14 - Gustavus Monro Park

RIDEAU ST

PITTON RD

TAD ST

KALAR RD

1

2

WESTWOOD ST

ALDERBRAE CT

N
S

Polygon Within the Site
Full Site Boundary
Ortho Image ca 2013

Table 14- Gustavus Monro Park

Site 14
Gustavus Monro Park

General Description	This park contains a forest canopy of mature trees (Polygon 1) as well as a more natural area (Polygon 2).
Polygon 1	Park staff cuts the grass in this polygon so there is very little understory. Although the woodlot is small, there are some excellent specimens of mature native trees, with hop hornbeam of particular note. American Beech trees have largely succumbed to Beech Bark disease; small beech thickets sprout from the old tree roots in the understory.
Polygon 2	The canopy is dominated by non-native Black Locust trees. Tree planting was done approximately 6 years ago by PITC and Westlane HS students in this polygon. Small native trees including sugar maple, shagbark hickory and Kentucky coffee tree were planted to infill and provide greater diversity under the Black Locust canopy. These trees are doing well. Six years ago, buckthorn had started to invade polygon 2. Now it dominates the understory.
Recommendations	1. Remove the invasive buckthorn in Polygon 2 to provide more opportunity for native species to grow. After removal of invasive species has occurred, monitoring is necessary to ensure that these plants do not re-establish themselves. The techniques used for the removals shall be tailored to the invasive species being removed and be in accordance with industry standards. 2. Add riparian zone plantings along swale on west side of Polygon 2. 3. Measure and catalogue some of the larger trees in polygon 1 which may be some of the largest of their species type in the city. 4. To raise awareness of the woodland features and functions, informative signage should be put on site. The signage should be installed near a main trail or access point to the woodland.

Figure 1- Polygon 1 area. Credit: NF Nature Club

Gustavus Monro Park Plant Species Inventory

Site Number	Site Name	Polygon	Layer	Species	Abundance	Invasive	Old Growth	Plantation	Federal	Provincial
14	Gustavus Monro Park	1	1	Acer saccharum	r					
14	Gustavus Monro Park	1	1	Carya ovata	r					
14	Gustavus Monro Park	2	1	Fagus grandifolia	o					
14	Gustavus Monro Park	1	1	Fagus grandifolia	d					
14	Gustavus Monro Park	1	1	Malus sp.	r					
14	Gustavus Monro Park	1	1	Ostrya virginiana	o					
14	Gustavus Monro Park	1	1	Prunus avium	r					
14	Gustavus Monro Park	2	1	Prunus serotina	r					
14	Gustavus Monro Park	1	1	Prunus serotina	r					
14	Gustavus Monro Park	1	1	Pyrus communis	r					
14	Gustavus Monro Park	2	1	Quercus alba	r					
14	Gustavus Monro Park	1	1	Quercus bicolor	o					
14	Gustavus Monro Park	1	1	Quercus palustris	o					
14	Gustavus Monro Park	2	1	Quercus rubra	o					
14	Gustavus Monro Park	1	1	Quercus rubra	o					
14	Gustavus Monro Park	2	1	Robinia pseudoacacia	d					
14	Gustavus Monro Park	1	1	Tilia cordata	r					
14	Gustavus Monro Park	2	2	Acer saccharum	o			p		
14	Gustavus Monro Park	2	2	Fraxinus sp.	r					
14	Gustavus Monro Park	2	2	Malus sp.	o					
14	Gustavus Monro Park	2	2	Pyrus communis	r					
14	Gustavus Monro Park	2	3	Amelanchier alnifolia	r			p		
14	Gustavus Monro Park	2	3	Carya ovata	o					
14	Gustavus Monro Park	2	3	Gymnocladus dioicus	r			p		
14	Gustavus Monro Park	2	3	Rhamnus cathartica	d	ai				

