



Vegetation Unit Summaries for **SW Terwilliger Blvd Parkway (TERW)**

Report date: 7/29/2009

'*' = non-native invasive species

Visit data as of: 7/29/2009

Unit TERW*002

Size: 1.76 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: Steep (20 to 30%)

Aspect: Northeast

Visit date: 9/15/2003

Ecological Health: Severely Degraded.

% Tree canopy: 65%

% Non-Native Cover: not recorded

Eco Note:

Unit is well invaded and impacted by Barbur Blvd at lower end of unit. Evidence of transient populations coming through.

Wetland indicators: Saturated Soils.

Primary Management concerns: Invasives, Litter, Large Refuse, 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)	50% to 75%	Y			
Oemleria cerasiformis (Indian-plum)	20% to 50%	Y			
Corylus cornuta (western beaked hazelnut)	10% to 20%				
Rubus discolor (Himalayan blackberry)	10% to 20%				
Rubus parviflorus (thimbleberry)	10% to 20%				
Rubus ursinus (trailing blackberry)	10% to 20%				
Robinia pseudo-acacia (black locust)	1% to 10%		10-20"		
Thuja plicata (western red cedar)	1% to 10%		5-10"	Y	
Acer circinatum (vine maple)	1% to 10%				
Clematis vitalba (clematis)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Polystichum munitum (sword fern)	1% to 10%				
Prunus laurocerasus (English laurel)	1% to 10%				
Symphoricarpos albus (snowberry)	1% to 10%				
Rhamnus purshiana (cascara)	trace				
Solanum dulcamara (bittersweet nightshade)	trace				
Vaccinium parvifolium (red huckleberry)	trace				

Unit TERW*004

Size: 4.28 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: 9/11/2003

Ecological Health: Poor.

% Tree canopy: 65%

% Non-Native Cover: not recorded

General Note:

Management Note:

Ivy dominates forest floor--looks like some ivy has been removed.

Eco Note:

Steep east facing ridge flanked on both sides by seasonal streams.

Wetland indicators: Hydrophilic Vegetation, Saturated Soils.

Primary Management concerns: Invasives, Soil Compaction, Litter, Large Refuse, Homeless Camp.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
<i>Acer macrophyllum</i> (bigleaf maple)	50% to 75%	Y	10-20"	Y	
<i>Hedera helix</i> (English ivy)	50% to 75%	Y			
<i>Oemleria cerasiformis</i> (Indian-plum)	20% to 50%	Y			
<i>Polystichum munitum</i> (sword fern)	20% to 50%				
<i>Pseudotsuga menziesii</i> (Douglas fir)	10% to 20%		20-30"		
<i>Alnus rubra</i> (red alder)	10% to 20%		5-10"	Y	
<i>Berberis nervosa</i> (Oregon grape)	10% to 20%				
<i>Corylus cornuta</i> (western beaked hazelnut)	10% to 20%				
<i>Symphoricarpos albus</i> (snowberry)	10% to 20%				
<i>Fraxinus latifolia</i> (Oregon ash)	1% to 10%		10-20"		
<i>Thuja plicata</i> (western red cedar)	1% to 10%		0-5"	Y	
<i>Acer circinatum</i> (vine maple)	1% to 10%				
<i>Ilex aquafolium</i> (English holly)	1% to 10%				
<i>Prunus laurocerasus</i> (English laurel)	1% to 10%				
<i>Rubus discolor</i> (Himalayan blackberry)	1% to 10%				
<i>Tolmiea menziesii</i> (piggy-back plant)	1% to 10%				
<i>Clematis vitalba</i> (clematis)	trace				
<i>Crataegus monogyna</i> (European hawthorn)	trace				
<i>Vancouveria hexandra</i> (white inside-out-flower)	trace				

Unit TERW*005

Size: 5.28 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: CES204.845 North Pacific Dry Douglas-fir Forest and Woodland

Landform: Side-hill, Middle 3rd

Slope: Extremely Steep (over 30%)

Aspect: East

Notes:

Visit date: 9/10/2003

Ecological Health: Poor.

% Tree canopy: 75%

% Non-Native Cover: not recorded

General Note:

TABR2 present in unit.

Management Note:

RUDI2 is heavy in the southern drainage just east of a trail and Terwilliger blvd. Active homeless camp just off the ridge to the south closer to Barbur blvd.

Eco Note:

Unit is a ridge descending to the east with drainages on either side. Lots of litter and road noise associated with the road. Trickling water in the creek bottom.

