



Vegetation Unit Summaries for **Errol Heights Property (EH)**

Report date: 7/29/2009

'\*' = non-native invasive species

Visit data as of: 7/29/2009

**Unit EH\*001**

**Size:** 4.59 Acres

**NVCS Class:** Woodland

**NVCS Subclass:** Deciduous woodland

**NVCS Group:** 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:** Southwest

**Notes:**

**Visit date:** 8/4/2003

**Ecological Health:** Severely Degraded.

**% Tree canopy:** 60%

**% Non-Native Cover:** not recorded

**General Note:**

This unit consisted of several old home sites surrounding a wetland.

**Management Note:**

Remove and control invasives.

**Eco Note:**

This unit was a steep upland slope. A few springs were coming out of the lower slope feeding a wetland unit below.

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

**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            |         |
| Dactylis glomerata (orchard grass)               | 10% to 20%  | Y        |        |              |         |
| Holcus lanatus (velvet grass)                    | 10% to 20%  | Y        |        |              |         |
| Corylus avellana (common filbert)                | 10% to 20%  |          |        |              |         |
| Galium aparine (cleavers)                        | 10% to 20%  |          |        |              |         |
| Populus balsamifera ssp. trichocarpa (black cott | 1% to 10%   |          | 10-20" |              |         |
| Pseudotsuga menziesii (Douglas fir)              | 1% to 10%   |          | 10-20" |              |         |
| Juglans regia (English walnut)                   | 1% to 10%   |          | 5-10"  |              |         |
| Prunus avium (sweet pie cherry)                  | 1% to 10%   |          | 5-10"  |              |         |
| Robinia pseudo-acacia (black locust)             | 1% to 10%   |          | 5-10"  |              |         |
| Clematis vitalba (clematis)                      | 1% to 10%   |          |        |              |         |
| Daucus carota (Queen Anne's lace)                | 1% to 10%   |          |        |              |         |
| Equisetum telmateia (giant horsetail)            | 1% to 10%   |          |        |              |         |
| Hedera helix (English ivy)                       | 1% to 10%   |          |        |              |         |
| Lapsana communis (common nipplewort)             | 1% to 10%   |          |        |              |         |
| Prunus laurocerasus (English laurel)             | 1% to 10%   |          |        |              |         |
| Sambucus mexicana (blue elderberry)              | 1% to 10%   |          |        |              |         |
| Solanum dulcamara (bittersweet nightshade)       | 1% to 10%   |          |        |              |         |
| Symphoricarpos albus (snowberry)                 | 1% to 10%   |          |        |              |         |
| Malus sp. (cultivated apple tree)                | trace       |          | 5-10"  |              |         |
| Picea sitchensis (Sitka spruce)                  | trace       |          | 5-10"  |              |         |
| Pinus contorta (lodgepole pine)                  | trace       |          | 5-10"  |              |         |
| Arum maculatum (lords and ladies)                | trace       |          |        |              |         |

Polystichum munitum (sword fern) trace  
 Sonchus oleraceus (sow thistle) trace

**Unit EH\*002**

**Size:** 2.39 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:** Other  
**Slope:** Gentle (10 to 20%)  
**Aspect:** Southwest  
**Notes:**

**Visit date:** 8/4/2003

**Ecological Health:** Poor.  
**% Tree canopy:** 40%  
**% Non-Native Cover:** not recorded  
**General Note:**

Unit consists of a wetland surrounded by steep slopes and houses.

**Management Note:**

Remove and control invasives. Also continue to plant and maintain restoration plantings.

**Eco Note:**

Unit is a series of wetland ponds being feed by several springs.

