



Vegetation Unit Summaries for **Gabriel Park (GAB)**

Report date: 7/29/2009

'*' = non-native invasive species

Visit data as of: 7/29/2009

Unit GAB*001

Size: 3.66 Acres

NVCS Class: Woodland

NVCS Subclass: Mixed evergreen-deciduous woodland

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

NVCS SubGroup: Cultural

NVCS Ecological System: unknown

Landform: unknown

Slope: unknown

Aspect: unknown

Unit GAB*002

Size: 6.75 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: unknown

Unit GAB*003

Size: 1.74 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: unknown

Slope: unknown

Aspect: unknown

Unit GAB*004

Size: 3.92 Acres

NVCS Class: Woodland

NVCS Subclass: Mixed evergreen-deciduous woodland

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

NVCS SubGroup: Cultural

NVCS Ecological System: unknown

Landform: unknown

Slope: unknown

Aspect: unknown

Unit GAB*005

Size: 2.94 Acres

NVCS Class: Herbaceous

NVCS Subclass: Perennial graminoid vegetation

NVCS Group: Temperate grassland

NVCS SubGroup: Cultural

NVCS Ecological System: unknown

Landform: unknown

Slope: unknown

Aspect: unknown

Unit GAB*006

Size: 3.61 Acres

NVCS Class: Herbaceous

NVCS Subclass: Perennial graminoid vegetation

NVCS Group: Temperate grassland

NVCS SubGroup: Cultural

NVCS Ecological System: unknown

Landform: unknown

Slope: unknown

Aspect: unknown

Unit GAB*007

Size: 17.28 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: unknown

Unit GAB*008

Size: 3.42 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: unknown

Slope: unknown

Aspect: unknown

Unit GAB*009

Size: 1.29 Acres

NVCS Class: Herbaceous

NVCS Subclass: Perennial graminoid vegetation

NVCS Group: Temperate grassland

NVCS SubGroup: Cultural

NVCS Ecological System: unknown

Landform: unknown

Slope: unknown

Aspect: unknown

Unit GAB*010

Size: 1.2 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: unknown

Slope: unknown

Aspect: unknown

Unit GAB*011

Size: 0.56 Acres

NVCS Class: Herbaceous

NVCS Subclass: Perennial graminoid vegetation

NVCS Group: Temperate grassland with a sparse shrub layer

NVCS SubGroup: Cultural

NVCS Ecological System: unknown

Landform: unknown

Slope: unknown

Aspect: unknown

Unit GAB*012

Size: 5.65 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: Gentle (10 to 20%)

Aspect: Northeast

Notes:

Visit date: 9/4/2003

Ecological Health: Poor.

% Tree canopy: 65%

% Non-Native Cover: not recorded

General Note:

Unit is close to housing development.

Management Note:

Eco Note:

Unit has a dense shrub layer and many non-native invasive plants.

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

Primary Management concerns: Invasives, Litter, Informal Trails.

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			
Corylus cornuta (western beaked hazelnut)	20% to 50%				
Polystichum munitum (sword fern)	10% to 20%				
Pseudotsuga menziesii (Douglas fir)	1% to 10%		20-30"		
Thuja plicata (western red cedar)	1% to 10%		10-20"	Y	
Acer platanoides (Norway maple)	1% to 10%		0-5"	Y	
Acer circinatum (vine maple)	1% to 10%				
Berberis nervosa (Oregon grape)	1% to 10%				
Crataegus monogyna (European hawthorn)	1% to 10%				
Ilex aquafolium (English holly)	1% to 10%				
Prunus laurocerasus (English laurel)	1% to 10%				
Rubus discolor (Himalayan blackberry)	1% to 10%				
Taxus brevifolia (Pacific yew)	trace		5-10"		
Prunus avium (sweet pie cherry)	trace		0-5"	Y	
Sorbus aucuparia (European mountain ash)	trace		0-5"		
Clematis vitalba (clematis)	trace				

Unit GAB*013

Size: 4.02 Acres

NVCS Class: Herbaceous

NVCS Subclass: Perennial graminoid vegetation

NVCS Group: Temperate grassland with a sparse shrub layer

NVCS SubGroup: Cultural

NVCS Ecological System: unknown

Landform: unknown

Slope: unknown

Aspect: unknown

Unit GAB*014

Size: 5.09 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: unknown

Unit GAB*017

Size: 9.13 Acres

NVCS Class: Forest

NVCS Subclass: Evergreen forest

NVCS Group: Temperate needle-leaved evergreen forest

NVCS SubGroup: Natural / Semi-natural

NVCS Ecological System: CES204.001 North Pacific Maritime Dry-Mesic Douglas-fir-

Western Hemlock Forest

Landform: Side-hill, Middle 3rd

Slope: Gentle (10 to 20%)

Aspect: Northwest

Notes:

Visit date: 9/4/2003

Ecological Health: Poor.

% Tree canopy: 85%

% Non-Native Cover: not recorded

General Note:

Many off-leash dogs in this area (may be due to the vicinity of the designated off-leash area).

Management Note:

Manage for invasives - especially ILAQ and PRLA.

Eco Note:

Cedar groves have very little vegetation underneath and a lot of soil compaction. There are many sticks and other woody debris in the stream.