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

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

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Hedera helix (English ivy)	50% to 75%	Y			
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	20-30"		
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"	Y	
Corylus cornuta (western beaked hazelnut)	20% to 50%	Y			
Oemleria cerasiformis (Indian-plum)	20% to 50%	Y			
Thuja plicata (western red cedar)	10% to 20%		10-20"	Y	
Clematis vitalba (clematis)	10% to 20%				
Abies grandis (grand fir)	1% to 10%		20-30"	Y	
Alnus rubra (red alder)	1% to 10%		10-20"		
Populus balsamifera ssp. trichocarpa (black cott	1% to 10%		5-10"		
Berberis nervosa (Oregon grape)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Polystichum munitum (sword fern)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Symphoricarpos albus (snowberry)	1% to 10%				
Tolmiea menziesii (piggy-back plant)	1% to 10%				
Vaccinium parvifolium (red huckleberry)	1% to 10%				
Taxus brevifolia (Pacific yew)	trace		5-10"		
Achlys triphylla (vanillaleaf)	trace				
Cornus sericea ssp. sericea (red-osier dogwood)	trace				
Crataegus monogyna (European hawthorn)	trace				
Epipactis gigantea (stream orchid)	trace				
Hydrophyllum tenuipes (Pacific waterleaf)	trace				
Lonicera ciliosa (western orange honeysuckle)	trace				
Toxicodendron diversilobum (poison oak)	trace				
Trillium ovatum (trillium)	trace				
Vancouveria hexandra (white inside-out-flower)	trace				

Unit TERW*006

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, Middle 3rd

Slope: Extremely Steep (over 30%)

Aspect: East

Notes:

Visit date: 9/10/2003

Ecological Health: Severely Degraded.

% Tree canopy: 70%

% Non-Native Cover: not recorded

General Note:

Management Note:

Eco Note:

Unit is a steep side-hill down to the stream drainage. Sparse upper shrub layer for most of unit and a dense dominant ivy layer (including up in to the trees).

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
Hedera helix (English ivy)	50% to 75%	Y			
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	20-30"	Y	
Oemleria cerasiformis (Indian-plum)	10% to 20%	Y			
Polystichum munitum (sword fern)	10% to 20%				
Pseudotsuga menziesii (Douglas fir)	1% to 10%		20-30"		
Abies grandis (grand fir)	1% to 10%		10-20"		
Thuja plicata (western red cedar)	1% to 10%		10-20"	Y	
Berberis nervosa (Oregon grape)	1% to 10%				
Clematis vitalba (clematis)	1% to 10%				
Corylus cornuta (western beaked hazelnut)	1% to 10%				
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%				
Tolmiea menziesii (piggy-back plant)	trace				
Trillium ovatum (trillium)	trace				

Unit TERW*008

Size: 19.63 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: Other

Slope: Gentle (5 to 10%)

Aspect: North

Notes: 9.10.03 Unit is a roadway - Terwilliger Blvd.

Unit TERW*009

Size: 7.94 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: CES204.845 North Pacific Dry Douglas-fir Forest and Woodland

Landform: Side-hill, Middle 3rd

Slope: Extremely Steep (over 30%)

Aspect: East

Notes:

Visit date: 9/8/2003

Ecological Health: Severely Degraded.

% Tree canopy: 85%

% Non-Native Cover: not recorded

General Note:

This unit is located at the north end of Terwilliger Blvd on the upslope side of the road.

Management Note:

Invasives (HEHE) are very heavy in this unit but removal is going to be problematic due to steep slopes. If a removal plan is formulated it should address possible bank stabilization problems which may occur during the transition. This unit is also being impacted from litter, noise and exhaust pollution.

Eco Note:

In unit TERW 009 there are some native species, but species and structural diversity is low.

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

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	
Fraxinus latifolia (Oregon ash)	10% to 20%		5-10"	Y	
Corylus cornuta (western beaked hazelnut)	10% to 20%				
Holodiscus discolor (oceanspray)	10% to 20%				
Populus balsamifera ssp. trichocarpa (black cott)	1% to 10%		20-30"		
Prunus sp. (cultivated cherry tree)	1% to 10%		5-10"		Y
Thuja plicata (western red cedar)	1% to 10%		0-5"	Y	
Acer circinatum (vine maple)	1% to 10%				
Cornus sericea ssp. sericea (red-osier dogwood)	1% to 10%				
Crataegus douglasii (Douglas' black hawthorn)	1% to 10%				
Polystichum munitum (sword fern)	1% to 10%				
Rosa gymnocarpa (dwarf wood rose)	1% to 10%				
Salix sitchensis (Sitka willow)	1% to 10%				Y
Geranium robertianum (herb-Robert)	trace				
Lathyrus polyphyllus (Pacific leafy peavine)	trace				
Toxicodendron diversilobum (poison oak)	trace				

Unit TERW*010

Size: 3.72 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: East

Notes:

Visit date: 9/8/2003

Ecological Health: Severely Degraded.

% Tree canopy: 60%

% Non-Native Cover: not recorded

General Note:

Fairly consistent road noise from freeways and Terwilliger.

Management Note:

ACPL regeneration sprouting up, did not see the source.

Eco Note:

Steep side-hill between Terwilliger Blvd (up-slope) and a residential neighborhood (down-slope).

