

4 - Shriner's Creek & Woodlot



Table 4- Shriner's Creek and Woodlot

Site 4 Shriner's Creek and Woodlot

<i>General Description</i>	<p><u>Woodlot</u></p> <p>Shriner's Woodlot is located just north of Shriner's Creek between Mount Carmel Blvd and Kalar Rd. It is a mature woodlot with healthy native trees and a well-developed trail consisting of limestone screenings. Properties along Matthews Dr. that back on the woodlot are fenced and there is no noticeable encroachment into the woodlot.</p> <p>The woods are generally wet with drainage flowing from the residential area along Mathews Dr. south towards the creek. In a number of cases, this has created erosion along the trail, with gullies forming where the limestone screening has been washed away. The portion of the trail leading out to Kalar Rd does not have any limestone screening and is fairly muddy.</p> <p><u>Creek Area</u></p> <p>In some places mowing is happening too close to the stream to allow riparian species to grow. Neighbours reported seeing less wildlife now than they did in previous years. There is some garden dumping by residents backing on to the stream.</p>
<i>Polygon 1</i>	<p>The canopy of the woodlot is quite dense with limited light reaching the forest floor. In June 2013, the forest floor was fairly open with a limited number of ground species.</p>
<i>Polygon 2</i>	<p>The trail along the stream is interesting with species not seen in many other Niagara Falls Parks.</p>
<i>Recommendations</i>	<ol style="list-style-type: none">1. Creek Area: Make the boundary clear where backyards end and city property begins, and where residents should not be planting gardens and mowing. Good stewardship practices should be encouraged.2. Woodlot: The well-maintained trail encourages use of the woodlot and also keeps people on the trail, thus limiting the disturbance to the forest floor. Where the trail has been washed out, repair should be considered. Limestone screenings might be considered in the section that goes out to Kalar Rd.3. Removal of invasive species should be done. Priority for removal shall be in areas where there is greater impact on the existing native vegetation. 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.

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- Frog in creek. Credit: NF Nature Club

Shriner's Creek and Woodlot 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
4	Shriners Creek and Woodlot	1	1	Acer saccharum	d					
4	Shriners Creek and Woodlot	1	1	Carya ovata	o					
4	Shriners Creek and Woodlot	1	1	Fagus grandifolia	a					
4	Shriners Creek and Woodlot	1	1	Fraxinus Americana	a					
4	Shriners Creek and Woodlot	1	1	Fraxinus pennsylvanica	o					
4	Shriners Creek and Woodlot	2	1	Gleditsia tricanthos var. inermis.	o					
4	Shriners Creek and Woodlot	2	1	Juglan nigra	r					
4	Shriners Creek and Woodlot	1	1	Juglans nigra	r					
4	Shriners Creek and Woodlot	2	1	Malus sp.	r					
4	Shriners Creek and Woodlot	2	1	Pinus strobus	r					
4	Shriners Creek and Woodlot	2	1	Populus deltoides	o					
4	Shriners Creek and Woodlot	1	1	Populus tremuloides	o					
4	Shriners Creek and Woodlot	1	1	Prunus avium	o					
4	Shriners Creek and Woodlot	1	1	Prunus sertina	o					
4	Shriners Creek and Woodlot	1	1	Quercus palustris	o					
4	Shriners Creek and Woodlot	1	1	Quercus rubra	a					
4	Shriners Creek and Woodlot	2	1	Salix sp.	a					
4	Shriners Creek and Woodlot	1	1	Tilia Americana	a					
4	Shriners Creek and Woodlot	1	1	Ulmus Americana	o					
4	Shriners Creek and Woodlot	2	2	Acer negundo	r					
4	Shriners Creek and Woodlot	2	2	Acer platanoides	r	i				
4	Shriners Creek and Woodlot	1	2	Acer saccharum	o					
4	Shriners Creek and Woodlot	2	2	Betula pendula	r					
4	Shriners Creek and Woodlot	1	2	Carpinus caroliniana	a					

