern)	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	
Alnus rubra (red alder)	20% to 50%	Y	10-20"		
Berberis nervosa (Oregon grape)	10% to 20%	Y			
Corylus cornuta (western beaked hazelnut)	1% to 10%				
Galium aparine (cleavers)	1% to 10%				
Gaultheria shallon (salal)	1% to 10%				
Holodiscus discolor (oceanspray)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Montia sibirica (Siberian minerslettuce)	1% to 10%				
Rubus ursinus (trailing blackberry)	1% to 10%				
Symphoricarpos albus (snowberry)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Viola glabella (stream violet)	1% to 10%				
Prunus emarginata (bitter cherry)	trace		5-10"		
Taxus brevifolia (Pacific yew)	trace		5-10"		
Cornus nuttallii (Pacific dogwood)	trace		0-5"		
Corylus avellana (common filbert)	trace				
Geranium robertianum (herb-Robert)	trace				
Geum urbanum (herb bennet)	trace				
Hypericum perforatum (common St. John's wort)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Lilium columbianum (tiger-lily)	trace				
Plantago major (common plantain)	trace				
Ranunculus repens (creeping buttercup)	trace				
Rumex obtusifolius (bitter dock)	trace				

Unit FP*190

Size: 45.88 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: North

Notes:

Visit date: 9/16/2004

Ecological Health: Good.

% Tree canopy: 80%

% Non-Native Cover: trace

General Note:

Unit is bounded by Leif Erickson Dr., Hardesty Trail, Firelane 7, and an unnamed creek.

Management Note:

There is a blown out culvert along Wildwood trail at eastern boundary of unit. Holly removal has taken place along the eastern ridge above the Wildwood trail.

Eco Note:

This unit has high tree, shrub, and forb diversity.

Wetland indicators: Streams, Hydrophilic Vegetation, Saturated Soils.

Primary Management concerns: Invasives, Litter, Utility Infrastructure, 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	
Polystichum munitum (sword fern)	20% to 50%	Y			
Acer circinatum (vine maple)	10% to 20%	Y			
Thuja plicata (western red cedar)	10% to 20%		10-20"	Y	
Tsuga heterophylla (western hemlock)	10% to 20%		10-20"	Y	
Alnus rubra (red alder)	10% to 20%		5-10"		
Rubus spectabilis (salmonberry)	10% to 20%				
Abies grandis (grand fir)	1% to 10%		5-10"	Y	
Achlys triphylla (vanillaleaf)	1% to 10%				
Athyrium filix-femina (ladyfern)	1% to 10%				
Berberis nervosa (Oregon grape)	1% to 10%				
Oxalis oregana (Oregon woodsorrel)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Smilacina stellata (starry false-Solomon's seal)	1% to 10%				
Tolmiea menziesii (piggy-back plant)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Sorbus aucuparia (European mountain ash)	trace		0-5"		
Alliaria petiolata (garlic mustard)	trace				
Asarum caudatum (wild ginger)	trace				
Blechnum spicant (deer fern)	trace				
Clematis vitalba (clematis)	trace				
Crataegus monogyna (European hawthorn)	trace				
Geranium robertianum (herb-Robert)	trace				
Geum urbanum (herb bennet)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Plantago major (common plantain)	trace				
Polypodium glycyrrhiza (licorice fern)	trace				
Ranunculus repens (creeping buttercup)	trace				
Rhododendron macrophyllum (rhododendron)	trace				
Ribes bracteosum (stink currant)	trace				
Rubus discolor (Himalayan blackberry)	trace				
Rumex obtusifolius (bitter dock)	trace				

Unit FP*191

Size: 41.15 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: North

Notes:

Visit date: 8/16/2004

Ecological Health: Good.

% Tree canopy: 70%

% Non-Native Cover: trace

General Note:

Unit is intersected by Springville Road and Firelane 7 in the eastern portion. A small segment of the Wildwood Trail enters the unit in the northeast corner.

Management Note:

Invasives mostly restricted to Springville Road and Firelane 7.

Eco Note:

Unit is a series of ravines and ridges trending north. Dominated by deciduous canopy. Tree and shrub diversity is high, creating good stand structure. Large stumps and downed wood throughout.

Primary Management concerns: Invasives, Litter.

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			
Acer circinatum (vine maple)	10% to 20%	Y			
Berberis nervosa (Oregon grape)	10% to 20%	Y			
Alnus rubra (red alder)	10% to 20%		10-20"		
Thuja plicata (western red cedar)	1% to 10%		10-20"	Y	
Tsuga heterophylla (western hemlock)	1% to 10%		10-20"	Y	
Abies grandis (grand fir)	1% to 10%		5-10"		
Oemleria cerasiformis (Indian-plum)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Urtica dioica (stinging nettle)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Cornus nuttallii (Pacific dogwood)	trace		5-10"		
Prunus avium (sweet pie cherry)	trace		0-5"		
Arctium minus (lesser burdock)	trace				
Cirsium arvense (Canadian Thistle)	trace				
Clematis vitalba (clematis)	trace				
Corylus avellana (common filbert)	trace				
Crataegus monogyna (European hawthorn)	trace				
Daucus carota (Queen Anne's lace)	trace				
Galium aparine (cleavers)	trace				
Geranium robertianum (herb-Robert)	trace				
Geum urbanum (herb bennet)	trace				
Glecoma hederacea (Ground-ivy)	trace				
Holcus lanatus (velvet grass)	trace				
Hypochaeris radicata (hairy cats-ear)	trace				
Ilex aquafolium (English holly)	trace				
Lapsana communis (common nipplewort)	trace				
Lilium columbianum (tiger-lily)	trace				
Melissa officinalis (lemon balm)	trace				
Plantago major (common plantain)	trace				
Ranunculus repens (creeping buttercup)	trace				
Rumex obtusifolius (bitter dock)	trace				
Senecio jacobaea (tansy ragwort)	trace				
Taraxacum officinale (common dandelion)	trace				
Trifolium repens (common clover)	trace				

Unit FP*192

Size: 16.17 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, Upper 3rd

Slope: Extremely Steep (over 30%)

Aspect: East

Notes:

Visit date: 8/16/2004

Ecological Health: Good.

% Tree canopy: 70%

% Non-Native Cover: trace

General Note:

Unit bounded by Skyline Drive to the west. Wildwood Trail runs through northeast corner.

Species of interest: RIBR.

Management Note:

THPLs found in lower areas, especially near the creek at the bottom of unit.

Eco Note:

Lots of small woody debris on the ground.

Many dead and dying shrubs, especially SARA and OECE.

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

Primary Management concerns: Invasives, Large Refuse.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	50% to 75%	Y	10-20"	Y	
Acer circinatum (vine maple)	10% to 20%	Y			
Polystichum munitum (sword fern)	10% to 20%	Y			
Rubus spectabilis (salmonberry)	10% to 20%	Y			
Alnus rubra (red alder)	10% to 20%		10-20"		
Thuja plicata (western red cedar)	1% to 10%		5-10"		
Athyrium filix-femina (ladyfern)	1% to 10%				
Berberis nervosa (Oregon grape)	1% to 10%				
Montia sibirica (Siberian minerslettuce)	1% to 10%				
Oemleria cerasiformis (Indian-plum)	1% to 10%				
Rubus ursinus (trailing blackberry)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Galium aparine (cleavers)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Ribes bracteosum (stink currant)	trace				

Unit FP*193

Size: 26.77 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, Upper 3rd

Slope: Extremely Steep (over 30%)

Aspect: Southeast

Notes:

Visit date: 7/19/2004

Ecological Health: Good.

% Tree canopy: 80%

% Non-Native Cover: 5

General Note:

Bounded by Hardesty Trail on south, Leif Erickson on east, and Springville on west.

Management Note:

There is some study involving numbering of ILAQ trees.

Eco Note:

TSHE DBH: 41.5".

Wetland indicators: Streams, Hydrophilic Vegetation, Saturated Soils.

Primary Management concerns: Invasives, Litter, Informal Trails.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Tsuga heterophylla (western hemlock)	20% to 50%	Y	20-30"	Y	

Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"	Y
Polystichum munitum (sword fern)	20% to 50%	Y		
Pseudotsuga menziesii (Douglas fir)	10% to 20%	Y	>30"	Y
Acer circinatum (vine maple)	10% to 20%	Y		
Berberis nervosa (Oregon grape)	10% to 20%	Y		
Alnus rubra (red alder)	1% to 10%		10-20"	
Thuja plicata (western red cedar)	1% to 10%		5-10"	Y
Athyrium filix-femina (ladyfern)	1% to 10%			
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%			
Ilex aquafolium (English holly)	1% to 10%			
Lactuca muralis (wall lettuce)	1% to 10%			
Montia sibirica (Siberian minerslettuce)	1% to 10%			
Rubus spectabilis (salmonberry)	1% to 10%			
Rubus ursinus (trailing blackberry)	1% to 10%			
Vaccinium parvifolum (red huckleberry)	1% to 10%			
Abies grandis (grand fir)	trace		5-10"	Y
Clematis vitalba (clematis)	trace			
Corylus avellana (common filbert)	trace			
Erigeron annuus (annual eastern daisy Fleabane)	trace			
Galium aparine (cleavers)	trace			
Geranium robertianum (herb-Robert)	trace			
Geum urbanum (herb bennet)	trace			
Hedera helix (English ivy)	trace			
Lapsana communis (common nipplewort)	trace			
Oxalis oregana (Oregon woodsorrel)	trace			
Plantago major (common plantain)	trace			
Ranunculus repens (creeping buttercup)	trace			
Rubus discolor (Himalayan blackberry)	trace			
Rumex obtusifolius (bitter dock)	trace			

Unit FP*194

Size: 16.56 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, Upper 3rd
Slope: Extremely Steep (over 30%)
Aspect: Northeast
Notes:

Visit date: 7/19/2004

Ecological Health: Fair.
% Tree canopy: 70%
% Non-Native Cover: 15
General Note:

Steps and foundation for a small structure found on north side of unit near intersection of Leif Erickson and Springville road. Planted horticulture species--plumes, walnut, cherry. Species of Interest: LICO, LOCI3, TABR.

Management Note:

Invasives run throughout unit--especially HEHE and GERO. Several ILAQ scattered in interior of unit.

Eco Note:

Unit is a north facing ridge, sloping east into a large draw. Mostly deciduous with evidence of disturbance caused by roads and buildings for a home site or utility structure. Forb diversity is good despite invasive forb cover. TABR dbh:13.84

Wetland indicators: Hydrophilic Vegetation.
Primary Management concerns: Invasives, Soil Compaction, Litter, Large Refuse, Hardscape Infrastructure, 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			

Alnus rubra (red alder)	10% to 20%	10-20"	
Juglans nigra (black walnut)	1% to 10%	5-10"	Y
Prunus sp. (cultivated cherry tree)	1% to 10%	5-10"	Y
Thuja plicata (western red cedar)	1% to 10%	0-5"	Y
Berberis nervosa (Oregon grape)	1% to 10%		
Geranium robertianum (herb-Robert)	1% to 10%		
Hedera helix (English ivy)	1% to 10%		
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%		
Ilex aquafolium (English holly)	1% to 10%		
Melissa officinalis (lemon balm)	1% to 10%		
Montia sibirica (Siberian minerslettuce)	1% to 10%		
Rubus ursinus (trailing blackberry)	1% to 10%		
Tolmiea menziesii (piggy-back plant)	1% to 10%		
Vaccinium parvifolum (red huckleberry)	1% to 10%		
Populus balsamifera ssp. trichocarpa (black cott	trace	10-20"	
Taxus brevifolia (Pacific yew)	trace	10-20"	
Castanea dentata (American chestnut)	trace	0-5"	Y
Prunus cerasifera (cherry plum)	trace	0-5"	
Pseudotsuga menziesii (Douglas fir)	trace	0-5"	Y
Tsuga heterophylla (western hemlock)	trace	0-5"	Y
Cirsium arvense (Canadian Thistle)	trace		
Clematis vitalba (clematis)	trace		
Corylus avellana (common filbert)	trace		
Galium aparine (cleavers)	trace		
Geum urbanum (herb bennet)	trace		
Glecoma hederacea (Ground-ivy)	trace		
Hypericum perforatum (common St. John's wort)	trace		
Lactuca muralis (wall lettuce)	trace		
Lapsana communis (common nipplewort)	trace		
Lilium columbianum (tiger-lily)	trace		
Lonicera ciliosa (western orange honeysuckle)	trace		
Plantago major (common plantain)	trace		
Prunus laurocerasus (English laurel)	trace		
Ranunculus repens (creeping buttercup)	trace		
Rubus discolor (Himalayan blackberry)	trace		
Rumex obtusifolius (bitter dock)	trace		
Vinca minor (common small-leaf periwinkle)	trace		

Unit FP*195

Size: 19.61 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, Middle 3rd
Slope: Extremely Steep (over 30%)
Aspect: Northwest
Notes:

Visit date: 7/19/2004

Ecological Health: Good.
% Tree canopy: 70%
% Non-Native Cover: 5
General Note:
Unit bounded by Leif Erickson on north, Wildwood trail/Springville road on east, creek on west.
Management Note:
Area of blowdown near NW corner above Leif Erickson may be subject to invasives.
Eco Note:
GERO mostly located along Springville/Leif Erickson Road but also spotty within unit.
Wetland indicators: Streams, Hydrophilic Vegetation, Saturated Soils, Standing Flowing Water.
Primary Management concerns: Invasives, Large Refuse.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	>30"	Y	
Polystichum munitum (sword fern)	20% to 50%	Y			
Acer circinatum (vine maple)	10% to 20%	Y			
Berberis nervosa (Oregon grape)	10% to 20%	Y			
Tsuga heterophylla (western hemlock)	10% to 20%		20-30"	Y	
Acer macrophyllum (bigleaf maple)	10% to 20%		10-20"	Y	
Abies grandis (grand fir)	1% to 10%		10-20"	Y	
Alnus rubra (red alder)	1% to 10%		10-20"		
Thuja plicata (western red cedar)	1% to 10%		10-20"	Y	
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Montia sibirica (Siberian minerslettuce)	1% to 10%				
Sorbus aucuparia (European mountain ash)	trace		0-5"		
Asarum caudatum (wild ginger)	trace				
Campanula scouleri (Scouler's bellflower)	trace				
Clematis vitalba (clematis)	trace				
Convolvulus arvensis (morning glory)	trace				
Galium aparine (cleavers)	trace				
Geranium robertianum (herb-Robert)	trace				
Hedera helix (English ivy)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Plantago major (common plantain)	trace				
Rubus discolor (Himalayan blackberry)	trace				
Rumex obtusifolius (bitter dock)	trace				
Senecio jacobaea (tansy ragwort)	trace				

Unit FP*196

Size: 32.97 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, Middle 3rd
Slope: Extremely Steep (over 30%)
Aspect: East
Notes:

Visit date: 7/19/2004
Ecological Health: Good.
% Tree canopy: 80%
% Non-Native Cover: 5
General Note:
Species of Interest: LICO
Management Note:
Invasive forbs along trails and roads. ILAQ clump found in interior.
Eco Note:
Unit is a steep west facing slope with good structure and diversity. Conifers dominate the unit--PSME measured at 71.5"dbh. Juvenile winter wren spotted, signs of a Pileated woodpecker on most of snags. Downed wood and snags prevalent. Wildwood trail runs through center of unit and Leif Erickson borders small section on northeast edge.
Wetland indicators: Streams, Hydrophilic Vegetation, Saturated Soils, Standing Flowing Water.
Primary Management concerns: Invasives.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	>30"		
Polystichum munitum (sword fern)	20% to 50%	Y			

Acer macrophyllum (bigleaf maple)	20% to 50%	10-20"	Y
Tsuga heterophylla (western hemlock)	10% to 20%	>30"	Y
Thuja plicata (western red cedar)	1% to 10%	20-30"	Y
Alnus rubra (red alder)	1% to 10%	10-20"	
Berberis nervosa (Oregon grape)	1% to 10%		
Rubus spectabilis (salmonberry)	1% to 10%		
Rubus ursinus (trailing blackberry)	1% to 10%		
Vaccinium parvifolum (red huckleberry)	1% to 10%		
Castanea dentata (American chestnut)	trace	0-5"	Y
Corylus avellana (common filbert)	trace		
Erigeron annuus (annual eastern daisy Fleabane)	trace		
Geranium robertianum (herb-Robert)	trace		
Geum urbanum (herb bennet)	trace		
Ilex aquafolium (English holly)	trace		
Lactuca muralis (wall lettuce)	trace		
Lilium columbianum (tiger-lily)	trace		
Maianthemum dilatatum (false lily-of-the-valley)	trace		
Plantago major (common plantain)	trace		
Ranunculus repens (creeping buttercup)	trace		
Rubus discolor (Himalayan blackberry)	trace		
Rumex obtusifolius (bitter dock)	trace		
Tiarella trifoliata (foamflower)	trace		

Unit FP*197

Size: 34.99 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, Middle 3rd
Slope: Extremely Steep (over 30%)
Aspect: Northeast
Notes:

Visit date: 7/20/2004

Ecological Health: Good.
% Tree canopy: 80%
% Non-Native Cover: trace
General Note:

The northwest edge is bordered by a creek that has water being released in to it from a water tower above on Skyline Blvd. Water has a strong chlorine odor - especially near tower. Species of Interest is Ribes Bracteosum.

Management Note:

A few ILAQ clumps found in interior. Invasive forbs along road / trails.

Eco Note:

Unit is a northeast trending ridge with low invasive presence. Southwest edge borders a residential area off Skyline Blvd, northeast edge borders Leif Erickson Dr.

Wetland indicators: Streams, Hydrophilic Vegetation, Saturated Soils, Standing Flowing Water.
Primary Management concerns: Invasives, Trampling, Domestic Animals.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Pseudotsuga menziesii (Douglas fir)	50% to 75%	Y	20-30"		
Polystichum munitum (sword fern)	20% to 50%	Y			
Acer circinatum (vine maple)	10% to 20%	Y			
Acer macrophyllum (bigleaf maple)	10% to 20%		10-20"	Y	
Tsuga heterophylla (western hemlock)	1% to 10%		20-30"	Y	
Thuja plicata (western red cedar)	1% to 10%		10-20"	Y	
Alnus rubra (red alder)	1% to 10%		5-10"	Y	
Berberis nervosa (Oregon grape)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				

Rubus spectabilis (salmonberry)	1% to 10%			
Vaccinium parvifolum (red huckleberry)	1% to 10%			
Vancouveria hexandra (white inside-out-flower)	1% to 10%			
Abies grandis (grand fir)	trace		0-5"	Y
Galium aparine (cleavers)	trace			
Ilex aquafolium (English holly)	trace			
Lactuca muralis (wall lettuce)	trace			
Lapsana communis (common nipplewort)	trace			
Plantago major (common plantain)	trace			
Ranunculus repens (creeping buttercup)	trace			
Rumex obtusifolius (bitter dock)	trace			

Unit FP*198

Size: 18.44 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, Middle 3rd
Slope: Extremely Steep (over 30%)
Aspect: Southeast
Notes:

Visit date: 7/20/2004

Ecological Health: Fair.
% Tree canopy: 75%
% Non-Native Cover: 5
General Note:

Unit is a sidehill with an artificial creek at the bottom. The upper end of the unit almost reaches Skyline Blvd. The bottom end almost reaches Leif Erickson Dr.

Management Note:

There is a water tower on the ridge above this unit that is spilling water and causing the creek to fill.

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

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

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Pseudotsuga menziesii (Douglas fir)	50% to 75%	Y	>30"		
Acer circinatum (vine maple)	20% to 50%	Y			
Polystichum munitum (sword fern)	20% to 50%	Y			
Acer macrophyllum (bigleaf maple)	10% to 20%		5-10"	Y	
Thuja plicata (western red cedar)	1% to 10%		10-20"	Y	
Tsuga heterophylla (western hemlock)	1% to 10%		10-20"	Y	
Berberis nervosa (Oregon grape)	1% to 10%				
Corylus cornuta (western beaked hazelnut)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Taxus brevifolia (Pacific yew)	trace		5-10"		
Galium aparine (cleavers)	trace				
Hedera helix (English ivy)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Lonicera ciliosa (western orange honeysuckle)	trace				
Monotropa uniflora (indianpipe)	trace				
Oxalis oregana (Oregon woodsorrel)	trace				
Plantago major (common plantain)	trace				
Ranunculus repens (creeping buttercup)	trace				
Rumex obtusifolius (bitter dock)	trace				

Viola sempervirens (evergreen redwood violet)	trace

Unit FP*199

Size: 14.59 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, Middle 3rd
Slope: Extremely Steep (over 30%)
Aspect: East

Visit date: 7/20/2004

Ecological Health: Fair.
% Tree canopy: 75%
% Non-Native Cover: 5
General Note:

Ridge and sidehill surrounded on three sides by Leif Erickson Drive.

Management Note:

Well-used informal trail from Leif Erickson Trail up ridge and probably extending to Wildwood Trail.
Leif Erickson and informal trail are the sites of highest weed cover.
Flag line running through unit.

Primary Management concerns: Invasives, 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	10-20"	Y	
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	10-20"		
Berberis nervosa (Oregon grape)	20% to 50%	Y			
Acer circinatum (vine maple)	10% to 20%	Y			
Thuja plicata (western red cedar)	1% to 10%		10-20"		
Tsuga heterophylla (western hemlock)	1% to 10%		10-20"		
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Oemleria cerasiformis (Indian-plum)	1% to 10%				
Osmorhiza chilensis (mountain sweet-cicely)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Galium aparine (cleavers)	trace				
Geranium robertianum (herb-Robert)	trace				
Hedera helix (English ivy)	trace				
Holcus lanatus (velvet grass)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Lilium columbianum (tiger-lily)	trace				
Melissa officinalis (lemon balm)	trace				
Plantago major (common plantain)	trace				
Ranunculus repens (creeping buttercup)	trace				
Rumex obtusifolius (bitter dock)	trace				
Senecio jacobaea (tansy ragwort)	trace				

Unit FP*200

Size: 31.60 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: CES204.001 North Pacific Maritime Dry-Mesic Douglas-fir-Western Hemlock Forest
Landform: Side-hill, Middle 3rd
Slope: Extremely Steep (over 30%)
Aspect: Northeast
Notes:

Visit date: 7/21/2004
Ecological Health: Good.
% Tree canopy: 80%
% Non-Native Cover: 5
General Note:
Unit was long and narrow running along a single NE facing ridge. There was a water tower at the top. Waterline trail runs through unit on south side of ridge. Species of interest LICO.
Management Note:
Outlet pipe at top of unit was spilling a significant amount of water. The source of this water or reason for the release is unknown. Invasives along trail. Large RUDI patch at top of trail.
Eco Note:
Very healthy unit good mix of vegetation. Main impacts coming from trail and water tower park.
Wetland indicators: Hydrophilic Vegetation.
Primary Management concerns: Invasives.
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"	Y	
Berberis nervosa (Oregon grape)	20% to 50%	Y			
Polystichum munitum (sword fern)	20% to 50%	Y			
Acer circinatum (vine maple)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Ranunculus repens (creeping buttercup)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Rubus ursinus (trailing blackberry)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Abies grandis (grand fir)	trace		0-5"	Y	
Prunus avium (sweet pie cherry)	trace		0-5"		
Thuja plicata (western red cedar)	trace		0-5"	Y	
Corylus avellana (common filbert)	trace				
Dactylis glomerata (orchard grass)	trace				
Galium aparine (cleavers)	trace				
Geum urbanum (herb bennet)	trace				
Glecoma hederacea (Ground-ivy)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Lilium columbianum (tiger-lily)	trace				
Plantago major (common plantain)	trace				
Rumex obtusifolius (bitter dock)	trace				
Viburnum edule (squashberry)	trace				

Unit FP*201

Size: 1.83 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: unknown
Slope: unknown

Aspect: unknown
Notes: Cultural unit consists of water tower and mowed park surrounding it.

Unit FP*202

Size: 19.51 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: East
Notes:

Visit date: 7/14/2004

Ecological Health: Good.
% Tree canopy: 75%
% Non-Native Cover: 5
General Note:

This unit is bordered by the north end of Leif Erickson Dr., Germantown Rd., and The Wildwood Trail.