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

**Primary Management concerns:** Invasives, Domestic Animals, Litter, Large Refuse.

**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       |
| Equisetum telmateia (giant horsetail)             | 20% to 50%  |           |        |              |         |
| Rubus discolor (Himalayan blackberry)             | 20% to 50%  |           |        |              |         |
| Salix lucida ssp. lasiandra (Pacific willow)      | 20% to 50%  |           |        | Y            |         |
| Holcus lanatus (velvet grass)                     | 10% to 20%  | Y         |        |              |         |
| Sambucus mexicana (blue elderberry)               | 10% to 20%  | Y         |        |              |         |
| Stachys cooleyae (Cooley's hedgenettle)           | 10% to 20%  |           |        |              |         |
| Pseudotsuga menziesii (Douglas fir)               | 1% to 10%   |           | 10-20" |              | Y       |
| Populus balsamifera ssp. trichocarpa (black cott) | 1% to 10%   |           | 5-10"  | Y            |         |
| Thuja plicata (western red cedar)                 | 1% to 10%   |           | 5-10"  | Y            |         |
| Fraxinus latifolia (Oregon ash)                   | 1% to 10%   |           | 0-5"   |              | Y       |
| Clematis vitalba (clematis)                       | 1% to 10%   |           |        |              |         |
| Epilobium ciliatum ssp. watsonii (fringed willow) | 1% to 10%   |           |        |              |         |
| Galium aparine (cleavers)                         | 1% to 10%   |           |        |              |         |
| Hedera helix (English ivy)                        | 1% to 10%   |           |        |              |         |
| Oemleria cerasiformis (Indian-plum)               | 1% to 10%   |           |        |              |         |
| Oenanthe sarmentosa (Pacific water-parsely)       |             | 1% to 10% |        |              |         |
| Phalaris arundinacea (reed canarygrass)           | 1% to 10%   |           |        |              |         |
| Prunella vulgaris (healall)                       | 1% to 10%   |           |        |              |         |
| Ranunculus repens (creeping buttercup)            | 1% to 10%   |           |        |              |         |
| Rorippa nasturtium-aquaticum (Watercress)         | 1% to 10%   |           |        |              |         |
| Sambucus racemosa (red elderberry)                | 1% to 10%   |           |        |              |         |
| Solanum dulcamara (bittersweet nightshade)        | 1% to 10%   |           |        |              |         |
| Veronica americana (American brooklime)           | 1% to 10%   |           |        |              |         |
| Sorbus aucuparia (European mountain ash)          | trace       |           | 0-5"   | Y            |         |
| Cichorium intybus (chicory)                       | trace       |           |        |              |         |
| Cirsium arvense (Canadian Thistle)                | trace       |           |        |              |         |
| Convolvulus arvensis (morning glory)              | trace       |           |        |              |         |
| Convolvulus sepium (hedge glorybind)              | trace       |           |        |              |         |
| Crataegus monogyna (European hawthorn)            | trace       |           |        | Y            |         |
| Daucus carota (Queen Anne's lace)                 | trace       |           |        |              |         |
| Dipsacus sylvestris (teasel)                      | trace       |           |        |              |         |
| Ilex aquafolium (English holly)                   | trace       |           |        |              |         |
| Iris pseudacorus (yellow flag iris)               | trace       |           |        |              |         |

|   |       |
|---|-------|
| Juglans regia (English walnut)                    | trace |
| Lysichiton americanus (American yellow skunkcabb) | trace |
| Mimulus guttatus (yellow monkeyflower)            | trace |
| Sonchus oleraceus (sow thistle)                   | trace |

## Unit EH\*004

**Size:** 1.62 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:** Broad flat > 600'

**Slope:** Flat (0 to 5%)

**Aspect:** Northwest

**Notes:**

**Visit date:** 8/4/2003

**Ecological Health:** Severely Degraded.

**% Tree canopy:** 15%

**% Non-Native Cover:** not recorded

**General Note:**

Three lots were combined to make up unit 004. They all appear to be old home sites.

**Management Note:**

Control invasives, remove stables and make a restoration plan for the site.

**Eco Note:**

Very disturbed old home site with lots of invasives.

**Primary Management concerns:** Invasives, Domestic Animals, Litter, Yard Debris, Utility Infrastructure, Hardscape Infrastructure, Homeless Camp, Informal Trails, Encroachment.

