

# **Natural Features of the Kawartha Nordic Ski Club Property**

Kawartha Nordic Ski Club Inc. Property  
Part Lots 12, Concession 6, and Part Lots 11 and 12, Concession 7  
Geographic Township of Burleigh,  
County of Peterborough

Prepared for  
The Kawartha Nordic Ski Club Inc. (KNSC)

**Prepared By:**  
**KNSC Natural Heritage Committee**

**Primary Authors:** David Bell and Mike McMurtry

**Original Maps:** Mark Woolley, Yellow Data Clarity

**Final Edits:** Erin McGauley and Sue Sauve

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## Background Information

This report was generated with direction from the Board of Directors who approved the Terms of Reference for the KNSC Natural Heritage Committee in July 2020 as stated here:

*“The Kawartha Nordic Natural Heritage Committee (the Committee) shall work towards building a Natural Heritage Inventory and recommendations for Land Stewardship for the Kawartha Nordic Ski Club Property and Crown lands used by Kawartha Nordic . The initial focus will be on the Kawartha Nordic property.”*

Extensive field work was conducted by members of the committee and a report prepared by Mike McMurtry and David Bell. The draft report was presented to the Board of Directors in October, 2021. The final report - including new mapping products - is now complete and the KNSC Natural Heritage Committee would be pleased to present it at the 2023 AGM.

## Executive Summary

The Kawartha Nordic Ski Club Inc. (KNSC) owns and manages a 345-acre property along Hwy. 28, north of Eel’s Creek. This report is the product of over 33 field days of volunteer effort, over 28 bird counts, the compilation of roughly **840 species of flora and fauna from iNaturalist** and the confirmed documentation of **12 Species at Risk\*** supported by the property. **Detailed maps of wetlands and ecological communities documented via field work are shown in Figures 2 & 3, contained in this report.**

**The KNSC property is a natural gem made up of forests, wetlands, open rock barrens and meadows. Surveys for this project found that the property supports 356 species of flora and 595 species of wildlife!**

When compared with other properties in the area, these numbers are staggering. The nearby Ingleton-Wells property, for instance, hosts 96 documented plants and 30 animals, whereas Big/Boyd Island supports 361 plants and 68 animals (KLT assessment/inventory reports, personal communication, Thom Unrau, Aug. 2021).

*\*SAR in this count are: Chorus Frog, Snapping Turtle, Midland Painted Turtle, Eastern Wood Pewee, Nighthawk, Black Ash, Barn Swallow, Bald Eagle, Canada Warbler, Wood Thrush, Evening Grosbeak, Monarch Butterfly*

While it is recognized that survey efforts at the above-noted comparison properties varied from the intense survey efforts at KNSC, the results are still remarkable. Owing to this species diversity and the property's relative lack of human disturbance, it is likely that almost all the pre-settlement complement of plants and animals are present.



**Let's begin with the forests.** The forests of the KNSC are comprised of mixed and deciduous tree species, and though there has been logging on the property, there are magnificent older specimens of White Oak, White Ash, Silver Maple, Sugar Maple & Eastern Hemlock.

The KNSC forests are connected to large areas of Crown Land including the Peterborough Crown Game Preserve, Sharpe Bay Fen Conservation Reserve and the Kawartha Highlands Provincial Signature Park. These connections provide movement corridors for wildlife and provide habitat for 'deep woods' or area-sensitive forest species that require extensive forested areas. Woodland area-sensitive birds such as the Ovenbird, Scarlet Tanager and Wood Thrush have been documented at KNSC, and woodland birds of prey (raptors) including Broad-winged Hawk, and Barred Owl nest in KNSC's forests. These species only occur when large woodlands predominate.

The property also contains a rare forest type: one forest stand ('w6' from the Forest Mgmt. Plan) is made up of 18% white oak trees, which is considered rare in this ecoregion. Both White and Red Oaks produce acorns which function as energy-rich winter foods for wildlife. Forests with Red Oaks that produce acorns in quantity are called 'mast producing areas' and are important to wildlife winter survival. Terrestrial Community 11, dominated by Red Oak, is one such important area at KNSC. Finally, the property provides habitat for Ontario's Endangered Black Ash tree, found in forested wetlands. Black ash is a species important to indigenous culture for basket making.