Management Note:

There is relatively high diversity, but low concentrations of forbs in this unit.

Eco Note:

RIBR is species of interest.
STCO is hydrophilic vegetation.

Wetland indicators: Streams, Hydrophilic Vegetation.
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"		
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"	Y	
Tsuga heterophylla (western hemlock)	20% to 50%	Y	10-20"	Y	
Polystichum munitum (sword fern)	20% to 50%	Y			
Acer circinatum (vine maple)	10% to 20%	Y			
Berberis nervosa (Oregon grape)	10% to 20%	Y			
Alnus rubra (red alder)	1% to 10%		10-20"		
Oemleria cerasiformis (Indian-plum)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Abies grandis (grand fir)	trace		0-5"	Y	
Galium aparine (cleavers)	trace				
Geranium robertianum (herb-Robert)	trace				
Hedera helix (English ivy)	trace				
Ilex aquafolium (English holly)	trace				
Impatiens capensis (spotted orange touch-me-not)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Plantago major (common plantain)	trace				
Ranunculus repens (creeping buttercup)	trace				
Rubus discolor (Himalayan blackberry)	trace				
Stachys cooleyae (Cooley's hedgenettle)	trace				

Unit FP*203

Size: 5.98 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: East
Notes:

Visit date: 7/8/2004

Ecological Health: Fair.
% Tree canopy: 75%
General Note:

Unit is small knob surrounded by Germantown Road on three sides.
Somewhat noisy due to traffic.

Management Note:

Weeds are especially dense on the saddle.

Eco Note:

Hydrophilic vegetation consists of IMCA and STME.
Rare plant is LOCI.

Wetland indicators: Hydrophilic Vegetation.
Primary Management concerns: Invasives, Soil Contamination, 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			
Berberis nervosa (Oregon grape)	10% to 20%	Y			
Symphoricarpos albus (snowberry)	10% to 20%	Y			
Pseudotsuga menziesii (Douglas fir)	1% to 10%		10-20"		
Thuja plicata (western red cedar)	1% to 10%		5-10"	Y	
Circaea alpina (enchanter's-nightshade)	1% to 10%				
Geranium robertianum (herb-Robert)	1% to 10%				
Hedera helix (English ivy)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Montia sibirica (Siberian minerslettuce)	1% to 10%				
Rosa gymnocarpa (dwarf wood rose)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Cirsium arvense (Canadian Thistle)	trace				
Cirsium vulgare (bull thistle)	trace				
Galium aparine (cleavers)	trace				
Holcus lanatus (velvet grass)	trace				
Hypericum perforatum (common St. John's wort)	trace				
Ilex aquafolium (English holly)	trace				
Impatiens capensis (spotted orange touch-me-not)	trace				
Lapsana communis (common nipplewort)	trace				
Leucanthemum vulgare (oxeye daisy)	trace				
Lonicera ciliosa (western orange honeysuckle)	trace				
Plantago major (common plantain)	trace				
Ranunculus repens (creeping buttercup)	trace				
Rumex obtusifolius (bitter dock)	trace				

Unit FP*204

Size: 8.53 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: CES204.001 North Pacific Maritime Dry-Mesic Douglas-fir-Western Hemlock Forest
Landform: Side-hill, Middle 3rd
Slope: Extremely Steep (over 30%)
Aspect: Northeast
Notes:

Visit date: 9/2/2003

Ecological Health: Good.

% Tree canopy: 70%

% Non-Native Cover: not recorded

General Note:

The unit was located in Forest Park south of the Leif Erickson Rd just east of Germantown Rd.

Management Note:

The unit did have a few invasives that needed to be removed. The unit was also being impacted from the trail and should be monitored to reduce these impacts.

Eco Note:

The unit was in good health and had good structural and species diversity. The terrain consisted of several ridges with some small seasonal drainages. There was also a lot of game trails running through unit.

Wetland indicators: Hydrophilic Vegetation.

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	
Berberis nervosa (Oregon grape)	20% to 50%	Y			
Polystichum munitum (sword fern)	20% to 50%				
Abies grandis (grand fir)	10% to 20%		20-30"	Y	
Pseudotsuga menziesii (Douglas fir)	10% to 20%		20-30"		
Tsuga heterophylla (western hemlock)	10% to 20%		20-30"	Y	
Alnus rubra (red alder)	10% to 20%		10-20"		
Thuja plicata (western red cedar)	10% to 20%		10-20"	Y	
Acer circinatum (vine maple)	1% to 10%				
Achlys triphylla (vanillaleaf)	1% to 10%				
Adiantum pedatum (maidenhair fern)	1% to 10%				
Athyrium filix-femina (ladyfern)	1% to 10%				
Disporum hookeri (Hooker's fairybells)	1% to 10%				
Ribes sanguineum (red-flowering currant)	1% to 10%				
Rosa gymnocarpa (dwarf wood rose)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Rubus ursinus (trailing blackberry)	1% to 10%				
Smilacina racemosa (false Solomon's-seal)	1% to 10%				
Smilacina stellata (starry false-Solomon's seal)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Anemone deltoidea (three-leaf anemone)	trace				
Asarum caudatum (wild ginger)	trace				
Carex deweyana (Dewey sedge)	trace				
Carex hendersonii (Henderson's wood sedge)	trace				
Osmorhiza chilensis (mountain sweet-cicely)	trace				
Rubus discolor (Himalayan blackberry)	trace				
Tolmiea menziesii (piggy-back plant)	trace				

Unit FP*205

Size: 8.63 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: North

Notes:

Visit date: 9/2/2003

Ecological Health: Good.

% Tree canopy: 85%
% Non-Native Cover: not recorded
General Note:

Management Note:
Remove ILAQ bushes (located in lower half of unit).
Eco Note:
RUSP is dominant in the creek bottom but sparse elsewhere. Unit has many regenerating conifers (THPL, TSHE, ABGR).
Wetland indicators: Hydrophilic Vegetation.
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"		
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"	Y	
Tsuga heterophylla (western hemlock)	20% to 50%	Y	10-20"	Y	
Berberis nervosa (Oregon grape)	20% to 50%	Y			
Polystichum munitum (sword fern)	20% to 50%	Y			
Abies grandis (grand fir)	10% to 20%		20-30"	Y	
Thuja plicata (western red cedar)	10% to 20%		5-10"	Y	
Rubus spectabilis (salmonberry)	10% to 20%				
Vaccinium parvifolum (red huckleberry)	10% to 20%				
Alnus rubra (red alder)	1% to 10%		10-20"		
Achlys triphylla (vanillaleaf)	1% to 10%				
Oemleria cerasiformis (Indian-plum)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Smilacina stellata (starry false-Solomon's seal)	1% to 10%				
Asarum caudatum (wild ginger)	trace				
Geranium robertianum (herb-Robert)	trace				
Ilex aquafolium (English holly)	trace				
Stachys cooleyae (Cooley's hedgenettle)	trace				

Unit FP*206

Size: 10.27 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: CES204.001 North Pacific Maritime Dry-Mesic Douglas-fir-Western Hemlock Forest
Landform: Side-hill, Middle 3rd
Slope: Extremely Steep (over 30%)
Aspect: East
Notes:

Visit date: 7/21/2004
Ecological Health: Good.
% Tree canopy: 75%
% Non-Native Cover: trace
General Note:

Management Note:
Few weeds in unit interior and on informal trails.
If ILAQ were removed, this unit could be rated 1 for "Ecohealth."
Eco Note:
Few tall shrubs.
Forb diversity low due to high cover of BENE and POMU.

Wetland indicators: Streams, Hydrophilic Vegetation.
Primary Management concerns: Invasives, 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"	Y	
Berberis nervosa (Oregon grape)	20% to 50%	Y			
Polystichum munitum (sword fern)	20% to 50%	Y			
Alnus rubra (red alder)	1% to 10%		5-10"		
Thuja plicata (western red cedar)	1% to 10%		5-10"	Y	
Acer circinatum (vine maple)	1% to 10%				
Montia sibirica (Siberian minerslettuce)	1% to 10%				
Rosa gymnocarpa (dwarf wood rose)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Abies grandis (grand fir)	trace		5-10"	Y	
Sorbus aucuparia (European mountain ash)	trace		0-5"		
Geranium robertianum (herb-Robert)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Ribes sanguineum (red-flowering currant)	trace				
Rubus discolor (Himalayan blackberry)	trace				
Vaccinium parvifolum (red huckleberry)	trace				

Unit FP*207

Size: 8.68 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: North
Notes:

Visit date: 7/14/2004

Ecological Health: Good.
% Tree canopy: 75%
% Non-Native Cover: trace
General Note:

This unit consists of 2 small creeks that converge in the middle. There is a sizable Elk trail that follows the larger creek up through the unit.

Management Note:

This unit has a large area of blown down Alder and Maple at the confluence of 2 creeks.

Wetland indicators: Streams, Saturated Soils, Standing Flowing Water.
Primary Management concerns: Invasives, Litter.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	>30"		
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"	Y	
Polystichum munitum (sword fern)	20% to 50%	Y			
Rubus spectabilis (salmonberry)	10% to 20%				
Alnus rubra (red alder)	1% to 10%		10-20"		
Thuja plicata (western red cedar)	1% to 10%		5-10"	Y	
Berberis nervosa (Oregon grape)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Montia sibirica (Siberian minerslettuce)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Abies grandis (grand fir)	trace		0-5"	Y	
Tsuga heterophylla (western hemlock)	trace		0-5"	Y	
Galium aparine (cleavers)	trace				
Geranium robertianum (herb-Robert)	trace				

Ilex aquafolium (English holly)	trace
Lactuca muralis (wall lettuce)	trace

Unit FP*208

Size: 5.26 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: Ridge top/peak > 120'
Slope: Gentle (5 to 10%)
Aspect: Northeast
Notes:

Visit date: 7/14/2004

Ecological Health: Fair.
% Tree canopy: 75%
% Non-Native Cover: trace
General Note:

The unit consists primarily of a ridge top with several creeks draining away in different directions.

Management Note:

There is much sign of Elk in this unit (trails, browsing, hoof prints).

Eco Note:

Most invasives are located along informal trails within the unit.

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	
Alnus rubra (red alder)	20% to 50%	Y	10-20"		
Polystichum munitum (sword fern)	20% to 50%	Y			
Berberis nervosa (Oregon grape)	10% to 20%	Y			
Hydrophyllum tenuipes (Pacific waterleaf)	10% to 20%				
Smilacina stellata (starry false-Solomon's seal)	10% to 20%				
Galium aparine (cleavers)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Montia sibirica (Siberian minerslettuce)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Abies grandis (grand fir)	trace		5-10"		
Thuja plicata (western red cedar)	trace		0-5"	Y	
Geum urbanum (herb bennet)	trace				
Rumex obtusifolius (bitter dock)	trace				

Unit FP*209

Size: 10.72 Acres
NVCS Class: Forest
NVCS Subclass: Evergreen forest
NVCS Group: Temperate needle-leaved evergreen forest
NVCS SubGroup: Natural / Semi-natural
NVCS Ecological System: CES204.001 North Pacific Maritime Dry-Mesic Douglas-fir-Western Hemlock Forest
Landform: Side-hill, Middle 3rd
Slope: Extremely Steep (over 30%)
Aspect: West

Notes:

Visit date: 7/14/2004

Ecological Health: Good.
% Tree canopy: 80%
% Non-Native Cover: 5
General Note:

Management Note:

There was once a large shack on the southern ridge of this unit that has been demolished by a fallen Maple.

Eco Note:

Rare plant was LICO.
Most of the invasive species are located along Germantown Rd.

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

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	20-30"		
Berberis nervosa (Oregon grape)	20% to 50%	Y			
Polystichum munitum (sword fern)	20% to 50%	Y			
Acer macrophyllum (bigleaf maple)	20% to 50%		10-20"	Y	
Abies grandis (grand fir)	1% to 10%		10-20"	Y	
Alnus rubra (red alder)	1% to 10%		10-20"		
Thuja plicata (western red cedar)	1% to 10%		5-10"	Y	
Geranium robertianum (herb-Robert)	1% to 10%				
Montia sibirica (Siberian minerslettuce)	1% to 10%				
Osmorhiza chilensis (mountain sweet-cicely)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Smilacina stellata (starry false-Solomon's seal)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Prunus emarginata (bitter cherry)	trace		5-10"		
Tsuga heterophylla (western hemlock)	trace		0-5"	Y	
Galium aparine (cleavers)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Lilium columbianum (tiger-lily)	trace				
Ranunculus repens (creeping buttercup)	trace				
Rumex obtusifolius (bitter dock)	trace				

Unit FP*210

Size: 46.24 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: East
Notes:

Visit date: 7/21/2004

Ecological Health: Fair.
% Tree canopy: 75%
General Note:

Gasline and oil pipeline run through unit--west to east.

Management Note:

Invasives (mainly forbs) concentrated around Leif Erickson, gas line, oil pipeline and east edge above St. Helens road.

Eco Note:

Unit is a complex of ridges trending east ending in a cliff overlooking St. Helens road. Dominated by a deciduous canopy--high shrubs and structure are absent. West edge of unit is bordered by Leif Erickson. Noise from industrial area heard throughout unit.

Wetland indicators: Streams, Hydrophilic Vegetation.

Primary Management concerns: Invasives, Utility Infrastructure, 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)	50% to 75%	Y			
Pseudotsuga menziesii (Douglas fir)	1% to 10%		>30"	Y	
Alnus rubra (red alder)	1% to 10%		10-20"		
Populus balsamifera ssp. trichocarpa (black cott	1% to 10%		10-20"		
Thuja plicata (western red cedar)	1% to 10%		0-5"	Y	
Acer circinatum (vine maple)	1% to 10%				
Achlys triphylla (vanillaleaf)	1% to 10%				
Alliaria petiolata (garlic mustard)	1% to 10%				
Berberis nervosa (Oregon grape)	1% to 10%				
Clematis vitalba (clematis)	1% to 10%				
Galium aparine (cleavers)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Montia sibirica (Siberian minerslettuce)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Rubus ursinus (trailing blackberry)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Tsuga heterophylla (western hemlock)	trace		0-5"	Y	
Erigeron annuus (annual eastern daisy Fleabane)	trace				
Geranium robertianum (herb-Robert)	trace				
Geum urbanum (herb bennet)	trace				
Hedera helix (English ivy)	trace				
Holcus lanatus (velvet grass)	trace				
Hypericum perforatum (common St. John's wort)	trace				
Ilex aquafolium (English holly)	trace				
Leucanthemum vulgare (oxeye daisy)	trace				
Melissa officinalis (lemon balm)	trace				
Phalaris arundinacea (reed canarygrass)	trace				
Plantago major (common plantain)	trace				
Ranunculus repens (creeping buttercup)	trace				
Rumex obtusifolius (bitter dock)	trace				
Toxicodendron diversilobum (poison oak)	trace				

Unit FP*211

Size: 40.00 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: CES204.001 North Pacific Maritime Dry-Mesic Douglas-fir-Western Hemlock Forest

Landform: Side-hill, Lower 3rd

Slope: Extremely Steep (over 30%)

Aspect: Northeast

Notes:

Visit date: 7/21/2004

Ecological Health: Fair.

% Tree canopy: 80%

General Note:

Cliff above St. Helens road. Species of Interest: TABR2

Management Note:

Lots of homeless camps.

Eco Note:

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

Primary Management concerns: Invasives, Litter, Homeless Camp, Informal Trails.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	>30"	Y	
Acer circinatum (vine maple)	10% to 20%	Y			
Berberis nervosa (Oregon grape)	10% to 20%	Y			
Acer macrophyllum (bigleaf maple)	10% to 20%		10-20"	Y	
Tsuga heterophylla (western hemlock)	1% to 10%		20-30"	Y	
Alnus rubra (red alder)	1% to 10%		10-20"		
Thuja plicata (western red cedar)	1% to 10%		10-20"		
Abies grandis (grand fir)	1% to 10%		5-10"	Y	
Galium aparine (cleavers)	1% to 10%				
Hedera helix (English ivy)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Rubus parviflorus (thimbleberry)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Taxus brevifolia (Pacific yew)	trace		0-5"		
Alliaria petiolata (garlic mustard)	trace				
Cirsium arvense (Canadian Thistle)	trace				
Cirsium vulgare (bull thistle)	trace				
Dactylis glomerata (orchard grass)	trace				
Geranium robertianum (herb-Robert)	trace				
Hypochaeris radicata (hairy cats-ear)	trace				
Ilex aquafolium (English holly)	trace				
Lapsana communis (common nipplewort)	trace				
Plantago major (common plantain)	trace				
Prunus laurocerasus (English laurel)	trace				
Ranunculus repens (creeping buttercup)	trace				
Rumex obtusifolius (bitter dock)	trace				
Sisymbrium officinale (hedgemustard)	trace				
Toxicodendron diversilobum (poison oak)	trace				
Trifolium repens (common clover)	trace				

Unit FP*212

Size: 1.66 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, Lower 3rd

Slope: Extremely Steep (over 30%)

Aspect: Northeast

Visit date: 8/26/2004

Ecological Health: Severely Degraded.

% Tree canopy: 20%

% Non-Native Cover: 95

General Note:

This unit is a steep road cut between NW Bridge Avenue and St. Helens Road. A culvert runs through the unit to allow a stream to continue under St. Helens Road.

Management Note:

Unit is dominated by HEHE, CLVI and RUDI.

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

Primary Management concerns: Invasives, Litter, Utility Infrastructure.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED

Hedera helix (English ivy)	over 75%	Y	
Rubus discolor (Himalayan blackberry)	20% to 50%	Y	
Clematis vitalba (clematis)	10% to 20%	Y	
Acer macrophyllum (bigleaf maple)	10% to 20%		5-10"
Phalaris arundinacea (reed canarygrass)	1% to 10%		
Cirsium arvense (Canadian Thistle)	trace		
Cirsium vulgare (bull thistle)	trace		
Conium maculatum (poison hemlock)	trace		
Conyza canadensis (Canadian Horseweed)	trace		
Daucus carota (Queen Anne's lace)	trace		
Digitaria sanguinalis (hairy crabgrass)	trace		
Festuca arundinacea (tall fescue)	trace		
Hypericum perforatum (common St. John's wort)	trace		
Lactuca serriola (Lettuce)	trace		
Leucanthemum vulgare (oxeye daisy)	trace		
Lolium perenne (Italian perennial ryegrass)	trace		

Unit FP*213

Size: 0.45 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: unknown
Slope: unknown
Aspect: unknown

Unit FP*214

Size: 69.36 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, Lower 3rd
Slope: Extremely Steep (over 30%)
Aspect: Northeast
Notes:

Visit date: 7/21/2004

Ecological Health: Fair.
% Tree canopy: 80%
% Non-Native Cover: 15
General Note:

Above NW Bridge Avenue near beginning of Ridge trail there is an old road leading to an old building foundation. Invasive removal (ILAQ, HEHE) has taken place in several spots around Ridge trail. Species of Interest: PREM, CONU4, TABR2 and LOCI3

Management Note:

HEHE, CLVI and RUDI dominate the northeast edge of unit above NW Bridge Ave.

Eco Note:

Unit is a large coniferous slope trending northeast and dissected by several ravines--northeast edge is truncated by steep cliffs. Invasive cover is high near bottom of unit above NW Bridge Ave. Poison oak is prevalent at bottom as well. Signs of Pileated woodpeckers found on snags in unit. Top of unit is bordered by Leif Erickson. Noise from industrial area heard throughout unit.

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

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

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Polystichum munitum (sword fern)	50% to 75%	Y			
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	>30"	Y	
Acer macrophyllum (bigleaf maple)	20% to 50%		10-20"	Y	
Acer circinatum (vine maple)	10% to 20%	Y			
Tsuga heterophylla (western hemlock)	1% to 10%		20-30"	Y	
Alnus rubra (red alder)	1% to 10%		10-20"		
Thuja plicata (western red cedar)	1% to 10%		10-20"	Y	
Achlys triphylla (vanillaleaf)	1% to 10%				
Berberis nervosa (Oregon grape)	1% to 10%				
Clematis vitalba (clematis)	1% to 10%				
Galium aparine (cleavers)	1% to 10%				
Hedera helix (English ivy)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Prunus emarginata (bitter cherry)	trace		5-10"		
Abies grandis (grand fir)	trace		0-5"	Y	
Cornus nuttallii (Pacific dogwood)	trace		0-5"		
Sorbus aucuparia (European mountain ash)	trace		0-5"		
Taxus brevifolia (Pacific yew)	trace		0-5"		
Cirsium vulgare (bull thistle)	trace				
Corylus avellana (common filbert)	trace				
Cytisus scoparius (Scot's broom)	trace				
Dianthus armeria (Deptford pink)	trace				
Geranium robertianum (herb-Robert)	trace				
Geum urbanum (herb bennet)	trace				
Holcus lanatus (velvet grass)	trace				
Hypericum perforatum (common St. John's wort)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Leucanthemum vulgare (oxeye daisy)	trace				
Lonicera ciliosa (western orange honeysuckle)	trace				
Plantago major (common plantain)	trace				
Ranunculus repens (creeping buttercup)	trace				
Rumex obtusifolius (bitter dock)	trace				
Toxicodendron diversilobum (poison oak)	trace				

Unit FP*215

Size: 1.02 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: CES204.001 North Pacific Maritime Dry-Mesic Douglas-fir-Western Hemlock Forest

Landform: Side-hill, Lower 3rd

Slope: Steep (20 to 30%)

Aspect: Northeast

Notes:

Visit date: 8/16/2004

Ecological Health: Poor.

% Tree canopy: 65%

% Non-Native Cover: 60

General Note:

Unit is a small, 1-acre area bordered by houses on 2 sides, a NW Mill Ave. on 1 side, and Forest Park on 1 side.

Species of interest are TABR, LOCI, and PREM.

Hydrophilic vegetation is RARE.

Management Note:

HEHE, ILAQ, and PRAV are in unit interior. All other invasives are along the roadside.

Eco Note:

Forb layer dominated by invasives.

Wetland indicators: Hydrophilic Vegetation.

Primary Management concerns: Invasives.

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"	Y	
Hedera helix (English ivy)	20% to 50%				
Polystichum munitum (sword fern)	20% to 50%				
Acer circinatum (vine maple)	10% to 20%	Y			
Berberis nervosa (Oregon grape)	10% to 20%	Y			
Thuja plicata (western red cedar)	1% to 10%		10-20"	Y	
Tsuga heterophylla (western hemlock)	1% to 10%		10-20"	Y	
Abies grandis (grand fir)	1% to 10%		0-5"	Y	
Gaultheria shallon (salal)	1% to 10%				
Ilex aquafolium (English holly)	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%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Alnus rubra (red alder)	trace		5-10"	Y	
Prunus emarginata (bitter cherry)	trace		5-10"		
Taxus brevifolia (Pacific yew)	trace		5-10"		
Prunus avium (sweet pie cherry)	trace		0-5"		
Galium aparine (cleavers)	trace				
Geum urbanum (herb bennet)	trace				
Holcus lanatus (velvet grass)	trace				
Hypochaeris radicata (hairy cats-ear)	trace				
Lactuca muralis (wall lettuce)	trace				
Lactuca serriola (Lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Lonicera ciliosa (western orange honeysuckle)	trace				
Melissa officinalis (lemon balm)	trace				
Plantago major (common plantain)	trace				
Prunus laurocerasus (English laurel)	trace				
Ranunculus repens (creeping buttercup)	trace				
Rumex obtusifolius (bitter dock)	trace				
Senecio jacobaea (tansy ragwort)	trace				
Sonchus asper (spiny sowthistle)	trace				
Taraxacum officinale (common dandelion)	trace				
Trifolium pratense (red clover)	trace				

Unit FP*216

Size: 16.30 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, Upper 3rd

Slope: Steep (20 to 30%)

Aspect: East

Notes:

Visit date: 8/16/2004

Ecological Health: Poor.

% Tree canopy: 75%

% Non-Native Cover: 70

General Note:

Unit is made up of a northeast trending slope bordered by a deep ravine on the southern edge.
A well-established informal trail runs through the west side of the unit.

