



34 - Bowman's Woods (East)

Polygon Within the Site
Full Site Boundary
Ortho Image ca 2013

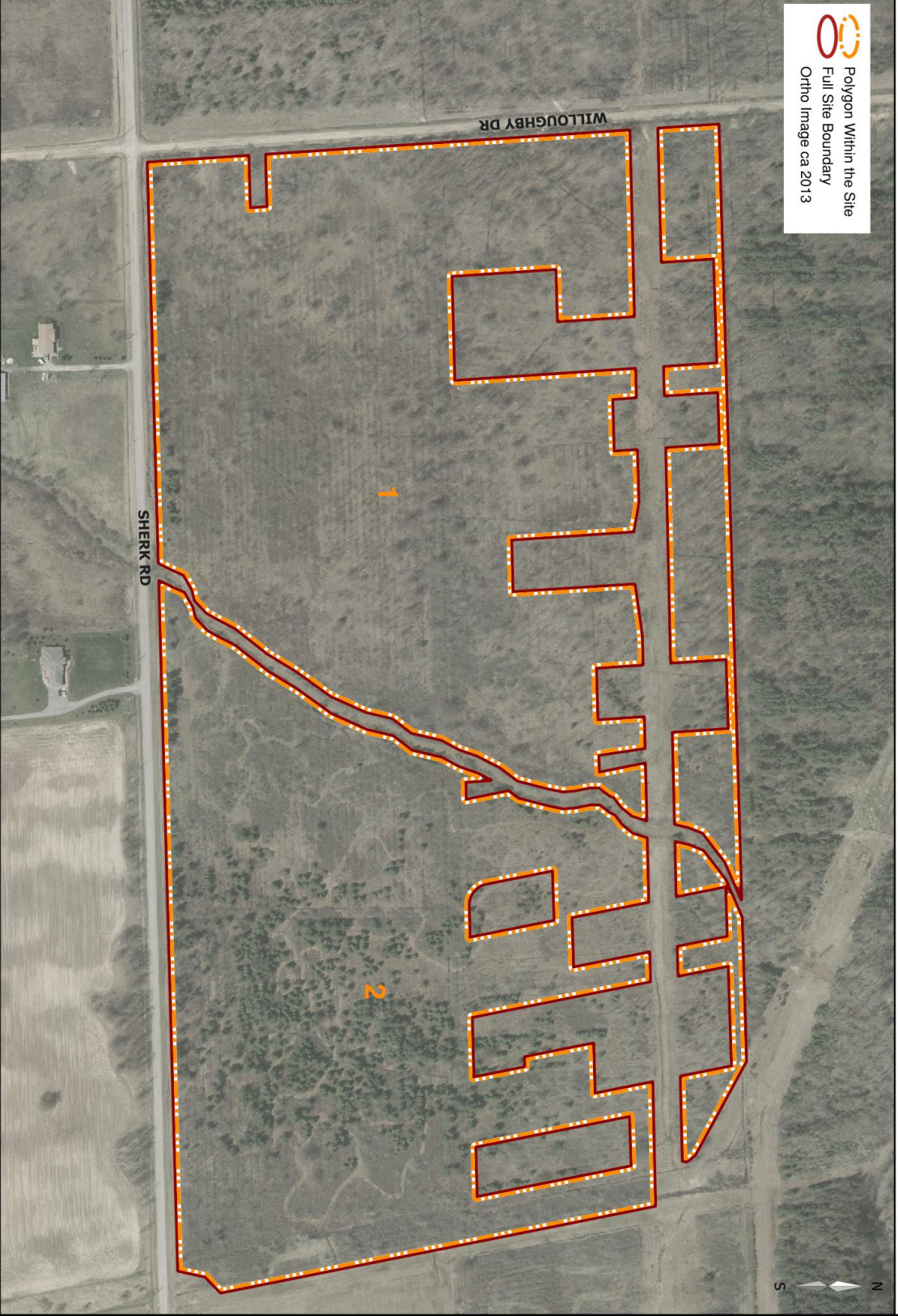


Table 34- Bowman's Woods East

Site 34 Bowman's Woods East

<i>General Description</i>	<p>This area is an extension of Bowman's Woods (West), north of Sherk Rd and east of Willoughby Drive. Boyer's Creek runs diagonally across the property from southwest to northeast. As with Bowman's Woods (East), the property is divided into a large number of rectangles, some of which are owned by the city. This survey did not try to distinguish between these rectangular parcels, but treated the entire property as two polygons.</p> <p>Although described as the Bowman's Woods (East), the Archery Club does not operate in this area east of Willoughby Drive.</p>
<i>Polygon 1</i>	<p>The area west of Boyer's Creek consists primarily of dense shrub vegetation with an open canopy of young scattered trees. The species are similar to those in Bowman's Woods West, except that the vegetation is younger. The density of the shrub vegetation makes access difficult except along a trail running north from Sherk Rd. near the creek. A number of active hunting blinds exist along this trail system. In one location along Willoughby Rd., rubber tires and other refuse has been dumped.</p>
<i>Polygon 2</i>	<p>The area east of Boyer's Creek contains an extensive system of trails.</p>
<i>Recommendations</i>	<ol style="list-style-type: none">1. Removal of garbage/debris2. To raise awareness of the woodland features and functions, and inform users of appropriate uses signage should be put on site. The signage should be installed near a main trail or access point to the woodland.3. A formal marked trail is to be established and excess or environmentally harming trails shall be closed.4. Remove invasive species. 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.



Figure 1- Dense vegetation. Credit: NF Nature Club



Figure 2- Tires that have been dumped. Credit: NF Nature Club

Bowman's Woods East 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
34	Bowman's Woods East	2	1	Acer rubrum	o					
34	Bowman's Woods East	1	1	Acer rubrum	a					
34	Bowman's Woods East	1	1	Acer x freemanii	o					
34	Bowman's Woods East	2	1	Fraxinus pennsylvanica	o					
34	Bowman's Woods East	1	1	Fraxinus pennsylvanica	a					
34	Bowman's Woods East	2	1	Picea sp.	a					
34	Bowman's Woods East	1	1	Picea sp.	r					
34	Bowman's Woods East	1	1	Pinus strobus	r					
34	Bowman's Woods East	2	1	Pinus strobus	a					
34	Bowman's Woods East	2	1	Populus tremuloides	o					
