



Vegetation Unit Summaries for **Zenger Farm (ZF)**

Report date: 7/29/2009

'\*' = non-native invasive species

Visit data as of: 7/29/2009

**Unit ZF\*001**

**Size:** 0.37 Acres

**NVCS Class:** Herbaceous

**NVCS Subclass:** Perennial graminoid vegetation

**NVCS Group:** Temperate grassland with a sparse shrub layer

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

**NVCS Ecological System:** unknown

**Landform:** Broad flat > 600'

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

**Aspect:** South

**Notes:**

**Visit date:** 8/25/2003

**Ecological Health:** unknown.

**% Tree canopy:** 5%

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

**General Note:**

Gave unit significant habitat potential because it is adjacent to a wetland.

**Management Note:**

Whack back the RUDI2 and CYSC which is encroaching the wall of RUDI2 that delineates the unit.

**Eco Note:**

Unit is mostly mowed grass (~85%)

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

**Visit Species:**

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Phalaris arundinacea (reed canarygrass)	20% to 50%				
Rubus discolor (Himalayan blackberry)	10% to 20%				
Acer macrophyllum (bigleaf maple)	1% to 10%		10-20"		
Pseudotsuga menziesii (Douglas fir)	1% to 10%		10-20"		
Prunus sp. (cultivated cherry tree)	1% to 10%		0-5"		
Convolvulus arvensis (morning glory)	1% to 10%				
Convolvulus sepium (hedge glorybind)	1% to 10%				
Crataegus douglasii (Douglas' black hawthorn)	1% to 10%				
Lolium multiflorum (Italian ryegrass)	1% to 10%				
Malus sp. (cultivated apple tree)	trace		5-10"		
Daucus carota (Queen Anne's lace)	trace				
Taraxacum officinale (common dandelion)	trace				
Trifolium pratense (red clover)	trace				

**Unit ZF\*002**

**Size:** 7.25 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:** South

**Notes:** 8.26.03 Unit is an organic farm (Zenger Farm).

### Unit ZF\*003

**Size:** 0.78 Acres

**NVCS Class:** Herbaceous

**NVCS Subclass:** Perennial graminoid vegetation

**NVCS Group:** Temperate grassland with a sparse shrub layer

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

**NVCS Ecological System:** unknown

**Landform:** Broad flat > 600'

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

**Aspect:** Southeast

**Notes:**

### Visit date: 8/26/2003

**Ecological Health:** unknown.

**% Tree canopy:** 10%

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

**General Note:**

Loud noise from nearby industry.

**Management Note:**

**Eco Note:**

Unit consists of a compacted gravel lot that used to be part of a junk yard.

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

**Visit Species:**

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Rubus discolor (Himalayan blackberry)	20% to 50%				
Populus balsamifera ssp. trichocarpa (black cott	1% to 10%		5-10"		
Cichorium intybus (chicory)	1% to 10%				
Crataegus monogyna (European hawthorn)	1% to 10%				
Cytisus scoparius (Scot's broom)	1% to 10%				
Hypericum perforatum (common St. John's wort)	1% to 10%				
Lathyrus polyphyllus (Pacific leafy peavine)	1% to 10%				
Phalaris arundinacea (reed canarygrass)	1% to 10%				
Robinia pseudo-acacia (black locust)	trace		0-5"	Y	
Convolvulus sepium (hedge glorybind)	trace				
Daucus carota (Queen Anne's lace)	trace				
Oenothera biennis (common Evening-primrose)		trace			
Rumex obtusifolius (bitter dock)	trace				
Senecio jacobaea (tansy ragwort)	trace				

### Unit ZF\*004

**Size:** 8.78 Acres

**NVCS Class:** Herbaceous

**NVCS Subclass:** Perennial graminoid vegetation

**NVCS Group:** Temperate grassland

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

**NVCS Ecological System:** unknown

**Landform:** Broad flat > 600'

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

**Aspect:** North

**Notes:**

**Visit date:** 8/26/2003

**Ecological Health:** Fair.

**% Tree canopy:** 0%

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

**General Note:**

Unit is located downslope from an organic farm.