Management Note:

Invasives are heavy in the northeast portion of the unit.
HEHE covers ground and is growing into the trees.
Nearby residents have thrown large branches into right-of-way in northeast corner of unit near NW Mill St.
"Encroachment" under management issues tab refers to a plywood covered path from house to creek.

Eco Note:

Invasive cover is much lower in the western portion of unit below Leif Erickson Drive, which borders the western edge.
Species of interest: TABR.

Wetland indicators: Streams, Hydrophilic Vegetation.

Primary Management concerns: Invasives, Domestic Animals, 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	20-30"	Y	
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"	Y	
Acer circinatum (vine maple)	10% to 20%	Y			
Ilex aquafolium (English holly)	10% to 20%	Y			
Polystichum munitum (sword fern)	10% to 20%				
Alnus rubra (red alder)	1% to 10%		10-20"		
Tsuga heterophylla (western hemlock)	1% to 10%		10-20"	Y	
Berberis nervosa (Oregon grape)	1% to 10%				
Oemleria cerasiformis (Indian-plum)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Abies grandis (grand fir)	trace		10-20"		
Aesculus hippocastanum (horsechestnut)	trace		0-5"		
Malus sp. (cultivated apple tree)	trace		0-5"		
Prunus avium (sweet pie cherry)	trace		0-5"		
Prunus cerasifera (cherry plum)	trace		0-5"		
Sorbus aucuparia (European mountain ash)	trace		0-5"		
Taxus brevifolia (Pacific yew)	trace		0-5"		
Cirsium arvense (Canadian Thistle)	trace				
Corylus avellana (common filbert)	trace				
Galium aparine (cleavers)	trace				
Geranium robertianum (herb-Robert)	trace				
Holcus lanatus (velvet grass)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Plantago major (common plantain)	trace				
Polygonum cuspidatum (Japanese knotweed)	trace				
Prunella vulgaris var. vulgaris (common selfheal	trace				
Prunus laurocerasus (English laurel)	trace				
Ranunculus repens (creeping buttercup)	trace				
Rubus discolor (Himalayan blackberry)	trace				
Rumex obtusifolius (bitter dock)	trace				
Taraxacum officinale (common dandelion)	trace				

Unit FP*217

Size: 17.94 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: 7/20/2004

Ecological Health: Good.
% Tree canopy: 85%
% Non-Native Cover: 5
General Note:

Unit is bounded by Leif Erickson on the west end (upper reach), creek on the north, and Springville Rd. on South.

Management Note:

Ivy starting to move from the ground layer up onto trees in a few locations.

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

Primary Management concerns: Invasives, Litter.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Polystichum munitum (sword fern)	50% to 75%	Y			
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	>30"		
Acer circinatum (vine maple)	10% to 20%	Y			
Acer macrophyllum (bigleaf maple)	10% to 20%		10-20"	Y	
Alnus rubra (red alder)	1% to 10%		10-20"		
Thuja plicata (western red cedar)	1% to 10%		10-20"	Y	
Tsuga heterophylla (western hemlock)	1% to 10%		10-20"	Y	
Athyrium filix-femina (ladyfern)	1% to 10%				
Hedera helix (English ivy)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Ribes bracteosum (stink currant)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Tiarella trifoliata (foamflower)	1% to 10%				
Abies grandis (grand fir)	trace		20-30"		
Blechnum spicant (deer fern)	trace				
Galium aparine (cleavers)	trace				
Geranium robertianum (herb-Robert)	trace				
Hypericum perforatum (common St. John's wort)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Melissa officinalis (lemon balm)	trace				
Plantago major (common plantain)	trace				
Ranunculus repens (creeping buttercup)	trace				
Rumex obtusifolius (bitter dock)	trace				
Trifolium repens (common clover)	trace				

Unit FP*218

Size: 25.88 Acres
NVCS Class: Forest
NVCS Subclass: Deciduous forest
NVCS Group: 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: 7/21/2004

Ecological Health: Poor.
% Tree canopy: 80%
% Non-Native Cover: 35
General Note:

Accessed through service road off Germantown Rd.

Management Note:

Heavy HEHE throughout unit including in the tree canopy, other heavy invasives along road.

Eco Note:

Restoration project at top of ridge, service road leads to it. There was a seep at the bottom of the unit, just pass the gate on the up-hill side.

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

Primary Management concerns: Invasives, Litter, Large Refuse, 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			
Hedera helix (English ivy)	20% to 50%	Y			
Polystichum munitum (sword fern)	20% to 50%	Y			
Ilex aquafolium (English holly)	10% to 20%				
Rubus parviflorus (thimbleberry)	10% to 20%				
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	
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Lapsana communis (common nipplewort)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Urtica dioica (stinging nettle)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Abies grandis (grand fir)	trace		0-5"	Y	
Castanea dentata (American chestnut)	trace		0-5"		
Taxus brevifolia (Pacific yew)	trace		0-5"		
Arctium minus (lesser burdock)	trace				
Clematis vitalba (clematis)	trace				
Convolvulus arvensis (morning glory)	trace				
Corylus avellana (common filbert)	trace				
Euonymus occidentalis (western wahoo)	trace				
Galium aparine (cleavers)	trace				
Geranium robertianum (herb-Robert)	trace				
Geum urbanum (herb bennet)	trace				
Lactuca muralis (wall lettuce)	trace				
Melissa officinalis (lemon balm)	trace				
Plantago major (common plantain)	trace				
Rumex obtusifolius (bitter dock)	trace				
Solanum dulcamara (bittersweet nightshade)	trace				

Unit FP*219

Size: 41.02 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: CES204.001 North Pacific Maritime Dry-Mesic Douglas-fir-Western Hemlock Forest

Landform: Side-hill, Middle 3rd

Slope: Extremely Steep (over 30%)

Aspect: East

Notes:

Visit date: 7/21/2004

Ecological Health: Fair.

% Tree canopy: 75%

% Non-Native Cover: 15

General Note:

Two well-used informal trail extend from Leif Erickson Drive down the 2 ridges in the unit.

Management Note:

Most weeds are located along Leif Erickson and along the two informal trails, except for ILAQ and HEHE, which are heavy in the unit interior. HEHE is covering ground and on trunks but not yet in canopy.

Eco Note:

Species of interest are RIBR and LICO.
Creek running through middle of unit is incised.

Wetland indicators: Streams, Hydrophilic Vegetation.

Primary Management concerns: Invasives, Litter, Stream Bank Erosion, Mountain Bike Impact, 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			
Pseudotsuga menziesii (Douglas fir)	10% to 20%		20-30"		
Hedera helix (English ivy)	10% to 20%				
Alnus rubra (red alder)	1% to 10%		10-20"		
Abies grandis (grand fir)	1% to 10%		5-10"	Y	
Thuja plicata (western red cedar)	1% to 10%		5-10"	Y	
Acer circinatum (vine maple)	1% to 10%				
Athyrium filix-femina (ladyfern)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Rosa gymnocarpa (dwarf wood rose)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Rubus ursinus (trailing blackberry)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Tolmiea menziesii (piggy-back plant)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Erigeron annuus (annual eastern daisy Fleabane)	trace				
Galium aparine (cleavers)	trace				
Geranium robertianum (herb-Robert)	trace				
Geum urbanum (herb bennet)	trace				
Holcus lanatus (velvet grass)	trace				
Hypochaeris radicata (hairy cats-ear)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Leucanthemum vulgare (oxeye daisy)	trace				
Lilium columbianum (tiger-lily)	trace				
Plantago major (common plantain)	trace				
Prunella vulgaris var. vulgaris (common selfheal	trace				
Prunus laurocerasus (English laurel)	trace				
Ranunculus repens (creeping buttercup)	trace				
Ribes bracteosum (stink currant)	trace				
Rubus discolor (Himalayan blackberry)	trace				
Rumex obtusifolius (bitter dock)	trace				
Trifolium pratense (red clover)	trace				

Unit FP*220

Size: 28.98 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: North

Visit date: 7/20/2004

Ecological Health: Good.

% Tree canopy: 75%

% Non-Native Cover: 5

General Note:

This was a large unit between Germantown Rd. and Leif Erickson.
Species of interest is TABR.

Management Note:

Control invasives along road and trails.
Well-used, heavily impacted informal trail on the north west corner of unit near Leif Erickson.

Eco Note:

Topography changes several different ridges and drainages in unit. A few cottonwoods along Leif Erickson.
Hydrophilic vegetation includes VEAM, IMCA, STCO, and PHAR.

Wetland indicators: Streams, Hydrophilic Vegetation.

Primary Management concerns: Invasives, Domestic Animals, Litter, Mountain Bike Impact, 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)	50% to 75%	Y			
Thuja plicata (western red cedar)	20% to 50%	Y	10-20"	Y	
Berberis nervosa (Oregon grape)	20% to 50%	Y			
Vaccinium parvifolum (red huckleberry)	10% to 20%	Y			
Pseudotsuga menziesii (Douglas fir)	1% to 10%		20-30"		
Tsuga heterophylla (western hemlock)	1% to 10%		10-20"	Y	
Gaultheria shallon (salal)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Symphoricarpos albus (snowberry)	1% to 10%				
Abies grandis (grand fir)	trace		0-5"	Y	
Taxus brevifolia (Pacific yew)	trace		0-5"		
Clematis vitalba (clematis)	trace				
Geranium robertianum (herb-Robert)	trace				
Geum urbanum (herb bennet)	trace				
Goodyera oblongifolia (western giant Rattlesnake	trace				
Hedera helix (English ivy)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Melissa officinalis (lemon balm)	trace				
Phalaris arundinacea (reed canarygrass)	trace				
Plantago major (common plantain)	trace				
Ranunculus repens (creeping buttercup)	trace				
Rubus discolor (Himalayan blackberry)	trace				
Rumex obtusifolius (bitter dock)	trace				
Trifolium pratense (red clover)	trace				

Unit FP*221

Size: 5.92 Acres

NVCS Class: Woodland

NVCS Subclass: Mixed evergreen-deciduous woodland

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

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: Northwest

Notes:

Visit date: 7/8/2004

Ecological Health: Poor.

% Tree canopy: 50%

% Non-Native Cover: 70

General Note:

Glass, tires and trash thrown into unit from Germantown road.

Management Note:

Remove glass and large refuse from unit. The invasives from this unit threaten the ecological health of the rest of park.

Eco Note:

Unit is a very steep NW slope bordering Germantown road. Invasives, especially HEHE, dominate the unit. Large Douglas firs >30" DBH scattered in unit. Wetland indicator plants: OESA, IMCA.

Wetland indicators: Streams, Hydrophilic Vegetation, Saturated Soils.

Primary Management concerns: Invasives, Litter, Large Refuse.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Hedera helix (English ivy)	50% to 75%				
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"	Y	
Polystichum munitum (sword fern)	20% to 50%	Y			
Acer circinatum (vine maple)	1% to 10%	Y			
Oemleria cerasiformis (Indian-plum)	1% to 10%	Y			
Pseudotsuga menziesii (Douglas fir)	1% to 10%		>30"		
Tsuga heterophylla (western hemlock)	1% to 10%		20-30"		
Thuja plicata (western red cedar)	1% to 10%		10-20"		
Cirsium vulgare (bull thistle)	1% to 10%				
Lapsana communis (common nipplewort)	1% to 10%				
Lunaria annua (annual honesty)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Taxus brevifolia (Pacific yew)	trace		0-5"		
Anthemis cotula (dogfennel)	trace				
Arctium minus (lesser burdock)	trace				
Conium maculatum (poison hemlock)	trace				
Convolvulus arvensis (morning glory)	trace				
Galium aparine (cleavers)	trace				
Geranium robertianum (herb-Robert)	trace				
Holcus lanatus (velvet grass)	trace				
Ilex aquafolium (English holly)	trace				
Impatiens capensis (spotted orange touch-me-not)	trace				
Lactuca muralis (wall lettuce)	trace				
Plantago major (common plantain)	trace				
Rumex obtusifolius (bitter dock)	trace				
Senecio jacobaea (tansy ragwort)	trace				
Sisymbrium officinale (hedgemustard)	trace				

Unit FP*222

Size: 30.72 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, Middle 3rd

Slope: Extremely Steep (over 30%)

Aspect: East

Notes:

Visit date: 7/8/2004

Ecological Health: Poor.

% Tree canopy: 75%

% Non-Native Cover: 30

General Note:

Conifers few, but very large.
Large refuse consists of tires in creek.
Utility = sewer pipe at creek.

Management Note:

Ivy on trunks and working its way into the canopy.

Lots of litter in ravine - mostly bottles and cans.
Well-used informal trail running from Germantown Road down ridge to bottom of unit.

Eco Note:

Good habitat due to large trees, abundant large woody debris. Good structural diversity. Moderate weedyness due to proximity to adjacent, very weedy unit (FP-221). Lots of road noise from Germantown Road.

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

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

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Polystichum munitum (sword fern)	20% to 50%	Y			
Acer macrophyllum (bigleaf maple)	20% to 50%		10-20"	Y	
Hedera helix (English ivy)	20% to 50%				
Acer circinatum (vine maple)	10% to 20%	Y			
Berberis nervosa (Oregon grape)	10% to 20%	Y			
Pseudotsuga menziesii (Douglas fir)	1% to 10%		20-30"		
Tsuga heterophylla (western hemlock)	1% to 10%		20-30"	Y	
Taxus brevifolia (Pacific yew)	1% to 10%		0-5"		
Ilex aquafolium (English holly)	1% to 10%				
Oemleria cerasiformis (Indian-plum)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Corylus avellana (common filbert)	trace				
Geranium robertianum (herb-Robert)	trace				
Impatiens capensis (spotted orange touch-me-not)	trace				
Lactuca muralis (wall lettuce)	trace				
Phacelia heterophylla (varileaf phacelia)	trace				

Unit FP*223

Size: 1.82 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: Extremely Steep (over 30%)
Aspect: Northeast
Notes:

Visit date: 9/21/2007

Ecological Health: Poor.
% Tree canopy: 95%
% Non-Native Cover: 85

General Note:

Unit is located near the lower end of Firelane9 before it begins to ascend the ridge.

Management Note:

There is some Ivy removal from trees and ground taking place.

Eco Note:

Ivy forms a near solid layer in much of the unit. There is still a large amount and diversity of native low shrubs above the ivy.

Primary Management concerns: Invasives, Litter, 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	
Acer circinatum (vine maple)	10% to 20%	Y			
Polystichum munitum (sword fern)	10% to 20%	Y			

Berberis nervosa (Oregon grape)	10% to 20%		
Gaultheria shallon (salal)	1% to 10%		
Ilex aquafolium (English holly)	1% to 10%		
Rubus parviflorus (thimbleberry)	1% to 10%		
Symphoricarpos albus (snowberry)	1% to 10%		
Abies grandis (grand fir)	trace	10-20"	
Thuja plicata (western red cedar)	trace	10-20"	Y
Holodiscus discolor (oceanspray)	trace		

Unit FP*224

Size: 0.86 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: Extremely Steep (over 30%)
Aspect: Northeast
Notes:

Visit date: 9/21/2007

Ecological Health: Poor.
% Tree canopy: 90%
% Non-Native Cover: 80
General Note:

The unit is defined by NW Mackay Ave. at the top and NW Hoge Ave. at the bottom.

Management Note:

Ivy dominates the ground layer throughout the most of the unit. Prunus laurocerasus is found at the bottom of the unit.

Eco Note:

Primary Management concerns: Invasives.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Pseudotsuga menziesii (Douglas fir)	50% to 75%	Y	20-30"	Y	
Hedera helix (English ivy)	50% to 75%	Y			
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"		
Polystichum munitum (sword fern)	20% to 50%	Y			
Corylus cornuta (western beaked hazelnut)	1% to 10%	Y			
Vaccinium parvifolum (red huckleberry)	1% to 10%	Y			
Populus balsamifera ssp. trichocarpa (black cott	1% to 10%		10-20"		
Thuja plicata (western red cedar)	1% to 10%		5-10"	Y	
Acer circinatum (vine maple)	1% to 10%				
Corylus avellana (common filbert)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Oemleria cerasiformis (Indian-plum)	1% to 10%				
Prunus laurocerasus (English laurel)	1% to 10%				
Abies grandis (grand fir)	trace		0-5"	Y	

Unit FP*225

Size: 13.27 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: Northwest

Notes:

Visit date: 7/8/2004

Ecological Health: Fair.

% Tree canopy: 75%

% Non-Native Cover: 10

General Note:

Unit is a steep NW facing slope bordered by Firelane 9 and an ephemeral stream on north and south edges. Road and construction noise from Germantown road and Hwy 30 heard throughout unit.

Management Note:

Invasives most prevalent along Firelane 9--RUDI and HEHE being the dominant species.

Eco Note:

A raccoon and hummingbird were spotted in unit. Canopy is open toward the center (small hole), otherwise it is moderately closed. Structural diversity is good. Species of Interest: LICO, LOCI3, PREM.

Wetland indicators: Streams.

Primary Management concerns: Invasives, 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			
Acer circinatum (vine maple)	1% to 10%	Y			
Tsuga heterophylla (western hemlock)	1% to 10%		20-30"		
Pseudotsuga menziesii (Douglas fir)	1% to 10%		10-20"		
Thuja plicata (western red cedar)	1% to 10%		10-20"		
Achlys triphylla (vanillaleaf)	1% to 10%				
Berberis nervosa (Oregon grape)	1% to 10%				
Hedera helix (English ivy)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Lilium columbianum (tiger-lily)	1% to 10%				
Lonicera ciliosa (western orange honeysuckle)	1% to 10%				
Montia sibirica (Siberian minerslettuce)	1% to 10%				
Oemleria cerasiformis (Indian-plum)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Tolmiea menziesii (piggy-back plant)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Prunus emarginata (bitter cherry)	trace		0-5"		
Sorbus aucuparia (European mountain ash)	trace		0-5"		
Clematis vitalba (clematis)	trace				
Convolvulus arvensis (morning glory)	trace				
Corylus avellana (common filbert)	trace				
Dactylis glomerata (orchard grass)	trace				
Galium aparine (cleavers)	trace				
Geranium robertianum (herb-Robert)	trace				
Geum urbanum (herb bennet)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Leucanthemum vulgare (oxeye daisy)	trace				
Plantago major (common plantain)	trace				
Ranunculus repens (creeping buttercup)	trace				
Rumex obtusifolius (bitter dock)	trace				
Trifolium repens (common clover)	trace				
Vicia hisuta (tiny vetch)	trace				

Unit FP*226

Size: 18.26 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, Upper 3rd
Slope: Extremely Steep (over 30%)
Aspect: East
Notes:

Visit date: 7/7/2004
Ecological Health: Fair.
% Tree canopy: 80%
% Non-Native Cover: 5
General Note:
Litter and tires from Germantown road found in south section of unit.
Management Note:
Invasives most prevalent near roads.
Eco Note:
This unit is a very steep east facing slope bordered by Firelane 10 on the west, Germantown road on the south side and an ephemeral stream on the east side. Large snags, nurse logs and old stumps scattered through out unit. Pileated woodpecker holes in snags. Stand has good structural diversity, but invasives are becoming established.
Wetland indicators: Streams, Hydrophilic Vegetation.
Primary Management concerns: Invasives, Litter, Large Refuse.
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			
Rubus spectabilis (salmonberry)	20% to 50%	Y			
Thuja plicata (western red cedar)	20% to 50%		10-20"		
Tsuga heterophylla (western hemlock)	10% to 20%		10-20"	Y	
Pseudotsuga menziesii (Douglas fir)	1% to 10%		10-20"		
Acer circinatum (vine maple)	1% to 10%				
Achlys triphylla (vanillaleaf)	1% to 10%				
Geranium robertianum (herb-Robert)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Cirsium vulgare (bull thistle)	trace				
Crataegus monogyna (European hawthorn)	trace				
Galium aparine (cleavers)	trace				
Hedera helix (English ivy)	trace				
Ilex aquafolium (English holly)	trace				
Lapsana communis (common nipplewort)	trace				
Philadelphus lewisii (Lewis' mockorange)	trace				
Plantago major (common plantain)	trace				
Prunus laurocerasus (English laurel)	trace				
Ranunculus repens (creeping buttercup)	trace				
Rubus discolor (Himalayan blackberry)	trace				
Rumex obtusifolius (bitter dock)	trace				
Taraxacum officinale (common dandelion)	trace				

Unit FP*227

Size: 10.72 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: Northwest
Notes:

Visit date: 7/20/2004
Ecological Health: Fair.
% Tree canopy: 70%
% Non-Native Cover: 5
General Note:
Unit is off Germantown Rd. at firelane10. Steep NW facing slope. Species of interest LOCI.
Eco Note:
Very heavy patch of THPL in interior with a lot of bare ground in the understory.
Primary Management concerns: Invasives, Litter.
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			
Berberis nervosa (Oregon grape)	10% to 20%	Y			
Thuja plicata (western red cedar)	10% to 20%		10-20"	Y	
Pseudotsuga menziesii (Douglas fir)	1% to 10%		20-30"		
Tsuga heterophylla (western hemlock)	1% to 10%		10-20"		
Achlys triphylla (vanillaleaf)	1% to 10%				
Geranium robertianum (herb-Robert)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Alliaria petiolata (garlic mustard)	trace				
Arctium minus (lesser burdock)	trace				
Cirsium arvense (Canadian Thistle)	trace				
Geum urbanum (herb bennet)	trace				
Hedera helix (English ivy)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Lonicera ciliosa (western orange honeysuckle)	trace				
Plantago major (common plantain)	trace				
Prunella vulgaris var. vulgaris (common selfheal	trace				
Ranunculus repens (creeping buttercup)	trace				
Rumex obtusifolius (bitter dock)	trace				
Sisymbrium officinale (hedgemustard)	trace				

Unit FP*228

Size: 14.09 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: Northwest
Notes:

Visit date: 7/20/2004
Ecological Health: Good.
% Tree canopy: 75%
% Non-Native Cover: 5

General Note:

Side slope unit with a creek to the west and northwest.

Germantown Road runs along south end and part of east end.

Management Note:

Weeds very thick along Leif Erickson. Very few weeds in unit interior.

Eco Note:

Lots of bare soil under Western red cedars.

Other than POMU, forbs were very few. Forb diversity was low.

Wetland indicators: Streams.

Primary Management concerns: Invasives, Litter, Large Refuse.

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			
Thuja plicata (western red cedar)	10% to 20%		10-20"	Y	
Pseudotsuga menziesii (Douglas fir)	1% to 10%		10-20"		
Tsuga heterophylla (western hemlock)	1% to 10%		10-20"	Y	
Acer circinatum (vine maple)	1% to 10%				
Achlys triphylla (vanillaleaf)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Alliaria petiolata (garlic mustard)	trace				
Arctium minus (lesser burdock)	trace				
Cirsium arvense (Canadian Thistle)	trace				
Cynosurus echinatus (bristly dogstail grass)	trace				
Daucus carota (Queen Anne's lace)	trace				
Geranium robertianum (herb-Robert)	trace				
Hedera helix (English ivy)	trace				
Holcus lanatus (velvet grass)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Lathyrus latifolius (perennial pea)	trace				
Lonicera ciliosa (western orange honeysuckle)	trace				
Melissa officinalis (lemon balm)	trace				
Polygonum aviculare (doorweed)	trace				
Rubus discolor (Himalayan blackberry)	trace				
Rumex obtusifolius (bitter dock)	trace				

Unit FP*229

Size: 16.51 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: CES204.001 North Pacific Maritime Dry-Mesic Douglas-fir-Western Hemlock Forest

Landform: Side-hill, Middle 3rd

Slope: Extremely Steep (over 30%)

Aspect: Southeast

Notes:

Visit date: 6/30/2004

Ecological Health: Good.

% Tree canopy: 75%

% Non-Native Cover: trace

General Note:

Weed cover very low. Species of Interest: PREM, RIBR, CAOB3

Management Note:

Remove weeds along road. Hardly any weeds in interior of unit.