34	Bowman's Woods East	2	1	Pyrus communis	a					
34	Bowman's Woods East	1	1	Pyrus communis	o					
34	Bowman's Woods East	1	1	Quercus bicolor	r					
34	Bowman's Woods East	1	1	Quercus macrocarpa	r					
34	Bowman's Woods East	2	1	Quercus palustris	o					
34	Bowman's Woods East	1	1	Quercus palustris	a					
34	Bowman's Woods East	2	1	Ulmus americana	o					
34	Bowman's Woods East	1	1	Ulmus americana	a					
34	Bowman's Woods East	1	2	Crataegus sp.	o					
34	Bowman's Woods East	2	2	Crataegus sp.	a					
34	Bowman's Woods East	1	2	Frangula alnus	a	ai				
34	Bowman's Woods East	1	2	Juglan nigra	r					
34	Bowman's Woods East	1	2	Pinus banksiana	r					
34	Bowman's Woods East	1	2	Populus tremuloides	r					
34	Bowman's Woods East	2	2	Prunus Americana	r					

Site Number	Site Name	Polygon	Layer	Species	Abundance	Invasive	Old Growth	Plantation	Federal	Provincial
34	Bowman's Woods East	1	2	Rhamnus cathartica	o	ai				
34	Bowman's Woods East	2	2	Rhamnus cathartica	o	ai				
34	Bowman's Woods East	1	2	Salix sp.	o					
34	Bowman's Woods East	1	3	Cornus racemosa	a					
34	Bowman's Woods East	2	3	Cornus racemosa	d					
34	Bowman's Woods East	2	3	Cornus stolonifera	o					
34	Bowman's Woods East	2	3	Frangula alnus	a	ai				
34	Bowman's Woods East	1	3	Ilex verticillata	r					
34	Bowman's Woods East	1	3	Ligustrum vulgare	r	i				
34	Bowman's Woods East	1	3	Lonicera tatarica	r	i				
34	Bowman's Woods East	2	3	Lonicera tatarica	o	i				
34	Bowman's Woods East	1	3	Rhus typhina	r					
34	Bowman's Woods East	1	3	Rosa blanda	o					
34	Bowman's Woods East	2	3	Rosa eglanteria	r					
34	Bowman's Woods East	2	3	Rosa multiflora	a	i				
34	Bowman's Woods East	1	3	Rubus canadensis	o					
34	Bowman's Woods East	2	3	Rubus canadensis	o					
34	Bowman's Woods East	1	3	Rubus hispidus	o					
34	Bowman's Woods East	1	3	Rubus idaeus	o					
34	Bowman's Woods East	2	3	Rubus occidentalis	a					
34	Bowman's Woods East	1	3	Spiraea alba	a					
34	Bowman's Woods East	2	3	Spiraea alba	a					
34	Bowman's Woods East	1	3	Viburnum recognitum	a					
34	Bowman's Woods East	1	4	Achillea millefolium	o					
34	Bowman's Woods East	2	4	Achillea millefolium	a					
34	Bowman's Woods East	2	4	Alisma plantago-aquatica	r					
34	Bowman's Woods East	2	4	Allium vineale	r					
34	Bowman's Woods East	1	4	Apocynum cannabinum	a					
34	Bowman's Woods East	2	4	Apocynum cannabinum	a					
34	Bowman's Woods East	2	4	Arctium minus	o					
34	Bowman's Woods East	2	4	Asclepias incarnata	o					
34	Bowman's Woods East	1	4	Asclepias syriaca	o					
34	Bowman's Woods East	2	4	Asclepias syriaca	a					