**Ecologically speaking, the KNSC property is diverse! In addition to the forested areas there are large and varied wetlands which store carbon and filter local water. Upland meadows create gaps in the canopy and open rock barrens provide yet another type of habitat.**



**Wetlands:** The size and natural condition of the wetlands at KNSC suggests they would be designated as Provincially Significant, were they formally evaluated via the Ontario Wetland Evaluation System (OWES).

These wetlands provide amphibian breeding habitat, and observations (in W01 & W11) of both Midland Painted Turtles and Snapping Turtles on the property suggest that KNSC provides significant turtle overwintering areas. Outstanding examples of wetland types (those with the least disturbance based on floristic quality) are shown below.

**High Ranking Wetland Types and Sites: Floristic Quality Assessment Scores  $\geq 5.0^*$**

Community Type	Wetland Sites	Details
Community 5	W02, 04, 05, 06, 10	Organic meadow marsh, high species diversity
Community 7	W03	Organic thicket swamp
Community 8	W04 & 06	Open water marsh with organic soils
Community 9	W17	Intolerant hardwood swamp with Black Ash
Community 18	W11	Open water marsh with mineral soil

*\*Analysis based on Mean Coefficient of Conservativism scores, Native & Non-Native Species.*

In addition, fish habitat is found in Wetlands 01, 10 & 11, and fishless ephemeral wetlands (vernal pools) on the property likely provide habitat for amphibians such as salamanders, which have yet to be documented on the property.



**Uplands:** Other habitats on the property include open rock barrens and meadows. Of the upland areas, those with the best condition according to the floristic quality analysis are shown below.

**High Ranking Upland Sites: Floristic Quality Assessment Scores  $>3.8^*$**

Community Type	Upland Site Details
Community 3	Moist Eastern Hemlock Eastern White Cedar forest
Community 12	Dry, Sandy Red Pine – White Pine Conifer forest
Community 15	American Beech, Sugar Maple, Basswood, Red Oak forest

*\*Analysis based on Mean Coefficient of Conservativism scores, Native & Non-Native Species.*



**Species At Risk:** Natural heritage assessments are often the first exercises in documenting special features and compiling nature observations on a property. In the case of the KNSC, the work produced via this report has brought to light the property’s importance in providing **habitat for 12 species at-risk as well as confirmed and candidate significant wildlife habitat.** Additional field efforts are likely to uncover more at-risk species and significant wildlife habitat (which is protected through Provincial policy).

**KNSC Lands are Provincially Important! Field work at the KNSC found both rare species and Provincially significant habitats. Some highlights:**

- **at-risk Snapping Turtles and Chorus Frogs**
- **rare White Oak forests**
- **endangered Black Ash trees**
- **at-risk birds including Evening Grosbeak and Canada Warbler**
- **endangered Monarch butterfly, and**
- **Broad-winged Hawk and Barred Owl nesting sites.**

The key findings of this report, as they relate to Provincial designations, protections and species-at-risk observations are listed in the following table.

**Provincially Designated Species and Habitats at KNSC**

Designation	Site ID	Details / Information Sources
SWH – Turtle Wintering Areas	W01 & W11	Documented presence of Midland Painted and Snapping Turtles
SWH – Mast Producing Area	C11	Red Oak dominated forest community
SWH - Rare Forest Type	C02	Forest Management Plan shows one stand ('w6') with 18% white oak. This aligns with Community 02.
SWH – Woodland Raptor Nesting		Broad-winged Hawk & Barred Owl nesting per Ontario Breeding Bird Atlas

SWH: Habitat for Species of Special Concern		<b>Confirmed on site (subnational rank):</b> Bald Eagle (S2N, S5B) Canada Warbler (S4B) Common Nighthawk (S4B) Eastern Wood Pewee (S4B) Monarch butterfly (S2N, S4B) Snapping Turtle (S4) Wood Thrush (S4B)
Federal SAR: Western Chorus Frog (THR), Evening Grosbeak & Midland Painted Turtle (SC)		<b>Confirmed on site.</b> Species designated by COSEWIC
Habitat of SAR Designated as THR or END: Black Ash tree, Barn Swallow	C19 (Black Ash)	<b>Both confirmed on site.</b> Black Ash exists in C9, C14 & C19, but is the dominant overstory in C19. Swallow nesting habitat to be confirmed.
Habitat of SAR Designated as THR or END: Bobolink, Meadowlark, Cerulean Warbler, Golden Eagle		<b>Species observed on site but with unsuitable or marginal breeding habitat.</b> Breeding or foraging habitat is required for SWH designation.
Potential SAR Habitat		Studies needed to confirm the following species given that suitable breeding habitat/growing conditions exist: Eastern Whip-poor-will, Spotted Turtle, American Ginseng, Eastern Hog-nosed Snake, Blanding's Turtle.
Fish Habitat	W01 W10 W11	Baitfish. Protected waters and connecting waterways (Fisheries Act)



**Human Impacts:** The trails, roads and landscaping activities on the property have brought with them several non-native species that have impacted the condition of adjacent ecological communities. That said, the overall condition of most communities, especially the wetland communities, is very good.