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

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Hedera helix (English ivy)	over 75% Y				
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"	Y	
Crataegus monogyna (European hawthorn)	20% to 50%	Y			
Quercus garryana (Oregon white oak)	10% to 20%		20-30"		
Aesculus hippocastanum (horsechestnut)	1% to 10%		20-30"		

<i>Pseudotsuga menziesii</i> (Douglas fir)	1% to 10%	20-30 "	
<i>Prunus avium</i> (sweet pie cherry)	1% to 10%	5-10 "	
<i>Clematis vitalba</i> (clematis)	1% to 10%		
<i>Corylus cornuta</i> (western beaked hazelnut)	1% to 10%		
<i>Fraxinus latifolia</i> (Oregon ash)	1% to 10%		Y
<i>Ilex aquafolium</i> (English holly)	1% to 10%		
<i>Oemleria cerasiformis</i> (Indian-plum)	1% to 10%		
<i>Polystichum munitum</i> (sword fern)	1% to 10%		
<i>Rubus discolor</i> (Himalayan blackberry)	1% to 10%		
<i>Symphoricarpos albus</i> (snowberry)	1% to 10%		
<i>Acer platanoides</i> (Norway maple)	trace	0-5 "	Y
<i>Amelanchier alnifolia</i> (serviceberry)	trace		
<i>Lathyrus polyphyllus</i> (Pacific leafy peavine)	trace		
<i>Spiraea douglasii</i> (Douglas' spiraea)	trace		

Unit TERW*011

Size: 8.26 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: CES204.845 North Pacific Dry Douglas-fir Forest and Woodland

Landform: Side-hill, Middle 3rd

Slope: Extremely Steep (over 30%)

Aspect: East

Notes:

Visit date: 9/8/2003

Ecological Health: Severely Degraded.

% Tree canopy: 65%

% Non-Native Cover: not recorded

General Note:

Unit was located on north end of Terwilliger Blvd. It was characterized by heavy invasives and steep slopes.

Management Note:

Unit had heavy invasive infestation. CLVI and RUDI2 were heavier in this unit than in other units.

Eco Note:

QUGA4 population was present and stable in unit. At south end of unit there was a major ravine/drainage with no flowing water at this time.

Wetland indicators: Hydrophilic Vegetation.

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

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
<i>Acer macrophyllum</i> (bigleaf maple)	20% to 50%	Y	20-30 "	Y	
<i>Quercus garryana</i> (Oregon white oak)	20% to 50%	Y	20-30 "		
<i>Corylus cornuta</i> (western beaked hazelnut)	20% to 50%	Y			
<i>Hedera helix</i> (English ivy)	20% to 50%	Y			
<i>Rubus discolor</i> (Himalayan blackberry)	20% to 50%				
<i>Pseudotsuga menziesii</i> (Douglas fir)	10% to 20%		20-30 "		
<i>Fraxinus latifolia</i> (Oregon ash)	10% to 20%		10-20 "	Y	
<i>Clematis vitalba</i> (clematis)	10% to 20%				
<i>Crataegus monogyna</i> (European hawthorn)	10% to 20%				
<i>Oemleria cerasiformis</i> (Indian-plum)	10% to 20%				
<i>Thuja plicata</i> (western red cedar)	1% to 10%		5-10 "	Y	
<i>Acer circinatum</i> (vine maple)	1% to 10%				
<i>Crataegus douglasii</i> (Douglas' black hawthorn)	1% to 10%				
<i>Disporum hookeri</i> (Hooker's fairybells)	1% to 10%				
<i>Equisetum arvense</i> (field horsetail)	1% to 10%				
<i>Holodiscus discolor</i> (oceanspray)	1% to 10%				
<i>Ilex aquafolium</i> (English holly)	1% to 10%				
<i>Lathyrus polyphyllus</i> (Pacific leafy peavine)	1% to 10%				
<i>Physocarpus capitatus</i> (Pacific ninebark)	1% to 10%				
<i>Polystichum munitum</i> (sword fern)	1% to 10%				

Rubus parviflorus (thimbleberry)	1% to 10%
Symphoricarpos albus (snowberry)	1% to 10%
Toxicodendron diversilobum (poison oak)	trace

Unit TERW*012

Size: 6.59 Acres

NVCS Class: Forest

NVCS Subclass: Mixed evergreen-deciduous forest

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

NVCS SubGroup: Natural / Semi-natural

NVCS Ecological System: CES204.845 North Pacific Dry Douglas-fir Forest and Woodland

Landform: Side-hill, Middle 3rd

Slope: Extremely Steep (over 30%)

Aspect: East

Notes:

Visit date: 9/8/2003

Ecological Health: Severely Degraded.

% Tree canopy: 75%

% Non-Native Cover: not recorded

General Note:

Steep east facing slope. Unit runs north and south.