**Visit Species:**

|   | COVER CLASS | DOMINANT | DBH  | REGENERATING | PLANTED |
|---|-------------|----------|------|--------------|---------|
| Lolium multiflorum (Italian ryegrass)             | 20% to 50%  | Y        |      |              |         |
| Festuca arundinacea (tall fescue)                 | 10% to 20%  |          |      |              |         |
| Taraxacum officinale (common dandelion)           | 10% to 20%  |          |      |              |         |
| Trifolium pratense (red clover)                   | 10% to 20%  |          |      |              |         |
| Corylus avellana (common filbert)                 | 1% to 10%   |          |      |              |         |
| Plantago lanceolata (English narrowleaf buckhorn) | 1% to 10%   |          |      |              |         |
| Pseudotsuga menziesii (Douglas fir)               | trace       |          | >30" |              |         |
| Thuja plicata (western red cedar)                 | trace       |          | 0-5" |              | Y       |
| Cichorium intybus (chicory)                       | trace       |          |      |              |         |
| Cirsium arvense (Canadian Thistle)                | trace       |          |      |              |         |
| Ilex aquafolium (English holly)                   | trace       |          |      |              |         |
| Lathyrus polyphyllus (Pacific leafy peavine)      | trace       |          |      |              |         |
| Rubus discolor (Himalayan blackberry)             | trace       |          |      |              |         |

## Unit EH\*005

**Size:** 1.79 Acres

**NVCS Class:** Shrubland

**NVCS Subclass:** Deciduous shrubland

**NVCS Group:** Cold-deciduous shrubland

**NVCS SubGroup:** Natural / Semi-natural

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

**Landform:** Broad flat > 600'

**Slope:** Flat (0 to 5%)

**Aspect:** Southwest

**Visit date:** 8/5/2003

**Ecological Health:** Severely Degraded.

**% Tree canopy:** 5%

**% Non-Native Cover:** not recorded

**General Note:**

This unit was an old home site so there is some residual evidence of old driveway, ornamental plants and a bus and old trailer.

**Management Note:**

Restoration plantings of willows along creek.

**Eco Note:**

There are some curly-leafed, ornamental Salix in the unit.

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

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

**Visit Species:**

|  | COVER CLASS | DOMINANT  | DBH | REGENERATING | PLANTED |
|--|-------------|-----------|-----|--------------|---------|
| Rubus discolor (Himalayan blackberry)        | 50% to 75%  | Y         |     |              |         |
| Salix lucida ssp. lasiandra (Pacific willow) | 10% to 20%  |           |     |              | Y       |
| Convolvulus arvensis (morning glory)         | 1% to 10%   |           |     |              |         |
| Equisetum arvense (field horsetail)          | 1% to 10%   |           |     |              |         |
| Iris pseudacorus (yellow flag iris)          | 1% to 10%   |           |     |              |         |
| Oenanthe sarmentosa (Pacific water-parsely)  |             | 1% to 10% |     |              |         |
| Salix sitchensis (Sitka willow)              | 1% to 10%   |           |     |              | Y       |
| Solanum dulcamara (bittersweet nightshade)   | 1% to 10%   |           |     |              |         |
| Veronica americana (American brooklime)      | 1% to 10%   |           |     |              |         |
| Cirsium arvense (Canadian Thistle)           | trace       |           |     |              |         |
| Galium aparine (cleavers)                    | trace       |           |     |              |         |
| Sambucus racemosa (red elderberry)           | trace       |           |     |              |         |

**Unit EH\*006**

**Size:** 1.01 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:** Northwest

**Visit date:** 8/5/2003

**Ecological Health:** Severely Degraded.

**% Tree canopy:** 40%

**% Non-Native Cover:** not recorded

**General Note:**

This unit is located at the top of the driveway to an old home site. It is very disturbed.

**Management Note:**

The clearing of invasives has already begun this needs to continue along with restoration plantings.

**Eco Note:**

Unit was heavily disturbed and was dominated by invasives.

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

## Visit Species:

|  | COVER CLASS | DOMINANT | DBH    | REGENERATING | PLANTED |
|--|-------------|----------|--------|--------------|---------|
| Rubus discolor (Himalayan blackberry)            | 50% to 75%  | Y        |        |              |         |
| Populus balsamifera ssp. trichocarpa (black cott | 20% to 50%  | Y        | 10-20" | Y            |         |
| Acer macrophyllum (bigleaf maple)                | 10% to 20%  |          | 10-20" |              |         |
| Hedera helix (English ivy)                       | 10% to 20%  |          |        |              |         |
| Robinia pseudo-acacia (black locust)             | 1% to 10%   |          | 5-10"  |              |         |
| Clematis vitalba (clematis)                      | 1% to 10%   |          |        |              |         |
| Lapsana communis (common nipplewort)             | trace       |          |        |              |         |
| Lathyrus polyphyllus (Pacific leafy peavine)     | trace       |          |        |              |         |

## Unit EH\*008

**Size:** 1 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:** Broad flat > 600'

**Slope:** Flat (0 to 5%)

**Aspect:** Southeast

**Notes:**

**Visit date:** 8/4/2003

**Ecological Health:** Severely Degraded.

**% Tree canopy:** 5%

**% Non-Native Cover:** not recorded

**General Note:**

Unit is part of an old home site, mitigation for RUDI has taken place recently.