Eco Note:

Forb layer depauperate, especially under THPL. Elsewhere forbs are limited to POMU and a few others. red alders mostly near creek. Seepy area dominated by Carex obnupta in NE central part of unit.

Wetland indicators: Streams, Springs, Hydrophilic Vegetation, Saturated Soils.

Primary Management concerns: Invasives.

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	
Polystichum munitum (sword fern)	20% to 50%				
Acer circinatum (vine maple)	10% to 20%	Y			
Berberis nervosa (Oregon grape)	10% to 20%	Y			
Thuja plicata (western red cedar)	10% to 20%		20-30"	Y	
Tsuga heterophylla (western hemlock)	10% to 20%		20-30"	Y	
Galium aparine (cleavers)	1% to 10%				
Gaultheria shallon (salal)	1% to 10%				
Geranium robertianum (herb-Robert)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Montia sibirica (Siberian minerslettuce)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Prunus emarginata (bitter cherry)	trace		5-10"		
Carex obnupta (slough sedge)	trace				
Cirsium vulgare (bull thistle)	trace				
Geum urbanum (herb bennet)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Plantago major (common plantain)	trace				
Ribes bracteosum (stink currant)	trace				
Rumex obtusifolius (bitter dock)	trace				

Unit FP*230

Size: 19.57 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: 7/6/2004

Ecological Health: Good.

% Tree canopy: 75%

% Non-Native Cover: 5

General Note:

Both Wildwood and a service road run through unit. Steep unit with 2 streams at bottom

Management Note:

Try to manage trail and road for invasive movement.

Wetland indicators: Streams.

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

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	50% to 75%	Y	10-20"		
Berberis nervosa (Oregon grape)	20% to 50%	Y			
Polystichum munitum (sword fern)	20% to 50%	Y			
Alnus rubra (red alder)	1% to 10%		10-20"		
Pseudotsuga menziesii (Douglas fir)	1% to 10%		10-20"		
Tsuga heterophylla (western hemlock)	1% to 10%		10-20"	Y	

Thuja plicata (western red cedar)	1% to 10%	5-10"	Y
Acer circinatum (vine maple)	1% to 10%		
Blechnum spicant (deer fern)	1% to 10%		
Geranium robertianum (herb-Robert)	1% to 10%		
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%		
Impatiens capensis (spotted orange touch-me-not)	1% to 10%		
Lactuca muralis (wall lettuce)	1% to 10%		
Lapsana communis (common nipplewort)	1% to 10%		
Montia sibirica (Siberian minerslettuce)	1% to 10%		
Oemleria cerasiformis (Indian-plum)	1% to 10%		
Plantago major (common plantain)	1% to 10%		
Ranunculus repens (creeping buttercup)	1% to 10%		
Rubus spectabilis (salmonberry)	1% to 10%		
Rumex obtusifolius (bitter dock)	1% to 10%		
Tolmiea menziesii (piggy-back plant)	1% to 10%		
Vaccinium parvifolum (red huckleberry)	1% to 10%		
Arctium minus (lesser burdock)	trace		
Ilex aquafolium (English holly)	trace		

Unit FP*231

Size: 40.81 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, Upper 3rd
Slope: Extremely Steep (over 30%)
Aspect: Northeast
Notes:

Visit date: 7/7/2004

Ecological Health: Good.
% Tree canopy: 65%
% Non-Native Cover: 5
General Note:

Species of Interest: OPHO, RIBR, LOCI3 and LICO

Management Note:

A few clumps of ILAQ are scattered in the interior of unit. Invasive forbs are mainly prevalent along trails and roads.

Eco Note:

This large unit consists of a ridge with several smaller ravines trending northeast. Unit is a deciduous forest with a smaller canopy of THPL and TSHE. ACMA DBH: 39.6, ALRU DBH: 28.5.

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

Primary Management concerns: Invasives, Litter, Informal Trails.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	50% to 75%	Y	10-20"	Y	
Acer circinatum (vine maple)	20% to 50%	Y			
Berberis nervosa (Oregon grape)	20% to 50%	Y			
Polystichum munitum (sword fern)	20% to 50%	Y			
Rubus spectabilis (salmonberry)	20% to 50%	Y			
Alnus rubra (red alder)	20% to 50%		10-20"		
Pseudotsuga menziesii (Douglas fir)	1% to 10%		10-20"		
Thuja plicata (western red cedar)	1% to 10%		10-20"	Y	
Tsuga heterophylla (western hemlock)	1% to 10%		10-20"	Y	
Athyrium filix-femina (ladyfern)	1% to 10%				
Galium aparine (cleavers)	1% to 10%				
Geranium robertianum (herb-Robert)	1% to 10%				
Holodiscus discolor (oceanspray)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Montia sibirica (Siberian minerslettuce)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				

Smilacina stellata (starry false-Solomon's seal)	1% to 10%
Vaccinium parvifolum (red huckleberry)	1% to 10%
Viola glabella (stream violet)	1% to 10%
Ilex aquafolium (English holly)	trace
Lactuca muralis (wall lettuce)	trace
Lapsana communis (common nipplewort)	trace
Lilium columbianum (tiger-lily)	trace
Lonicera ciliosa (western orange honeysuckle)	trace
Lunaria annua (annual honesty)	trace
Oplopanax horridus (Devil's club)	trace
Plantago major (common plantain)	trace
Ranunculus repens (creeping buttercup)	trace
Ribes bracteosum (stink currant)	trace
Rubus discolor (Himalayan blackberry)	trace
Rumex obtusifolius (bitter dock)	trace

Unit FP*232

Size: 7 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: Steep (20 to 30%)
Aspect: Northeast
Notes:

Visit date: 7/20/2004

Ecological Health: Poor.
% Tree canopy: 70%
% Non-Native Cover: 50
General Note:

Management Note:

Ivy dominates the forb layer.

Eco Note:

Unit is a moderate northeast facing slope dominated by ACMA. Ivy covers the ground and is growing into the trees. Springville road runs through southeast end of unit.

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

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	50% to 75%	Y	20-30"	Y	
Hedera helix (English ivy)	20% to 50%	Y			
Polystichum munitum (sword fern)	20% to 50%	Y			
Hydrophyllum tenuipes (Pacific waterleaf)	10% to 20%				
Acer circinatum (vine maple)	1% to 10%	Y			
Pseudotsuga menziesii (Douglas fir)	1% to 10%		20-30"	Y	
Alnus rubra (red alder)	1% to 10%		10-20"		
Thuja plicata (western red cedar)	1% to 10%		5-10"	Y	
Athyrium filix-femina (ladyfern)	1% to 10%				
Geranium robertianum (herb-Robert)	1% to 10%				
Tsuga heterophylla (western hemlock)	trace		10-20"		
Abies grandis (grand fir)	trace		0-5"	Y	
Cirsium vulgare (bull thistle)	trace				
Convolvulus arvensis (morning glory)	trace				
Hypericum perforatum (common St. John's wort)	trace				
Ilex aquafolium (English holly)	trace				
Lapsana communis (common nipplewort)	trace				
Leucanthemum vulgare (oxeye daisy)	trace				
Rubus discolor (Himalayan blackberry)	trace				
Rumex obtusifolius (bitter dock)	trace				

Unit FP*233

Size: 15.18 Acres
NVCS Class: Forest
NVCS Subclass: Deciduous forest
NVCS Group: 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: Gentle (10 to 20%)
Aspect: Northwest
Notes:

Visit date: 7/31/2003

Ecological Health: Good.
% Tree canopy: 70%
% Non-Native Cover: not recorded
General Note:

Unit has a service road and Wildwood trail running through it.

Management Note:

Road should be maintained to control invasives. ILAQ and RUDI2 need to be removed. Monitor wetland for healthy function and invasives.

Eco Note:

Small wetland in NW quad above service road. THPL dominant understory tree in a multiple tiered canopy. Unit being impacted by road. Biodiversity study going on in unit.

Wetland indicators: Hydrophilic Vegetation, Water Marks, Saturated Soils.
Primary Management concerns: Invasives, Utility Infrastructure.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	20-30"	Y	
Acer circinatum (vine maple)	20% to 50%	Y			
Polystichum munitum (sword fern)	20% to 50%	Y			
Thuja plicata (western red cedar)	20% to 50%		20-30"	Y	
Berberis nervosa (Oregon grape)	20% to 50%				
Tsuga heterophylla (western hemlock)	10% to 20%		20-30"	Y	
Alnus rubra (red alder)	10% to 20%		10-20"		
Rubus spectabilis (salmonberry)	10% to 20%				
Pseudotsuga menziesii (Douglas fir)	1% to 10%		20-30"		
Geranium robertianum (herb-Robert)	1% to 10%				
Rosa gymnocarpa (dwarf wood rose)	1% to 10%				
Stachys cooleyae (Cooley's hedgenettle)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Achlys triphylla (vanillaleaf)	trace				
Galium aparine (cleavers)	trace				
Ilex aquafolium (English holly)	trace				
Lonicera ciliosa (western orange honeysuckle)	trace				
Oenanthe sarmentosa (Pacific water-parsely)	trace				
Rhamnus purshiana (cascara)	trace				
Rubus discolor (Himalayan blackberry)	trace				
Smilacina racemosa (false Solomon's-seal)	trace				
Solanum dulcamara (bittersweet nightshade)	trace				

Unit FP*234

Size: 6.71 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: CES204.001 North Pacific Maritime Dry-Mesic Douglas-fir-Western Hemlock Forest
Landform: Side-hill, Middle 3rd
Slope: Extremely Steep (over 30%)
Aspect: Northeast
Notes:

Visit date: 7/7/2004
Ecological Health: Good.
% Tree canopy: 65%
% Non-Native Cover: trace
General Note:
South of Wildwood trail and Firelane 10. Creek at bottom of unit is very thick with RUSP. Species of Interest: LOCI3.
Management Note:
Manage trail for invasive species control. Remove ILAQ and PRLU5 in middle of unit.
Eco Note:
Healthy unit with good structure. Low invasives mostly along trail. Old decaying stumps in unit.
Wetland indicators: Streams, Saturated Soils.
Primary Management concerns: Invasives.
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			
Rubus spectabilis (salmonberry)	20% to 50%	Y			
Pseudotsuga menziesii (Douglas fir)	10% to 20%		20-30"		
Alnus rubra (red alder)	10% to 20%		10-20"		
Thuja plicata (western red cedar)	1% to 10%		10-20"	Y	
Gaultheria shallon (salal)	1% to 10%				
Montia sibirica (Siberian minerslettuce)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Lonicera ciliosa (western orange honeysuckle)	trace				
Plantago major (common plantain)	trace				
Prunus laurocerasus (English laurel)	trace				
Rumex obtusifolius (bitter dock)	trace				
Stellaria crispa (ruffled starwort)	trace				

Unit FP*235

Size: 6.13 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: CES204.001 North Pacific Maritime Dry-Mesic Douglas-fir-Western Hemlock Forest
Landform: Side-hill, Upper 3rd
Slope: Extremely Steep (over 30%)
Aspect: Northeast
Notes:

Visit date: 7/7/2004

Ecological Health: Good.
% Tree canopy: 65%
% Non-Native Cover: trace
General Note:
Upper 1/3 of sidehill near Skyline Boulevard.
Management Note:

Eco Note:
Good forb layer. Shrub layer diverse, full, fairly open.
Primary Management concerns: Invasives.
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"		
Berberis nervosa (Oregon grape)	20% to 50%	Y			
Polystichum munitum (sword fern)	10% to 20%	Y			
Cornus nuttallii (Pacific dogwood)	1% to 10%		0-5"		
Asarum caudatum (wild ginger)	1% to 10%				
Gaultheria shallon (salal)	1% to 10%				
Holodiscus discolor (oceanspray)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Smilacina stellata (starry false-Solomon's seal)	1% to 10%				
Campanula scouleri (Scouler's bellflower)	trace				
Circaea alpina (enchanter's-nightshade)	trace				
Galium aparine (cleavers)	trace				
Geranium robertianum (herb-Robert)	trace				
Lactuca muralis (wall lettuce)	trace				

Unit FP*236

Size: 8.13 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: CES204.002 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: 6/30/2004
Ecological Health: Good.
% Tree canopy: 85%
% Non-Native Cover: 5
General Note:

Management Note:
Small populations of GERO and GAAP found scattered in unit.
Eco Note:
Unit is a bowl shaped ravine including 3 ephemeral streams tending northeast. Large trees, diverse tree and forb cover are all present in unit. TSHE: DBH 45.58; THPL: DBH 57.10; PSME: DBH 58.05.
Wetland indicators: Streams, Hydrophilic Vegetation, Surface Water, Saturated Soils, Standing Flowing Water.
Primary Management concerns: Invasives.

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"	Y	
Polystichum munitum (sword fern)	20% to 50%	Y			
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	
Berberis nervosa (Oregon grape)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Abies grandis (grand fir)	trace		0-5"	Y	
Galium aparine (cleavers)	trace				
Geranium robertianum (herb-Robert)	trace				
Geum urbanum (herb bennet)	trace				
Hesperis matronalis (Damask violet)	trace				
Lapsana communis (common nipplewort)	trace				
Lilium columbianum (tiger-lily)	trace				
Ranunculus repens (creeping buttercup)	trace				
Ribes bracteosum (stink currant)	trace				
Rumex obtusifolius (bitter dock)	trace				

Unit FP*237

Size: 5.19 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: Northwest
Notes:

Visit date: 6/30/2004

Ecological Health: Good.
% Tree canopy: 65%
% Non-Native Cover: trace
General Note:

Unit is located above Newton Road down to the creek. Species of Interest: PREM

Management Note:

Wetland indicators: Streams, Hydrophilic Vegetation, Saturated Soils, Standing Flowing Water.
Primary Management concerns: Invasives.
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%				
Acer circinatum (vine maple)	10% to 20%	Y			
Pseudotsuga menziesii (Douglas fir)	10% to 20%		20-30"		
Thuja plicata (western red cedar)	10% to 20%		20-30"	Y	
Abies grandis (grand fir)	1% to 10%		10-20"	Y	
Alnus rubra (red alder)	1% to 10%		10-20"		
Tsuga heterophylla (western hemlock)	1% to 10%		10-20"	Y	
Asarum caudatum (wild ginger)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Smilacina stellata (starry false-Solomon's seal)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Prunus emarginata (bitter cherry)	trace		10-20"		
Galium aparine (cleavers)	trace				

Unit FP*238

Size: 8.8 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: Steep (20 to 30%)
Aspect: East
Notes:

Visit date: 7/31/2003

Ecological Health: Good.
% Tree canopy: 75%
% Non-Native Cover: not recorded
General Note:
Unit has a parking lot in the middle of it along with a road and fire lane. Species of Interest: TABR2
Management Note:
Several ILAQ shrubs sited. RUDI takes up a large section off Newton Road.
Eco Note:
Many dry creek beds running through unit with good structure--lots of downed wood and vegetation.
Wetland indicators: Hydrophilic Vegetation, Saturated Soils.
Primary Management concerns: Invasives, Soil Compaction, Domestic Animals, 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			
Rubus spectabilis (salmonberry)	20% to 50%	Y			
Berberis nervosa (Oregon grape)	20% to 50%				
Alnus rubra (red alder)	10% to 20%		10-20"		
Thuja plicata (western red cedar)	10% to 20%		5-10"	Y	
Acer circinatum (vine maple)	10% to 20%				
Abies grandis (grand fir)	1% to 10%		20-30"	Y	
Pseudotsuga menziesii (Douglas fir)	1% to 10%		20-30"		
Tsuga heterophylla (western hemlock)	1% to 10%		20-30"	Y	
Adiantum pedatum (maidenhair fern)	1% to 10%				
Athyrium filix-femina (ladyfern)	1% to 10%				
Oemleria cerasiformis (Indian-plum)	1% to 10%				
Ranunculus repens (creeping buttercup)	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%				
Taxus brevifolia (Pacific yew)	trace		5-10"		
Geranium robertianum (herb-Robert)	trace				
Ilex aquafolium (English holly)	trace				
Stachys cooleyae (Cooley's hedgenettle)	trace				
Vaccinium parvifolum (red huckleberry)	trace				

Unit FP*239

Size: 4.98 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: 6/30/2004
Ecological Health: Good.
% Tree canopy: 65%
% Non-Native Cover: trace
General Note:
Species of Interest: RIBR, BLSP
Management Note:
Invasive forbs negligible--remove ILAQ from interior of unit.
Eco Note:
Unit is a ravine trending northeast. Large THPL snag--DBH 70.81. Warbler seen in unit. This area has a lot of downed branches and tall/short shrubs creating good habitat for birds. Crème colored insect cocoons found.
Wetland indicators: Streams, Hydrophilic Vegetation.
Primary Management concerns: Invasives.
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%				
Acer circinatum (vine maple)	10% to 20%	Y			
Rubus spectabilis (salmonberry)	10% to 20%	Y			
Thuja plicata (western red cedar)	10% to 20%		20-30"	Y	
Pseudotsuga menziesii (Douglas fir)	1% to 10%		20-30"		
Alnus rubra (red alder)	1% to 10%		10-20"		
Tsuga heterophylla (western hemlock)	1% to 10%		10-20"	Y	
Berberis nervosa (Oregon grape)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Viola glabella (stream violet)	1% to 10%				
Blechnum spicant (deer fern)	trace				
Galium aparine (cleavers)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Ribes bracteosum (stink currant)	trace				

Unit FP*240
Size: 0.25 Acres
NVCS Class: Sparse vegetation
NVCS Subclass: Boulder, gravel, cobble, or talus sparse vegetation
NVCS Group: Sparsely vegetated rock flats (boulders, cobble or gravel)
NVCS SubGroup: Cultural
NVCS Ecological System: unknown
Landform: unknown
Slope: unknown
Aspect: unknown
Notes: This is the Newton Rd. parking lot. Not surveyed.

Unit FP*241
Size: 14.88 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: CES204.001 North Pacific Maritime Dry-Mesic Douglas-fir-Western Hemlock Forest
Landform: Side-hill, Middle 3rd
Slope: Extremely Steep (over 30%)
Aspect: North
Notes:

Visit date: 7/1/2004
Ecological Health: Good.
% Tree canopy: 75%
% Non-Native Cover: 5
General Note:
Species of interest: TABR.
Management Note:
LAMU dominant forb on ridge top, one ILA Q shrub spotted just down from ridge on west slope near south side of unit.
Eco Note:
Unit includes a ridge running north through the center. West edge is border by an ephemeral stream. Heard an owl in this unit.
Wetland indicators: Streams, Hydrophilic Vegetation, Saturated Soils.
Primary Management concerns: Invasives.
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"	Y	
Berberis nervosa (Oregon grape)	20% to 50%	Y			
Polystichum munitum (sword fern)	20% to 50%	Y			
Rubus spectabilis (salmonberry)	10% to 20%	Y			
Thuja plicata (western red cedar)	10% to 20%		10-20"	Y	
Tsuga heterophylla (western hemlock)	10% to 20%		5-10"	Y	
Vaccinium parvifolum (red huckleberry)	1% to 10%	Y			
Alnus rubra (red alder)	1% to 10%		10-20"		
Galium aparine (cleavers)	1% to 10%				
Holodiscus discolor (oceanspray)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Lactuca muralis (wall lettuce)	1% to 10%				
Abies grandis (grand fir)	trace		5-10"	Y	
Ilex aquafolium (English holly)	trace				
Rumex obtusifolius (bitter dock)	trace				

Unit FP*242

Size: 15.38 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: 7/1/2004

Ecological Health: Good.

% Tree canopy: 85%

% Non-Native Cover: trace

General Note:

Unit consists mainly of a steep slope with no tall shrub layer.

Management Note:

Wetland indicators: Streams, Hydrophilic Vegetation, Saturated Soils.

Primary Management concerns: Invasives.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Polystichum munitum (sword fern)	50% to 75%	Y			
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	20-30"		
Thuja plicata (western red cedar)	20% to 50%		10-20"	Y	
Acer macrophyllum (bigleaf maple)	10% to 20%		10-20"	Y	
Berberis nervosa (Oregon grape)	10% to 20%				
Abies grandis (grand fir)	1% to 10%		5-10"	Y	
Tsuga heterophylla (western hemlock)	1% to 10%		5-10"	Y	
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Geranium robertianum (herb-Robert)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Monotropa uniflora (indianpipe)	trace				

Unit FP*243

Size: 12.72 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: North

Notes:

Visit date: 7/1/2004

Ecological Health: Good.

% Tree canopy: 70%

% Non-Native Cover: 5

General Note:

Skyline runs south of unit about 1/4 mile from edge - invasives moving into unit from road.

Management Note:

Eco Note:

Unit is a complex of ravines with ephemeral streams. Deciduous and shrubby with many THPL creating a nice habitat for birds. Diverse native forb layer.

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

Primary Management concerns: Invasives.

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"	
Thuja plicata (western red cedar)	20% to 50%	Y	10-20"	Y
Polystichum munitum (sword fern)	20% to 50%	Y		
Rubus spectabilis (salmonberry)	20% to 50%	Y		
Acer circinatum (vine maple)	10% to 20%	Y		
Berberis nervosa (Oregon grape)	10% to 20%	Y		
Alnus rubra (red alder)	1% to 10%		10-20"	
Populus balsamifera ssp. trichocarpa (black cott	1% to 10%		10-20"	
Tsuga heterophylla (western hemlock)	1% to 10%		10-20"	Y
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%			
Montia sibirica (Siberian minerslettuce)	1% to 10%			
Corylus avellana (common filbert)	trace			
Galium aparine (cleavers)	trace			
Geranium robertianum (herb-Robert)	trace			
Ribes bracteosum (stink currant)	trace			

Unit FP*244

Size: 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: CES204.002 North Pacific Maritime Wet-Mesic Douglas-fir-Western Hemlock Forest
Landform: Side-hill, Middle 3rd
Slope: Extremely Steep (over 30%)
Aspect: East
Notes:

Visit date: 7/6/2004

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

Large unit east facing slope running from the powerlines down to creek at bottom of unit.

Management Note:

Invasive cover low some RUDI and GERO. Monitor powerlines to decrease movement of invasives into unit.

Eco Note:

Healthy unit with good diversity. Young stand with some older PSME and THPL. Cover is more dense by creek. Good snags and downed wood, large stumps with fire scars. Species of interest CONU, MOUN and RIBR.