Management Note:

Impacts include noise, litter, and exhaust all associated with road. Also heavy invasives. A management plan should include possible solutions to these issues.

Eco Note:

This unit has steep side-hills. The southern end is much more healthy and diverse than the northern end.

Wetland indicators: Hydrophilic Vegetation, Saturated Soils.

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

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	
Symphoricarpos albus (snowberry)	10% to 20%	Y			
Corylus cornuta (western beaked hazelnut)	10% to 20%				
Crataegus monogyna (European hawthorn)	10% to 20%				
Polystichum munitum (sword fern)	10% to 20%				
Populus balsamifera ssp. trichocarpa (black cott	1% to 10%		20-30"	Y	
Thuja plicata (western red cedar)	1% to 10%		20-30"	Y	
Fraxinus latifolia (Oregon ash)	1% to 10%		5-10"	Y	
Alnus rubra (red alder)	1% to 10%		0-5"	Y	
Clematis vitalba (clematis)	1% to 10%				
Holodiscus discolor (oceanspray)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Lathyrus polyphyllus (Pacific leafy peavine)	1% to 10%				
Oemleria cerasiformis (Indian-plum)	1% to 10%				
Philadelphus lewisii (Lewis' mockorange)	1% to 10%				
Pteridium aquilinum (bracken fern)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Rubus ursinus (trailing blackberry)	1% to 10%				
Amelanchier alnifolia (serviceberry)	trace				
Juncus tenuis (slender rush)	trace				
Scirpus microcarpus (small-fruited bulrush)		trace			
Stachys cooleyae (Cooley's hedgenettle)	trace				
Toxicodendron diversilobum (poison oak)	trace				

Unit TERW*013

Size: 2.61 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: CES204.845 North Pacific Dry Douglas-fir Forest and Woodland
Landform: Side-hill, Middle 3rd
Slope: Gentle (10 to 20%)
Aspect: East
Notes:

Visit date: 9/9/2003

Ecological Health: Severely Degraded.

% Tree canopy: 75%

% Non-Native Cover: not recorded

General Note:

Thin strip of vegetation between Terwilliger Blvd. and residential neighborhood.

Management Note:

Work with neighbors to remove invasives and plant natives.

Eco Note:

Good native canopy but low structural and species diversity.

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

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
<i>Pseudotsuga menziesii</i> (Douglas fir)	20% to 50%	Y	20-30"		
<i>Acer macrophyllum</i> (bigleaf maple)	20% to 50%	Y	10-20"	Y	
<i>Hedera helix</i> (English ivy)	20% to 50%	Y			
<i>Robinia pseudo-acacia</i> (black locust)	10% to 20%		10-20"		
<i>Corylus avellana</i> (common filbert)	10% to 20%				
<i>Viburnum edule</i> (squashberry)	10% to 20%				
<i>Quercus palustris</i> (pin oak)	1% to 10%		20-30"		
<i>Fraxinus latifolia</i> (Oregon ash)	1% to 10%		5-10"	Y	
<i>Juglans regia</i> (English walnut)	1% to 10%		5-10"		
<i>Prunus sp.</i> (cultivated cherry tree)	1% to 10%		5-10"		
<i>Sorbus aucuparia</i> (European mountain ash)	1% to 10%		0-5"	Y	
<i>Acer circinatum</i> (vine maple)	1% to 10%				
<i>Clematis vitalba</i> (clematis)	1% to 10%				
<i>Crataegus monogyna</i> (European hawthorn)	1% to 10%				
<i>Oemleria cerasiformis</i> (Indian-plum)	1% to 10%				
<i>Polygonum cuspidatum</i> (Japanese knotweed)	1% to 10%				
<i>Polystichum munitum</i> (sword fern)	1% to 10%				
<i>Prunus laurocerasus</i> (English laurel)	1% to 10%				
<i>Rubus discolor</i> (Himalayan blackberry)	1% to 10%				
<i>Lapsana communis</i> (common nipplewort)	trace				
<i>Lathyrus polyphyllus</i> (Pacific leafy peavine)	trace				

Unit TERW*014

Size: 1.61 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: Gentle (10 to 20%)

Aspect: Southeast

Notes:

Visit date: 9/9/2003

Ecological Health: Poor.

% Tree canopy: 20%

% Non-Native Cover: not recorded

General Note:

Unit consists of a park with a playground, picnic tables, benches, and bathroom facilities.

Management Note:

Even though this is a city park invasives should be controlled and natives should be planted to help contain the spread of invasives.

Eco Note:

Lots of introduced horticultural species.