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

Primary Management concerns: Invasives, Trampling, Soil Compaction, Domestic Animals, Litter, Stream Bank Erosion, Mountain Bike Impact, Informal Trails.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
<i>Pseudotsuga menziesii</i> (Douglas fir)	20% to 50%	Y	>30"		
<i>Thuja plicata</i> (western red cedar)	20% to 50%	Y	20-30"	Y	
<i>Oemleria cerasiformis</i> (Indian-plum)	20% to 50%	Y			
<i>Geranium robertianum</i> (herb-Robert)	10% to 20%	Y			
<i>Acer macrophyllum</i> (bigleaf maple)	10% to 20%		10-20"		
<i>Corylus cornuta</i> (western beaked hazelnut)	10% to 20%				
<i>Alnus rubra</i> (red alder)	1% to 10%		10-20"		
<i>Prunus avium</i> (sweet pie cherry)	1% to 10%		5-10"	Y	
<i>Taxus brevifolia</i> (Pacific yew)	1% to 10%		5-10"		
<i>Acer platanoides</i> (Norway maple)	1% to 10%		0-5"	Y	
<i>Acer circinatum</i> (vine maple)	1% to 10%				
<i>Berberis nervosa</i> (Oregon grape)	1% to 10%				
<i>Cornus sericea</i> ssp. <i>sericea</i> (red-osier dogwood)	1% to 10%				
<i>Crataegus monogyna</i> (European hawthorn)	1% to 10%				
<i>Hedera helix</i> (English ivy)	1% to 10%				
<i>Ilex aquafolium</i> (English holly)	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>Rubus parviflorus</i> (thimbleberry)	1% to 10%				
<i>Sambucus racemosa</i> (red elderberry)	1% to 10%				
<i>Symphoricarpos albus</i> (snowberry)	1% to 10%				
<i>Vancouveria hexandra</i> (white inside-out-flower)	1% to 10%				
<i>Fraxinus latifolia</i> (Oregon ash)	trace		0-5"	Y	
<i>Sorbus aucuparia</i> (European mountain ash)	trace		0-5"		
<i>Clematis vitalba</i> (clematis)	trace				
<i>Physocarpus capitatus</i> (Pacific ninebark)	trace				
<i>Rhododendron macrophyllum</i> (rhododendron)	trace				

Unit GAB*018

Size: 10.62 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: unknown

Unit GAB*019

Size: 0.82 Acres

NVCS Class: Herbaceous

NVCS Subclass: Perennial graminoid vegetation

NVCS Group: Temperate grassland with a sparse shrub layer

NVCS SubGroup: Cultural

NVCS Ecological System: unknown

Landform: unknown

Slope: unknown
Aspect: unknown

Unit GAB*020

Size: 2.54 Acres
NVCS Class: Herbaceous
NVCS Subclass: Annual graminoid or forb vegetation
NVCS Group: Temperate annual grasslands or forb vegetation
NVCS SubGroup: Cultural
NVCS Ecological System: unknown
Landform: unknown
Slope: unknown
Aspect: unknown

Unit GAB*021

Size: 5.17 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: CES204.002 North Pacific Maritime Wet-Mesic Douglas-fir-

Western Hemlock Forest

Landform: Side-hill, Upper 3rd
Slope: Gentle (5 to 10%)
Aspect: North
Notes:

Visit date: 9/4/2003

Ecological Health: Poor.

% Tree canopy: 80%

% Non-Native Cover: not recorded

General Note:

Unit runs along a busy, noisy road. Species of interest: *Cornus nuttallii*

Management Note:

Dominant invasives include ILAQ, HEHE and RUDI--focus efforts on stream restoration.

Eco Note:

Unit consists of a ravine with a meandering perennial stream. Plant diversity/abundance fairly low due to invasives--bare soil present under THPL thickets.

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

Primary Management concerns: Invasives, Soil Compaction, Domestic Animals, Litter, Large Refuse, Vandalism, Informal Trails.

Visit Species:

	COVER CLASS	DOMINANT	DBH	REGENERATING	PLANTED
<i>Thuja plicata</i> (western red cedar)	20% to 50%	Y	20-30"	Y	
<i>Hedera helix</i> (English ivy)	20% to 50%	Y			
<i>Pseudotsuga menziesii</i> (Douglas fir)	10% to 20%		20-30"		
<i>Acer macrophyllum</i> (bigleaf maple)	10% to 20%		10-20"	Y	
<i>Polystichum munitum</i> (sword fern)	10% to 20%				
<i>Prunus laurocerasus</i> (English laurel)	10% to 20%				
<i>Alnus rubra</i> (red alder)	1% to 10%		10-20"		
<i>Prunus sp.</i> (cultivated cherry tree)	1% to 10%		10-20"		
<i>Acer circinatum</i> (vine maple)	1% to 10%				
<i>Athyrium filix-femina</i> (ladyfern)	1% to 10%				
<i>Cornus sericea ssp. sericea</i> (red-osier dogwood)	1% to 10%				
<i>Corylus avellana</i> (common filbert)	1% to 10%				
<i>Corylus cornuta</i> (western beaked hazelnut)	1% to 10%				
<i>Crataegus monogyna</i> (European hawthorn)	1% to 10%				

Geranium robertianum (herb-Robert)	1% to 10%		
Geum macrophyllum (largeleaf avens)	1% to 10%		
Ilex aquafolium (English holly)	1% to 10%		
Impatiens capensis (spotted orange touch-me-not)	1% to 10%		
Rubus discolor (Himalayan blackberry)	1% to 10%		
Rubus parviflorus (thimbleberry)	1% to 10%		
Tolmiea menziesii (piggy-back plant)	1% to 10%		
Vaccinium parvifolium (red huckleberry)	1% to 10%		
Vancouveria hexandra (white inside-out-flower)	1% to 10%		
Acer platanoides (Norway maple)	trace	0-5"	Y
Cornus nuttallii (Pacific dogwood)	trace	0-5"	
Sorbus aucuparia (European mountain ash)	trace	0-5"	Y
Adenocaulon bicolor (pathfinder)	trace		
Amelanchier alnifolia (serviceberry)	trace		
Veronica americana (American brooklime)	trace		