



Vegetation Unit Summaries for **Ross Island (RISL)**

Report date: 7/29/2009

'*' = non-native invasive species

Visit data as of: 7/29/2009

Unit RISL*001

Size: 33.66 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 (5 to 10%)

Aspect: North

Notes:

Visit date: 9/18/2003

Ecological Health: Severely Degraded.

% Tree canopy: 55%

% Non-Native Cover: not recorded

General Note:

Green algae is growing on the beach and the adjacent water. People are accessing the island for beach parties--litter confined to beach. Noise from nearby industry surrounds the island.

Management Note:

This unit is dominated by RUDI, CLVI, and RUUR throughout the unit.

Eco Note:

Unit is the northern tip of Ross Island. Invasives and garden escapees dominate the vegetation. ACMA woodland with few natives in the understory.

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

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

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Acer macrophyllum (bigleaf maple)	20% to 50%	Y	10-20"	Y	
Fraxinus latifolia (Oregon ash)	20% to 50%	Y	10-20"	Y	
Clematis vitalba (clematis)	20% to 50%	Y			
Rubus discolor (Himalayan blackberry)	20% to 50%	Y			
Rubus ursinus (trailing blackberry)	20% to 50%	Y			
Symphoricarpos albus (snowberry)	20% to 50%				
Populus balsamifera ssp. trichocarpa (black cott	10% to 20%		20-30"	Y	
Salix lucida ssp. lasiandra (Pacific willow)	10% to 20%				
Alnus rubra (red alder)	1% to 10%		10-20"		
Acer saccharinum (silver maple)	1% to 10%		5-10"	Y	
Prunus avium (sweet pie cherry)	1% to 10%		5-10"	Y	
Robinia pseudo-acacia (black locust)	1% to 10%		0-5"		
Buddleia davidii (butterfly bush)	1% to 10%				
Cornus sericea ssp. sericea (red-osier dogwood)	1% to 10%				
Crataegus monogyna (European hawthorn)	1% to 10%				
Cytisus scoparius (Scot's broom)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Verbascum blattaria (moth mullein)	1% to 10%				
Viburnum edule (squashberry)	1% to 10%				

Vitis riparia (riverbank grape)	1% to 10%		
Quercus garryana (Oregon white oak)	trace	0-5"	Y
Anaphalis margaritacea (western pearly-everlasti	trace		
Crataegus douglasii (Douglas' black hawthorn)	trace		
Dipsacus sylvestris (teasel)	trace		
Euthamia occidentalis (western goldenrod)	trace		
Hedera helix (English ivy)	trace		
Polygonum hydropiperoides (mild smartweed)	trace		
Solidago canadensis (Canada meadow goldenrod)	trace		
Tanacetum vulgare (common tansy)	trace		
Toxicodendron diversilobum (poison oak)	trace		
Verbascum thapsus (common flannel mullein)	trace		

Unit RISL*003

Size: 3.99 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: Broad flat > 600'

Slope: Flat (0 to 5%)

Aspect: South

Notes:

Visit date: 9/18/2003

Ecological Health: Poor.

% Tree canopy: 60%

% Non-Native Cover: not recorded

General Note:

Unit had a lot of litter on beach. It also had heavy invasives throughout unit.

Management Note:

This unit has heavy invasives and is very disturbed. The banks of Unit*003 are very steep.

Eco Note:

RISL*003 has some good in natives. POBAT canopy and FRLA regeneration with a RUUR/SYAL shrub layer.

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

Primary Management concerns: Invasives, Soil Contamination, Litter, Large Refuse, Stream Bank Erosion.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Populus balsamifera ssp. trichocarpa (black cott	50% to 75%	Y	20-30 "	Y	
Rubus ursinus (trailing blackberry)	50% to 75%	Y			
Crataegus douglasii (Douglas' black hawthorn)	20% to 50%	Y			
Fraxinus latifolia (Oregon ash)	10% to 20%		10-20 "	Y	
Ilex aquafolium (English holly)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Senecio jacobaea (tansy ragwort)	1% to 10%				
Symphoricarpos albus (snowberry)	1% to 10%				
Clematis vitalba (clematis)	trace				
Crataegus monogyna (European hawthorn)	trace				
Urtica dioica (stinging nettle)	trace				
Viburnum edule (squashberry)	trace				

Unit RISL*004

Size: 15.10 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: Broad flat > 600'
Slope: Flat (0 to 5%)
Aspect: South
Notes:

Visit date: 9/18/2003

Ecological Health: Poor.