The Natural Features report is presented in the following pages, with more details on the field work, data compilation and analysis of the ecological features of the KNSC.

**In conclusion, the KNSC property supports a variety of habitat types in excellent condition and these large, natural, flourishing systems support flora and fauna, including several at-risk species.**

**Using this report as a springboard, the KNSC could consider creating 'zones' of high sensitivity for wildlife, and identify 'zones' of lower sensitivity, so that human management of the property could best support and celebrate the natural heritage values by not encroaching on the most valuable assets of the land.**

**Building on this report, KNSC could consider engagement with tax exemption programs (managed forests and conservation lands) and partnerships to help further evaluate the area's rich natural heritage features. Partnerships with Kawartha Land Trust's *Partners in Conservation* program as well as the Peterborough Field Naturalists and post-secondary institutions could facilitate the completion of additional studies and inventory work.**

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## **1 Introduction**

Guided by direction from the Kawartha Nordic Ski Club (KNSC) board, several members and other keen naturalists began studying and mapping out the natural features of the KNSC property in 2020. The Kawartha Land Trust has also partnered on this initiative and has contributed mapping support and stewardship advice. Yellow Data Clarity worked with the field-generated data files and created the three main maps of the KNSC property to document wetlands, ecosites and sensitive features. This report presents a summary of the work of all of the organizations and people noted above. The initial products of the work are a description of the ecological communities that are found on the property and a list of plants and animals associated with those communities. In addition, the presence of the following significant natural features on the site were determined:

- a. significant wetlands (including significant coastal wetlands).
- b. significant habitat of endangered or threatened species.
- c. significant Areas of Natural and Scientific Interest (ANSIs).
- d. significant wildlife habitat (SWH); and
- e. fish habitat.

## **2 Site Description**

The Kawartha Nordic Ski Club Inc. property is located at Part Lots 12, Concession 6, and Part Lots 11 and 12, Concession 7 Burleigh Twp. Peterborough County (Fig. 1). The site is approximately 345 acres. The property is in the Eel's Creek watershed, which, in turn, drains to Stoney Lake. The property is surrounded by a number of areas important for conservation. Immediately adjacent to the property are the Peterborough Crown Game Preserve, other Crown lands including the Sharpe Bay Fen Conservation Reserve, the Kawartha Highlands Signature Site Park, and, only about 5 kilometres to the east, Petroglyphs Provincial Park. The property is within the Bancroft Ecodistrict (5E-11, Wester et al. 2018), which is characterized by undulating topography controlled by Precambrian bedrock and a variable layer of acidic morainal material. There are also some areas of base-rich (e.g., marble, calc-silicate) morainal material in this ecodistrict that contribute to diversity of the flora (Wester et al. 2018).