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

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
<i>Pseudotsuga menziesii</i> (Douglas fir)	1% to 10%	Y	20-30"		
<i>Acer macrophyllum</i> (bigleaf maple)	1% to 10%		20-30"	Y	
<i>Quercus garryana</i> (Oregon white oak)	1% to 10%		20-30"		
<i>Thuja plicata</i> (western red cedar)	1% to 10%		10-20"		
<i>Betula pendula</i> (European white birch)	1% to 10%		5-10"		
<i>Prunus</i> sp. (cultivated cherry tree)	1% to 10%		5-10"		
<i>Ailanthus altissima</i> (tree-of-heaven)	1% to 10%				
<i>Corylus avellana</i> (common filbert)	1% to 10%				
<i>Hedera helix</i> (English ivy)	1% to 10%				
<i>Lathyrus polyphyllus</i> (Pacific leafy peavine)	1% to 10%				
<i>Oemleria cerasiformis</i> (Indian-plum)	1% to 10%				
<i>Sequoia sempervirens</i> (redwood)	1% to 10%				
<i>Ilex aquafolium</i> (English holly)	trace				
<i>Rubus discolor</i> (Himalayan blackberry)	trace				
<i>Symphoricarpos albus</i> (snowberry)	trace				

Unit TERW*015

Size: 1.13 Acres

NVCS Class: Forest

NVCS Subclass: Mixed evergreen-deciduous forest

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

NVCS SubGroup: Natural / Semi-natural

NVCS Ecological System: CES204.845 North Pacific Dry Douglas-fir Forest and Woodland

Landform: Side-hill, Middle 3rd

Slope: Gentle (5 to 10%)

Aspect: East

Notes:

Visit date: 9/9/2003

Ecological Health: Severely Degraded.

% Tree canopy: 70%

% Non-Native Cover: not recorded

General Note:

Unit is a narrow strip of vegetation along Terwilliger Blvd. North end of unit is a mowed strip of grass.

Management Note:

Remove invasives that are dominating unit.

Eco Note:

TABR2 present in unit.

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

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
<i>Pseudotsuga menziesii</i> (Douglas fir)	20% to 50%	Y	20-30"		
<i>Rubus discolor</i> (Himalayan blackberry)	20% to 50%	Y			
<i>Acer macrophyllum</i> (bigleaf maple)	20% to 50%		10-20"	Y	
<i>Clematis vitalba</i> (clematis)	10% to 20%				

Crataegus monogyna (European hawthorn)	10% to 20%		
Hedera helix (English ivy)	10% to 20%		
Vancouveria hexandra (white inside-out-flower)	1% to 10%	Y	
Pinus contorta (lodgepole pine)	1% to 10%		10-20"
Thuja plicata (western red cedar)	1% to 10%		10-20"
Prunus sp. (cultivated cherry tree)	1% to 10%		5-10"
Robinia pseudo-acacia (black locust)	1% to 10%		5-10"
Taxus brevifolia (Pacific yew)	1% to 10%		5-10"
Convolvulus arvensis (morning glory)	1% to 10%		
Corylus avellana (common filbert)	1% to 10%		
Corylus cornuta (western beaked hazelnut)	1% to 10%		
Holodiscus discolor (oceanspray)	1% to 10%		
Lathyrus polyphyllus (Pacific leafy peavine)	1% to 10%		
Polygonum cuspidatum (Japanese knotweed)	1% to 10%		
Symphoricarpos albus (snowberry)	1% to 10%		
Viburnum edule (squashberry)	1% to 10%		

Unit TERW*016

Size: 0.30 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: Gentle (5 to 10%)

Aspect: East

Notes:

Visit date: 9/9/2003

Ecological Health: Severely Degraded.

% Tree canopy: 10%

% Non-Native Cover: not recorded

General Note:

Unit is very small. 25 meters by 10 meters approximately, and full of invasives

Management Note:

Unit is extremely invaded with CLVI, RUDI2 and others. The best solution might be to remove all vegetation and start over.

Eco Note:

Primary Management concerns: Invasives, Litter.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Crataegus monogyna (European hawthorn)	20% to 50%	Y			
Rubus discolor (Himalayan blackberry)	20% to 50%	Y			
Pseudotsuga menziesii (Douglas fir)	10% to 20%	Y	20-30"	Y	
Hedera helix (English ivy)	10% to 20%				
Malus sp. (cultivated apple tree)	1% to 10%		5-10"		
Corylus avellana (common filbert)	1% to 10%				
Lathyrus polyphyllus (Pacific leafy peavine)	1% to 10%				
Toxicodendron diversilobum (poison oak)	trace				

Unit TERW*017

Size: 1.17 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: Steep (20 to 30%)

Aspect: South

Notes:

Visit date: 9/9/2003

Ecological Health: Poor.

% Tree canopy: 75%

% Non-Native Cover: not recorded

General Note:

South facing unit on west side of Terwilliger Blvd. just up from road.

Management Note:

HEHE removal is in progress. It needs to be continued. Also there is some ILAQ sprouts that need to be removed.

Eco Note:

Healthy and diverse canopy and shrub layers. Black-tailed doe and fawn observed feeding in unit; both appeared to be healthy.

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

Primary Management concerns: Invasives.