% Tree canopy: 60%

% Non-Native Cover: not recorded

General Note:

RISL*004 was a large unit in the middle of Ross Island.

Management Note:

This unit was disturbed and suffered from steep banks and litter as well as heavy invasive infestation.

Eco Note:

This unit was a deciduous forest with some good natives.

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

Primary Management concerns: Invasives, Soil Contamination, Litter, Stream Bank Erosion.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Populus balsamifera ssp. trichocarpa (black cott	50% to 75%	Y	20-30"	Y	
Cornus sericea ssp. sericea (red-osier dogwood)	20% to 50%	Y			
Rubus ursinus (trailing blackberry)	20% to 50%	Y			
Crataegus douglasii (Douglas' black hawthorn)	10% to 20%				
Acer macrophyllum (bigleaf maple)	1% to 10%		5-10"	Y	
Fraxinus latifolia (Oregon ash)	1% to 10%		0-5"	Y	
Clematis vitalba (clematis)	1% to 10%				
Hedera helix (English ivy)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Symphoricarpos albus (snowberry)	1% to 10%				
Urtica dioica (stinging nettle)	1% to 10%				
Alnus rubra (red alder)	trace		5-10"		
Ilex aquafolium (English holly)	trace				

Unit RISL*005

Size: 6.23 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: Broad flat > 600'

Slope: Flat (0 to 5%)

Aspect: South

Notes:

Visit date: 9/18/2003

Ecological Health: Poor.

% Tree canopy: 60%

% Non-Native Cover: not recorded

General Note:

This unit was the end of Ross Island before the two were joined.

Management Note:

Remove invasives and mitigate steep banks.

Eco Note:

There is some good structure and native species in this unit.

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

Primary Management concerns: Invasives, Soil Contamination, Litter.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
<i>Populus balsamifera</i> ssp. <i>trichocarpa</i> (black cott	20% to 50%	Y	20-30"	Y	
<i>Salix lucida</i> ssp. <i>lasiandra</i> (Pacific willow)	20% to 50%	Y		Y	
<i>Cornus sericea</i> ssp. <i>sericea</i> (red-osier dogwood)	10% to 20%				
<i>Fraxinus latifolia</i> (Oregon ash)	1% to 10%		5-10"	Y	
<i>Rubus discolor</i> (Himalayan blackberry)	1% to 10%				
<i>Rubus ursinus</i> (trailing blackberry)	1% to 10%				
<i>Senecio jacobaea</i> (tansy ragwort)	1% to 10%				
<i>Bidens frondosa</i> (devil's leafy beggarticks)		trace			
<i>Hypericum perforatum</i> (common St. John's wort)		trace			
<i>Polygonum hydropiperoides</i> (mild smartweed)		trace			

Unit RISL*006

Size: 2.22 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: Broad flat > 600'

Slope: Flat (0 to 5%)

Aspect: South

Notes:

Visit date: 9/18/2003

Ecological Health: Severely Degraded.

% Tree canopy: 35%

% Non-Native Cover: not recorded

General Note:

This unit was constructed to connect Hard Tack Island and Ross Island. This unit had sediment storage ponds located on the eastside of it.

Management Note:

This unit was constructed of large rock and other coarse material. Soil moisture was low because this unit was well drained and heavily disturbed.

Eco Note:

RISL*005 is degraded because of its soil material and disturbance due to its make up and use.

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

Primary Management concerns: Invasives, Informal Trails.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
<i>Rubus discolor</i> (Himalayan blackberry)	20% to 50%	Y			
<i>Populus balsamifera</i> ssp. <i>trichocarpa</i> (black cott	10% to 20%	Y	10-20"	Y	
<i>Robinia pseudo-acacia</i> (black locust)	10% to 20%	Y	10-20"	Y	
<i>Conium maculatum</i> (poison hemlock)	10% to 20%				
<i>Fraxinus latifolia</i> (Oregon ash)	1% to 10%		0-5"	Y	
<i>Cytisus scoparius</i> (Scot's broom)	1% to 10%				

Unit RISL*007

Size: 6.82 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: Broad flat > 600'

Slope: Flat (0 to 5%)

Aspect: South

Notes:

Visit date: 9/18/2003

Ecological Health: Poor.