Wetland indicators: Streams, Hydrophilic Vegetation.
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			
Acer circinatum (vine maple)	10% to 20%	Y			
Pseudotsuga menziesii (Douglas fir)	1% to 10%		20-30"		
Thuja plicata (western red cedar)	1% to 10%		20-30"	Y	
Tsuga heterophylla (western hemlock)	1% to 10%		20-30"	Y	
Abies grandis (grand fir)	1% to 10%		10-20"	Y	
Alnus rubra (red alder)	1% to 10%		10-20"		
Berberis nervosa (Oregon grape)	1% to 10%				
Galium triflorum (sweet-scented fragrant Bedstra	1% to 10%				
Gaultheria shallon (salal)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Prunus emarginata (bitter cherry)	trace		5-10"		
Cornus nuttallii (Pacific dogwood)	trace		0-5"		
Actaea rubra (red baneberry)	trace				
Galium aparine (cleavers)	trace				

Geranium robertianum (herb-Robert)	trace
Ilex aquafolium (English holly)	trace
Lactuca muralis (wall lettuce)	trace
Ribes bracteosum (stink currant)	trace
Rubus discolor (Himalayan blackberry)	trace

Unit FP*245

Size: 51.53 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: 7/26/2004

Ecological Health: Severely Degraded.
% Tree canopy: 5%
% Non-Native Cover: 95
General Note:
This unit includes all of the powerline strips in the north part of Forest Park.
Management Note:
Unit is dominated by invasives.
Eco Note:
Unit is a complex of ravines and ridges running in various directions--therefore the unit was not given a specific aspect. A bald eagle and an osprey were spotted from the unit. Deer trails, scat and scent found through out unit.
Primary Management concerns: Invasives, Litter, Utility Infrastructure, Mountain Bike Impact.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Rubus discolor (Himalayan blackberry)	20% to 50%	Y			
Rubus parviflorus (thimbleberry)	10% to 20%	Y			
Agrostis sp. (bentgrass)	10% to 20%				
Cirsium arvense (Canadian Thistle)	1% to 10%				
Gaultheria shallon (salal)	1% to 10%				
Polystichum munitum (sword fern)	1% to 10%				
Pteridium aquilinum (bracken fern)	1% to 10%				
Rhamnus purshiana (cascara)	1% to 10%				
Salix scouleriana (Scouler's willow)	1% to 10%				
Aesculus hippocastanum (horsechestnut)	trace		0-5"		
Anthoxanthum odoratum (sweet vernalgrass)	trace				
Centaurium erythraea (European centaury)	trace				
Cichorium intybus (chicory)	trace				
Cirsium vulgare (bull thistle)	trace				
Corylus avellana (common filbert)	trace				
Crataegus monogyna (European hawthorn)	trace				
Cynosurus echinatus (bristly dogstail grass)	trace				
Cytisus scoparius (Scot's broom)	trace				
Dactylis glomerata (orchard grass)	trace				
Daucus carota (Queen Anne's lace)	trace				
Digitalis purpurea (purple foxglove)	trace				
Erigeron annuus (annual eastern daisy Fleabane)	trace				
Festuca arundinacea (tall fescue)	trace				
Galium aparine (cleavers)	trace				
Geranium robertianum (herb-Robert)	trace				
Holcus lanatus (velvet grass)	trace				
Hypericum perforatum (common St. John's wort)	trace				
Hypochaeris radicata (hairy cats-ear)	trace				
Ilex aquafolium (English holly)	trace				

Lactuca serriola (Lettuce)	trace
Lapsana communis (common nipplewort)	trace
Leucanthemum vulgare (oxeye daisy)	trace
Lilium columbianum (tiger-lily)	trace
Lotus corniculatus (birdsfoot trefoil)	trace
Matricaria discoidea (pineapple weed)	trace
Parentucellia viscosa (yellow parentucellia)	trace
Phalaris arundinacea (reed canarygrass)	trace
Phleum pratense (Timothy)	trace
Plantago lanceolata (English narrowleaf buckhorn	trace
Plantago major (common plantain)	trace
Ranunculus repens (creeping buttercup)	trace
Rumex obtusifolius (bitter dock)	trace
Senecio jacobaea (tansy ragwort)	trace
Taraxacum officinale (common dandelion)	trace
Trifolium pratense (red clover)	trace
Trifolium repens (common clover)	trace
Vicia hisuta (tiny vetch)	trace
Vicia sativa (common vetch)	trace
Vicia tetrasperma (lentil vetch)	trace

Unit FP*246

Size: 9.64 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, Upper 3rd
Slope: Steep (20 to 30%)
Aspect: Southeast
Notes:

Visit date: 7/6/2004

Ecological Health: Fair.
% Tree canopy: 75%
% Non-Native Cover: 5
General Note:

Flat topped unit sloping to BPA powerlines.

Management Note:

Unit most weedy along BPA roads. Some weeds in unit interior.

Eco Note:

Shrub layer very sparse, but a few individuals of many species. Understory very open. Species of interest LICO.

Wetland indicators: Hydrophilic Vegetation.
Primary Management concerns: Invasives, Domestic Animals, Yard Debris, Utility Infrastructure.
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%				
Hydrophyllum tenuipes (Pacific waterleaf)	10% to 20%	Y			
Pseudotsuga menziesii (Douglas fir)	1% to 10%		20-30"		
Alnus rubra (red alder)	1% to 10%		10-20"		
Thuja plicata (western red cedar)	1% to 10%		10-20"	Y	
Tsuga heterophylla (western hemlock)	1% to 10%		10-20"	Y	
Acer circinatum (vine maple)	1% to 10%				
Montia sibirica (Siberian minerslettuce)	1% to 10%				
Rubus parviflorus (thimbleberry)	1% to 10%				
Rubus ursinus (trailing blackberry)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Smilacina stellata (starry false-Solomon's seal)	1% to 10%				
Symphoricarpos albus (snowberry)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				

Vancouveria hexandra (white inside-out-flower)	1% to 10%	
Prunus cerasifera (cherry plum)	trace	0-5"
Asarum caudatum (wild ginger)	trace	
Berberis nervosa (Oregon grape)	trace	
Corylus avellana (common filbert)	trace	
Crataegus monogyna (European hawthorn)	trace	
Dactylis glomerata (orchard grass)	trace	
Galium aparine (cleavers)	trace	
Gaultheria shallon (salal)	trace	
Geranium robertianum (herb-Robert)	trace	
Hedera helix (English ivy)	trace	
Ilex aquafolium (English holly)	trace	
Juglans nigra (black walnut)	trace	
Lactuca muralis (wall lettuce)	trace	
Lapsana communis (common nipplewort)	trace	
Lilium columbianum (tiger-lily)	trace	
Plantago major (common plantain)	trace	
Ranunculus repens (creeping buttercup)	trace	
Rubus discolor (Himalayan blackberry)	trace	
Rumex obtusifolius (bitter dock)	trace	
Taraxacum officinale (common dandelion)	trace	

Unit FP*247

Size: 16.71 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: CES204.001 North Pacific Maritime Dry-Mesic Douglas-fir-Western Hemlock Forest
Landform: Side-hill, Middle 3rd
Slope: Extremely Steep (over 30%)
Aspect: Northwest
Notes:

Visit date: 7/6/2004
Ecological Health: Good.
% Tree canopy: 85%
% Non-Native Cover: 5
General Note:
Access by service road off Skyline to Kielhorn meadow. SE facing slope bound on the east by WW trail and creek.
Management Note:
Lots of non-natives in meadow.
Eco Note:
Unit includes Kielhorn meadow in NW quad. Some down wood mostly small in DBH. Elk scat in unit.
Primary Management concerns: Invasives, Litter, Large Refuse.
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			
Alnus rubra (red alder)	20% to 50%		10-20"		
Berberis nervosa (Oregon grape)	10% to 20%	Y			
Pseudotsuga menziesii (Douglas fir)	1% to 10%		20-30"		
Thuja plicata (western red cedar)	1% to 10%		10-20"	Y	
Acer circinatum (vine maple)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Symphoricarpos albus (snowberry)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Prunus avium (sweet pie cherry)	trace		0-5"		
Cirsium arvense (Canadian Thistle)	trace				
Corylus avellana (common filbert)	trace				
Dactylis glomerata (orchard grass)	trace				
Galium aparine (cleavers)	trace				
Geranium robertianum (herb-Robert)	trace				

Ilex aquafolium (English holly)	trace
Lactuca muralis (wall lettuce)	trace
Ranunculus repens (creeping buttercup)	trace
Rumex obtusifolius (bitter dock)	trace

Unit FP*248

Size: 13.38 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: Northwest
Notes:

Visit date: 7/1/2004

Ecological Health: Good.
% Tree canopy: 80%
% Non-Native Cover: trace
General Note:

Mixed unit with good structure. Wildwood Trail runs through unit.
Unit contains several drainages.
Species of interest: RIBR.

Management Note:

Weeds common on trail, few in interior.

Eco Note:

RIBR along edge of creek.

Wetland indicators: Streams, Surface Water, Saturated Soils, Standing Flowing Water.
Primary Management concerns: Invasives.
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			
Acer circinatum (vine maple)	10% to 20%	Y			
Rubus spectabilis (salmonberry)	10% to 20%	Y			
Pseudotsuga menziesii (Douglas fir)	10% to 20%		10-20"		
Thuja plicata (western red cedar)	10% to 20%		10-20"	Y	
Alnus rubra (red alder)	1% to 10%		10-20"		
Tsuga heterophylla (western hemlock)	1% to 10%		10-20"		
Abies grandis (grand fir)	1% to 10%		0-5"	Y	
Berberis nervosa (Oregon grape)	1% to 10%				
Circaea alpina (enchanter's-nightshade)	1% to 10%				
Geranium robertianum (herb-Robert)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Lactuca muralis (wall lettuce)	1% to 10%				
Montia sibirica (Siberian minerslettuce)	1% to 10%				
Hedera helix (English ivy)	trace				
Lapsana communis (common nipplewort)	trace				
Ribes bracteosum (stink currant)	trace				

Unit FP*249

Size: 18.20 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, Middle 3rd
Slope: Extremely Steep (over 30%)
Aspect: East
Notes:

Visit date: 7/1/2004
Ecological Health: Good.
% Tree canopy: 75%
% Non-Native Cover: 5
General Note:
Species of interest are Monotropa uniflora (3 populations) and Ribes bracteosum (in streams and draws).
Management Note:
Most weeds along Wildwood Trail.
Few weeds in interior.
Eco Note:
Streambank trampled by deer. Water in stream impounded by a "dam" of mud.
Wetland indicators: Streams, Hydrophilic Vegetation, Surface Water, Saturated Soils, Standing Flowing Water.
Primary Management concerns: Invasives, Trampling, Mountain Bike Impact.
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			
Pseudotsuga menziesii (Douglas fir)	10% to 20%		10-20"		
Thuja plicata (western red cedar)	10% to 20%		10-20"	Y	
Rubus spectabilis (salmonberry)	1% to 10%	Y			
Abies grandis (grand fir)	1% to 10%		20-30"	Y	
Alnus rubra (red alder)	1% to 10%		10-20"		
Tsuga heterophylla (western hemlock)	1% to 10%		10-20"	Y	
Acer circinatum (vine maple)	1% to 10%				
Circaea alpina (enchanter's-nightshade)	1% to 10%				
Geranium robertianum (herb-Robert)	1% to 10%				
Montia sibirica (Siberian minerslettuce)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Anemone deltoidea (three-leaf anemone)	trace				
Galium aparine (cleavers)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Monotropa uniflora (indianpipe)	trace				
Ribes bracteosum (stink currant)	trace				

Unit FP*250

Size: 19.04 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, Upper 3rd
Slope: Extremely Steep (over 30%)
Aspect: Northwest

Notes:

Visit date: 7/1/2004

Ecological Health: Good.

% Tree canopy: 80%

% Non-Native Cover: trace

General Note:

Mixed stand with several well-used game trails. Old logging road by creek lower in unit.
No dominant conifers.

Management Note:

Healthy unit. Weeds concentrated along edges. ILAQ in central unit needs to be removed.
BPA powerlines run along edge of unit.

Eco Note:

Seasonal creeks had good structure.
Lots of wildlife sign.

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)	50% to 75%	Y			
Alnus rubra (red alder)	10% to 20%		10-20"		
Thuja plicata (western red cedar)	10% to 20%		10-20"	Y	
Acer circinatum (vine maple)	1% to 10%	Y			
Tsuga heterophylla (western hemlock)	1% to 10%		20-30"	Y	
Berberis nervosa (Oregon grape)	1% to 10%				
Circaea alpina (enchanter's-nightshade)	1% to 10%				
Galium aparine (cleavers)	1% to 10%				
Geranium robertianum (herb-Robert)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Abies grandis (grand fir)	trace		0-5"	Y	
Geum urbanum (herb bennet)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				

Unit FP*251

Size: 5.87 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, Upper 3rd

Slope: Extremely Steep (over 30%)

Aspect: West

Notes:

Visit date: 7/1/2004

Ecological Health: Good.

% Tree canopy: 75%

% Non-Native Cover: trace

General Note:

Upper part of unit has been split off and joined to FP-277.

Management Note:

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

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"	Y	
Alnus rubra (red alder)	20% to 50%	Y	10-20"	Y	
Acer circinatum (vine maple)	20% to 50%	Y			
Polystichum munitum (sword fern)	10% to 20%	Y			
Rubus spectabilis (salmonberry)	10% to 20%	Y			
Geranium robertianum (herb-Robert)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Montia sibirica (Siberian minerslettuce)	1% to 10%				
Thuja plicata (western red cedar)	1% to 10%			Y	
Tsuga heterophylla (western hemlock)	trace		10-20"	Y	
Sorbus aucuparia (European mountain ash)	trace		0-5"		
Circaea alpina (enchanter's-nightshade)	trace				
Hedera helix (English ivy)	trace				
Ilex aquafolium (English holly)	trace				
Lapsana communis (common nipplewort)	trace				
Rumex obtusifolius (bitter dock)	trace				

Unit FP*252

Size: 21.68 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: East
Notes:

Visit date: 6/29/2004

Ecological Health: Good.
% Tree canopy: 70%
% Non-Native Cover: 5
General Note:

Species of Interest: CONU, PREM. ALRU DBH: 21.18

Management Note:

Eco Note:

Invasives located along Wildwood trail. Large Pileated woodpecker holes found in snag.

Wetland indicators: Streams, Hydrophilic Vegetation, Saturated Soils.
Primary Management concerns: Invasives.
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			
Pseudotsuga menziesii (Douglas fir)	20% to 50%		20-30"		
Rubus spectabilis (salmonberry)	10% to 20%	Y			
Alnus rubra (red alder)	10% to 20%		10-20"	Y	
Thuja plicata (western red cedar)	10% to 20%		10-20"	Y	
Tsuga heterophylla (western hemlock)	1% to 10%		10-20"	Y	
Abies grandis (grand fir)	1% to 10%		5-10"	Y	
Acer circinatum (vine maple)	1% to 10%				
Adiantum pedatum (maidenhair fern)	1% to 10%				
Athyrium filix-femina (ladyfern)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Lactuca muralis (wall lettuce)	1% to 10%				
Lapsana communis (common nipplewort)	1% to 10%				
Montia sibirica (Siberian minerslettuce)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				

Prunus emarginata (bitter cherry)	trace	5-10"
Cornus nuttallii (Pacific dogwood)	trace	0-5"
Prunus avium (sweet pie cherry)	trace	0-5"
Galium aparine (cleavers)	trace	
Geranium robertianum (herb-Robert)	trace	
Geum urbanum (herb bennet)	trace	
Plantago major (common plantain)	trace	
Ranunculus repens (creeping buttercup)	trace	
Rubus discolor (Himalayan blackberry)	trace	
Rumex obtusifolius (bitter dock)	trace	

Unit FP*253

Size: 28.73 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, Middle 3rd
Slope: Extremely Steep (over 30%)
Aspect: Northwest
Notes:

Visit date: 6/28/2004
Ecological Health: Good.
% Tree canopy: 85%
% Non-Native Cover: trace
General Note:

Management Note:

Eco Note:
Species of interest: PREM, BLSP, RIBR. LAMU along trail. PSME dbh:54.4
Wetland indicators: Streams, Hydrophilic Vegetation, Saturated Soils, Standing Flowing Water.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Polystichum munitum (sword fern)	50% to 75%	Y			
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	20-30"		
Tsuga heterophylla (western hemlock)	20% to 50%	Y	20-30"	Y	
Acer circinatum (vine maple)	10% to 20%	Y			
Acer macrophyllum (bigleaf maple)	10% to 20%		5-10"	Y	
Thuja plicata (western red cedar)	1% to 10%		10-20"	Y	
Achlys triphylla (vanillaleaf)	1% to 10%				
Athyrium filix-femina (ladyfern)	1% to 10%				
Berberis nervosa (Oregon grape)	1% to 10%				
Lactuca muralis (wall lettuce)	1% to 10%				
Montia sibirica (Siberian minerslettuce)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Prunus emarginata (bitter cherry)	trace		5-10"		
Abies grandis (grand fir)	trace		0-5"	Y	
Cornus nuttallii (Pacific dogwood)	trace		0-5"		
Blechnum spicant (deer fern)	trace				
Geranium robertianum (herb-Robert)	trace				
Lilium columbianum (tiger-lily)	trace				
Ribes bracteosum (stink currant)	trace				

Unit FP*254

Size: 22.36 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: East
Notes:

Visit date: 6/28/2004
Ecological Health: Healthy.
% Tree canopy: 75%
% Non-Native Cover: trace
General Note:
Species of interest: Ribes bracteosum.
Management Note:

Eco Note:
This unit is an east facing steep slope bordered by an ephemeral stream on the SE edge. Structural diversity, downed logs, snags are all present in this unit. Because the unit is located in the interior of Forest Park it is not impacted by roads or trails.
Wetland indicators: Streams, Hydrophilic Vegetation, Surface Water, Saturated Soils, Standing Flowing Water.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Polystichum munitum (sword fern)	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	
Acer circinatum (vine maple)	20% to 50%	Y			
Vancouveria hexandra (white inside-out-flower)	1% to 10%	Y			
Tsuga heterophylla (western hemlock)	1% to 10%		20-30"	Y	
Thuja plicata (western red cedar)	1% to 10%		10-20"	Y	
Berberis nervosa (Oregon grape)	1% to 10%				
Gaultheria shallon (salal)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Corylus avellana (common filbert)	trace				
Ribes bracteosum (stink currant)	trace				

Unit FP*255

Size: 23.35 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: 6/29/2004

Ecological Health: Fair.

% Tree canopy: 75%

% Non-Native Cover: 5

General Note:

Unit 255 is located in the north end of Forest Park on the west side of Firelane 12. It has creeks on the west and north sides no water was observed.

Management Note:

Heavier invasives on both the edges and in the interior.CLVI6 needs to be removed before it becomes more of a problem.

Eco Note:

There were several large stumps in the unit. Species of interest included RILA and MOUN.

Wetland indicators: Streams.

Primary Management concerns: Invasives.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Polystichum munitum (sword fern)	50% to 75%	Y			
Acer macrophyllum (bigleaf maple)	10% to 20%	Y	10-20"		
Tsuga heterophylla (western hemlock)	10% to 20%	Y	10-20"	Y	
Acer circinatum (vine maple)	10% to 20%	Y			
Berberis nervosa (Oregon grape)	10% to 20%	Y			
Pseudotsuga menziesii (Douglas fir)	1% to 10%		20-30"		
Abies grandis (grand fir)	1% to 10%		5-10"	Y	
Thuja plicata (western red cedar)	1% to 10%		5-10"	Y	
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Rhamnus purshiana (cascara)	1% to 10%				
Clematis vitalba (clematis)	trace				
Galium aparine (cleavers)	trace				
Geranium robertianum (herb-Robert)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Monotropa uniflora (indianpipe)	trace				
Plantago major (common plantain)	trace				
Ribes lacustre (prickly current)	trace				
Rumex obtusifolius (bitter dock)	trace				

Unit FP*256

Size: 2.46 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: unknown

Slope: unknown

Aspect: unknown

Unit FP*257

Size: 11.55 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: CES204.002 North Pacific Maritime Wet-Mesic Douglas-fir-Western Hemlock Forest

Landform: Side-hill, Middle 3rd

Slope: Extremely Steep (over 30%)

Aspect: North

Notes:

Visit date: 6/28/2004

Ecological Health: Good.
% Tree canopy: 75%
% Non-Native Cover: 5
General Note:

Management Note:

Fort made of small tree poles, litter scattered about, ground compacted around immediate area. Looks like it hasn't been used for a while.

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

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Polystichum munitum (sword fern)	over 75%	Y			
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	20-30"		
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	5-10"	Y	
Tsuga heterophylla (western hemlock)	1% to 10%		10-20"		
Alnus rubra (red alder)	1% to 10%		5-10"		
Thuja plicata (western red cedar)	1% to 10%		5-10"		
Achlys triphylla (vanillaleaf)	1% to 10%				
Berberis nervosa (Oregon grape)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Montia sibirica (Siberian minerslettuce)	1% to 10%				
Galium aparine (cleavers)	trace				
Geranium robertianum (herb-Robert)	trace				
Geum urbanum (herb bennet)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Plantago major (common plantain)	trace				
Ranunculus repens (creeping buttercup)	trace				
Rumex obtusifolius (bitter dock)	trace				

Unit FP*258

Size: 22.69 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, Middle 3rd
Slope: Extremely Steep (over 30%)
Aspect: Northeast
Notes:

Visit date: 6/29/2004

Ecological Health: Good.
% Tree canopy: 85%
% Non-Native Cover: 5
General Note:

10 green plastic paint buckets full of magazines, books, personal cards, food labels, etc. found in THPL grove on northwest side.

Management Note:

Invasive forbs constricted to trails. Several ILAQ's scattered around unit.

Eco Note:

Unit is a complex of ridges and ravines with ephemeral streams generally tending northeast. Large population of THPL.

Wetland indicators: Streams, Hydrophilic Vegetation, Saturated Soils.

Primary Management concerns: Invasives, Large Refuse.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Polystichum munitum (sword fern)	50% to 75%	Y			
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	20-30"		
Thuja plicata (western red cedar)	20% to 50%	Y	20-30"	Y	
Acer macrophyllum (bigleaf maple)	10% to 20%		10-20"		
Tsuga heterophylla (western hemlock)	10% to 20%		10-20"	Y	
Alnus rubra (red alder)	1% to 10%		10-20"		
Acer circinatum (vine maple)	1% to 10%				
Achlys triphylla (vanillaleaf)	1% to 10%				
Berberis nervosa (Oregon grape)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Alliaria petiolata (garlic mustard)	trace				
Cirsium vulgare (bull thistle)	trace				
Geranium robertianum (herb-Robert)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Plantago major (common plantain)	trace				
Ranunculus repens (creeping buttercup)	trace				

Unit FP*259

Size: 21.96 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: East

Notes:

Visit date: 7/27/2004

Ecological Health: Good.

% Tree canopy: 80%

General Note:

Steep side-slope unit surrounded by forested units on all sides.
Newton Trail runs through the upper portion of unit.

Management Note:

Weeds few, mostly along Newton Trail, scarce in unit interior.

Eco Note:

Low diversity of shrubs and herbs.

Primary Management concerns: Invasives, Litter.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	50% to 75%	Y	10-20"	Y	
Polystichum munitum (sword fern)	50% to 75%	Y			
Berberis nervosa (Oregon grape)	10% to 20%	Y			
Pseudotsuga menziesii (Douglas fir)	1% to 10%		20-30"	Y	
Alnus rubra (red alder)	1% to 10%		10-20"		
Thuja plicata (western red cedar)	1% to 10%		10-20"	Y	
Tsuga heterophylla (western hemlock)	1% to 10%		10-20"		
Gaultheria shallon (salal)	1% to 10%				
Holodiscus discolor (oceanspray)	1% to 10%				
Osmorhiza chilensis (mountain sweet-cicely)	1% to 10%				
Sorbus aucuparia (European mountain ash)	trace		0-5"		
Geranium robertianum (herb-Robert)	trace				
Hedera helix (English ivy)	trace				

Lapsana communis (common nipplewort)	trace
Plantago major (common plantain)	trace
Ranunculus repens (creeping buttercup)	trace

Unit FP*260

Size: 27.77 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: Northwest
Notes:

Visit date: 6/28/2004

Ecological Health: Good.
% Tree canopy: 75%
% Non-Native Cover: 5
General Note:

Unit is north facing steep slope, dissected with several ravines holding ephemeral streams. Tall shrub layer is absent.
TSHE: 43.59 inch DBH.

Management Note:

Remove ILAQ shrub in interior. Invasive forbs restricted to trail area.

Eco Note:

Species of interest: PREM, CONU, some kind of Epipactis (no flowers, so we will list as gigantea for now), and TABR.

Wetland indicators: Streams, Hydrophilic Vegetation, Saturated Soils, Standing Flowing Water.
Primary Management concerns: Invasives, Erosion.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Polystichum munitum (sword fern)	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	
Tsuga heterophylla (western hemlock)	10% to 20%		5-10"	Y	
Berberis nervosa (Oregon grape)	10% to 20%				
Thuja plicata (western red cedar)	1% to 10%		10-20"	Y	
Alnus rubra (red alder)	1% to 10%		5-10"		
Gaultheria shallon (salal)	1% to 10%				
Geranium robertianum (herb-Robert)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Montia sibirica (Siberian minerslettuce)	1% to 10%				
Ranunculus repens (creeping buttercup)	1% to 10%				
Prunus emarginata (bitter cherry)	trace		5-10"		
Abies grandis (grand fir)	trace		0-5"	Y	
Cornus nuttallii (Pacific dogwood)	trace		0-5"		
Taxus brevifolia (Pacific yew)	trace		0-5"		
Alliaria petiolata (garlic mustard)	trace				
Epipactis gigantea (stream orchid)	trace				
Galium aparine (cleavers)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Rumex obtusifolius (bitter dock)	trace				

Unit FP*261

Size: 55.45 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: CES204.001 North Pacific Maritime Dry-Mesic Douglas-fir-Western Hemlock Forest
Landform: Side-hill, Lower 3rd
Slope: Extremely Steep (over 30%)
Aspect: Northeast
Notes:

Visit date: 7/27/2004

Ecological Health: Good.
% Tree canopy: 75%
% Non-Native Cover: trace
General Note:

Unit is adjacent to St. Helens Rd.
Newton Trail runs through the west side of the unit.

