

11 - Fernwood Woodlot



Table 11- Fernwood Woodlot

Site 11 Fernwood Woodlot

<i>General Description</i>	<p>The Niagara Falls Nature Club noticed the following during their visit: encroachments from residents bordering the woodlot, extensive dumping of garden debris and some dumping of garbage and building materials. Many of the Beech trees were dead or dying. There were many trees blown or fallen over. Although there were some invasive species, there weren't a significant amount.</p> <p>On the west edge of the property, button bush communities exist in swampy areas which are wet even into September when other vernal pools on the property have dried up.</p>
<i>Polygon 1</i>	<p>This is a rich woodlot with many large native tree species. Rare species that we found in the woodlot include round-leaved greenbrier, black gum and white wood aster. There are many vernal pools.</p>
<i>Recommendations</i>	<ol style="list-style-type: none">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 lands2. A monitoring program shall be established through working with local stake holders. Management shall include a minimum of one site inspection per year, which determines the level of ecological health and evaluates the degree of external stresses.3. If/when a prominent stress or concern is raised concerning the above woodlot, a reassessment of the appropriate management method to be used for the site will take place.



Figure 1- Vernal Pool at Fernwood. Credit: NF Nature Club



Figure 2- Round-leaved greenbrier. Credit: NF Nature Club

Fernwood 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
11	Fernwood Woodlot	1	1	Acer rubrum	o					
11	Fernwood Woodlot	1	1	Acer saccharinum	o					
11	Fernwood Woodlot	1	1	Acer saccharum	d					
11	Fernwood Woodlot	1	1	Carya ovata	o					
11	Fernwood Woodlot	1	1	Fagus grandifolia	a					
11	Fernwood Woodlot	1	1	Nyssa sylvatica	r					
11	Fernwood Woodlot	1	1	Populus deltoides	r					
11	Fernwood Woodlot	1	1	Prunus serotina	a					
11	Fernwood Woodlot	1	1	Quercus bicolor	o					
11	Fernwood Woodlot	1	1	Quercus palustris	a					
11	Fernwood Woodlot	1	1	Quercus rubra	a					
11	Fernwood Woodlot	1	1	Ulmus americana	o					
11	Fernwood Woodlot	1	2	Carpinus caroliniana	r					
11	Fernwood Woodlot	1	2	Fraxinus pennsylvanica	o					
11	Fernwood Woodlot	1	2	Malus sp.	r					
11	Fernwood Woodlot	1	2	Ostrya virginiana	o					
11	Fernwood Woodlot	1	2	Populus grandidentata	r					
11	Fernwood Woodlot	1	2	Prunus avium	a					
11	Fernwood Woodlot	1	2	Rhamnus cathartica	r	ai				
11	Fernwood Woodlot	1	2	Sassafras albidum	r					
11	Fernwood Woodlot	1	2	Tilia americana	o					
11	Fernwood Woodlot	1	3	Cornus racemosa	d					
11	Fernwood Woodlot	1	3	Fraxinus sp.	r					
11	Fernwood Woodlot	1	3	Hamamelis virginiana	r					
11	Fernwood Woodlot	1	3	Ilex verticillata	r					

Site Number	Site Name	Polygon	Layer	Species	Abundance	Invasive	Old Growth	Plantation	Federal	Provincial
11	Fernwood Woodlot	1	3	Lindera benzoin	a					
11	Fernwood Woodlot	1	3	Rhus typhina	r					
11	Fernwood Woodlot	1	3	Ribes sp.	o					
11	Fernwood Woodlot	1	3	Rosa eglanteria	r					
11	Fernwood Woodlot	1	3	Rosa palustris	r					
11	Fernwood Woodlot	1	3	Rubus hispidus	o					
11	Fernwood Woodlot	1	3	Rubus sp.	a					
11	Fernwood Woodlot	1	3	Viburnum acerifolium	a					
11	Fernwood Woodlot	1	4	Agrimonia gryposepala	o					
11	Fernwood Woodlot	1	4	Alliaria petiolata	o	ai				
11	Fernwood Woodlot	1	4	Arisaema atrorubens	o					
11	Fernwood Woodlot	1	4	Aster cordifolius	o					
11	Fernwood Woodlot	1	4	Aster divaricatus	r					
11	Fernwood Woodlot	1	4	Aster lateriflorus	o					
11	Fernwood Woodlot	1	4	Aster macrophyllus	a					
11	Fernwood Woodlot	1	4	Aster novae-angliae	o					
11	Fernwood Woodlot	1	4	Bidens frondosa	o					
11	Fernwood Woodlot	1	4	Boehmeria cylindrica	o					
11	Fernwood Woodlot	1	4	Bromus sp.	r					
11	Fernwood Woodlot	1	4	Carex crinita	o					
11	Fernwood Woodlot	1	4	Carex intumescens	o					
11	Fernwood Woodlot	1	4	Dactylis glomerata	o					
11	Fernwood Woodlot	1	4	Daucus carota	o					
11	Fernwood Woodlot	1	4	Dryopteris spinulosa	o					
11	Fernwood Woodlot	1	4	Epifagus virginiana	a					
11	Fernwood Woodlot	1	4	Galium aparine	o					
11	Fernwood Woodlot	1	4	Galium palustre	o					
11	Fernwood Woodlot	1	4	Geum sp.	a					
11	Fernwood Woodlot	1	4	Hieracium spp.	o					
11	Fernwood Woodlot	1	4	Impatiens capensis	a					
11	Fernwood Woodlot	1	4	Maianthemum canadense	a					
11	Fernwood Woodlot	1	4	Onoclea sensibilis	a					
11	Fernwood Woodlot	1	4	Parthenocissus sp.	a					

Site Number	Site Name	Polygon	Layer	Species	Abundance	Invasive	Old Growth	Plantation	Federal	Provincial
11	Fernwood Woodlot	1	4	Phalaris arundinacea	r	ai				
11	Fernwood Woodlot	1	4	Podophyllum peltatum	a					
11	Fernwood Woodlot	1	4	Polygonatum pubescens	r					
11	Fernwood Woodlot	1	4	Polygonum persicaria	o					
11	Fernwood Woodlot	1	4	Prenanthes sp.	a					
11	Fernwood Woodlot	1	4	Pteridium aquilinum	o					
11	Fernwood Woodlot	1	4	Ranunculus abortivus	o					
11	Fernwood Woodlot	1	4	Rhus radicans	a					
11	Fernwood Woodlot	1	4	Scirpus cyperinus	o					
11	Fernwood Woodlot	1	4	Sium suave	r					
11	Fernwood Woodlot	1	4	Smilacina racemosa	a					
11	Fernwood Woodlot	1	4	Smilax rotundifolia	o				t	v
11	Fernwood Woodlot	1	4	Smilax tamnoides	o					
11	Fernwood Woodlot	1	4	Solanum dulcamara	o					
11	Fernwood Woodlot	1	4	Solidago sp.	a					
11	Fernwood Woodlot	1	4	Taraxacum officinale	o					
11	Fernwood Woodlot	1	4	Tovara virginiana	o					
11	Fernwood Woodlot	1	4	Trillium sp.	a					
11	Fernwood Woodlot	1	4	Tussilago farfara	o					
11	Fernwood Woodlot	1	4	Vitis sp.	a					

Fernwood Woodlot Disturbance Report

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