% Tree canopy: 65%

% Non-Native Cover: not recorded

General Note:

Risl*007Is at the south end of what is now Ross Island.

Management Note:

This unit needs to have a management plan constructed to deal with invasives, litter and impacts from mining operations.

Eco Note:

Both the canopy and high shrub layer in this unit were in good shape. The forb layer was lacking.

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

Primary Management concerns: Invasives, Litter.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Populus balsamifera ssp. trichocarpa (black cott	20% to 50%	Y	20-30"	Y	
Fraxinus latifolia (Oregon ash)	20% to 50%	Y	10-20"	Y	
Cornus sericea ssp. sericea (red-osier dogwood)	20% to 50%	Y			
Rubus ursinus (trailing blackberry)	20% to 50%	Y			
Urtica dioica (stinging nettle)	10% to 20%				
Acer macrophyllum (bigleaf maple)	1% to 10%		10-20"	Y	
Rubus discolor (Himalayan blackberry)	1% to 10%				
Sambucus racemosa (red elderberry)	1% to 10%				
Cytisus scoparius (Scot's broom)	trace				
Epilobium ciliatum ssp. watsonii (fringed willow)	trace				

Unit RISL*008

Size: 49.14 Acres

NVCS Class: Sparse vegetation

NVCS Subclass: Unconsolidated material sparse vegetation

NVCS Group: Sparsely vegetated sand flats

NVCS SubGroup: Cultural

NVCS Ecological System: unknown

Landform: unknown

Slope: unknown

Aspect: unknown

Notes: 10.2.03 This unit encompasses the major mining operation area and was not surveyed.

Unit RISL*009

Size: 5.47 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: Southeast

Visit date: 9/22/2003

Ecological Health: unknown.
% Tree canopy: unknown
% Non-Native Cover: not recorded

General Note:

Unit is a settling pond with an invasive forb layer (mostly grasses which have lost their seed making them difficult to identify).

Management Note:

THPL and PSME plantings have not survived except for a few.

Wetland indicators: Saturated Soils.

Primary Management concerns: Invasives, Soil Compaction, Utility Infrastructure.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
<i>Pseudotsuga menziesii</i> (Douglas fir)	trace		0-5"		Y
<i>Thuja plicata</i> (western red cedar)	trace		0-5"		
<i>Juncus</i> sp (juncus)	trace				

Unit RISL*011

Size: 2.2 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: Broad flat > 600'
Slope: Flat (0 to 5%)
Aspect: Southeast

Visit date: 9/22/2003

Ecological Health: Poor.
% Tree canopy: 75%
% Non-Native Cover: not recorded

General Note:

Little diversity in unit, mostly POBAT.

Eco Note:

Unit is a dense stand of POBAT regeneration about 10 feet tall.

Primary Management concerns: Invasives, Soil Compaction.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
<i>Populus balsamifera</i> ssp. <i>trichocarpa</i> (black cott	over 75% Y	0-5"		Y	
<i>Tanacetum vulgare</i> (common tansy)	10% to 20%				
<i>Robinia pseudo-acacia</i> (black locust)	1% to 10%		0-5"		
<i>Rubus discolor</i> (Himalayan blackberry)	1% to 10%				

Unit RISL*012

Size: 3.72 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: CES204.869 North Pacific Lowland Riparian Forest and Shrubland

Landform: Other

Slope: Flat (0 to 5%)

Aspect: Southeast

Notes:

Visit date: 9/18/2003

Ecological Health: Severely Degraded.

% Tree canopy: 25%

% Non-Native Cover: not recorded

General Note:

Evidence of past and/or current settling ponds.

Management Note:

Eco Note:

Unit is mostly RUDI2 and POBAT regeneration with a non-native grassy forb layer.

