



# 6 - Mount Carmel Park



Table 6- Mount Carmel Park

## Site 6 Mount Carmel Park

<i>General Description</i>	Mount Carmel Park contains both a park as well as a naturalized area. It is a remnant Carolinian forest in the Shriner's Creek watershed.
<i>Polygon 1</i>	Polygon1 is a well-used park. People walk the paths to go from condos on Thorold Stone Road to stores on Montrose. Three residents mentioned they were hoping that the city would provide them with benches. The playground and tennis courts were also being used. In the short time that the Nature Club visited the site, they noticed a number of people of all ages using the park. Tall white pines were the most impressive trees. Red Maples and some other native species had been planted.
<i>Polygon 2</i>	Polygon 2 is a naturalized area around the creek, containing some native trees and shrubs. Sweetbrier and Multiflora Rose are the most noticeable invasive species, and they are truly abundant. Encroachments where the park met the backyards were noticed, some of which extended almost all the way to the creek. There were tree plantings, mowed lawns, fire pits and gardens. Dumping of garden debris, lumber and other materials had also occurred.
<i>Recommendations</i>	<ol style="list-style-type: none"><li>1. Neighbour encroachments shall be removed from the woodland. In addition to being illegal under the City parks by-law, these encroachments degrade the quality of the natural habitat and may negatively impact the public use of the lands.</li><li>2. Extending the riparian zone around the creek by removing invasive species and planting some native species would improve the area and perhaps the health of the creek.</li><li>3. 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.</li><li>4. Litter and debris should be removed from the woodland. Consideration should be made for the installation of waste receptacles at the entrance to the woodland in a convenient location for both the public and maintenance staff. Natural debris from dead trees shall be left on-site but moved off trails.</li></ol>





Figure 1 – Multiflora rose, which is invasive. Credit: NF Nature Club

# Mount Carmel Park Plant Species Inventory

Legend:

Layer: 1=Canopy(>10M), 2=Sub-Canopy, 3=Understory, 4=Ground Layer

Abundance: r=Rare, o=Occasional, a=Abundant, d=Dominant

Invasive Species: ai=Aggressive Invasive Species, i=Invasive Species

Old Growth: og=Old Growth

Plantation: p=Plantation Species

Federal Status: t=Threatened, v=Vulnerable, sp=Special Concern

Provincial Status: e=Endangered, t=Threatened, v=Vulnerable

Site Number	Site Name	Polygon	Layer	Species	Abundance	Invasive	Old Growth	Plantation	Federal	Provincial
6	Mount Carmel Park	2	1	Acer negundo	o					
6	Mount Carmel Park	1	1	Acer negundo	o			p		
6	Mount Carmel Park	1	1	Acer platanoides	o	i		p		
6	Mount Carmel Park	1	1	Acer rubrum	r			p		
6	Mount Carmel Park	1	1	Acer saccharum	o			p		
6	Mount Carmel Park	1	1	Fraxinus americana	o			p		
6	Mount Carmel Park	2	1	Fraxinus pennsylvanica	o					
6	Mount Carmel Park	2	1	Fraxinus sp.	o					
6	Mount Carmel Park	1	1	Fraxinus sp.	o			p		
6	Mount Carmel Park	1	1	Gleditsia tricanthos var. inermis.	o			p		
6	Mount Carmel Park	1	1	Hibiscus syriacus	r	i		p		
6	Mount Carmel Park	2	1	Juglan nigra	o					
6	Mount Carmel Park	1	1	Metasequoia glyptostroboides	r			p		
6	Mount Carmel Park	2	1	Morus alba	o					
6	Mount Carmel Park	1	1	Picea pungens	o			p		
6	Mount Carmel Park	1	1	Picea sp.	o			p		
6	Mount Carmel Park	1	1	Pinus sp.	o			p		
6	Mount Carmel Park	1	1	Pinus strobus	o			p		
6	Mount Carmel Park	2	1	Prunus avium	o					
6	Mount Carmel Park	2	1	Pyrus communis	r					
6	Mount Carmel Park	2	1	Salix sp.	o					
6	Mount Carmel Park	1	1	Salix sp.	o			p		
6	Mount Carmel Park	1	1	Tilia cordata	o			p		
6	Mount Carmel Park	2	1	Ulmus americana	r					
6	Mount Carmel Park	2	2	Catalpa speciosa	r					