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	
Acer circinatum (vine maple)	20% to 50%	Y			
Alnus rubra (red alder)	10% to 20%		10-20"	Y	
Corylus cornuta (western beaked hazelnut)	10% to 20%				
Vaccinium parvifolium (red huckleberry)	10% to 20%				
Thuja plicata (western red cedar)	1% to 10%		5-10"	Y	
Berberis nervosa (Oregon grape)	1% to 10%				
Cornus sericea ssp. sericea (red-osier dogwood)	1% to 10%				
Crataegus monogyna (European hawthorn)	1% to 10%				
Gaultheria shallon (salal)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Oemleria cerasiformis (Indian-plum)	1% to 10%				
Polygonum cuspidatum (Japanese knotweed)	1% to 10%				
Polystichum munitum (sword fern)	1% to 10%				
Rosa gymnocarpa (dwarf wood rose)	1% to 10%				
Rubus parviflorus (thimbleberry)	1% to 10%				
Sorbus aucuparia (European mountain ash)	trace		0-5"	Y	
Toxicodendron diversilobum (poison oak)	trace				

Unit TERW*018

Size: 13.08 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: 9/9/2003

Ecological Health: Poor.

% Tree canopy: 85%

% Non-Native Cover: not recorded

General Note:

Large unit on the east side of Terwilliger Blvd. Steep south - southeast facing slope.

Management Note:

HEHE dominant ground cover in unit. It needs to be removed to allow a forb layer to grow up.

Eco Note:

Unit was healthy and had good layering except for the HEHE. Forb layer absent in most of the unit.

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

Primary Management concerns: Invasives, Litter, Large Refuse, Utility Infrastructure, Hardscape Infrastructure, Homeless Camp, Informal Trails.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Hedera helix (English ivy)	50% to 75%	Y			
Pseudotsuga menziesii (Douglas fir)	20% to 50%	Y	20-30"		
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"	Y	
Acer circinatum (vine maple)	20% to 50%	Y			
Thuja plicata (western red cedar)	20% to 50%		10-20"	Y	
Corylus cornuta (western beaked hazelnut)	10% to 20%				
Oemleria cerasiformis (Indian-plum)	10% to 20%				
Vaccinium parvifolium (red huckleberry)	10% to 20%				
Alnus rubra (red alder)	1% to 10%		10-20"		
Berberis nervosa (Oregon grape)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Polystichum munitum (sword fern)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Rubus spectabilis (salmonberry)	1% to 10%				
Symphoricarpos albus (snowberry)	1% to 10%				
Taxus brevifolia (Pacific yew)	trace		5-10"		
Prunus emarginata (bitter cherry)	trace		0-5"	Y	
Sorbus aucuparia (European mountain ash)	trace		0-5"		
Crataegus monogyna (European hawthorn)	trace				
Philadelphus lewisii (Lewis' mockorange)	trace				
Prunus laurocerasus (English laurel)	trace				
Smilacina racemosa (false Solomon's-seal)	trace				
Tolmiea menziesii (piggy-back plant)	trace				
Vancouveria hexandra (white inside-out-flower)	trace				

Unit TERW*019

Size: 1.18 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: Other

Slope: Flat (0 to 5%)

Aspect: East

Notes:

Visit date: 9/10/2003

Ecological Health: unknown.

% Tree canopy: 10%

% Non-Native Cover: not recorded

General Note:

Management Note:

Eco Note:

Unit is a mowed picnic area along side Terwilliger Blvd.

Primary Management concerns: Invasives, Domestic Animals, Litter, Hardscape Infrastructure.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Hedera helix (English ivy)	20% to 50%				
Pseudotsuga menziesii (Douglas fir)	10% to 20%	Y	20-30"		
Acer macrophyllum (bigleaf maple)	1% to 10%		20-30"		
Alnus rubra (red alder)	1% to 10%		0-5"	Y	
Symphoricarpos albus (snowberry)	1% to 10%				
Prunus laurocerasus (English laurel)	trace				
Pteridium aquilinum (bracken fern)	trace				
Rubus discolor (Himalayan blackberry)	trace				

Unit TERW*020

Size: 3.38 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: 9/10/2003

Ecological Health: Severely Degraded.

% Tree canopy: 70%

% Non-Native Cover: not recorded

General Note:

species of interest: EUOC8, large patch near north end of unit.

Management Note:

Eco Note:

East facing, steep slopes, mostly deciduous forest. Unit receives a lot of road noise, exhaust and joggers passing by.