Management Note:

Invasives low, mainly concentrated on old roads and trails.

Eco Note:

Unit is a complex of ridges and ravines trending through the unit. Noise from industrial area along St. Helens Rd. heard in all reaches of unit.

Wetland indicators: Hydrophilic Vegetation.
Primary Management concerns: Invasives, 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	10-20"		
Pseudotsuga menziesii (Douglas fir)	20% to 50%		20-30"		
Berberis nervosa (Oregon grape)	10% to 20%	Y			
Alnus rubra (red alder)	1% to 10%		10-20"		
Tsuga heterophylla (western hemlock)	1% to 10%		10-20"		
Acer circinatum (vine maple)	1% to 10%				
Corylus cornuta (western beaked hazelnut)	1% to 10%				
Gaultheria shallon (salal)	1% to 10%				
Oemleria cerasiformis (Indian-plum)	1% to 10%				
Rubus ursinus (trailing blackberry)	1% to 10%				
Cornus nuttallii (Pacific dogwood)	trace		0-5"		
Cirsium vulgare (bull thistle)	trace				
Clematis vitalba (clematis)	trace				
Galium aparine (cleavers)	trace				
Geranium robertianum (herb-Robert)	trace				
Hedera helix (English ivy)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Senecio jacobaea (tansy ragwort)	trace				

Unit FP*262

Size: 0.10 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: 9/21/2007

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

This small unit straddles a creek below a large culvert underneath NW Mackay Ave.

Management Note:

The whole unit is a weed patch with some weedy trees in the canopy.

Eco Note:

The substrate is mostly rock fill. There is little native structure in this unit aside from small bigleaf maples and some indian plum.

Wetland indicators: Streams.
Primary Management concerns: Invasives, Utility Infrastructure, Stream Bank Erosion.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Hedera helix (English ivy)	over 75%	Y			
Acer macrophyllum (bigleaf maple)	50% to 75%	Y	5-10"		
Prunus laurocerasus (English laurel)	20% to 50%	Y			
Oemleria cerasiformis (Indian-plum)	10% to 20%				
Corylus avellana (common filbert)	1% to 10%				
Polystichum munitum (sword fern)	1% to 10%				
Populus balsamifera ssp. trichocarpa (black cott	trace		20-30"		
Prunus avium (sweet pie cherry)	trace		5-10"		
Ilex aquafolium (English holly)	trace				
Rubus discolor (Himalayan blackberry)	trace				

Unit FP*263

Size: 29.51 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: Steep (20 to 30%)
Aspect: East
Notes:

Visit date: 6/29/2004

Ecological Health: Fair.
% Tree canopy: 75%
% Non-Native Cover: 10
General Note:

Management Note:

Invasives scattered throughout unit.

Eco Note:

Unit is a moderately flat bowl bordered by ridges. Elk scat and hoof prints found throughout unit. Large cut stumps, nurse logs and second growth cut stumps indicate that this area has been logged at least twice.

Wetland indicators: Streams, Saturated Soils.

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			
Rubus spectabilis (salmonberry)	10% to 20%	Y			
Alnus rubra (red alder)	10% to 20%		10-20"		
Tsuga heterophylla (western hemlock)	1% to 10%		10-20"	Y	
Berberis nervosa (Oregon grape)	1% to 10%				
Galium aparine (cleavers)	1% to 10%				
Geranium robertianum (herb-Robert)	1% to 10%				
Hedera helix (English ivy)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Montia sibirica (Siberian minerslettuce)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Thuja plicata (western red cedar)	trace		20-30"	Y	
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				

Unit FP*264

Size: 12.43 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: Northwest

Notes:

Visit date: 6/29/2004

Ecological Health: Good.

% Tree canopy: 80%

% Non-Native Cover: 5

General Note:

Management Note:

Eco Note:

Unit is a ridge top with a steep west facing slope bordered by an ephemeral stream. Dry site plants found mostly on ridge top.

Wetland indicators: Streams, Saturated Soils.

Primary Management concerns: Invasives, Informal Trails.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Polystichum munitum (sword fern)	50% to 75%	Y			
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	10-20"		
Thuja plicata (western red cedar)	20% to 50%		5-10"	Y	
Acer macrophyllum (bigleaf maple)	10% to 20%		10-20"	Y	
Tsuga heterophylla (western hemlock)	1% to 10%		10-20"	Y	
Abies grandis (grand fir)	1% to 10%		5-10"	Y	
Alnus rubra (red alder)	1% to 10%		5-10"		
Athyrium filix-femina (ladyfern)	1% to 10%				
Berberis nervosa (Oregon grape)	1% to 10%				
Galium aparine (cleavers)	1% to 10%				
Gaultheria shallon (salal)	1% to 10%				
Geranium robertianum (herb-Robert)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Prunus emarginata (bitter cherry)	trace		10-20"		
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				

Monotropa uniflora (indianpipe)	trace
Trientalis latifolia (western broad-leaf starflo	trace

Unit FP*265

Size: 28.07 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: CES204.001 North Pacific Maritime Dry-Mesic Douglas-fir-Western Hemlock Forest
Landform: Side-hill, Middle 3rd
Slope: Extremely Steep (over 30%)
Aspect: West
Notes:

Visit date: 7/12/2004
Ecological Health: Good.
% Tree canopy: 75%
% Non-Native Cover: trace
General Note:

Management Note:
Invasives from powerline are beginning to move into unit.
Eco Note:
Unit includes several steep ravines trending east. Small patches of bare soil (average: 12'x12') found throughout unit. Elk scat spotted near these areas. High shrub diversity absent. Invasives very low in unit but is bordered on edges by powerlines.
Wetland indicators: Streams.
Primary Management concerns: Invasives.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Polystichum munitum (sword fern)	50% to 75%				
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	20-30"		
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"	Y	
Berberis nervosa (Oregon grape)	20% to 50%	Y			
Alnus rubra (red alder)	10% to 20%		10-20"		
Abies grandis (grand fir)	1% to 10%		5-10"	Y	
Thuja plicata (western red cedar)	1% to 10%		5-10"	Y	
Tsuga heterophylla (western hemlock)	1% to 10%		5-10"	Y	
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Amelanchier alnifolia (serviceberry)	trace				
Galium aparine (cleavers)	trace				
Lactuca muralis (wall lettuce)	trace				
Monotropa uniflora (indianpipe)	trace				
Montia sibirica (Siberian minerslettuce)	trace				

Unit FP*266

Size: 14.27 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, Upper 3rd
Slope: Extremely Steep (over 30%)
Aspect: East
Notes:

Visit date: 7/12/2004
Ecological Health: Fair.
% Tree canopy: 75%
% Non-Native Cover: 5
General Note:
FP266 is south of powerlines and BPA road.
Management Note:

Eco Note:
Heavy BENE with a limited upper shrub layer. Ribes sanguineum on west edge of plot. Lots of game trails.
Wetland indicators: Streams.
Primary Management concerns: Invasives.
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"	Y	
Polystichum munitum (sword fern)	20% to 50%	Y			
Berberis nervosa (Oregon grape)	20% to 50%				
Tsuga heterophylla (western hemlock)	1% to 10%		10-20"	Y	
Galium aparine (cleavers)	1% to 10%				
Galium triflorum (sweet-scented fragrant Bedstra	1% to 10%				
Gaultheria shallon (salal)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Abies grandis (grand fir)	trace		5-10"	Y	
Geranium robertianum (herb-Robert)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Ribes sanguineum (red-flowering currant)	trace				

Unit FP*267

Size: 32.81 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, Lower 3rd
Slope: Extremely Steep (over 30%)
Aspect: Northeast
Notes:

Visit date: 7/26/2004
Ecological Health: Fair.
% Tree canopy: 80%
% Non-Native Cover: 10
General Note:
Many homeless camps found--several dwellings and many informal trails. Species of Interest: MOUN3.
Management Note:
Mountain bike tracks.

Eco Note:

Very mixed unit (in terms of plant species). Down-slope to St. Helens Road. Most of the bottom of unit which comes to a point at the ravine is filled with HEHE.

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

Primary Management concerns: Invasives, Homeless Camp, Mountain Bike Impact, Informal Trails.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	20-30"		
Berberis nervosa (Oregon grape)	20% to 50%				
Polystichum munitum (sword fern)	20% to 50%				
Acer macrophyllum (bigleaf maple)	10% to 20%		10-20"	Y	
Tsuga heterophylla (western hemlock)	1% to 10%		10-20"	Y	
Acer circinatum (vine maple)	1% to 10%				
Athyrium filix-femina (ladyfern)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Rubus parviflorus (thimbleberry)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Rubus ursinus (trailing blackberry)	1% to 10%				
Symphoricarpos albus (snowberry)	1% to 10%				
Abies grandis (grand fir)	trace		5-10"	Y	
Thuja plicata (western red cedar)	trace		5-10"	Y	
Agrostis sp. (bentgrass)	trace				
Cirsium arvense (Canadian Thistle)	trace				
Crataegus douglasii (Douglas' black hawthorn)	trace				
Dactylis glomerata (orchard grass)	trace				
Festuca arundinacea (tall fescue)	trace				
Galium aparine (cleavers)	trace				
Geum urbanum (herb bennet)	trace				
Hedera helix (English ivy)	trace				
Holcus lanatus (velvet grass)	trace				
Hypericum perforatum (common St. John's wort)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Lactuca serriola (Lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Monotropa uniflora (indianpipe)	trace				
Plantago major (common plantain)	trace				
Prunella vulgaris ssp. lanceolata (lance selfhea	trace				
Pyrus communis (common pear)	trace				
Ranunculus repens (creeping buttercup)	trace				
Rumex obtusifolius (bitter dock)	trace				
Taraxacum officinale (common dandelion)	trace				

Unit FP*268

Size: 2.53 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: Northeast
Notes:

Visit date: 9/21/2007

Ecological Health: Fair.
% Tree canopy: 90%
% Non-Native Cover: 30
General Note:

The unit is a narrow strip above and paralleling Hwy 30.

Management Note:

Ivy and blackberry are found mostly in the central part of the unit and are dense in places.

Eco Note:

The unit has a very dry ecology.

Wetland indicators: Streams.

Primary Management concerns: Invasives, Litter, Homeless Camp, Stream Bank Erosion, Informal Trails.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Pseudotsuga menziesii (Douglas fir)	50% to 75%	Y	20-30"	Y	
Polystichum munitum (sword fern)	20% to 50%	Y			
Rubus ursinus (trailing blackberry)	10% to 20%	Y			
Symphoricarpos albus (snowberry)	10% to 20%	Y			
Acer macrophyllum (bigleaf maple)	10% to 20%		10-20"		
Hedera helix (English ivy)	10% to 20%				
Acer circinatum (vine maple)	1% to 10%				
Amelanchier alnifolia (serviceberry)	1% to 10%				
Holodiscus discolor (oceanspray)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Oemleria cerasiformis (Indian-plum)	1% to 10%				
Rosa gymnocarpa (dwarf wood rose)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Quercus garryana (Oregon white oak)	trace		10-20"		
Taxus brevifolia (Pacific yew)	trace		5-10"		
Thuja plicata (western red cedar)	trace		5-10"		
Geranium robertianum (herb-Robert)	trace				

Unit FP*269

Size: 2.71 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, Upper 3rd

Slope: Steep (20 to 30%)

Aspect: West

Visit date: 7/30/2003

Ecological Health: Good.

% Tree canopy: 75%

% Non-Native Cover: not recorded

General Note:

Unit is a thin strip of vegetation south of powerline.

Management Note:

Remove invasives.

Eco Note:

Unit has diverse structural layering and species. Unit is impacted by both service road to north and neighborhood to the south.

Wetland indicators: Hydrophilic Vegetation.

Primary Management concerns: Invasives, Utility Infrastructure.

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%				
Polystichum munitum (sword fern)	10% to 20%	Y			
Acer circinatum (vine maple)	10% to 20%				
Symphoricarpos albus (snowberry)	10% to 20%				
Pseudotsuga menziesii (Douglas fir)	1% to 10%		10-20"		
Alnus rubra (red alder)	1% to 10%		5-10"		
Prunus avium (sweet pie cherry)	1% to 10%		5-10"	Y	
Thuja plicata (western red cedar)	1% to 10%		5-10"	Y	

Corylus cornuta (western beaked hazelnut)	1% to 10%
Galium aparine (cleavers)	1% to 10%
Gaultheria shallon (salal)	1% to 10%
Oemleria cerasiformis (Indian-plum)	1% to 10%
Rubus ursinus (trailing blackberry)	1% to 10%
Vaccinium parvifolum (red huckleberry)	1% to 10%
Vancouveria hexandra (white inside-out-flower)	1% to 10%
Carex deweyana (Dewey sedge)	trace
Geranium robertianum (herb-Robert)	trace
Holodiscus discolor (oceanspray)	trace
Ilex aquafolium (English holly)	trace

Unit FP*270

Size: 12.32 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, Upper 3rd
Slope: Extremely Steep (over 30%)
Aspect: North

Visit date: 7/30/2003

Ecological Health: Good.
% Tree canopy: 85%
% Non-Native Cover: not recorded
General Note:

We entered unit on service road between Mactavish and Glenndoveer streets.

Management Note:

Remove invasives which consist of a few new shoots of ILAQ and one PRLA (by Kielhorn Meadows north end by power pole).

Eco Note:

Unit had two drainages running north across unit both with seasonal streams. Unit had good diversity and structural layering.

Wetland indicators: Hydrophilic Vegetation, Water Marks.
Primary Management concerns: Invasives.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Polystichum munitum (sword fern)	50% to 75%	Y			
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"	Y	
Alnus rubra (red alder)	20% to 50%	Y	10-20"		
Acer circinatum (vine maple)	10% to 20%	Y			
Vancouveria hexandra (white inside-out-flower)	10% to 20%	Y			
Berberis nervosa (Oregon grape)	10% to 20%				
Montia sibirica (Siberian minerslettuce)	10% to 20%				
Rubus spectabilis (salmonberry)	10% to 20%				
Thuja plicata (western red cedar)	1% to 10%		5-10"	Y	
Prunus avium (sweet pie cherry)	1% to 10%		0-5"		
Holodiscus discolor (oceanspray)	1% to 10%				
Oemleria cerasiformis (Indian-plum)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Pseudotsuga menziesii (Douglas fir)	trace		20-30"		
Amelanchier alnifolia (serviceberry)	trace				
Asarum caudatum (wild ginger)	trace				
Galium aparine (cleavers)	trace				
Gaultheria shallon (salal)	trace				
Hedera helix (English ivy)	trace				
Ilex aquafolium (English holly)	trace				
Philadelphus lewisii (Lewis' mockorange)	trace				

Unit FP*271

Size: 15.89 Acres
NVCS Class: Woodland
NVCS Subclass: Deciduous woodland
NVCS Group: Cold-deciduous woodland
NVCS SubGroup: Natural / Semi-natural
NVCS Ecological System: CES204.869 North Pacific Lowland Riparian Forest and Shrubland
Landform: Side-hill, Middle 3rd
Slope: Extremely Steep (over 30%)
Aspect: Northwest
Notes:

Visit date: 7/30/2003

Ecological Health: unknown.
% Tree canopy: 40%
% Non-Native Cover: not recorded
General Note:

Unit is a utility right of way for a power line.

Management Note:

Management of invasives on sides of unit seems immediate in order to protect the high ecological health of the north section of Forest Park.

Eco Note:

Landform is a series of ravines alternating in aspect. RUDI is out-competed by RUSP which dominates the center of the unit. Invasives are mostly constricted to edges.

Wetland indicators: Streams, Hydrophilic Vegetation.
Primary Management concerns: Invasives, Utility Infrastructure, Informal Trails.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Rubus spectabilis (salmonberry)	20% to 50%	Y			
Alnus rubra (red alder)	10% to 20%	Y	5-10"	Y	
Rubus discolor (Himalayan blackberry)	10% to 20%				
Acer macrophyllum (bigleaf maple)	1% to 10%	Y	10-20"	Y	
Pseudotsuga menziesii (Douglas fir)	1% to 10%		10-20"	Y	
Thuja plicata (western red cedar)	1% to 10%		5-10"	Y	
Cirsium arvense (Canadian Thistle)	1% to 10%				
Cytisus scoparius (Scot's broom)	1% to 10%				
Daucus carota (Queen Anne's lace)	1% to 10%				
Epilobium angustifolium (fireweed)	1% to 10%				
Festuca arundinacea (tall fescue)	1% to 10%				
Holcus lanatus (velvet grass)	1% to 10%				
Holodiscus discolor (oceanspray)	1% to 10%				
Phalaris arundinacea (reed canarygrass)	1% to 10%				
Polystichum munitum (sword fern)	1% to 10%				
Rubus parviflorus (thimbleberry)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Tsuga heterophylla (western hemlock)	trace		5-10"	Y	
Prunus avium (sweet pie cherry)	trace		0-5"		
Anaphalis margaritacea (western pearly-everlasti	trace				
Cirsium vulgare (bull thistle)	trace				
Lathyrus polyphyllus (Pacific leafy peavine)	trace				
Leucanthemum vulgare (oxeye daisy)	trace				
Lotus corniculatus (birdsfoot trefoil)	trace				
Senecio jacobaea (tansy ragwort)	trace				
Vicia cracca (vetch)	trace				

Unit FP*274

Size: 25.9 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, Middle 3rd

Slope: Extremely Steep (over 30%)

Aspect: Northwest

Visit date: 7/30/2003

Ecological Health: Good.

% Tree canopy: 75%

% Non-Native Cover: not recorded

General Note:

Service roads runs through unit intersects it three times. Wildwood trail runs through unit intersects it once.

Management Note:

Watch area along road for erosion and invasive species.

Eco Note:

Evidence of past burn in unit. Also there was a layer of very deep and dry leaf litter on forest floor.

Wetland indicators: Water Marks.

Primary Management concerns: Invasives, Utility Infrastructure, Mountain Bike Impact.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Polystichum munitum (sword fern)	50% to 75%	Y			
Tsuga heterophylla (western hemlock)	20% to 50%	Y	20-30"	Y	
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"	Y	
Acer circinatum (vine maple)	20% to 50%	Y			
Rubus spectabilis (salmonberry)	20% to 50%	Y			
Thuja plicata (western red cedar)	10% to 20%		5-10"	Y	
Berberis nervosa (Oregon grape)	10% to 20%				
Alnus rubra (red alder)	1% to 10%		5-10"		
Pseudotsuga menziesii (Douglas fir)	1% to 10%		5-10"		
Adiantum pedatum (maidenhair fern)	1% to 10%				
Athyrium filix-femina (ladyfern)	1% to 10%				
Corylus cornuta (western beaked hazelnut)	1% to 10%				
Gaultheria shallon (salal)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Rubus parviflorus (thimbleberry)	1% to 10%				
Rubus ursinus (trailing blackberry)	1% to 10%				
Tolmiea menziesii (piggy-back plant)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Carex deweyana (Dewey sedge)	trace				
Geranium robertianum (herb-Robert)	trace				
Ilex aquafolium (English holly)	trace				
Rosa gymnocarpa (dwarf wood rose)	trace				

Unit FP*276

Size: 13.67 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: East

Notes:

Visit date: 6/29/2004

Ecological Health: Good.

% Tree canopy: 85%
% Non-Native Cover: trace
General Note:

This unit consisted of a steep east facing slope with a creek at the bottom. There was water present at time of survey. Above the creek in the middle of the unit is a possible spring. In this area the soil was moist and there was hydrophilic vegetation.

Management Note:

Main impacts are associated with the road and the powerlines. This is were the invasives were heaviest.

Eco Note:

This unit is made up of young ACMA3 & TSHE with THPL regeneration and some large remnant PSME. Species of interest include RIBR and EUOC8 which is located in the drainage near the bend on Firelane 15 just pass the junction of Firelanes 15 & 12.

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

Primary Management concerns: Invasives.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Polystichum munitum (sword fern)	50% to 75%	Y			
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"	Y	
Tsuga heterophylla (western hemlock)	20% to 50%	Y	10-20"	Y	
Pseudotsuga menziesii (Douglas fir)	1% to 10%		20-30"		
Thuja plicata (western red cedar)	1% to 10%		10-20"	Y	
Acer circinatum (vine maple)	1% to 10%				
Berberis nervosa (Oregon grape)	1% to 10%				
Gaultheria shallon (salal)	1% to 10%				
Geranium robertianum (herb-Robert)	1% to 10%				
Lapsana communis (common nipplewort)	1% to 10%				
Ranunculus repens (creeping buttercup)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Cirsium arvense (Canadian Thistle)	trace				
Cirsium vulgare (bull thistle)	trace				
Corylus avellana (common filbert)	trace				
Euonymus occidentalis (western wahoo)	trace				
Lactuca muralis (wall lettuce)	trace				
Plantago major (common plantain)	trace				
Ribes bracteosum (stink currant)	trace				
Rumex obtusifolius (bitter dock)	trace				
Vicia hisuta (tiny vetch)	trace				

Unit FP*277

Size: 20.99 Acres
NVCS Class: Forest
NVCS Subclass: Evergreen forest
NVCS Group: Temperate needle-leaved evergreen forest
NVCS SubGroup: Natural / Semi-natural
NVCS Ecological System: CES204.001 North Pacific Maritime Dry-Mesic Douglas-fir-Western Hemlock Forest
Landform: Side-hill, Upper 3rd
Slope: Extremely Steep (over 30%)
Aspect: West
Notes:

Visit date: 6/29/2004

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

FP277 was west facing slope. It was a young stand with massive rotted stumps and evidence of fire. Species of interest were TABR2 22.2" DBH, MOUN3.

Management Note:

Weed populations were mainly around the road with only sparse LAMU and GERO in interior.

Eco Note:

There was a fair amount of bare soil in this unit. In the central part of the unit at mid-slope there was a large bare spot with no ground cover and lots of down wood.

Primary Management concerns: Invasives.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	20-30"		
Polystichum munitum (sword fern)	20% to 50%	Y			
Abies grandis (grand fir)	10% to 20%		10-20"	Y	
Acer macrophyllum (bigleaf maple)	10% to 20%		10-20"	Y	
Acer circinatum (vine maple)	1% to 10%	Y			
Berberis nervosa (Oregon grape)	1% to 10%	Y			
Alnus rubra (red alder)	1% to 10%		10-20"		
Thuja plicata (western red cedar)	1% to 10%		5-10"	Y	
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Taxus brevifolia (Pacific yew)	trace		10-20"		
Cornus nuttallii (Pacific dogwood)	trace		0-5"		
Geranium robertianum (herb-Robert)	trace				
Geum urbanum (herb bennet)	trace				
Hedera helix (English ivy)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Monotropa uniflora (indianpipe)	trace				
Plantago major (common plantain)	trace				
Ranunculus repens (creeping buttercup)	trace				
Rubus discolor (Himalayan blackberry)	trace				
Rumex obtusifolius (bitter dock)	trace				
Trientalis latifolia (western broad-leaf starflo	trace				

Unit FP*280

Size: 26.25 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: Southeast

Notes:

Visit date: 8/18/2003

Ecological Health: Fair.

% Tree canopy: 80%

% Non-Native Cover: not recorded

General Note:

Species of Interest: TABR2

Management Note:

Mitigate for invasives on edges to prevent them from establishing themselves inside unit--as well to protect oak/viburnum stand that borders north edge of unit.

Eco Note:

Unit is a ridge bordered on the east side by a creek/ravine and on the west by a power line. Invasives are mainly constricted to the edges. Inside of unit is a fairly healthy plantation stand.

Wetland indicators: Streams, Hydrophilic Vegetation, Saturated Soils.