Site Number	Site Name	Polygon	Layer	Species	Abundance	Invasive	Old Growth	Plantation	Federal	Provincial
6	Mount Carmel Park	2	2	Crataegus sp.	r					
6	Mount Carmel Park	2	3	Cornus racemosa	o					
6	Mount Carmel Park	2	3	Cornus stolonifera	o					
6	Mount Carmel Park	2	3	Lonicera tatarica	o	i				
6	Mount Carmel Park	2	3	Rhamnus cathartica	o	ai				
6	Mount Carmel Park	2	3	Rhus typhina	r					
6	Mount Carmel Park	2	3	Rosa eglanteria	a					
6	Mount Carmel Park	2	3	Rosa multiflora	a	i				
6	Mount Carmel Park	2	3	Rubus sp.	a					
6	Mount Carmel Park	2	4	Agrimonia gryposepala	o					
6	Mount Carmel Park	2	4	Alliaria petiolata	o	ai				
6	Mount Carmel Park	2	4	Allium sp.	r					
6	Mount Carmel Park	2	4	Arctium minus	o					
6	Mount Carmel Park	2	4	Erigeron annuus	o					
6	Mount Carmel Park	2	4	Galium aparine	a					
6	Mount Carmel Park	2	4	Geum canadense	o					
6	Mount Carmel Park	2	4	Glechoma hederacea	o					
6	Mount Carmel Park	2	4	Hesperis matronalis	o	ai				
6	Mount Carmel Park	2	4	Lysimachia nummularia	o	i				
6	Mount Carmel Park	2	4	Parthenocissus sp.	o					
6	Mount Carmel Park	2	4	Ranunculus acris	o					
6	Mount Carmel Park	2	4	Solanum dulcamara	o					
6	Mount Carmel Park	2	4	Solidago sp.	a					
6	Mount Carmel Park	2	4	Vitus sp.	a					

## Mount Carmel Park Disturbance Report

Site	Polygon	Disturbance / Extent	Total Score
06 Mount Carmel Park	1	Alien Species / Extent Of Alien Species	4
06 Mount Carmel Park	1	Beaver Activity / Extent Of Beaver Activity	0
06 Mount Carmel Park	1	Browse (e.g. Deer) / Extent Of Browse	0
06 Mount Carmel Park	1	Disease/Death Of Trees / Extent Of Disease/Death	0
06 Mount Carmel Park	1	Dumping (rubbish) / Extent Of Dumping	1
06 Mount Carmel Park	1	Earth Displacement / Extent Of Displacement	0
06 Mount Carmel Park	1	Fire / Extent Of Fire	0
06 Mount Carmel Park	1	Flooding (Pools & Puddling) / Extent Of Flooding	0
06 Mount Carmel Park	1	Gaps In Forest Canopy / Extent Of Gaps	0
06 Mount Carmel Park	1	Ice Damage / Extent Of Ice Damage	0
06 Mount Carmel Park	1	Intensity / Extent Of Logging	0
06 Mount Carmel Park	1	Livestock (Grazing) / Extent Of Livestock	0
06 Mount Carmel Park	1	Noise / Extent Of Noise	1
06 Mount Carmel Park	1	Planting (plantation) / Extent Of Planting	0
06 Mount Carmel Park	1	Recreational Use / Extent Of Recr. Use	4
06 Mount Carmel Park	1	Sugar Bush Operations / Extent Of Operations	0
06 Mount Carmel Park	1	Time Since Logging	0
06 Mount Carmel Park	1	Tracks And Trails / Extent Of Tracks/Trails	9
06 Mount Carmel Park	1	Wind Throw (blow Down) / Extent Of Wind Throw	0
06 Mount Carmel Park	2	Alien Species / Extent Of Alien Species	4
06 Mount Carmel Park	2	Beaver Activity / Extent Of Beaver Activity	0
06 Mount Carmel Park	2	Browse (e.g. Deer) / Extent Of Browse	0
06 Mount Carmel Park	2	Disease/Death Of Trees / Extent Of Disease/Death	0
06 Mount Carmel Park	2	Dumping (rubbish) / Extent Of Dumping	4
06 Mount Carmel Park	2	Earth Displacement / Extent Of Displacement	0
06 Mount Carmel Park	2	Encroachment	6
06 Mount Carmel Park	2	Fire / Extent Of Fire	0
06 Mount Carmel Park	2	Flooding (Pools & Puddling) / Extent Of Flooding	0
06 Mount Carmel Park	2	Gaps In Forest Canopy / Extent Of Gaps	0
06 Mount Carmel Park	2	Ice Damage / Extent Of Ice Damage	0
06 Mount Carmel Park	2	Intensity / Extent Of Logging	0
06 Mount Carmel Park	2	Livestock (Grazing) / Extent Of Livestock	0
06 Mount Carmel Park	2	Noise / Extent Of Noise	1
06 Mount Carmel Park	2	Planting (plantation) / Extent Of Planting	0
06 Mount Carmel Park	2	Recreational Use / Extent Of Recr. Use	4
06 Mount Carmel Park	2	Sugar Bush Operations / Extent Of Operations	0
06 Mount Carmel Park	2	Time Since Logging	0
06 Mount Carmel Park	2	Tracks And Trails / Extent Of Tracks/Trails	0
06 Mount Carmel Park	2	Wind Throw (blow Down) / Extent Of Wind Throw	0