Primary Management concerns: Invasives, Litter.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"	Y	
Hedera helix (English ivy)	20% to 50%	Y			
Oemleria cerasiformis (Indian-plum)	20% to 50%	Y			
Clematis vitalba (clematis)	10% to 20%				
Cornus sericea ssp. sericea (red-osier dogwood)	10% to 20%				
Euonymus occidentalis (western wahoo)	10% to 20%				
Rubus discolor (Himalayan blackberry)	10% to 20%				
Pseudotsuga menziesii (Douglas fir)	1% to 10%		20-30"		
Quercus palustris (pin oak)	1% to 10%		10-20"	Y	
Thuja plicata (western red cedar)	1% to 10%		10-20"	Y	
Corylus avellana (common filbert)	1% to 10%				
Corylus cornuta (western beaked hazelnut)	1% to 10%				
Polystichum munitum (sword fern)	1% to 10%				
Rubus parviflorus (thimbleberry)	1% to 10%				
Picea sitchensis (Sitka spruce)	trace		20-30"		
Aesculus hippocastanum (horsechestnut)	trace		10-20"	Y	
Fraxinus latifolia (Oregon ash)	trace		0-5"	Y	
Populus balsamifera ssp. trichocarpa (black cott	trace		0-5"	Y	

Sorbus aucuparia (European mountain ash)	trace	0-5"	Y
Crataegus monogyna (European hawthorn)	trace		
Ilex aquafolium (English holly)	trace		

Unit TERW*021

Size: 3.4 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: CES204.845 North Pacific Dry Douglas-fir Forest and Woodland

Landform: Side-hill, Middle 3rd

Slope: Extremely Steep (over 30%)

Aspect: East

Visit date: 9/15/2003

Ecological Health: Poor.

% Tree canopy: 85%

% Non-Native Cover: not recorded

Management Note:

Several Prunus trees as well as PRLA in unit closer to the road's edge. Other invasives (RUDI2, LAPO3, CYSC, CLVI) by road as well.

Eco Note:

Dense mixed canopy with a sparse high shrub layer (except close to stream where the COCO is dense).

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"		
Hedera helix (English ivy)	20% to 50%	Y			
Polystichum munitum (sword fern)	20% to 50%	Y			
Abies grandis (grand fir)	20% to 50%		10-20"	Y	
Corylus cornuta (western beaked hazelnut)	10% to 20%	Y			
Berberis nervosa (Oregon grape)	10% to 20%				
Prunus avium (sweet pie cherry)	1% to 10%		10-20"		
Disporum hookeri (Hooker's fairybells)	1% to 10%				
Gaultheria shallon (salal)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Oemleria cerasiformis (Indian-plum)	1% to 10%				
Prunus laurocerasus (English laurel)	1% to 10%				
Smilacina racemosa (false Solomon's-seal)	1% to 10%				
Symphoricarpos albus (snowberry)	1% to 10%				
Achlys triphylla (vanillaleaf)	trace				
Clematis vitalba (clematis)	trace				
Crataegus monogyna (European hawthorn)	trace				
Cytisus scoparius (Scot's broom)	trace				
Lathyrus polyphyllus (Pacific leafy peavine)	trace				
Philadelphus lewisii (Lewis' mockorange)	trace				
Rubus discolor (Himalayan blackberry)	trace				
Toxicodendron diversilobum (poison oak)	trace				
Trillium ovatum (trillium)	trace				
Vancouveria hexandra (white inside-out-flower)	trace				

Unit TERW*022

Size: 4.01 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: CES204.845 North Pacific Dry Douglas-fir Forest and Woodland

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

Visit date: 9/11/2003

Ecological Health: Poor.
% Tree canopy: 65%
% Non-Native Cover: not recorded
General Note:

Management Note:

Ivy is aggressively choking out this hardy forest community.

Eco Note:

Unit consists of a steep, long strip bordering busy, noisy Terwilliger Blvd.

Primary Management concerns: Invasives, Litter, Yard Debris.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"	Y	
Hedera helix (English ivy)	20% to 50%	Y			
Rubus discolor (Himalayan blackberry)	20% to 50%	Y			
Pseudotsuga menziesii (Douglas fir)	10% to 20%		20-30"		
Acer circinatum (vine maple)	10% to 20%				
Clematis vitalba (clematis)	10% to 20%				
Corylus cornuta (western beaked hazelnut)	10% to 20%				
Prunus laurocerasus (English laurel)	10% to 20%				
Sambucus mexicana (blue elderberry)	10% to 20%				
Symphoricarpos albus (snowberry)	10% to 20%				
Viburnum edule (squashberry)	10% to 20%				
Populus balsamifera ssp. trichocarpa (black cott	1% to 10%		20-30"		
Acer platanoides (Norway maple)	1% to 10%		5-10"	Y	
Berberis nervosa (Oregon grape)	1% to 10%				
Euonymus occidentalis (western wahoo)	1% to 10%				
Geum macrophyllum (largeleaf avens)	1% to 10%				
Polystichum munitum (sword fern)	1% to 10%				
Pteridium aquilinum (bracken fern)	1% to 10%				
Rosa nutkana (Nootka rose)	1% to 10%				
Salix sitchensis (Sitka willow)	1% to 10%				
Sorbus aucuparia (European mountain ash)	trace		0-5"		
Stachys cooleyae (Cooley's hedgenettle)	trace				

Unit TERW*023

Size: 0.23 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: CES204.845 North Pacific Dry Douglas-fir Forest and Woodland
Landform: Side-hill, Middle 3rd
Slope: Extremely Steep (over 30%)
Aspect: South
Notes:

Visit date: 9/11/2003

Ecological Health: Poor.
% Tree canopy: 80%
% Non-Native Cover: not recorded
General Note:

Small unit sandwiched between a busy, noisy road and residential properties.