Site Number	Site Name	Polygon	Layer	Species	Abundance	Invasive	Old Growth	Plantation	Federal	Provincial
34	Bowman's Woods East	2	4	Aster lateriflorus	a					
34	Bowman's Woods East	1	4	Aster novae-angliae	a					
34	Bowman's Woods East	2	4	Aster novae-angliae	a					
34	Bowman's Woods East	1	4	Aster pilosus	a					
34	Bowman's Woods East	2	4	Aster pilosus	o					
34	Bowman's Woods East	1	4	Aster umbellatus	o					
34	Bowman's Woods East	2	4	Bidens frondosa	o					
34	Bowman's Woods East	2	4	Carex stipata	a					
34	Bowman's Woods East	2	4	Carex vulpinoidea	a					
34	Bowman's Woods East	1	4	Centaurea sp.	o					
34	Bowman's Woods East	2	4	Centaurea sp.	o					
34	Bowman's Woods East	1	4	Cichorium intybus	o					
34	Bowman's Woods East	2	4	Cirsium sp.	o					
34	Bowman's Woods East	1	4	Convolvulus arvensis	o	i				
34	Bowman's Woods East	2	4	Convolvulus arvensis	o	i				
34	Bowman's Woods East	1	4	Dactylis glomerata	o					
34	Bowman's Woods East	1	4	Daucus carota	o					
34	Bowman's Woods East	2	4	Daucus carota	o					
34	Bowman's Woods East	1	4	Dipsacus sylvestris	o					
34	Bowman's Woods East	2	4	Dipsacus sylvestris	a					
34	Bowman's Woods East	1	4	Doellingeria umbellate	o					
34	Bowman's Woods East	1	4	Fragaria sp.	a					
34	Bowman's Woods East	2	4	Fragaria sp.	a					
34	Bowman's Woods East	1	4	Frangula alnus	o	ai				
34	Bowman's Woods East	2	4	Geum sp.	o					
34	Bowman's Woods East	2	4	Impatiens sp.	a					
34	Bowman's Woods East	2	4	Inula helenium	o					
34	Bowman's Woods East	1	4	Juncus effusus	o					
34	Bowman's Woods East	2	4	Juncus effusus	a					
34	Bowman's Woods East	2	4	Juncus sp.	a					
34	Bowman's Woods East	1	4	Juncus tenuis	a					
34	Bowman's Woods East	1	4	Lycopus uniflorus	o					
34	Bowman's Woods East	2	4	Lycopus uniflorus	a					

Site Number	Site Name	Polygon	Layer	Species	Abundance	Invasive	Old Growth	Plantation	Federal	Provincial
34	Bowman's Woods East	1	4	Lysimachia nummularia	o	i				
34	Bowman's Woods East	2	4	Lysimachia nummularia	a	i				
34	Bowman's Woods East	2	4	Onoclea sensibilis	a					
34	Bowman's Woods East	2	4	Panicum sp.	a					
34	Bowman's Woods East	1	4	Parthenocissus sp.	o					
34	Bowman's Woods East	2	4	Parthenocissus sp.	a					
34	Bowman's Woods East	2	4	Phalaris arundinacea	o	ai				
34	Bowman's Woods East	1	4	Phleum pratense	o					
34	Bowman's Woods East	2	4	Phleum pratense	o					
34	Bowman's Woods East	1	4	Phragmites	a	ai				
34	Bowman's Woods East	2	4	Plantago lanceolata	o					
34	Bowman's Woods East	2	4	Plantago major	o					
34	Bowman's Woods East	2	4	Polygonum hydropiperoides	o					
34	Bowman's Woods East	1	4	Polygonum pensylvanicum	o					
34	Bowman's Woods East	2	4	Polygonum pensylvanicum	o					
34	Bowman's Woods East	2	4	Potentilla simplex	o					
34	Bowman's Woods East	1	4	Potentilla sp.	o					
34	Bowman's Woods East	2	4	Prunella vulgaris	o					
34	Bowman's Woods East	1	4	Pycnanthemum virginianum	o					
34	Bowman's Woods East	2	4	Pycnanthemum virginianum	o					
34	Bowman's Woods East	1	4	Rhus radicans	o					
34	Bowman's Woods East	2	4	Rubus flagellaris	a					
34	Bowman's Woods East	2	4	Scirpus atrovirens	o					
34	Bowman's Woods East	1	4	Scirpus cyperinus	o					
34	Bowman's Woods East	2	4	Scirpus cyperinus	o					
34	Bowman's Woods East	1	4	Solidago canadensis	a					
34	Bowman's Woods East	2	4	Solidago canadensis	a					
34	Bowman's Woods East	1	4	Solidago graminifolia	a					
34	Bowman's Woods East	2	4	Solidago graminifolia	o					
34	Bowman's Woods East	1	4	Solidago juncea	o					
34	Bowman's Woods East	2	4	Taraxacum officinale	o					
34	Bowman's Woods East	1	4	Trifolium pratense	o					
34	Bowman's Woods East	1	4	Typha sp.	a					