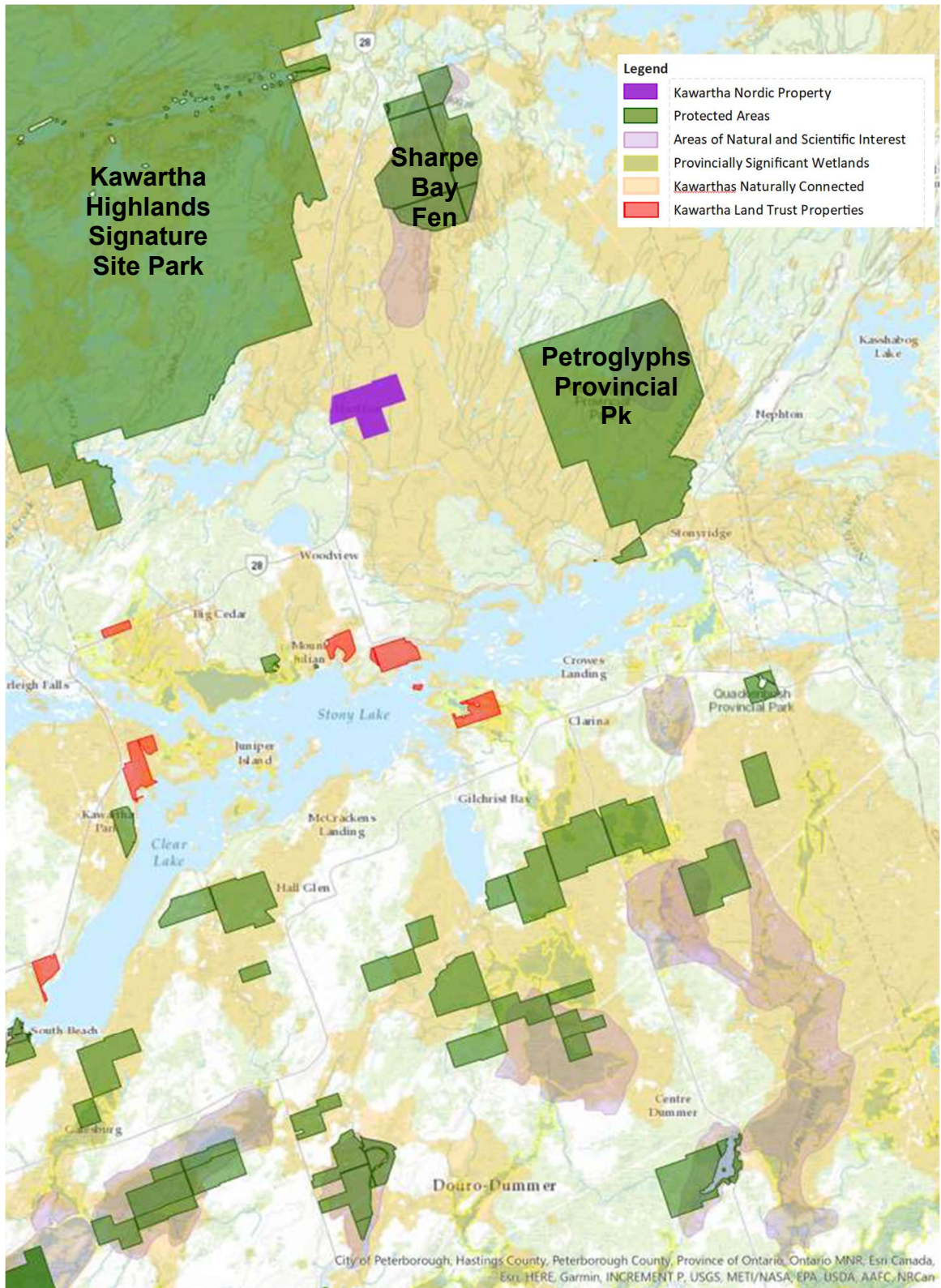


Figure 1: Location of the Kawartha Nordic Ski Club property with nearby protected areas.

The property itself contains a diversity of wetlands and forests. The built features include a club cabin and trailers, a large parking lot and several storage buildings, as well as ski and snowshoe trails. Main trails leading from the cabin, the Beaver and Trillium trails have had a layer of gravel applied to them and the contour has been altered in places.

### 3 Methodology

In addition to personal observations, background information concerning natural environment features was obtained from the following sources:

- The [MNRF Make A Map: Natural Heritage Areas site](#) was used to identify any Natural Heritage Features on or near the site. This site also identified any Species at Risk (SAR) reported in the area.
- [Atlas of the Breeding Birds of Ontario](#) (ABBO) 2001-2005 (Cadman, et al., 2007).
- Site visits were conducted on May 17, 28, June 3, July 10, August 20, 2020 and May 4, 2021. Field observations were used to identify the various species of flora and fauna observed on the property and in the adjacent lands. Also, the habitat was classified to the ecosite level using the following manual:  
OMNR. 2009. Ecological Land Classification field manual – operational draft, April 20th, 2009. Ecological Land Classification Working Group. Ont. Min. Natural. Resources. Unpublished manual. Also, the GLSL Factsheets, 2015.
- Observations from [iNaturalist](#) (Levatich and Ligocki, 2020) and eBird observations from 2020 to May 14, 2021 were also imported into the database. Only observations of species included in the NHIC database were imported.