Management Note:

HEHE dominant.

Eco Note:

Unit is covered with ivy but also has good structural diversity with various heights and age classes.

Wetland indicators: Hydrophilic Vegetation.

Primary Management concerns: Invasives, Yard Debris.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
<i>Corylus cornuta</i> (western beaked hazelnut)	20% to 50%	Y			
<i>Hedera helix</i> (English ivy)	20% to 50%	Y			
<i>Acer macrophyllum</i> (bigleaf maple)	20% to 50%		10-20"		
<i>Pseudotsuga menziesii</i> (Douglas fir)	20% to 50%		10-20"		
<i>Abies grandis</i> (grand fir)	10% to 20%		10-20"	Y	Y
<i>Berberis nervosa</i> (Oregon grape)	10% to 20%				
<i>Populus balsamifera</i> ssp. <i>trichocarpa</i> (black cott	1% to 10%		10-20"		
<i>Thuja plicata</i> (western red cedar)	1% to 10%		5-10"	Y	
<i>Gaultheria shallon</i> (salal)	1% to 10%				
<i>Geum macrophyllum</i> (largeleaf avens)	1% to 10%				
<i>Ilex aquafolium</i> (English holly)	1% to 10%				
<i>Polystichum munitum</i> (sword fern)	1% to 10%				
<i>Rosa gymnocarpa</i> (dwarf wood rose)	1% to 10%				
<i>Rubus discolor</i> (Himalayan blackberry)	1% to 10%				
<i>Clematis vitalba</i> (clematis)	trace				
<i>Crataegus monogyna</i> (European hawthorn)	trace				
<i>Juncus effusus</i> (common soft Pacific rush)	trace				

Unit TERW*024

Size: 3.83 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

Visit date: 9/15/2003

Ecological Health: Poor.

% Tree canopy: 70%

% Non-Native Cover: not recorded

General Note:

Road noise from Terwilliger Blvd.

Management Note:

HEHE in trees moving into upper canopy.

Eco Note:

Deciduous unit with few evergreens, steep slopes, heavy invasives but some good structural and species diversity.

Wetland indicators: Hydrophilic Vegetation.

Primary Management concerns: Invasives, Litter.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
<i>Acer macrophyllum</i> (bigleaf maple)	50% to 75%	Y	10-20"	Y	
<i>Corylus cornuta</i> (western beaked hazelnut)	20% to 50%	Y			
<i>Hedera helix</i> (English ivy)	20% to 50%	Y			
<i>Polystichum munitum</i> (sword fern)	20% to 50%				
<i>Oemleria cerasiformis</i> (Indian-plum)	10% to 20%				
<i>Rubus parviflorus</i> (thimbleberry)	10% to 20%				
<i>Rubus ursinus</i> (trailing blackberry)	10% to 20%				
<i>Alnus rubra</i> (red alder)	1% to 10%		10-20"		

<i>Pseudotsuga menziesii</i> (Douglas fir)	1% to 10%	10-20"	Y
<i>Acer circinatum</i> (vine maple)	1% to 10%		
<i>Achlys triphylla</i> (vanillaleaf)	1% to 10%		
<i>Geum macrophyllum</i> (largeleaf avens)	1% to 10%		
<i>Rosa gymnocarpa</i> (dwarf wood rose)	1% to 10%		
<i>Rubus discolor</i> (Himalayan blackberry)	1% to 10%		
<i>Tolmiea menziesii</i> (piggy-back plant)	1% to 10%		
<i>Vaccinium parvifolium</i> (red huckleberry)	1% to 10%		
<i>Vancouveria hexandra</i> (white inside-out-flower)	1% to 10%		
<i>Abies grandis</i> (grand fir)	trace	5-10"	Y
<i>Sorbus aucuparia</i> (European mountain ash)	trace	0-5"	Y
<i>Actaea rubra</i> (red baneberry)	trace		
<i>Asarum caudatum</i> (wild ginger)	trace		
<i>Berberis nervosa</i> (Oregon grape)	trace		
<i>Disporum hookeri</i> (Hooker's fairybells)	trace		
<i>Geranium robertianum</i> (herb-Robert)	trace		
<i>Ilex aquafolium</i> (English holly)	trace		
<i>Prunus</i> sp. (cultivated cherry tree)	trace		
<i>Ribes sanguineum</i> (red-flowering currant)	trace		