**Management Note:**

Invasive dominate unit. RUDI is returning aggressively.

**Eco Note:**

Unit includes FACW plants EPCIW; JUTE.

**Wetland indicators:** Hydrophilic Vegetation.

**Primary Management concerns:** Invasives, Soil Compaction, Litter.

**Visit Species:**

|   | COVER CLASS | DOMINANT | DBH | REGENERATING | PLANTED |
|---|-------------|----------|-----|--------------|---------|
| Rubus discolor (Himalayan blackberry)             | 50% to 75%  | Y        |     |              |         |
| Clematis vitalba (clematis)                       | 10% to 20%  |          |     |              |         |
| Convolvulus arvensis (morning glory)              | 1% to 10%   |          |     |              |         |
| Corylus avellana (common filbert)                 | 1% to 10%   |          |     |              |         |
| Epilobium ciliatum ssp. watsonii (fringed willow) | 1% to 10%   |          |     |              |         |
| Juncus tenuis (slender rush)                      | 1% to 10%   |          |     |              |         |
| Rumex obtusifolius (bitter dock)                  | 1% to 10%   |          |     |              |         |
| Solanum dulcamara (bittersweet nightshade)        | 1% to 10%   |          |     |              |         |
| Daucus carota (Queen Anne's lace)                 | trace       |          |     |              |         |
| Sambucus racemosa (red elderberry)                | trace       |          |     |              |         |
| Sonchus oleraceus (sow thistle)                   | trace       |          |     |              |         |

## Unit EH\*009

**Size:** 1.87 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:** West

**Visit date:** 8/5/2003

**Ecological Health:** Severely Degraded.

**% Tree canopy:** 60%

**% Non-Native Cover:** not recorded

**General Note:**

2 units on west side of property. Site of an old substation.

**Management Note:**

Trash needs to be picked up. Restoration work started needs to be continued.

**Eco Note:**

Heavy invasives, some restoration work going on. Landscaping present around substation. (Arborvitae)

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

**Primary Management concerns:** Invasives, Domestic Animals, Litter, Utility Infrastructure, Homeless Camp, Encroachment.

**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%  |          | 10-20" |              |         |
| Populus balsamifera ssp. trichocarpa (black cott | 10% to 20%  |          | 10-20" |              |         |
| Populus alba (white poplar)                      | 10% to 20%  |          | 5-10"  |              |         |
| Robinia pseudo-acacia (black locust)             | 10% to 20%  |          | 5-10"  | Y            |         |
| Prunus avium (sweet pie cherry)                  | 1% to 10%   |          | 5-10"  |              |         |
| Alnus rubra (red alder)                          | 1% to 10%   |          | 0-5"   |              |         |
| Cornus sericea ssp. sericea (red-osier dogwood)  | 1% to 10%   |          |        |              |         |
| Equisetum arvense (field horsetail)              | 1% to 10%   |          |        |              |         |
| Prunus laurocerasus (English laurel)             | 1% to 10%   |          |        |              |         |
| Acer platanoides (Norway maple)                  | trace       |          | 0-5"   | Y            |         |
| Fraxinus latifolia (Oregon ash)                  | trace       |          | 0-5"   | Y            |         |
| Sorbus aucuparia (European mountain ash)         | trace       |          | 0-5"   | Y            |         |
| Thuja plicata (western red cedar)                | trace       |          | 0-5"   |              |         |
| Corylus avellana (common filbert)                | trace       |          |        |              |         |
| Crataegus monogyna (European hawthorn)           | trace       |          |        |              |         |
| Ilex aquafolium (English holly)                  | trace       |          |        |              |         |
| Ranunculus repens (creeping buttercup)           | trace       |          |        |              |         |
| Solanum dulcamara (bittersweet nightshade)       | trace       |          |        |              |         |
| Veronica americana (American brooklime)          | trace       |          |        |              |         |