### 4 Results

#### 4.1 Wetlands

The mapping from MNRF (Make A Map) was used as a baseline and many of the features are shown in Fig. 1. Notably, wetland boundaries identified via the MNRF mapping tool are not very accurate. The following map shows field-verified wetlands, identified as W1-17 shown against an aerial photograph of the site.

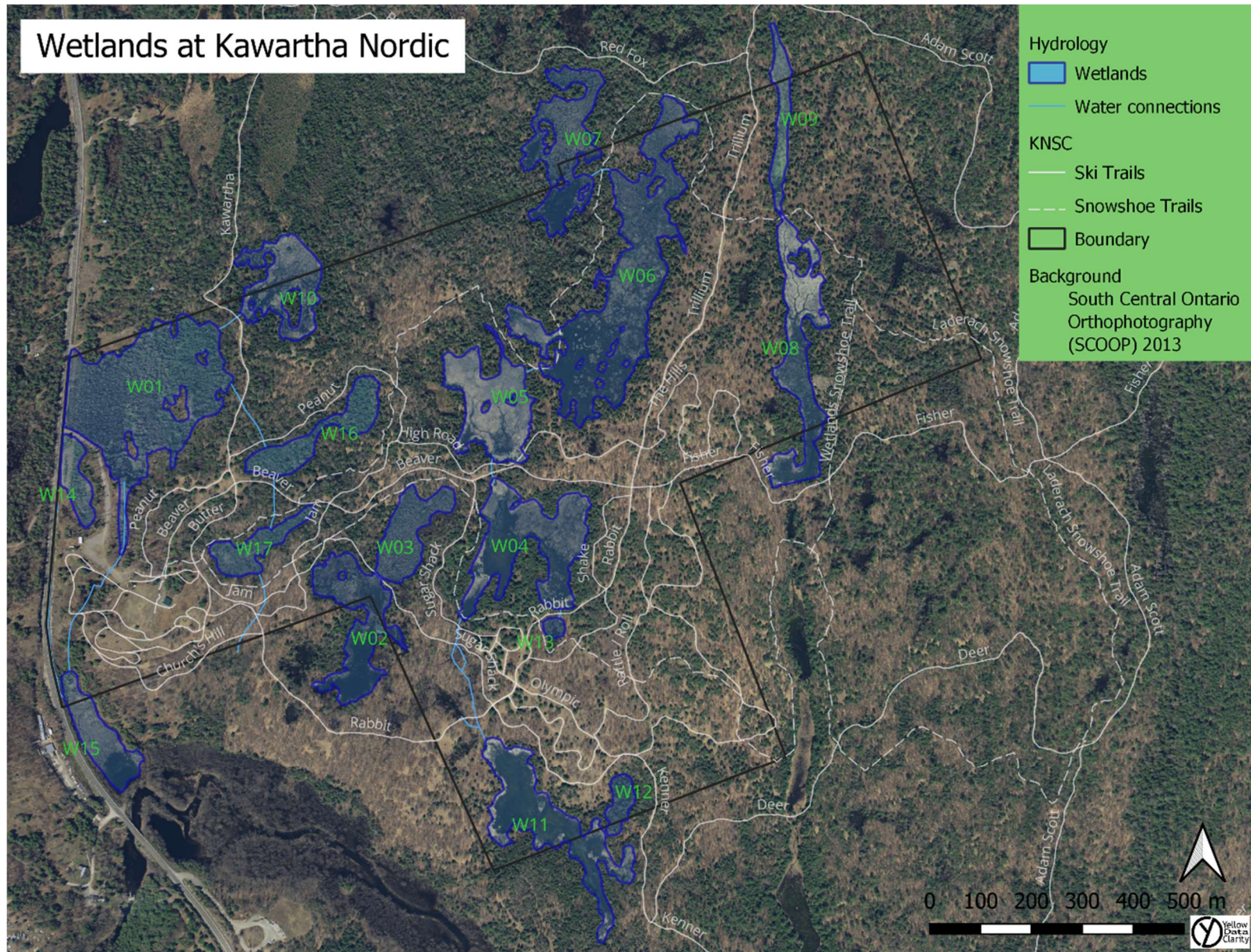


Figure 2: Wetlands at the Kawartha Nordic Ski Club

## 4.2 Ecological Land Classification for Ontario

The Ecological Land Classification for Ontario (ELC), (OMNR 2009) is a comprehensive and consistent approach for ecosystem description, inventory, and interpretation. It provides methods for identifying and mapping valuable Natural Heritage Features and Areas. The ecosite is a mappable landscape unit that reflects a consistent set of environmental factors (e.g., geology and soils) resulting in specific plant communities. The ecosites identified on the property are in the Great Lakes – St. Lawrence Geographic Range, the Georgian Bay Ecoregion 5E and the Bancroft Ecodistrict 5E – 11. Ecosites are those developed for the Great Lakes – St. Lawrence Geographic Range (OMNR 2009). In this report, we use the terms ecosite, ecological community, and community interchangeably.