**Management Note:**

Unit is dominated by PHAR3, IMCA, LOCO and other invasive grasses. Intensive mitigation would be required for a successful restoration effort.

**Eco Note:**

Unit is part of a wetland complex straddling the Springwater corridor. The north edge has standing water while the south edge slopes up to an upland/farm. Water meanders throughout unit and has a strong methane smell. Spotted a pheasant and Blue Heron flying over unit.

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

**Primary Management concerns:** Invasives, Utility Infrastructure.

**Visit Species:**

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Phalaris arundinacea (reed canarygrass)	50% to 75%	Y			
Holcus lanatus (velvet grass)	10% to 20%				
Impatiens capensis (spotted orange touch-me-not)	10% to 20%				
Lotus corniculatus (birdsfoot trefoil)	10% to 20%				
Typha latifolia (broadleaf common cattail)	10% to 20%				
Alopecurus pratensis (meadow foxtail)	1% to 10%				
Carex obnupta (slough sedge)	1% to 10%				
Crataegus monogyna (European hawthorn)	1% to 10%				
Epilobium ciliatum ssp. watsonii (fringed willow)	1% to 10%				
Juncus effusus (common soft Pacific rush)	1% to 10%				
Rorippa nasturtium-aquaticum (Watercress)	1% to 10%				
Salix lucida ssp. lasiandra (Pacific willow)	1% to 10%				
Cirsium arvense (Canadian Thistle)	trace				
Lythrum salicaria (purple loosestrife)	trace				
Ranunculus repens (creeping buttercup)	trace				
Rubus discolor (Himalayan blackberry)	trace				
Rumex obtusifolius (bitter dock)	trace				
Solanum dulcamara (bittersweet nightshade)	trace				

**Unit ZF\*005**

**Size:** 2.47 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:** South

**Notes:**

**Visit date:** 8/26/2003

**Ecological Health:** unknown.

**% Tree canopy:** 15%

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

**General Note:**

Land use "other" indicates that this is mowed grass park with several horticulture species.

### Management Note:

Neighbors are using the west side of park as a detour to avoid large pot holes in road adjacent to park.  
Resident requested that road be fixed. Cat litter, yard debris and trash are being dumped into the park.

### Eco Note:

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

### Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Juglans regia (English walnut)	1% to 10%		10-20"		Y
Pseudotsuga menziesii (Douglas fir)	1% to 10%		10-20"		
Malus sp. (cultivated apple tree)	1% to 10%		5-10"		Y
Daucus carota (Queen Anne's lace)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Syringa vulgaris (common lilac)	1% to 10%				

## Unit ZF\*006

**Size:** 1.3 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:** Broad flat > 600'

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

**Aspect:** South

**Notes:**

**Visit date:** 8/26/2003

**Ecological Health:** Poor.

**% Tree canopy:** 65%

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

### General Note:

Several neighboring residents are dumping yard debris into edges of unit. A swing set and a boat trailer are on the city property.

### Management Note:

### Eco Note:

Mixed forest with a dense ivy cover--ivy and poison oak are climbing into the trees.

**Primary Management concerns:** Invasives, Litter, Large Refuse, Yard Debris, Informal Trails, Encroachment.

### Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Hedera helix (English ivy)	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	
Prunus avium (sweet pie cherry)	10% to 20%	Y	5-10"	Y	
Crataegus monogyna (European hawthorn)	10% to 20%				
Rubus discolor (Himalayan blackberry)	10% to 20%				
Symphoricarpos albus (snowberry)	10% to 20%				
Berberis nervosa (Oregon grape)	1% to 10%				
Corylus avellana (common filbert)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Oemleria cerasiformis (Indian-plum)	1% to 10%				
Philadelphus lewisii (Lewis' mockorange)	1% to 10%				
Robinia pseudo-acacia (black locust)	1% to 10%				
Convolvulus sepium (hedge glorybind)	trace				
Toxicodendron diversilobum (poison oak)	trace				

## Unit ZF\*007

**Size:** 0.97 Acres

**NVCS Class:** Shrubland

**NVCS Subclass:** Deciduous shrubland

**NVCS Group:** Cold-deciduous shrubland

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

**NVCS Ecological System:** CES204.865 North Pacific Deciduous Swamp

**Landform:** Broad flat > 600'

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

**Aspect:** South

**Notes:**

**Visit date:** 8/26/2003

**Ecological Health:** Poor.

**% Tree canopy:** 25%

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

**General Note:**

Neighbors are dumping yard debris on west side of unit.

