



## Vegetation Unit Summaries for **Leach Botanical Garden (LBG)**

Report date: 3/27/2007

'\*' = non-native invasive species

Visit data as of: 3/27/2007

### **Unit rLBG\*17**

**Size:** 0.30 Acres

**NVCS Subclass:** Deciduous woodland

**% Tree canopy:** 55%

**% Non-Native Cover:** 90

**Slope:** na

**Aspect:** na

### **Visit date: 7/6/2006**

**Wetland indicators:** Streams, Hydrophilic Vegetation. (Surface water was present)

**Dominant Trees:** red alder (*Alnus rubra*), bigleaf maple (*Acer macrophyllum*).

**Trees > 20% cover:** Douglas fir (*Pseudotsuga menziesii*).

**Dominant Shrubs:** English ivy (*Hedera helix*\*). **Shrubs > 20% cover:** Himalayan blackberry (*Rubus discolor*\*).

**Additional Invasives:** reed canarygrass (*Phalaris arundinacea*\*), European hawthorn (*Crataegus monogyna*\*), morning glory (*Convolvulus arvensis*\*), herb-Robert (*Geranium robertianum*\*), English laurel (*Prunus laurocerasus*\*), bittersweet nightshade (*Solanum dulcamara*\*).

**Ecological Health:** Poor.

**Primary Management concerns:** heavy level of invasive species, Stream Bank Erosion, Informal Trails.

### **Unit rLBG\*23L**

**Size:** 0.30 Acres

**NVCS Subclass:** Evergreen forest

**% Tree canopy:** 95%

**% Non-Native Cover:** 10

**Slope:** na

**Aspect:** na

### **Visit date: 7/12/2006**

**Wetland indicators:** Streams, Hydrophilic Vegetation. (Surface water was present)

**Dominant Trees:** western red cedar (*Thuja plicata* > 50% cover), Douglas fir (*Pseudotsuga menziesii*).

**Shrubs > 20% cover:** salmonberry (*Rubus spectabilis*).



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**Dominant Forbs:** sword fern (*Polystichum munitum*), piggy-back plant (*Tolmiea menziesii*).

**Additional Invasives:** herb-Robert (*Geranium robertianum*\*), English ivy (*Hedera helix*\*), Norway maple (*Acer platanoides*\*).

**Ecological Health:** Good.

## Unit rLBG\*23R

**Size:** 0.33 Acres

**NVCS Subclass:** Mixed evergreen-deciduous forest

**% Tree canopy:** 80%

**% Non-Native Cover:** 70

**Slope:** na

**Aspect:** na

**Visit date:** 7/7/2006

**Wetland indicators:** Streams, Hydrophilic Vegetation. (Surface water was present)

**Additional Invasives:** herb-Robert (*Geranium robertianum*\*), bishop's goutweed (*Aegopodium podagraria*\*), horsechestnut (*Aesculus hippocastanum*\*), Norway maple (*Acer platanoides*\*), English ivy (*Hedera helix*\*), reed canarygrass (*Phalaris arundinacea*\*), Himalayan blackberry (*Rubus discolor*\*).

**Ecological Health:** Fair.

**Primary Management concerns:** heavy level of invasive species, Stream Bank Erosion.

## Unit rLBG\*24

**Size:** 0.25 Acres

**NVCS Subclass:** Deciduous forest

**% Tree canopy:** 80%

**% Non-Native Cover:** 80

**Slope:** na

**Aspect:** na

**Visit date:** 7/11/2006

**Wetland indicators:** Streams, Hydrophilic Vegetation. (Surface water was present)

**Dominant Trees:** red alder (*Alnus rubra*), bigleaf maple (*Acer macrophyllum*).

**Dominant Shrubs:** English ivy (*Hedera helix*\* > 50% cover), Indian-plum (*Oemleria cerasiformis*), salmonberry (*Rubus spectabilis*).

**Additional Invasives:** Himalayan blackberry (*Rubus discolor*\*), reed canarygrass (*Phalaris arundinacea*\*), bittersweet nightshade (*Solanum dulcamara*\*), morning glory (*Convolvulus arvensis*\*), herb-Robert (*Geranium*



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robertianum\*), English holly (*Ilex aquafolium\**), European hawthorn (*Crataegus monogyna\**), English laurel (*Prunus laurocerasus\**).

**Ecological Health:** Good.

**Primary Management concerns:** heavy level of invasive species, Trampling, Stream Bank Erosion, Informal Trails.

### Unit rLBG\*25

**Size:** 0.20 Acres

**NVCS Subclass:** Mixed evergreen-deciduous forest

**% Tree canopy:** 60%

**% Non-Native Cover:** 90

**Slope:** na

**Aspect:** na

### Visit date: 7/11/2006

**Wetland indicators:** Streams, Hydrophilic Vegetation. (Surface water was present)

**Dominant Trees:** western red cedar (*Thuja plicata*), red alder (*Alnus rubra*).

**Dominant Shrubs:** English ivy (*Hedera helix\** > 50% cover), Himalayan blackberry (*Rubus discolor\**). **Shrubs > 20% cover:** salmonberry (*Rubus spectabilis*).

**Grasses > 20% cover:** reed canarygrass (*Phalaris arundinacea\**).

**Dominant Forbs:** creeping buttercup (*Ranunculus repens* > 50% cover). **Forbs > 20% cover:** spotted orange touch-me-not (*Impatiens capensis*).

**Additional Invasives:** European mountain ash (*Sorbus aucuparia\**), European hawthorn (*Crataegus monogyna\**), English holly (*Ilex aquafolium\**), morning glory (*Convolvulus arvensis\**), clematis (*Clematis vitalba\**), English laurel (*Prunus laurocerasus\**), herb-Robert (*Geranium robertianum\**), Sycamore maple (*Acer pseudoplatanus\**).

**Ecological Health:** Good.

**Primary Management concerns:** heavy level of invasive species, Trampling, Stream Bank Erosion, Informal Trails.

### Unit rLBG\*27

**Size:** 0.19 Acres

**NVCS Subclass:** Deciduous forest

**% Tree canopy:** 70%

**% Non-Native Cover:** 90

**Slope:** na

**Aspect:** na

### Visit date: 7/11/2006



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**Wetland indicators:** Streams, Hydrophilic Vegetation. (Surface water was present)

**Dominant Trees:** red alder (*Alnus rubra*).

**Dominant Shrubs:** Himalayan blackberry (*Rubus discolor*\*).

**Dominant Forbs:** creeping buttercup (*Ranunculus repens* > 50% cover).

**Additional Invasives:** European hawthorn (*Crataegus monogyna*\*), English holly (*Ilex aquafolium*\*), bittersweet nightshade (*Solanum dulcamara*\*), morning glory (*Convolvulus arvensis*\*), English laurel (*Prunus laurocerasus*\*), reed canarygrass (*Phalaris arundinacea*\*), herb-Robert (*Geranium robertianum*\*).

**Ecological Health:** Good.

**Primary Management concerns:** heavy level of invasive species, Trampling, Soil Compaction, Stream Bank Erosion, Informal Trails.