### 4.2.1 Community Descriptions

The ecological communities of the property were each visited on the ground, mapped out and are described in the following section. Each community is identified by number (C01 = Community 01) and by their Ecological Land Classification technical code (G030N, per OMNR 2009). Figure 3 shows all communities and wetlands on the site along with some key ski trails to help readers orient themselves.

Some ecological communities are found in multiple *locations* on the KNSC property and this is reflected in the community description i.e. Community 08 (Organic Open Water Marsh) is found in Wetlands 1, 4, 6 and 8. And finally, some wetlands are composed of *multiple ecological communities*, such as Wetland 04, which has Open Water Marsh (C08) in deeper areas and Meadow Marsh (C05) in shallower areas.

On the map (Fig. 3), you may also note that areas are coded as 'unsurveyed pockets'. These were islands or wetlands identifiable as communities via aerial photograph interpretation, but not formally surveyed for their ecological composition. Flora documented in each ELC Community is documented and analyzed in Appendix I, while wildlife species observed in each community are listed in Appendices II and III.

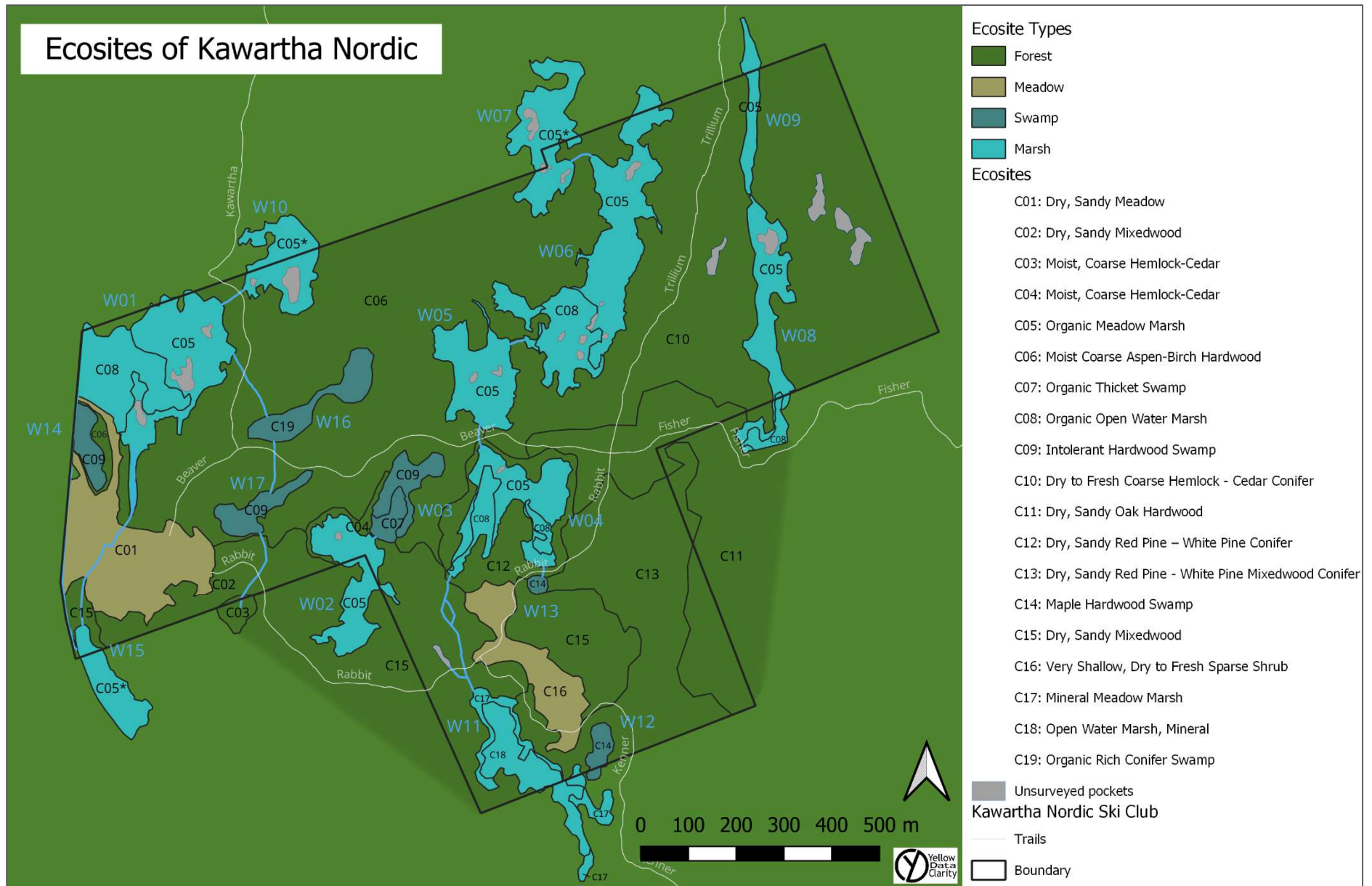


Figure 3: Ecosites and wetlands at the Kawartha Nordic Ski Club.

**Community 01: Dry, Sandy Meadow Ecosite (G030N).**

C01 is an herbaceous (forb and/or graminoid) dominated community. Scattered small, open-grown trees and shrubs are present, however neither exceed 10% absolute cover. Tree species include Sugar Maple, Red Maple, Trembling Aspen, Large-Toothed Aspen, White Ash and Green Ash, Black Cherry, and Bur Oak. Herbaceous species include Poverty Oat Grass, Bracken Fern, and Smooth Brome. Substrate is sandy to coarse loamy, mostly > 15 cm deep and dry to fresh. (Fig. 4).

This community is in the western section of the property where the road, parking area and buildings are located. (Fig. 3). This community, which has been cleared in the past, is maintained by periodic mowing. Although it contains many native species, it also has a large number of non-native species. Since the field survey was done, a large portion of this community has been further disturbed by the addition of a layer of stony fill to a depth of a few centimetres to over a metre. In some areas the fill is contaminated with asphalt.