**Management Note:**

**Eco Note:**

Area is a seasonal wetland bordering the Spring Water trail. Several regenerating FRLA are emerging among the dense stand of PHAR.

**Wetland indicators:** Hydrophilic Vegetation, Surface Water, Drift Lines, Flood Debris, Water Marks, Saturated Soils, Standing Flowing Water.

**Primary Management concerns:** Invasives, Yard Debris, Informal Trails.

**Visit Species:**

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Phalaris arundinacea (reed canarygrass)	20% to 50%	Y			
Salix sitchensis (Sitka willow)	10% to 20%	Y			
Acer macrophyllum (bigleaf maple)	1% to 10%		5-10"	Y	
Fraxinus latifolia (Oregon ash)	1% to 10%		5-10"	Y	
Crataegus douglasii (Douglas' black hawthorn)	1% to 10%				
Crataegus monogyna (European hawthorn)	1% to 10%				
Impatiens capensis (spotted orange touch-me-not)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Salix lucida ssp. lasiandra (Pacific willow)	1% to 10%				
Spiraea douglasii (Douglas' spiraea)	1% to 10%				
Symphoricarpos albus (snowberry)	1% to 10%				
Typha latifolia (broadleaf common cattail)	1% to 10%				
Solanum dulcamara (bittersweet nightshade)	trace				

## Unit ZF\*008

**Size:** 2.76 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:** South

**Notes:**

**Visit date: 8/27/2003**

**Ecological Health:** Severely Degraded.

**% Tree canopy:** 0%

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

**General Note:**

Powerlines, spring water trail, road noise and adjacent homes impact unit greatly. Part of the unit (10' x 40') has been burned (accident?).

**Management Note:**

Huge blackberry patch - burn area?

**Eco Note:**

Unit consists of blackberry with a few rogue invasive shrubs. Prunus sp. refers to a cultivated cherry.

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

**Visit Species:**

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Rubus discolor (Himalayan blackberry)	over 75% Y				
Crataegus monogyna (European hawthorn)	1% to 10%				
Prunus sp. (cultivated cherry tree)	1% to 10%				
Robinia pseudo-acacia (black locust)	trace		0-5"		
Cytisus scoparius (Scot's broom)	trace				
Dipsacus sylvestris (teasel)	trace				

## Unit ZF\*009

**Size:** 0.61 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:** Broad flat > 600'

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

**Aspect:** South

**Notes:**

**Visit date: 8/25/2003**

**Ecological Health:** unknown.

**% Tree canopy:** 5%

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

**General Note:**

Prunus sp. is a horticultural cherry.

**Management Note:**

**Eco Note:**

Unit is a mowed grass area with a couple of planted trees. A wall of RUDI2 delineates edges of unit. Land history states that this unit used to be part of the nearby wetland.

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

**Visit Species:**

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Prunus sp. (cultivated cherry tree)	1% to 10%		5-10"		Y
Daucus carota (Queen Anne's lace)	1% to 10%				
Prunus laurocerasus (English laurel)	1% to 10%				
Taraxacum officinale (common dandelion)	1% to 10%				
Acer macrophyllum (bigleaf maple)	trace		0-5"		Y
Pseudotsuga menziesii (Douglas fir)	trace		0-5"		Y
Rubus discolor (Himalayan blackberry)	trace				

## Unit ZF\*010

**Size:** 3.62 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:** South

**Notes:**

**Visit date:** 8/25/2003

**Ecological Health:** Severely Degraded.

**% Tree canopy:** 5%

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

**General Note:**

Pile of ochre colored powdery substance dumped into unit. It appears that people spin donuts with their cars in the area during the wet seasons, leaving tire marks.

**Management Note:**

**Eco Note:**

Unit is a compacted lot invaded by non-native grasses and surrounded by RUDI2.