Primary Management concerns: Invasives, Soil Compaction, Litter, Large Refuse, Homeless Camp, Informal Trails.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Pseudotsuga menziesii (Douglas fir)	50% to 75%	Y	20-30"	Y	
Polystichum munitum (sword fern)	50% to 75%	Y			
Acer circinatum (vine maple)	20% to 50%	Y			
Acer macrophyllum (bigleaf maple)	20% to 50%		10-20"	Y	
Berberis nervosa (Oregon grape)	20% to 50%				
Corylus cornuta (western beaked hazelnut)	10% to 20%				
Gaultheria shallon (salal)	10% to 20%				
Rubus ursinus (trailing blackberry)	10% to 20%				
Abies grandis (grand fir)	1% to 10%		20-30"	Y	
Alnus rubra (red alder)	1% to 10%		10-20"		
Tsuga heterophylla (western hemlock)	1% to 10%		10-20"	Y	
Thuja plicata (western red cedar)	1% to 10%		5-10"	Y	
Galium triflorum (sweet-scented fragrant Bedstra	1% to 10%				
Holodiscus discolor (oceanspray)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Lactuca muralis (wall lettuce)	1% to 10%				
Rosa gymnocarpa (dwarf wood rose)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Symphoricarpos albus (snowberry)	1% to 10%				
Trientalis latifolia (western broad-leaf starflo	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Taxus brevifolia (Pacific yew)	trace		5-10"		
Achlys triphylla (vanillaleaf)	trace				
Adiantum pedatum (maidenhair fern)	trace				
Hedera helix (English ivy)	trace				
Toxicodendron diversilobum (poison oak)	trace				

Unit FP*282

Size: 3.85 Acres
NVCS Class: Woodland
NVCS Subclass: Deciduous woodland
NVCS Group: Cold-deciduous woodland
NVCS SubGroup: Natural / Semi-natural
NVCS Ecological System: CES204.852 North Pacific Oak Woodland
Landform: Side-hill, Middle 3rd
Slope: Extremely Steep (over 30%)
Aspect: Northeast
Notes:

Visit date: 8/18/2003

Ecological Health: Fair.
% Tree canopy: 50%
% Non-Native Cover: not recorded
General Note:

Unit is between Harborton and Germantown Road off of Highway 30.

Management Note:

CYSC4 is invading (apparently) from Hwy 30 and up into unit. Remove CYSC4 and RUDI to preserve oak woodland.

Eco Note:

Unique ecosystem of Viburnum ellipticum and Quercus garryana. Stand is doing well with the exception of the blackberry and scotch broom beginning to take hold.

Primary Management concerns: Invasives, Soil Compaction, Utility Infrastructure, Mountain Bike Impact, Informal Trails.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Quercus garryana (Oregon white oak)	20% to 50%	Y	10-20"	Y	

Viburnum ellipticum (oregon viburnum)	20% to 50%	Y			
Symphoricarpos albus (snowberry)	10% to 20%	Y			
Pseudotsuga menziesii (Douglas fir)	1% to 10%		20-30"		
Acer macrophyllum (bigleaf maple)	1% to 10%		0-5"	Y	
Agrostis sp. (bentgrass)	1% to 10%				
Cytisus scoparius (Scot's broom)	1% to 10%				
Festuca arundinacea (tall fescue)	1% to 10%				
Holodiscus discolor (oceanspray)	1% to 10%				
Lolium perenne (Italian perennial ryegrass)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Tellima grandiflora (fringecup)	1% to 10%				
Cirsium arvense (Canadian Thistle)	trace				
Toxicodendron diversilobum (poison oak)	trace				

Unit FP*283

Size: 6.38 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, Lower 3rd
Slope: Extremely Steep (over 30%)
Aspect: Northeast
Notes:

Visit date: 7/27/2004

Ecological Health: Fair.
% Tree canopy: 80%
% Non-Native Cover: 5
General Note:

Unit sits between 2 powerline strips.
Clothing, sleeping bags, coolers, and other items strewn about the unit from recent homeless camps.

Management Note:

Invasives dominate the edges of unit along St. Helens Rd. and along powerline strips.

Eco Note:

Unit is moderately steep slope running down to St. Helens Rd.
Stream running through unit is a deep channel suggesting the force of water during the winter months.
Total % non-native cover: 5%

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

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	20-30"		
Polystichum munitum (sword fern)	20% to 50%	Y			
Acer circinatum (vine maple)	10% to 20%	Y			
Acer macrophyllum (bigleaf maple)	1% to 10%		10-20"		
Alnus rubra (red alder)	1% to 10%		10-20"		
Thuja plicata (western red cedar)	1% to 10%		10-20"		
Tsuga heterophylla (western hemlock)	1% to 10%		10-20"		
Hedera helix (English ivy)	1% to 10%				
Osmorhiza chilensis (mountain sweet-cicely)	1% to 10%				
Rubus parviflorus (thimbleberry)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Symphoricarpos albus (snowberry)	1% to 10%				
Agrostis sp. (bentgrass)	trace				
Alopecurus pratensis (meadow foxtail)	trace				
Anthoxanthum odoratum (sweet vernalgrass)	trace				
Crataegus douglasii (Douglas' black hawthorn)	trace				
Festuca arundinacea (tall fescue)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				

Lapsana communis (common nipplewort)	trace
Leucanthemum vulgare (oxeye daisy)	trace
Parentucellia viscosa (yellow parentucellia)	trace
Phalaris arundinacea (reed canarygrass)	trace
Rubus discolor (Himalayan blackberry)	trace
Rumex obtusifolius (bitter dock)	trace
Senecio jacobaea (tansy ragwort)	trace
Vicia tetrasperma (lentil vetch)	trace

Unit FP*285

Size: 1.47 Acres
NVCS Class: Woodland
NVCS Subclass: Deciduous woodland
NVCS Group: Cold-deciduous woodland
NVCS SubGroup: Natural / Semi-natural
NVCS Ecological System: CES204.852 North Pacific Oak Woodland
Landform: Side-hill, Lower 3rd
Slope: Gentle (10 to 20%)
Aspect: Northeast
Notes:

Visit date: 7/27/2004

Ecological Health: Good.
% Tree canopy: 60%
% Non-Native Cover: 5
General Note:

Unique QUGA woodland with Viburnum ellipticum understory. Understory is very open.
QUGAs range in size from <5" DBH to about 15" DBH.
Species of interest: QUGA, LICO, SADO, LOCI.

Management Note:

Most weeds are few and controllable at this point except for GERO, which is abundant throughout the unit.

Eco Note:

Many deer trails and 2 deer observed.

Primary Management concerns: Invasives, Informal Trails.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Quercus garryana (Oregon white oak)	20% to 50%	Y	10-20"		
Viburnum ellipticum (oregon viburnum)	20% to 50%	Y			
Pseudotsuga menziesii (Douglas fir)	1% to 10%		20-30"		
Geranium robertianum (herb-Robert)	1% to 10%				
Holodiscus discolor (oceanspray)	1% to 10%				
Polystichum munitum (sword fern)	1% to 10%				
Rubus ursinus (trailing blackberry)	1% to 10%				
Symphoricarpos albus (snowberry)	1% to 10%				
Toxicodendron diversilobum (poison oak)	1% to 10%				
Fraxinus latifolia (Oregon ash)	trace		5-10"		
Amelanchier alnifolia (serviceberry)	trace				
Galium aparine (cleavers)	trace				
Hedera helix (English ivy)	trace				
Hypericum perforatum (common St. John's wort)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Lilium columbianum (tiger-lily)	trace				
Lonicera ciliosa (western orange honeysuckle)	trace				
Satureja douglasii (yerba buena)	trace				

Unit FP*287

Size: 15.21 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: North
Notes:

Visit date: 7/28/2003
Ecological Health: Good.
% Tree canopy: 75%
% Non-Native Cover: not recorded
General Note:
Unit is a steep north facing slope.
Management Note:
HEHE and ILAQ both present in unit in small populations. Removal of these species should be done before they spread and become worse problems.
Eco Note:

Wetland indicators: Hydrophilic Vegetation.
Primary Management concerns: Invasives, Stream Bank Erosion.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Polystichum munitum (sword fern)	50% to 75%	Y			
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"	Y	
Alnus rubra (red alder)	20% to 50%	Y	10-20"	Y	
Acer circinatum (vine maple)	10% to 20%	Y			
Thuja plicata (western red cedar)	10% to 20%		10-20"	Y	
Berberis nervosa (Oregon grape)	10% to 20%				
Rubus spectabilis (salmonberry)	10% to 20%				
Tsuga heterophylla (western hemlock)	1% to 10%		10-20"	Y	
Achlys triphylla (vanillaleaf)	1% to 10%				
Asarum caudatum (wild ginger)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Adiantum pedatum (maidenhair fern)	trace				
Athyrium filix-femina (ladyfern)	trace				
Hedera helix (English ivy)	trace				
Ilex aquafolium (English holly)	trace				

Unit FP*288

Size: 46.62 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, Lower 3rd
Slope: Extremely Steep (over 30%)
Aspect: Northeast

Visit date: 7/29/2003
Ecological Health: Good.
% Tree canopy: 80%

% Non-Native Cover: not recorded

General Note:

Species of interest: MOUN, CEAU & GOOB2. Taped a PSME at 49" DBH.

Management Note:

One clump of ILAQ located in southwest region of unit.

Eco Note:

Met a small amphibian (frog) near creek. Unit is bordered by creeks/ravines on 3 sides with undulating topography. RUSP, TOME, ALRU & ADPE is mainly concentrated in ravines near water.

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

Primary Management concerns: Invasives, Informal Trails.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Polystichum munitum (sword fern)	50% to 75%	Y			
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	20-30"		
Tsuga heterophylla (western hemlock)	20% to 50%	Y	20-30"	Y	
Acer circinatum (vine maple)	10% to 20%	Y			
Rubus spectabilis (salmonberry)	10% to 20%	Y			
Acer macrophyllum (bigleaf maple)	10% to 20%		10-20"	Y	
Thuja plicata (western red cedar)	10% to 20%		10-20"	Y	
Asarum caudatum (wild ginger)	10% to 20%				
Berberis nervosa (Oregon grape)	10% to 20%				
Alnus rubra (red alder)	1% to 10%		5-10"		
Achlys triphylla (vanillaleaf)	1% to 10%				
Adiantum pedatum (maidenhair fern)	1% to 10%				
Anemone deltoidea (three-leaf anemone)	1% to 10%				
Athyrium filix-femina (ladyfern)	1% to 10%				
Galium triflorum (sweet-scented fragrant Bedstra	1% to 10%				
Gaultheria shallon (salal)	1% to 10%				
Geranium robertianum (herb-Robert)	1% to 10%				
Lactuca muralis (wall lettuce)	1% to 10%				
Osmorhiza chilensis (mountain sweet-cicely)	1% to 10%				
Ribes bracteosum (stink currant)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Stachys cooleyae (Cooley's hedgenettle)	1% to 10%				
Tiarella trifoliata (foamflower)	1% to 10%				
Tolmiea menziesii (piggy-back plant)	1% to 10%				
Trientalis latifolia (western broad-leaf starflo	1% to 10%				
Trillium ovatum (trillium)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Viola glabella (stream violet)	1% to 10%				
Abies grandis (grand fir)	trace		20-30"		
Cephalanthera austiniae (phantom orchid)	trace				
Goodyera oblongifolia (western giant Rattlesnake	trace				
Ilex aquafolium (English holly)	trace				
Monotropa uniflora (indianpipe)	trace				
Solanum dulcamara (bittersweet nightshade)	trace				

Unit FP*289

Size: 4.88 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: Southeast

Notes:

Visit date: 7/28/2003

Ecological Health: Good.

% Tree canopy: 85%
% Non-Native Cover: not recorded
General Note:
Unit is above Newberry Rd.
Management Note:
ILAQ is present in unit in small clumps should be removed before it becomes dominate in unit or spreads to other areas.
Eco Note:
Besides ILAQ unit is in good shape and fairly diverse. TSHE core had 115 growth rings and a 24" DBH.
Wetland indicators: Hydrophilic Vegetation.
Primary Management concerns: Invasives, Large Refuse, Yard Debris, Encroachment.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Polystichum munitum (sword fern)	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	
Acer circinatum (vine maple)	10% to 20%	Y			
Thuja plicata (western red cedar)	10% to 20%		10-20"	Y	
Tsuga heterophylla (western hemlock)	10% to 20%		10-20"	Y	
Asarum caudatum (wild ginger)	1% to 10%				
Berberis nervosa (Oregon grape)	1% to 10%				
Disporum hookeri (Hooker's fairybells)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Lactuca muralis (wall lettuce)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Trillium ovatum (trillium)	trace				

Unit FP*290

Size: 7.75 Acres
NVCS Class: Forest
NVCS Subclass: Deciduous forest
NVCS Group: Cold-deciduous forest
NVCS SubGroup: Natural / Semi-natural
NVCS Ecological System: CES204.869 North Pacific Lowland Riparian Forest and Shrubland
Landform: Side-hill, Lower 3rd
Slope: Extremely Steep (over 30%)
Aspect: East
Notes:

Visit date: 7/28/2003

Ecological Health: Good.
% Tree canopy: 70%
% Non-Native Cover: not recorded
General Note:
Unit consists of creek bottom and steep slope directly above it.
Management Note:
There was a trace of RUDI2 in the unit at bottom near creek.
Eco Note:
Unit was in very good shape and healthy.
Wetland indicators: Streams, Hydrophilic Vegetation, Flood Debris, Saturated Soils, Standing Flowing Water.
Primary Management concerns: Invasives, Litter, Utility Infrastructure, Stream Bank Erosion.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	50% to 75%	Y	10-20"	Y	
Rubus spectabilis (salmonberry)	50% to 75%	Y			

Polystichum munitum (sword fern)	20% to 50%	Y		
Thuja plicata (western red cedar)	20% to 50%		10-20"	Y
Tolmiea menziesii (piggy-back plant)	10% to 20%	Y		
Stachys cooleyae (Cooley's hedgenettle)	1% to 10%			
Tsuga heterophylla (western hemlock)	trace		0-5"	Y
Adiantum pedatum (maidenhair fern)	trace			
Athyrium filix-femina (ladyfern)	trace			
Rubus discolor (Himalayan blackberry)	trace			
Tiarella trifoliata (foamflower)	trace			

Unit FP*291

Size: 68.11 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: North
Notes:

Visit date: 7/29/2003

Ecological Health: Good.
% Tree canopy: 80%
% Non-Native Cover: not recorded
General Note:

Unit was large and in good health. The Wildwood trail ran through unit.

Management Note:

Locate and remove spots of ILAQ. It's present as new saplings and not yet well established.

Eco Note:

The unit consists of different draws and ravines with varying degrees of slope.

Wetland indicators: Streams, Hydrophilic Vegetation, Water Marks, Standing Flowing Water.
Primary Management concerns: Invasives, Stream Bank Erosion.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Polystichum munitum (sword fern)	over 75%	Y			
Tsuga heterophylla (western hemlock)	20% to 50%	Y	20-30"	Y	
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"	Y	
Abies grandis (grand fir)	10% to 20%		10-20"		
Thuja plicata (western red cedar)	10% to 20%		10-20"	Y	
Pseudotsuga menziesii (Douglas fir)	1% to 10%		20-30"		
Acer circinatum (vine maple)	1% to 10%				
Achlys triphylla (vanillaleaf)	1% to 10%				
Berberis nervosa (Oregon grape)	1% to 10%				
Galium aparine (cleavers)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Alnus rubra (red alder)	trace		5-10"	Y	
Adiantum pedatum (maidenhair fern)	trace				
Asarum caudatum (wild ginger)	trace				
Geranium robertianum (herb-Robert)	trace				
Ilex aquafolium (English holly)	trace				
Rhamnus purshiana (cascara)	trace				
Tolmiea menziesii (piggy-back plant)	trace				

Unit FP*292

Size: 20.21 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: CES204.001 North Pacific Maritime Dry-Mesic Douglas-fir-Western Hemlock Forest
Landform: Side-hill, Upper 3rd
Slope: Extremely Steep (over 30%)
Aspect: West
Notes:

Visit date: 6/29/2004
Ecological Health: Good.
% Tree canopy: 80%
% Non-Native Cover: trace
General Note:
Unit FP292 is located in the north end of the park. It is in good condition. There was evidence of past fire activity in the unit. Within the unit there were a couple of PREM groves consisting of 5-10 young trees per stand.
Management Note:
The main invasives were in the forb layer and mostly along the road. There was a trace of ILAQ and this should be controlled before it becomes more of a problem.
Eco Note:
This unit was defined by a lack of a high shrub layer with heavy POMU and little other forbs.
Primary Management concerns: Invasives.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Polystichum munitum (sword fern)	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	
Berberis nervosa (Oregon grape)	10% to 20%	Y			
Prunus emarginata (bitter cherry)	10% to 20%		5-10"		
Abies grandis (grand fir)	1% to 10%		0-5"	Y	
Thuja plicata (western red cedar)	1% to 10%		0-5"	Y	
Galium aparine (cleavers)	1% to 10%				
Geranium robertianum (herb-Robert)	1% to 10%				
Lactuca muralis (wall lettuce)	1% to 10%				
Hedera helix (English ivy)	trace				
Ilex aquafolium (English holly)	trace				
Lapsana communis (common nipplewort)	trace				
Philadelphus lewisii (Lewis' mockorange)	trace				
Plantago major (common plantain)	trace				
Rumex obtusifolius (bitter dock)	trace				

Unit FP*294

Size: 17.13 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: 6/24/2004

Ecological Health: Good.

% Tree canopy: 80%

General Note:

Area below Firelane 12 split off into new unit.

Management Note:

Eco Note:

Weeds restricted mainly to Firelane 12.

Interior of unit contained GERO and LAMU.

Wetland indicators: Streams.

Primary Management concerns: Invasives.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	20-30"		
Polystichum munitum (sword fern)	20% to 50%	Y			
Abies grandis (grand fir)	20% to 50%		20-30"		
Acer macrophyllum (bigleaf maple)	20% to 50%		10-20"	Y	
Tsuga heterophylla (western hemlock)	1% to 10%		0-5"	Y	
Achlys triphylla (vanillaleaf)	1% to 10%				
Berberis nervosa (Oregon grape)	1% to 10%				
Corylus cornuta (western beaked hazelnut)	1% to 10%				
Geranium robertianum (herb-Robert)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Lactuca muralis (wall lettuce)	1% to 10%				
Symphoricarpos albus (snowberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Crataegus monogyna (European hawthorn)	trace				
Galium aparine (cleavers)	trace				
Ilex aquafolium (English holly)	trace				
Lapsana communis (common nipplewort)	trace				
Plantago major (common plantain)	trace				
Rumex obtusifolius (bitter dock)	trace				

Unit FP*295

Size: 21.51 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: East

Notes:

Visit date: 8/26/2004

Ecological Health: Healthy.

% Tree canopy: 70%

% Non-Native Cover: trace

General Note:

Unit is located south of Newberry Road in the northern most part of Forest Park. Unit has been logged some time ago as evidenced by several large stumps with spring board notches. Species of Interest: TABR2, LOCI3.

Management Note:

GERO and LAMU are the only invasives present in the unit. Their percent cover together makes up less than 1% in the unit.

Eco Note:

Unit is a steep east facing slope bordered on the bottom by a perennial stream (Miller Creek). This unit received the highest ecological rating due to its isolated location from roads or trails giving it shelter from road/industry noise as well as human/dog traffic or disturbance, minimal invasive cover, well developed stand structure, good diversity in forb and tree layers, presence of large downed wood creating nurse logs, and proximity to a substantial perennial stream. Total non-native cover: 1%.

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

Primary Management concerns: Invasives.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Polystichum munitum (sword fern)	50% to 75%	Y			
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"		
Acer circinatum (vine maple)	20% to 50%	Y			
Pseudotsuga menziesii (Douglas fir)	10% to 20%		10-20"		
Tsuga heterophylla (western hemlock)	10% to 20%		10-20"	Y	
Rubus spectabilis (salmonberry)	10% to 20%				
Abies grandis (grand fir)	1% to 10%		10-20"	Y	
Alnus rubra (red alder)	1% to 10%		10-20"		
Athyrium filix-femina (ladyfern)	1% to 10%				
Berberis nervosa (Oregon grape)	1% to 10%				
Tiarella trifoliata (foamflower)	1% to 10%				
Trientalis latifolia (western broad-leaf starflo	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Taxus brevifolia (Pacific yew)	trace		20-30"		
Adiantum pedatum (maidenhair fern)	trace				
Anemone deltoidea (three-leaf anemone)	trace				
Geranium robertianum (herb-Robert)	trace				
Lactuca muralis (wall lettuce)	trace				
Lonicera ciliosa (western orange honeysuckle)	trace				
Toxicodendron diversilobum (poison oak)	trace				

Unit FP*296

Size: 8.77 Acres

NVCS Class: Forest

NVCS Subclass: Deciduous forest

NVCS Group: Cold-deciduous forest

NVCS SubGroup: Natural / Semi-natural

NVCS Ecological System: CES204.869 North Pacific Lowland Riparian Forest and Shrubland

Landform: Canyon bottom < 600'

Slope: Gentle (5 to 10%)

Aspect: Northeast

Notes:

Visit date: 9/23/2003

Ecological Health: Good.

% Tree canopy: 75%

% Non-Native Cover: not recorded

General Note:

This unit runs along a creek at the bottom of the drainage to the west of Firelane 12.

Management Note:

Unit 296 was in very good shape but there was one ILAQ bush at the creeks edge that needed to be removed.

Eco Note:

The creek was in good health and had flowing water in it. Structural and species diversity was high.

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

Primary Management concerns: Invasives.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Alnus rubra (red alder)	50% to 75%	Y	10-20"		
Rubus spectabilis (salmonberry)	50% to 75%	Y			
Acer macrophyllum (bigleaf maple)	10% to 20%		10-20"	Y	
Acer circinatum (vine maple)	10% to 20%				
Tolmiea menziesii (piggy-back plant)	10% to 20%				
Thuja plicata (western red cedar)	1% to 10%		5-10"	Y	
Actaea rubra (red baneberry)	1% to 10%				
Adiantum pedatum (maidenhair fern)	1% to 10%				
Athyrium filix-femina (ladyfern)	1% to 10%				
Corylus cornuta (western beaked hazelnut)	1% to 10%				
Euonymus occidentalis (western wahoo)	1% to 10%				
Oemleria cerasiformis (Indian-plum)	1% to 10%				
Oenanthe sarmentosa (Pacific water-parsely)	1% to 10%				
Polystichum munitum (sword fern)	1% to 10%				
Ribes bracteosum (stink currant)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Stachys cooleyae (Cooley's hedgenettle)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Carex hendersonii (Henderson's wood sedge)	trace				
Ilex aquafolium (English holly)	trace				
Polypodium glycyrrhiza (licorice fern)	trace				
Tiarella trifoliata (foamflower)	trace				

Unit FP*297

Size: 2.85 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, Middle 3rd

Slope: Extremely Steep (over 30%)

Aspect: Northwest

Notes:

Visit date: 6/24/2004

Ecological Health: Good.

% Tree canopy: 75%

% Non-Native Cover: 5

General Note:

Management Note:

Eco Note:

One TABR was located. Few wahoo plants were identified. GERO and LAMU are scattered throughout unit. HEHE is found near road. 1 ILAQ near creek.

Wetland indicators: Streams, Surface Water, Saturated Soils, Standing Flowing Water.