**Figure 4: Photographs of C01- Dry, Sandy Meadow Ecosite after fill has been applied. Taken on May 4, 2021. Right-hand photo shows some of the original meadow.**

**Community 02 and 15 – Dry, Sandy Mixedwood Ecosite (G043N).**

The hardwood canopy is a mixture of Sugar Maple, American Beech, American Basswood, Red Oak, Bur Oak, White Oak, Paper Birch, and Eastern Hop-hornbeam. Stand composition is highly variable. Understory tree species consists of moderate levels of Sugar Maple, Balsam Fir, Eastern Hop-hornbeam, White Oak and Red Oak. Common understory vegetation includes White-grained Mountain-ricegrass, Maple-leaved Viburnum, Hairy Solomon’s Seal, Long-stalked Sedge, Pennsylvania Sedge,

Hairy Sweet Cicely, Bracken Fern, Prickly Gooseberry, and Marginal Wood Fern. The substrate is sandy, mostly > 15 cm deep and dry (Fig. 5).

C15 is in two parts, both located in the southwest portion of the property. One part is found east of C16, and the other part is west of C16. The portion of C15 to the west of C16 contains the stream flow from W04 to W11. The stream flows through a small wet area which contains very large Silver Maple, White Oak and White Ash trees.

C02 is located to the south of C01 along the southern property boundary (Fig. 3).



**Figure 5: Photograph of C02 - Dry, Sandy Mixedwood Ecosite (G043Tt).**

**Community 03: Moist, Coarse Hemlock-Cedar Ecosite (G066Tl).**

The canopy is composed of > 50% Eastern White Cedar with Eastern Hemlock, Yellow Birch, Sugar Maple, American Elm and Black Ash. Little understory is present. Substrate is sandy to coarse loamy, mostly > 15 cm deep and moist (Fig. 6).

Community C03 is along the southern boundary site, south of C02 (Fig. 3).





**Figure 6: Photograph of C03 - Moist, Coarse Hemlock-Cedar Ecosite**

**Community 04: Moist, Coarse Hemlock-Cedar Ecosite (G066TI)**

The canopy is composed of > 50% Eastern White Cedar, with Balsam Fir, Red Maple, Paper Birch, Sugar Maple, and White Spruce. Understory tree species consisting of moderate levels of Balsam Fir, Yellow Birch, Sugar Maple, and Red Maple. Shrub cover is moderately poor and herb cover is moderately rich (Fig. 7). The substrate is sandy to coarse loamy, mostly > 15 cm deep and moist. C04 is located around the edge of W02 (Fig. 3).