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

**Visit Species:**

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Agrostis sp. (bentgrass)	50% to 75%	Y			
Festuca arundinacea (tall fescue)	10% to 20%				
Holcus lanatus (velvet grass)	10% to 20%				
Populus balsamifera ssp. trichocarpa (black cott	1% to 10%		0-5"	Y	
Daucus carota (Queen Anne's lace)	1% to 10%				
Hypericum perforatum (common St. John's wort)	1% to 10%				
Trifolium pratense (red clover)	1% to 10%				
Dipsacus sylvestris (teasel)	trace				
Rubus discolor (Himalayan blackberry)	trace				

## Unit ZF\*011

**Size:** 5.32 Acres

**NVCS Class:** Shrubland

**NVCS Subclass:** Deciduous shrubland

**NVCS Group:** Cold-deciduous shrubland

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

**NVCS Ecological System:** CES204.865 North Pacific Deciduous Swamp

**Landform:** Broad flat > 600'

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

**Aspect:** Southeast

**Notes:**

**Visit date:** 8/26/2003

**Ecological Health:** Fair.

**% Tree canopy:** 25%

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

**General Note:**

Loud noise from nearby industry.

**Management Note:**

Remove small ILAQ plants near east edge of plot.

**Eco Note:**

Dense Salix layer with SPDO underneath. Unit is inundated with water during the winter.

**Wetland indicators:** Hydrophilic Vegetation, Drift Lines, Flood Debris, Water Marks.

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

**Visit Species:**

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Solanum dulcamara (bittersweet nightshade)	20% to 50%	Y			
Spiraea douglasii (Douglas' spiraea)	20% to 50%	Y			
Populus balsamifera ssp. trichocarpa (black cott	10% to 20%	Y	5-10"	Y	
Crataegus douglasii (Douglas' black hawthorn)	10% to 20%	Y			
Salix sitchensis (Sitka willow)	10% to 20%	Y			
Rubus discolor (Himalayan blackberry)	10% to 20%				
Robinia pseudo-acacia (black locust)	1% to 10%		10-20"		
Salix xsepulcralis (weeping willow)	1% to 10%		10-20"		
Acer macrophyllum (bigleaf maple)	1% to 10%		5-10"	Y	
Acer platanoides (Norway maple)	1% to 10%		5-10"	Y	
Bidens frondosa (devil's leafy beggarticks)	1% to 10%	1% to 10%			
Crataegus monogyna (European hawthorn)	1% to 10%				
Phalaris arundinacea (reed canarygrass)	1% to 10%				
Polygonum hydropiper (waterpepper)	1% to 10%				
Rosa nutkana (Nootka rose)	1% to 10%				
Salix lucida ssp. lasiandra (Pacific willow)	1% to 10%				
Veronica americana (American brooklime)	1% to 10%				
Veronica scutellata (marsh speedwell)	1% to 10%				
Fraxinus latifolia (Oregon ash)	trace		0-5"	Y	
Circaea alpina (enchanter's-nightshade)	trace				
Ilex aquafolium (English holly)	trace				
Salix scouleriana (Scouler's willow)	trace				

**Unit ZF\*012**

**Size:** 2.09 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:** South

**Notes:**

**Visit date:** 8/25/2003

**Ecological Health:** Severely Degraded.

**% Tree canopy:** 0%

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

**General Note:**

**Management Note:**

Removal of RUDI2 may not be possible without massive cutting and/or spraying.

**Eco Note:**

Unit is a RUDI2 patch bordering an industrial area.

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

**Visit Species:**

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Rubus discolor (Himalayan blackberry)	50% to 75%	Y			



<i>Crataegus douglasii</i> (Douglas' black hawthorn)	1% to 10%
<i>Crataegus monogyna</i> (European hawthorn)	1% to 10%
<i>Cytisus scoparius</i> (Scot's broom)	1% to 10%
<i>Alopecurus pratensis</i> (meadow foxtail)	trace
<i>Cirsium arvense</i> (Canadian Thistle)	trace
<i>Dactylis glomerata</i> (orchard grass)	trace
<i>Dipsacus sylvestris</i> (teasel)	trace
<i>Festuca arundinacea</i> (tall fescue)	trace
<i>Holcus lanatus</i> (velvet grass)	trace