4	Shriners Creek and Woodlot	1	2	Cornus alternifolia	o					
4	Shriners Creek and Woodlot	1	2	Crataegus sp.	o					
4	Shriners Creek and Woodlot	1	2	Fagus grandifolia	a					
4	Shriners Creek and Woodlot	2	2	Fraxinus pennsylvanica	o					
4	Shriners Creek and Woodlot	1	2	Fraxinus sp.	o					
4	Shriners Creek and Woodlot	1	2	Populus alba	o					
4	Shriners Creek and Woodlot	1	2	Prunus sp.	a					
4	Shriners Creek and Woodlot	1	2	Rhamnus cathartica	o	ai				
4	Shriners Creek and Woodlot	2	2	Salix sp.	d					
4	Shriners Creek and Woodlot	1	3	Cornus racemosa	a					
4	Shriners Creek and Woodlot	2	3	Cornus racemosa	o					
4	Shriners Creek and Woodlot	1	3	Cornus stolonifera	o					
4	Shriners Creek and Woodlot	2	3	Cornus stolonifera	o					
4	Shriners Creek and Woodlot	1	3	Lonicera tatarica	o	i				
4	Shriners Creek and Woodlot	2	3	Lonicera tatarica	r	i				
4	Shriners Creek and Woodlot	2	3	Rhamnus cathartica	r	ai				
4	Shriners Creek and Woodlot	2	3	Rhus typhina	o					
4	Shriners Creek and Woodlot	1	3	Ribes sp.	o					
4	Shriners Creek and Woodlot	1	3	Rosa multiflora	o	i				
4	Shriners Creek and Woodlot	1	3	Rubus sp.	o					
4	Shriners Creek and Woodlot	2	3	Rubus sp.	o					
4	Shriners Creek and Woodlot	1	4	Alliaria petiolata	o	ai				
4	Shriners Creek and Woodlot	2	4	Alliaria petiolata	o	ai				
4	Shriners Creek and Woodlot	1	4	Arisaema atrorubens	a					
4	Shriners Creek and Woodlot	2	4	Asclepias syriaca	o					
4	Shriners Creek and Woodlot	2	4	Atriplex patula	r					
4	Shriners Creek and Woodlot	2	4	Bidens frondosa	o					
4	Shriners Creek and Woodlot	2	4	Brassica sp.	r					
4	Shriners Creek and Woodlot	2	4	Calla palustris	r					
4	Shriners Creek and Woodlot	2	4	Chrysanthemum leucanthemum	o					
4	Shriners Creek and Woodlot	2	4	Cicuta maculata	r					
4	Shriners Creek and Woodlot	2	4	Cirsium vulgare	r					
4	Shriners Creek and Woodlot	2	4	Convolvulus sp.	o					
4	Shriners Creek and Woodlot	2	4	Dipsacus sylvestris	o					

4	Shriners Creek and Woodlot	2	4	Elodea canadensis	o					
4	Shriners Creek and Woodlot	2	4	Erigeron philadelphicus	o					
4	Shriners Creek and Woodlot	2	4	Galium aparine	a					
4	Shriners Creek and Woodlot	2	4	Geranium robertianum	r					
4	Shriners Creek and Woodlot	1	4	Impatiens sp.	a					
4	Shriners Creek and Woodlot	2	4	Impatiens sp.	o					
4	Shriners Creek and Woodlot	2	4	Nasturtium officinale	a					
4	Shriners Creek and Woodlot	1	4	Onoclea sensibilis	a					
4	Shriners Creek and Woodlot	1	4	Parthenocissus sp.	o					
4	Shriners Creek and Woodlot	2	4	Parthenocissus sp.	o					
4	Shriners Creek and Woodlot	2	4	Phragmites	d	ai				
4	Shriners Creek and Woodlot	2	4	Phytolacca americana	r					
4	Shriners Creek and Woodlot	2	4	Pilea pumila	a					
4	Shriners Creek and Woodlot	1	4	Podophyllum peltatum	a					
4	Shriners Creek and Woodlot	2	4	Potamogeton sp.	a					
4	Shriners Creek and Woodlot	1	4	Polygonum sp.	o					
4	Shriners Creek and Woodlot	1	4	Rhus radicans	o					
4	Shriners Creek and Woodlot	1	4	Smilacina racemosa	o					
4	Shriners Creek and Woodlot	2	4	Solanum dulcamara	o					
4	Shriners Creek and Woodlot	2	4	Solidago sp.	o					
4	Shriners Creek and Woodlot	2	4	Tovara virginiana	o					
4	Shriners Creek and Woodlot	1	4	Trillium grandiflorum	o					
4	Shriners Creek and Woodlot	2	4	Typha sp.	o					
4	Shriners Creek and Woodlot	2	4	Verbascum blattaria	r					
4	Shriners Creek and Woodlot	1	4	Vitis sp.	a					
4	Shriners Creek and Woodlot	2	4	Vitis sp.	r					

Shriner's Creek and Woodlot Disturbance Report

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