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

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Populus balsamifera ssp. trichocarpa (black cott	20% to 50%	Y	0-5"	Y	
Rubus discolor (Himalayan blackberry)	20% to 50%	Y			
Cytisus scoparius (Scot's broom)	10% to 20%				
Holcus lanatus (velvet grass)	10% to 20%				
Acer macrophyllum (bigleaf maple)	1% to 10%		0-5"	Y	
Pseudotsuga menziesii (Douglas fir)	1% to 10%		0-5"		
Robinia pseudo-acacia (black locust)	1% to 10%		0-5"		
Buddleia davidii (butterfly bush)	1% to 10%				
Cornus sericea ssp. sericea (red-osier dogwood)	1% to 10%				
Crataegus monogyna (European hawthorn)	1% to 10%				
Rosa gymnocarpa (dwarf wood rose)	1% to 10%				
Senecio jacobaea (tansy ragwort)	1% to 10%				
Tanacetum vulgare (common tansy)	1% to 10%				
Dipsacus sylvestris (teasel)	trace				

Unit RISL*013

Size: 10.36 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: Southeast

Notes:

Visit date: 9/18/2003

Ecological Health: Severely Degraded.

% Tree canopy: 60%

% Non-Native Cover: not recorded

General Note:

Noise and debris from mining/construction greatly impact the unit. Juncus species was not identifiable due to the fact that it had already lost its caps.

Management Note:

Invasives dominate - concentrate efforts on beach clean-up.

Eco Note:

Unit consists of a narrow, steep strip of vegetation running along the east side of Ross Island.

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

Primary Management concerns: Invasives, Litter, Large Refuse.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Populus balsamifera ssp. trichocarpa (black cott	20% to 50%	Y	10-20"	Y	
Clematis vitalba (clematis)	20% to 50%	Y			
Rubus discolor (Himalayan blackberry)	20% to 50%	Y			
Fraxinus latifolia (Oregon ash)	10% to 20%		10-20"		
Robinia pseudo-acacia (black locust)	10% to 20%		0-5"	Y	
Cornus sericea ssp. sericea (red-osier dogwood)	10% to 20%				
Cytisus scoparius (Scot's broom)	10% to 20%				
Rubus ursinus (trailing blackberry)	10% to 20%				
Salix lucida ssp. lasiandra (Pacific willow)	10% to 20%				
Acer macrophyllum (bigleaf maple)	1% to 10%		10-20"	Y	
Alnus rubra (red alder)	1% to 10%		5-10"		
Pinus ponderosa (ponderosa pine)	1% to 10%		5-10"		
Prunus avium (sweet pie cherry)	1% to 10%		5-10"		
Rosa gymnocarpa (dwarf wood rose)	1% to 10%				
Salix sitchensis (Sitka willow)	1% to 10%				
Solanum dulcamara (bittersweet nightshade)	1% to 10%				
Symphoricarpos albus (snowberry)	1% to 10%				
Tanacetum vulgare (common tansy)	1% to 10%				
Juncus sp (juncus)	trace				
Rosa pisocarpa (cluster wild peafruit swamp Rose)	trace				

Unit RISL*015

Size: 0.98 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: CES204.869 North Pacific Lowland Riparian Forest and Shrubland

Landform: Other

Slope: Flat (0 to 5%)

Aspect: Southeast

Notes:

Visit date: 9/18/2003

Ecological Health: Severely Degraded.

% Tree canopy: 20%

% Non-Native Cover: not recorded

General Note:

Signs of deer in the unit.

Management Note:

Manage for CYSC and RUDI2.

Eco Note:

Unit is full of invasive shrubs with a POBAT canopy. Unit is close to construction and metal dump.

Wetland indicators: Hydrophilic Vegetation.

Primary Management concerns: Invasives, Soil Compaction.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Cytisus scoparius (Scot's broom)	20% to 50%				
Rubus discolor (Himalayan blackberry)	20% to 50%				
Populus balsamifera ssp. trichocarpa (black cott	10% to 20%	Y	10-20"	Y	
Holcus lanatus (velvet grass)	1% to 10%				
Rosa gymnocarpa (dwarf wood rose)	1% to 10%				
Cirsium vulgare (bull thistle)	trace				
Verbascum thapsus (common flannel mullein)	trace				

Unit RISL*016

Size: 4.02 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: Broad flat > 600'

Slope: Flat (0 to 5%)

Aspect: Southeast

Visit date: 9/22/2003

Ecological Health: Poor.

% Tree canopy: 75%

% Non-Native Cover: not recorded

General Note:

Unit is surrounded on 2 sides by industry and settling ponds. Juncus species was not identifiable due to the fact that it had already lost its caps.