Site Number	Site Name	Polygon	Layer	Species	Abundance	Invasive	Old Growth	Plantation	Federal	Provincial
34	Bowman's Woods East	2	4	Verbascum thapsus	r					
34	Bowman's Woods East	1	4	Verbena hastata	r					

Bowman's Woods East Disturbance Report

Site	Polygon	Disturbance / Extent	Total Score
34 Bowman's Woods East	1	Alien Species / Extent Of Alien Species	4
34 Bowman's Woods East	1	Beaver Activity / Extent Of Beaver Activity	0
34 Bowman's Woods East	1	Browse (e.g. Deer) / Extent Of Browse	0
34 Bowman's Woods East	1	Disease/Death Of Trees / Extent Of Disease/Death	0
34 Bowman's Woods East	1	Dumping (rubbish) / Extent Of Dumping	2
34 Bowman's Woods East	1	Earth Displacement / Extent Of Displacement	0
34 Bowman's Woods East	1	Fire / Extent Of Fire	0
34 Bowman's Woods East	1	Flooding (Pools & Puddling) / Extent Of Flooding	0
34 Bowman's Woods East	1	Gaps In Forest Canopy / Extent Of Gaps	0
34 Bowman's Woods East	1	Ice Damage / Extent Of Ice Damage	0
34 Bowman's Woods East	1	Intensity / Extent Of Logging	0
34 Bowman's Woods East	1	Livestock (Grazing) / Extent Of Livestock	0
34 Bowman's Woods East	1	Noise / Extent Of Noise	0
34 Bowman's Woods East	1	Planting (plantation) / Extent Of Planting	0
34 Bowman's Woods East	1	Recreational Use / Extent Of Recr. Use	4
34 Bowman's Woods East	1	Sugar Bush Operations / Extent Of Operations	0
34 Bowman's Woods East	1	Time Since Logging	0
34 Bowman's Woods East	1	Tracks And Trails / Extent Of Tracks/Trails	2
34 Bowman's Woods East	1	Wind Throw (blow Down) / Extent Of Wind Throw	0
34 Bowman's Woods East	2	Alien Species / Extent Of Alien Species	4
34 Bowman's Woods East	2	ATVs	4
34 Bowman's Woods East	2	Beaver Activity / Extent Of Beaver Activity	0
34 Bowman's Woods East	2	Browse (e.g. Deer) / Extent Of Browse	1
34 Bowman's Woods East	2	Disease/Death Of Trees / Extent Of Disease/Death	0
34 Bowman's Woods East	2	Dumping (rubbish) / Extent Of Dumping	1
34 Bowman's Woods East	2	Earth Displacement / Extent Of Displacement	0
34 Bowman's Woods East	2	Fire / Extent Of Fire	0
34 Bowman's Woods East	2	Flooding (Pools & Puddling) / Extent Of Flooding	0
34 Bowman's Woods East	2	Gaps In Forest Canopy / Extent Of Gaps	0
34 Bowman's Woods East	2	Ice Damage / Extent Of Ice Damage	0
34 Bowman's Woods East	2	Intensity / Extent Of Logging	0
34 Bowman's Woods East	2	Livestock (Grazing) / Extent Of Livestock	0
34 Bowman's Woods East	2	Noise / Extent Of Noise	0
34 Bowman's Woods East	2	Planting (plantation) / Extent Of Planting	1
34 Bowman's Woods East	2	Recreational Use / Extent Of Recr. Use	4
34 Bowman's Woods East	2	Sugar Bush Operations / Extent Of Operations	0
34 Bowman's Woods East	2	Time Since Logging	0
34 Bowman's Woods East	2	Tracks And Trails / Extent Of Tracks/Trails	3
34 Bowman's Woods East	2	Wind Throw (blow Down) / Extent Of Wind Throw	0