Primary Management concerns: Invasives, Large Refuse.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Polystichum munitum (sword fern)	50% to 75%	Y			
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	10-20"		
Acer macrophyllum (bigleaf maple)	20% to 50%		10-20"	Y	
Tsuga heterophylla (western hemlock)	10% to 20%		20-30"	Y	
Alnus rubra (red alder)	1% to 10%		5-10"		

Thuja plicata (western red cedar)	1% to 10%	5-10"	Y
Acer circinatum (vine maple)	1% to 10%		
Achlys triphylla (vanillaleaf)	1% to 10%		
Geranium robertianum (herb-Robert)	1% to 10%		
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%		
Oemleria cerasiformis (Indian-plum)	1% to 10%		
Vancouveria hexandra (white inside-out-flower)	1% to 10%		
Taxus brevifolia (Pacific yew)	trace	0-5"	
Euonymus occidentalis (western wahoo)	trace		
Galium aparine (cleavers)	trace		
Hedera helix (English ivy)	trace		
Ilex aquafolium (English holly)	trace		
Lactuca muralis (wall lettuce)	trace		

Unit FP*298

Size: 5.63 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: Northwest
Notes:

Visit date: 9/24/2003

Ecological Health: Good.
% Tree canopy: 80%
% Non-Native Cover: not recorded
General Note:

Neighborhood use via fire lane.

Management Note:

Remove small clump of ILAQ in center of unit on East side of the unit and road.

Eco Note:

Unit is a steep sidehill draining into a large north-south ravine. Deciduous forest dominated by ACMA. The plant and structural diversity is very good.

Primary Management concerns: Invasives, Domestic Animals.
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			
Geranium robertianum (herb-Robert)	10% to 20%	Y			
Oemleria cerasiformis (Indian-plum)	10% to 20%	Y			
Alnus rubra (red alder)	10% to 20%		10-20"		
Berberis nervosa (Oregon grape)	10% to 20%				
Abies grandis (grand fir)	1% to 10%		5-10"	Y	
Thuja plicata (western red cedar)	1% to 10%		5-10"	Y	
Acer circinatum (vine maple)	1% to 10%				
Achlys triphylla (vanillaleaf)	1% to 10%				
Adiantum pedatum (maidenhair fern)	1% to 10%				
Disporum hookeri (Hooker's fairybells)	1% to 10%				
Osmorhiza chilensis (mountain sweet-cicely)	1% to 10%				
Rhamnus purshiana (cascara)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Pseudotsuga menziesii (Douglas fir)	trace		10-20"		
Tsuga heterophylla (western hemlock)	trace		0-5"	Y	
Asarum caudatum (wild ginger)	trace				
Carex deweyana (Dewey sedge)	trace				
Hedera helix (English ivy)	trace				
Ilex aquafolium (English holly)	trace				
Smilacina stellata (starry false-Solomon's seal)	trace				
Streptopus amplexifolius (clasping-leaf twisted-	trace				
Tolmiea menziesii (piggy-back plant)	trace				

Unit FP*299

Size: 6.63 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: CES204.001 North Pacific Maritime Dry-Mesic Douglas-fir-Western Hemlock Forest
Landform: Side-hill, Middle 3rd
Slope: Extremely Steep (over 30%)
Aspect: Northeast
Notes:

Visit date: 7/12/2004

Ecological Health: Fair.
% Tree canopy: 85%
% Non-Native Cover: 5
General Note:

Firelane 13 runs through unit and Firelane 13a breaks off in middle of unit. Species of interest GOOB2.

Management Note:

Manage powerline road for invasives.

Eco Note:

Young stand with a good mix of trees. ACMA dominant with several conifers making it a mixed forest. No high shrub layer with very few forbs.

Wetland indicators: Hydrophilic Vegetation.
Primary Management concerns: Invasives.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Berberis nervosa (Oregon grape)	50% to 75%	Y			
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"	Y	
Polystichum munitum (sword fern)	20% to 50%	Y			
Abies grandis (grand fir)	10% to 20%		10-20"	Y	
Pseudotsuga menziesii (Douglas fir)	1% to 10%		10-20"		
Geranium robertianum (herb-Robert)	1% to 10%				
Sorbus aucuparia (European mountain ash)	trace		0-5"		
Galium aparine (cleavers)	trace				
Goodyera oblongifolia (western giant Rattlesnake	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Philadelphus lewisii (Lewis' mockorange)	trace				

Unit FP*300

Size: 50.02 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: CES204.001 North Pacific Maritime Dry-Mesic Douglas-fir-Western Hemlock Forest
Landform: Side-hill, Middle 3rd
Slope: Extremely Steep (over 30%)

Aspect: Northeast
Notes:

Visit date: 7/12/2004

Ecological Health: Fair.
% Tree canopy: 80%
% Non-Native Cover: 5
General Note:

Unit is a complex of ravines and ridges trending northeast. Firelane 13 runs through southwest edge and the powerline borders northeast edge.

Management Note:

Invasives dominate firelane and edges bordering powerline.

Eco Note:

Deciduous canopy is more prevalent in southern portion--but the plant communities are the same throughout.

Species of Interest: MOUN3

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

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Polystichum munitum (sword fern)	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	
Berberis nervosa (Oregon grape)	20% to 50%	Y			
Abies grandis (grand fir)	10% to 20%		5-10"	Y	
Thuja plicata (western red cedar)	1% to 10%		5-10"	Y	
Achlys triphylla (vanillaleaf)	1% to 10%				
Geranium robertianum (herb-Robert)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Alliaria petiolata (garlic mustard)	trace				
Galium aparine (cleavers)	trace				
Galium triflorum (sweet-scented fragrant Bedstra	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Monotropa uniflora (indianpipe)	trace				
Rumex obtusifolius (bitter dock)	trace				
Taraxacum officinale (common dandelion)	trace				

Unit FP*302

Size: 9.48 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, Lower 3rd
Slope: Extremely Steep (over 30%)
Aspect: Northeast
Notes:

Visit date: 6/28/2004

Ecological Health: Fair.
% Tree canopy: 80%
% Non-Native Cover: 15
General Note:

Interior of unit is high quality, but unit is bordered on two sides by weedy, brushy BPA corridors, which contribute to high levels of weedy on the edges.

Rare plants/species of interest are Cornus nuttallii, Prunus emarginata, and Taxus brevifolia.

Management Note:

Eco Note:

RUSP abundant in drainages, uncommon on slopes.

Wetland indicators: Streams.

Primary Management concerns: Invasives, Litter, Large Refuse.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Pseudotsuga menziesii (Douglas fir)	50% to 75%	Y	20-30"		
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"	Y	
Polystichum munitum (sword fern)	10% to 20%	Y			
Acer circinatum (vine maple)	1% to 10%	Y			
Tsuga heterophylla (western hemlock)	1% to 10%		10-20"		
Abies grandis (grand fir)	1% to 10%		5-10"	Y	
Achlys triphylla (vanillaleaf)	1% to 10%				
Corylus avellana (common filbert)	1% to 10%				
Geranium robertianum (herb-Robert)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Rubus ursinus (trailing blackberry)	1% to 10%				
Symphoricarpos albus (snowberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Taxus brevifolia (Pacific yew)	trace		5-10"		
Cornus nuttallii (Pacific dogwood)	trace		0-5"		
Prunus emarginata (bitter cherry)	trace		0-5"		
Galium aparine (cleavers)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Lonicera ciliosa (western orange honeysuckle)	trace				

Unit FP*303

Size: 12.35 Acres

NVCS Class: Forest

NVCS Subclass: Evergreen forest

NVCS Group: Temperate needle-leaved evergreen forest

NVCS SubGroup: Natural / Semi-natural

NVCS Ecological System: CES204.845 North Pacific Dry Douglas-fir Forest and Woodland

Landform: Side-hill, Lower 3rd

Slope: Gentle (10 to 20%)

Aspect: Northeast

Notes:

Visit date: 7/27/2004

Ecological Health: Fair.

% Tree canopy: 80%

% Non-Native Cover: 5

General Note:

Unit is adjacent to St. Helens Road just south of Harborton Rd.

Species of interest: LOCI

Management Note:

HEHE and TODI growing in the tops of trees.

RUDI and HEHE especially prevalent along unit edge above St. Helens.

Eco Note:

Unit is a bluff overlooking St. Helens Rd. An old building foundation sits in the north part of the unit. Graffiti and some nice artwork on the walls. Unit is dominated by PSME with a diverse shrub layer.

Wetland indicators: Streams.

Primary Management concerns: Invasives, Litter, Homeless Camp, Informal Trails.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Pseudotsuga menziesii (Douglas fir)	50% to 75%	Y	10-20"		
Polystichum munitum (sword fern)	20% to 50%	Y			
Acer macrophyllum (bigleaf maple)	1% to 10%		5-10"	Y	
Acer circinatum (vine maple)	1% to 10%				
Hedera helix (English ivy)	1% to 10%				
Osmorhiza chilensis (mountain sweet-cicely)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Rubus ursinus (trailing blackberry)	1% to 10%				
Symphoricarpos albus (snowberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Cirsium vulgare (bull thistle)	trace				
Galium aparine (cleavers)	trace				
Geranium robertianum (herb-Robert)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Lonicera ciliosa (western orange honeysuckle)	trace				

Unit FP*304

Size: 7.01 Acres

NVCS Class: Forest

NVCS Subclass: Evergreen forest

NVCS Group: Temperate needle-leaved evergreen forest

NVCS SubGroup: Natural / Semi-natural

NVCS Ecological System: CES204.845 North Pacific Dry Douglas-fir Forest and Woodland

Landform: Side-hill, Lower 3rd

Slope: Extremely Steep (over 30%)

Aspect: Northeast

Notes:

Visit date: 6/28/2004

Ecological Health: Good.

% Tree canopy: 70%

% Non-Native Cover: 5

General Note:

This unit is a NE facing slope at the end of Creston Rd. Firelane 12 made up its northwest boundary.

Management Note:

Most of the invasives in this unit were associated with the road and firelane. Noise was the other major impact to this unit. Management plan should address these issues.

Eco Note:

There is a 15 plant population of Corallorrhiza maculata in a small patch on an east-facing slope. Some good structure with little shrub canopy. No water in creeks.

Wetland indicators: Springs, Saturated Soils.

Primary Management concerns: Invasives, Informal Trails.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Pseudotsuga menziesii (Douglas fir)	50% to 75%	Y	20-30"		
Polystichum munitum (sword fern)	20% to 50%	Y			
Acer circinatum (vine maple)	10% to 20%	Y			
Gaultheria shallon (salal)	10% to 20%	Y			
Acer macrophyllum (bigleaf maple)	1% to 10%		0-5"	Y	
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%				
Lactuca muralis (wall lettuce)	1% to 10%				
Rubus ursinus (trailing blackberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Aesculus hippocastanum (horsechestnut)	trace		0-5"		
Cornus nuttallii (Pacific dogwood)	trace		0-5"		

Thuja plicata (western red cedar)	trace	0-5"	Y
Corallorhiza maculata (Pacific Coral-root)	trace		
Hedera helix (English ivy)	trace		
Monotropa uniflora (indianpipe)	trace		
Vaccinium parvifolum (red huckleberry)	trace		

Unit FP*305

Size: 7.03 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: 6/28/2004
Ecological Health: Fair.
% Tree canopy: 75%
General Note:
Species of interest is Monotropa uniflora.
Management Note:
Weeds on edges and in interior of unit.
Eco Note:

Primary Management concerns: Invasives.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Pseudotsuga menziesii (Douglas fir)	50% to 75%	Y	20-30"		
Polystichum munitum (sword fern)	50% to 75%	Y			
Acer macrophyllum (bigleaf maple)	10% to 20%		10-20"	Y	
Acer circinatum (vine maple)	1% to 10%	Y			
Vaccinium parvifolum (red huckleberry)	1% to 10%	Y			
Alnus rubra (red alder)	1% to 10%		10-20"		
Galium aparine (cleavers)	1% to 10%				
Gaultheria shallon (salal)	1% to 10%				
Geranium robertianum (herb-Robert)	1% to 10%				
Hedera helix (English ivy)	1% to 10%				
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Lactuca muralis (wall lettuce)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Trientalis latifolia (western broad-leaf starflo	1% to 10%				
Tsuga heterophylla (western hemlock)	trace		5-10"	Y	
Abies grandis (grand fir)	trace		0-5"	Y	
Convolvulus arvensis (morning glory)	trace				
Lapsana communis (common nipplewort)	trace				
Monotropa uniflora (indianpipe)	trace				
Prunus laurocerasus (English laurel)	trace				
Ranunculus repens (creeping buttercup)	trace				
Rubus discolor (Himalayan blackberry)	trace				
Rumex obtusifolius (bitter dock)	trace				
Salix scouleriana (Scouler's willow)	trace				
Vicia sativa (common vetch)	trace				
Viola glabella (stream violet)	trace				

Unit FP*306

Size: 5.67 Acres

NVCS Class: Forest
NVCS Subclass: Evergreen forest
NVCS Group: Temperate needle-leaved evergreen forest
NVCS SubGroup: Natural / Semi-natural
NVCS Ecological System: CES204.845 North Pacific Dry Douglas-fir Forest and Woodland
Landform: Side-hill, Lower 3rd
Slope: Extremely Steep (over 30%)
Aspect: North
Notes:

Visit date: 6/28/2004

Ecological Health: Fair.
% Tree canopy: 85%
% Non-Native Cover: 25
General Note:

Bordered by Firelane 12 and neighborhood off Harborton Road.

Management Note:

Control invasives associated with road and firelane at bottom of unit and with BPA corridor at top of unit.

Eco Note:

Some blow-down in unit. Adjacent BPA corridor is affecting unit, causing drying at unit edges. Poison-oak common in unit.

Large grove of Prunus avium at top of unit consists of 10 to 20 individuals. Major informal trail along ridgeline running through center of unit.

Primary Management concerns: Invasives, Informal Trails.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Pseudotsuga menziesii (Douglas fir)	over 75%	Y	20-30"		
Polystichum munitum (sword fern)	10% to 20%	Y			
Acer circinatum (vine maple)	1% to 10%	Y			
Gaultheria shallon (salal)	1% to 10%	Y			
Holodiscus discolor (oceanspray)	1% to 10%	Y			
Acer macrophyllum (bigleaf maple)	1% to 10%		5-10"	Y	
Prunus avium (sweet pie cherry)	1% to 10%		5-10"		
Achlys triphylla (vanillaleaf)	1% to 10%				
Corylus cornuta (western beaked hazelnut)	1% to 10%				
Galium aparine (cleavers)	1% to 10%				
Galium triflorum (sweet-scented fragrant Bedstra	1% to 10%				
Geranium robertianum (herb-Robert)	1% to 10%				
Moehringia macrophylla (big-leaf Sandwort)	1% to 10%				
Monotropa uniflora (indianpipe)	1% to 10%				
Osmorhiza chilensis (mountain sweet-cicely)	1% to 10%				
Rosa gymnocarpa (dwarf wood rose)	1% to 10%				
Smilacina racemosa (false Solomon's-seal)	1% to 10%				
Toxicodendron diversilobum (poison oak)	1% to 10%				
Trientalis latifolia (western broad-leaf starflo	1% to 10%				
Aruncus dioicus (Goat's beard)	trace				
Hedera helix (English ivy)	trace				
Ilex aquafolium (English holly)	trace				
Lapsana communis (common nipplewort)	trace				
Plantago major (common plantain)	trace				

Unit FP*307

Size: 7.84 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: Northwest
Notes:

Visit date: 6/24/2004

Ecological Health: Good.
% Tree canopy: 65%
% Non-Native Cover: trace
General Note:

This unit contains a flat ridge that extends down to the creek. Large alder dominate this upper ridge.

Management Note:

Wetland indicators: Streams, Hydrophilic Vegetation, Surface Water, Saturated Soils, Standing Flowing Water.
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)	50% to 75%	Y			
Oemleria cerasiformis (Indian-plum)	20% to 50%	Y			
Rubus spectabilis (salmonberry)	20% to 50%	Y			
Alnus rubra (red alder)	20% to 50%		10-20"		
Hydrophyllum tenuipes (Pacific waterleaf)	20% to 50%				
Thuja plicata (western red cedar)	1% to 10%		5-10"	Y	
Tsuga heterophylla (western hemlock)	1% to 10%		5-10"		
Abies grandis (grand fir)	1% to 10%		0-5"	Y	
Acer circinatum (vine maple)	1% to 10%				
Berberis aquifolium (tall Oregon-grape)	1% to 10%				
Rubus parviflorus (thimbleberry)	1% to 10%				
Geranium robertianum (herb-Robert)	trace				
Geum urbanum (herb bennet)	trace				
Hedera helix (English ivy)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Rumex obtusifolius (bitter dock)	trace				

Unit FP*308

Size: 2.73 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, Lower 3rd
Slope: Extremely Steep (over 30%)
Aspect: Northwest
Notes:

Visit date: 6/24/2004

Ecological Health: Good.
% Tree canopy: 65%
% Non-Native Cover: 10
General Note:

Unit is near residences and weedier than surrounding units.

Management Note:

Large refuse including dishwasher and Volkswagen Beetle hood.

Eco Note:

Species of interest: MOUN, CONU.

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

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

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	>30"	Y	
Oemleria cerasiformis (Indian-plum)	20% to 50%	Y			
Polystichum munitum (sword fern)	20% to 50%	Y			
Acer macrophyllum (bigleaf maple)	20% to 50%		10-20"	Y	
Tsuga heterophylla (western hemlock)	1% to 10%		10-20"	Y	
Alnus rubra (red alder)	1% to 10%		5-10"		
Thuja plicata (western red cedar)	1% to 10%		0-5"	Y	
Acer circinatum (vine maple)	1% to 10%				
Achlys triphylla (vanillaleaf)	1% to 10%				
Hedera helix (English ivy)	1% to 10%				
Rubus parviflorus (thimbleberry)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Vancouveria hexandra (white inside-out-flower)	1% to 10%				
Cornus nuttallii (Pacific dogwood)	trace		0-5"		
Prunus avium (sweet pie cherry)	trace		0-5"		
Geranium robertianum (herb-Robert)	trace				
Ilex aquafolium (English holly)	trace				
Lactuca muralis (wall lettuce)	trace				
Lapsana communis (common nipplewort)	trace				
Monotropa uniflora (indianpipe)	trace				
Ranunculus repens (creeping buttercup)	trace				

Unit FP*309

Size: 28.62 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: CES204.001 North Pacific Maritime Dry-Mesic Douglas-fir-Western Hemlock Forest

Landform: Side-hill, Lower 3rd

Slope: Extremely Steep (over 30%)

Aspect: Northeast

Notes:

Visit date: 7/28/2004

Ecological Health: Fair.

% Tree canopy: 80%

% Non-Native Cover: 10

General Note:

Steep mixed unit sloping down to NW 2nd CT. Hydrophilic vegetation--Stachys cooleyae. Utility--water tower. Species of Interest: PREM. Landscaped near water tower (PICO, juniper).

Management Note:

Weeds mostly along road and path.

Wetland indicators: Streams, Hydrophilic Vegetation.

Primary Management concerns: Invasives, Utility Infrastructure, Hardscape Infrastructure.

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"	Y	
Polystichum munitum (sword fern)	20% to 50%	Y			
Berberis nervosa (Oregon grape)	10% to 20%	Y			
Acer circinatum (vine maple)	10% to 20%				
Gaultheria shallon (salal)	1% to 10%				

Hedera helix (English ivy)	1% to 10%	
Symphoricarpos albus (snowberry)	1% to 10%	
Toxicodendron diversilobum (poison oak)	1% to 10%	
Prunus emarginata (bitter cherry)	trace	5-10"
Prunus avium (sweet pie cherry)	trace	0-5"
Agrostis sp. (bentgrass)	trace	
Cirsium arvense (Canadian Thistle)	trace	
Daucus carota (Queen Anne's lace)	trace	
Galium aparine (cleavers)	trace	
Geranium robertianum (herb-Robert)	trace	
Holcus lanatus (velvet grass)	trace	
Hypericum perforatum (common St. John's wort)	trace	
Hypochaeris radicata (hairy cats-ear)	trace	
Ilex aquafolium (English holly)	trace	
Lactuca muralis (wall lettuce)	trace	
Plantago lanceolata (English narrowleaf buckhorn	trace	
Rubus discolor (Himalayan blackberry)	trace	
Senecio jacobaea (tansy ragwort)	trace	
Vancouveria hexandra (white inside-out-flower)	trace	

Unit FP*310

Size: 1.03 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: unknown
Slope: unknown
Aspect: unknown
Notes: This unit is a parking lot.

Unit FP*311

Size: 1.23 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: unknown
Slope: unknown
Aspect: unknown
Notes: This unit is a grassy empty lot.

Unit FP*312

Size: 14.2 Acres
NVCS Class: Sparse vegetation
NVCS Subclass: Boulder, gravel, cobble, or talus sparse vegetation
NVCS Group: Sparsely vegetated rock flats (boulders, cobble or gravel)
NVCS SubGroup: Cultural
NVCS Ecological System: unknown
Landform: unknown
Slope: unknown
Aspect: unknown
Notes: This unit is Leif Erickson Drive. Invasives along the margins of Leif Erickson were included in the bounding vegetation unit survey.

Unit FP*313

Size: 77.51 Acres
NVCS Class: Sparse vegetation
NVCS Subclass: Boulder, gravel, cobble, or talus sparse vegetation
NVCS Group: Sparsely vegetated rock flats (boulders, cobble or gravel)
NVCS SubGroup: Cultural
NVCS Ecological System: unknown
Landform: unknown
Slope: unknown
Aspect: unknown
Notes: This unit is the right of way for Leif Erickson Rd. Weeds along the road margin are included in whichever vegetation unit borders the road.

Unit FP*314

Size: 15.36 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: Steep (20 to 30%)
Aspect: Southeast

Visit date: 7/29/2003
Ecological Health: Healthy.
% Tree canopy: 80%
% Non-Native Cover: not recorded
Wetland indicators: Streams, Hydrophilic Vegetation.
Primary Management concerns: Stream Bank Erosion.
Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"		
Acer circinatum (vine maple)	20% to 50%	Y			
Polystichum munitum (sword fern)	20% to 50%	Y			
Berberis nervosa (Oregon grape)	20% to 50%				
Alnus rubra (red alder)	10% to 20%	Y	10-20"		
Tsuga heterophylla (western hemlock)	10% to 20%		10-20"	Y	
Rubus spectabilis (salmonberry)	10% to 20%				
Tolmiea menziesii (piggy-back plant)	10% to 20%				
Pseudotsuga menziesii (Douglas fir)	1% to 10%		20-30"		
Thuja plicata (western red cedar)	1% to 10%		5-10"	Y	
Disporum hookeri (Hooker's fairybells)	1% to 10%				
Maianthemum dilatatum (false lily-of-the-valley)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Vaccinium parvifolum (red huckleberry)	1% to 10%				
Adiantum pedatum (maidenhair fern)	trace				
Athyrium filix-femina (ladyfern)	trace				
Lactuca muralis (wall lettuce)	trace				
Rubus ursinus (trailing blackberry)	trace				
Trillium ovatum (trillium)	trace				

Unit FP*315

Size: 8.92 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, Middle 3rd

Slope: Extremely Steep (over 30%)

Aspect: Northwest

Visit date: 6/24/2004

Ecological Health: Good.

% Tree canopy: 80%

% Non-Native Cover: trace

General Note:

Unit is located downslope of Firelane 12.

Management Note:

Weeds primarily located along road. GERO is found within unit.

Eco Note:

Invasives are located primarily on Firelane 12 along top of unit.

Wetland indicators: Streams.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	20-30"		
Acer circinatum (vine maple)	20% to 50%	Y			
Berberis nervosa (Oregon grape)	20% to 50%	Y			
Polystichum munitum (sword fern)	20% to 50%	Y			
Acer macrophyllum (bigleaf maple)	20% to 50%		10-20"	Y	
Hydrophyllum tenuipes (Pacific waterleaf)	1% to 10%	Y			
Abies grandis (grand fir)	1% to 10%		10-20"	Y	
Tsuga heterophylla (western hemlock)	1% to 10%		10-20"	Y	
Alnus rubra (red alder)	1% to 10%		5-10"		
Oemleria cerasiformis (Indian-plum)	1% to 10%				
Thuja plicata (western red cedar)	trace		0-5"	Y	
Galium aparine (cleavers)	trace				
Geranium robertianum (herb-Robert)	trace				
Geum urbanum (herb bennet)	trace				
Ilex aquafolium (English holly)	trace				
Lapsana communis (common nipplewort)	trace				
Plantago major (common plantain)	trace				
Rumex obtusifolius (bitter dock)	trace				