Eco Note:

Unit is dominated by POBAT, much of it regeneration. Dense and shrubby.

Wetland indicators: Hydrophilic Vegetation.

Primary Management concerns: Invasives, Soil Compaction, Utility Infrastructure.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Populus balsamifera ssp. trichocarpa (black cott	over 75% Y	5-10"		Y	
Buddleia davidii (butterfly bush)	10% to 20%				
Salix sitchensis (Sitka willow)	10% to 20%				
Cirsium vulgare (bull thistle)	1% to 10%				
Juncus sp (juncus)	1% to 10%				
Solidago canadensis (Canada meadow goldenrod)	1% to 10%				
Trifolium repens (common clover)	1% to 10%				
Thuja plicata (western red cedar)	trace		0-5"		Y
Cirsium arvense (Canadian Thistle)	trace				
Cytisus scoparius (Scot's broom)	trace				
Lotus corniculatus (birdsfoot trefoil)	trace				
Rubus discolor (Himalayan blackberry)	trace				
Verbascum thapsus (common flannel mullein)	trace				

Unit RISL*017

Size: 5.36 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: Other
Slope: Flat (0 to 5%)
Aspect: Northeast
Notes:

Visit date: 9/18/2003

Ecological Health: Severely Degraded.

% Tree canopy: 80%

% Non-Native Cover: not recorded

General Note:

Noise and mining debris greatly impact unit.

Management Note:

Concentrate efforts on beach cleanup.

Eco Note:

Unit is eastern tip on the north end of Ross Island located near settling ponds and primary mine construction area.

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

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

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Populus balsamifera ssp. trichocarpa (black cott	20% to 50%	Y	10-20"	Y	
Fraxinus latifolia (Oregon ash)	20% to 50%	Y	5-10"	Y	
Cornus sericea ssp. sericea (red-osier dogwood)	20% to 50%	Y			
Rubus ursinus (trailing blackberry)	20% to 50%	Y			
Acer saccharinum (silver maple)	10% to 20%		10-20"		
Clematis vitalba (clematis)	10% to 20%				
Rubus discolor (Himalayan blackberry)	10% to 20%				
Solanum dulcamara (bittersweet nightshade)	10% to 20%				
Alnus rubra (red alder)	1% to 10%		10-20"		
Robinia pseudo-acacia (black locust)	1% to 10%		5-10"		
Aster subspicatus (Douglas' Aster)	1% to 10%				
Buddleia davidii (butterfly bush)	1% to 10%				
Cirsium vulgare (bull thistle)	1% to 10%				
Cytisus scoparius (Scot's broom)	1% to 10%				
Hedera helix (English ivy)	1% to 10%				
Salix lucida ssp. lasiandra (Pacific willow)	1% to 10%				
Symphoricarpos albus (snowberry)	1% to 10%				
Tanacetum vulgare (common tansy)	1% to 10%				
Dipsacus sylvestris (teasel)	trace				
Verbascum thapsus (common flannel mullein)	trace				

Unit RISL*018

Size: 9.02 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: Broad flat > 600'

Slope: Flat (0 to 5%)

Aspect: South

Notes:

Visit date: 9/18/2003

Ecological Health: Fair.

% Tree canopy: 70%

% Non-Native Cover: not recorded

General Note:

RISL*18 consists of East Island. Impacts created by Ross Island sand and gravel are having little effect on East Island.

Management Note:

There are two nonnative trees in RISL*018 (ACSA2).

Eco Note:

The health and structural diversity of this unit is high.

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

Primary Management concerns: Invasives, Litter.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
Cornus sericea ssp. sericea (red-osier dogwood)	50% to 75%	Y			
Fraxinus latifolia (Oregon ash)	20% to 50%	Y	20-30"	Y	
Rubus ursinus (trailing blackberry)	20% to 50%	Y			
Populus balsamifera ssp. trichocarpa (black cott	10% to 20%		20-30"	Y	
Acer saccharinum (silver maple)	1% to 10%		20-30"		
Rubus discolor (Himalayan blackberry)	1% to 10%				
Salix lucida ssp. lasiandra (Pacific willow)	1% to 10%				
Solanum dulcamara (bittersweet nightshade)	1% to 10%				
Symphoricarpos albus (snowberry)	1% to 10%				
Urtica dioica (stinging nettle)	1% to 10%				