

13 - Deerfield Park



Site 13 Deerfield Park

General Description

This park contains a provincially significant wetland consisting of a pond and numerous vernal pools. A swale drains water towards a storm sewer in the southwest corner of the park.

There is a small amount of garbage and indications of past logging; otherwise there are few signs of human disturbance. Some construction debris from housing development has been dumped as well.

Polygon 1

Garlic mustard is present but not currently in large quantities. Many of the Ash trees seem to be dying out.

Recommendations

1. There is a heavy invasion by Phragmites in the southeast corner of the park and along edges of the pond, moving gradually along swale into vernal pools. This should be removed, along with other invasive species.
2. 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.
3. 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.
4. A trail system shall be established to minimize existing and potential impacts from public use. The trail system shall be installed in appropriate (less sensitive) natural areas and allow for public enjoyment.



Figure 1- Wood Frog in vernal pool, Credit: NF Nature Club

Deerfield 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
13	Deerfield Park	1	1	Acer nigrum	r					
13	Deerfield Park	1	1	Acer rubrum	d					
13	Deerfield Park	1	1	Acer saccharum	o					
13	Deerfield Park	1	1	Carya ovate	r					
13	Deerfield Park	1	1	Carya sp.	r					
13	Deerfield Park	1	1	Fagus grandifolia	a					
13	Deerfield Park	1	1	Fraxinus pennsylvanica	o					
13	Deerfield Park	1	1	Prunus serotina	o					
13	Deerfield Park	1	1	Quercus bicolor	a					
13	Deerfield Park	1	1	Quercus palustris	a					
13	Deerfield Park	1	1	Quercus rubra	a					
13	Deerfield Park	1	1	Salix sp.	o					
13	Deerfield Park	1	1	Ulmus americana	a					
13	Deerfield Park	1	1	Ulmus sp.	r					
13	Deerfield Park	1	2	Betula alleghaniensis	r					
13	Deerfield Park	1	2	Carpinus caroliniana	a					
13	Deerfield Park	1	2	Hamamelis virginiana	o					
13	Deerfield Park	1	2	Prunus serotina	o					
13	Deerfield Park	1	2	Rhus typhina	o					
13	Deerfield Park	1	3	Cornus racemosa	a					
13	Deerfield Park	1	3	Lindera benzoin	a					
13	Deerfield Park	1	3	Prunus virginiana	r					
13	Deerfield Park	1	3	Ribes sp.	r					
13	Deerfield Park	1	3	Rubus sp.	a					
13	Deerfield Park	1	3	Sambucus canadensis	o					

Site Number	Site Name	Polygon	Layer	Species	Abundance	Invasive	Old Growth	Plantation	Federal	Provincial
13	Deerfield Park	1	3	Sorbus aucuparia	r					
13	Deerfield Park	1	4	Alliaria petiolata	a	ai				
13	Deerfield Park	1	4	Allium sp.	a					
13	Deerfield Park	1	4	Ambrosia artemisiifolia	o					
13	Deerfield Park	1	4	Arisaema atrorubens	a					
13	Deerfield Park	1	4	Athyrium Filix-femina	o					
13	Deerfield Park	1	4	Boehmeria cylindrica	o					
13	Deerfield Park	1	4	Carex lupulina	a					
13	Deerfield Park	1	4	Equisetum sp.	o					
13	Deerfield Park	1	4	Erythronium americanum	a					
13	Deerfield Park	1	4	Fragaria sp.	o					
13	Deerfield Park	1	4	Impatiens sp.	a					
13	Deerfield Park	1	4	Lycopus uniflorus	r					
13	Deerfield Park	1	4	Maianthemum canadense	a					
13	Deerfield Park	1	4	Onclea sensibilis	a					
13	Deerfield Park	1	4	Phragmites communis	a					
13	Deerfield Park	1	4	Podophyllum peltatum	o					
13	Deerfield Park	1	4	Rhus radicans	a					
13	Deerfield Park	1	4	Smilacina racemosa	a					
13	Deerfield Park	1	4	Smilax herbacea	o					
13	Deerfield Park	1	4	Solidago sp.	a					
13	Deerfield Park	1	4	Vitis sp.	a					

Deerfield Park Disturbance Report

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