Site Number	Site Name	Polygon	Layer	Species	Abundance	Invasive	Old Growth	Plantation	Federal	Provincial
14	Gustavus Monro Park	2	3	Rhus typhina	o			p		
14	Gustavus Monro Park	2	3	Rosa multiflora	a	i				
14	Gustavus Monro Park	2	3	Rubus sp.	a					
14	Gustavus Monro Park	2	3	Rubus sp.	o					
14	Gustavus Monro Park	2	4	Agrimonia gryposepala	o					
14	Gustavus Monro Park	2	4	Fragaria sp.	a					
14	Gustavus Monro Park	2	4	Smilacina racemosa	a					
14	Gustavus Monro Park	2	4	Solanum dulcamara	r					
14	Gustavus Monro Park	2	4	Solidago sp.	o					
14	Gustavus Monro Park	2	4	Verbascum thapsus	o					

Gustavus Monro Park Disturbance Report

Site	Polygon	Disturbance / Extent	Total Score
14 Gustavus Monro Park	1	Alien Species / Extent Of Alien Species	1
14 Gustavus Monro Park	1	Beaver Activity / Extent Of Beaver Activity	0
14 Gustavus Monro Park	1	Browse (e.g. Deer) / Extent Of Browse	0
14 Gustavus Monro Park	1	Disease/Death Of Trees / Extent Of Disease/Death	2
14 Gustavus Monro Park	1	Dumping (rubbish) / Extent Of Dumping	0
14 Gustavus Monro Park	1	Earth Displacement / Extent Of Displacement	0
14 Gustavus Monro Park	1	Fire / Extent Of Fire	0
14 Gustavus Monro Park	1	Flooding (Pools & Puddling) / Extent Of Flooding	0
14 Gustavus Monro Park	1	Gaps In Forest Canopy / Extent Of Gaps	0
14 Gustavus Monro Park	1	Ice Damage / Extent Of Ice Damage	0
14 Gustavus Monro Park	1	Intensity / Extent Of Logging	0
14 Gustavus Monro Park	1	Livestock (Grazing) / Extent Of Livestock	0
14 Gustavus Monro Park	1	Noise / Extent Of Noise	0
14 Gustavus Monro Park	1	Planting (plantation) / Extent Of Planting	0
14 Gustavus Monro Park	1	Recreational Use / Extent Of Recr. Use	1
14 Gustavus Monro Park	1	Sugar Bush Operations / Extent Of Operations	0
14 Gustavus Monro Park	1	Time Since Logging	0
14 Gustavus Monro Park	1	Tracks And Trails / Extent Of Tracks/Trails	0
14 Gustavus Monro Park	1	Wind Throw (blow Down) / Extent Of Wind Throw	0
14 Gustavus Monro Park	2	Alien Species / Extent Of Alien Species	6
14 Gustavus Monro Park	2	Beaver Activity / Extent Of Beaver Activity	0
14 Gustavus Monro Park	2	Browse (e.g. Deer) / Extent Of Browse	0
14 Gustavus Monro Park	2	Disease/Death Of Trees / Extent Of Disease/Death	1
14 Gustavus Monro Park	2	Dumping (rubbish) / Extent Of Dumping	0
14 Gustavus Monro Park	2	Earth Displacement / Extent Of Displacement	0
14 Gustavus Monro Park	2	Fire / Extent Of Fire	0
14 Gustavus Monro Park	2	Flooding (Pools & Puddling) / Extent Of Flooding	0
14 Gustavus Monro Park	2	Gaps In Forest Canopy / Extent Of Gaps	0
14 Gustavus Monro Park	2	Ice Damage / Extent Of Ice Damage	0
14 Gustavus Monro Park	2	Intensity / Extent Of Logging	0
14 Gustavus Monro Park	2	Livestock (Grazing) / Extent Of Livestock	0
14 Gustavus Monro Park	2	Noise / Extent Of Noise	1
14 Gustavus Monro Park	2	Planting (plantation) / Extent Of Planting	0
14 Gustavus Monro Park	2	Recreational Use / Extent Of Recr. Use	1
14 Gustavus Monro Park	2	Sugar Bush Operations / Extent Of Operations	0
14 Gustavus Monro Park	2	Time Since Logging	0
14 Gustavus Monro Park	2	Tracks And Trails / Extent Of Tracks/Trails	2
14 Gustavus Monro Park	2	Wind Throw (blow Down) / Extent Of Wind Throw	0