**Figure 7: Photograph of C04 - Moist, Coarse Hemlock-Cedar Ecosite.**

**Community 05: Organic Meadow Marsh Ecosite (G144N)**

**Wetland 01, 02, 04, 05, 06, 08 & 09.**

C05 is dominated by sedges and grasses with some forbs. Herbaceous cover is >50%. A few trees are present including Tamarack, Black Ash, and White Spruce but tree cover does not exceed 10%. Tall shrub cover is  $\leq$  25%. Shrub species include Gray Alder, White Meadowsweet, Meadow Willow and Common Winterberry. Herbaceous species include Lake Sedge, Bristly Sedge, Bluejoint Reedgrass, Swamp Milkweed, Harlequin Blue Flag, Bog Buckbean, Bulb-bearing Water-hemlock, Marsh Cinquefoil, Royal Fern and Marsh Fern. Emergent plants include Broad-leaved Cattail, Cottongrass Bulrush and Soft-stemmed Bulrush. The abundance of Broad-leaved Cattail varies significantly from a few to co-dominant with sedges and grasses. The substrate is organic, deep, and wet to saturated (Fig. 8).

W02 is on the southern boundary and extends off the property to the southwest. W04, W05 and W06 are in the northcentral portion of the property. Wetlands W08 and W09 are to the east. (Fig. 3). Wetlands W07, W10 and W15 were not surveyed but appear to be Organic Meadow Marsh Ecosites as well.



**Figure 8: Photograph of C05 - Organic Meadow Marsh Ecosite.**

**Community 06: Moist Coarse Aspen-Birch Hardwood Ecosite (G070Tt).**

Trembling Aspen, Large-tooth Aspen, and Paper Birch dominate the tree species in the main canopy. Other trees include Sugar Maple, Red Oak, White Oak, Eastern Hop-hornbeam, Balsam Fir, Red Maple, White Ash, Eastern White Cedar, and White Spruce. Understory tree species include Balsam Fir, Sugar Maple, Red Maple, Large-toothed Aspen and Trembling Aspen. Shrub and herb cover moderately rich.

Common understory vegetation includes White-grained Mountain Ricegrass, Canada Fly Honeysuckle, Maple-leaved Viburnum, Downy Arrowwood, Northern Starflower, Wild Sarsaparilla, and Barren Strawberry. The vegetation in this community is highly variable. There are small areas of rock barren, cultural meadow, oak dominated hardwood forest and conifer dominated forest with the associated plant species, however, these areas are too small to be considered a separate ecosite. The substrate is sandy to coarse loamy, mostly > 15 cm deep and moist. (Fig. 9). C06 is found in the northwest section of the property (Fig. 3).



**Figure 9: Photograph of C06 - Moist, Coarse Aspen-Birch Hardwood Ecosite.**

**Community 07: Organic Thicket Swamp Ecosite (G135S)**

**Wetland 03.**

Deciduous shrub cover is  $> 25\%$  and tree cover  $\leq 10\%$ . C07 contains a variable mix of tall and short shrub species including Gray Alder, Meadow Willow, and stunted Black Ash, Tamarack and Freeman Maple. Herb cover is moderately rich and includes Marsh Fern, Marsh Cinquefoil, Bulb-bearing Water-hemlock, Hemlock Water-parsnip, Bog Buckbean, Three-way Sedge, sedges, and grasses including Bluejoint Reedgrass. Emergents include Broad-leaved Cattails, Hard-stemmed Bulrush and Cottongrass Bulrush. Some pockets of standing water are present. The substrate is organic, mostly deep, and wet. (Fig. 10). W03, C07 is northeast of Wetland 02 and separated by a culvert. (Fig. 3).



**Figure 10: Photograph of C07 - Organic Thicket Swamp Ecosite.**

**Community 08: Organic Open Water Marsh Ecosite (G152N).**

**Wetland 01, 04, 06 & 08**

This ecosite is usually dominated by submergent aquatic plant species with  $\leq 25\%$  emergent vegetation and  $\leq 50\%$  floating-leaved vegetation. However, few submergent species were present. Emergent species include Broad-leaved Cattail, Soft-stemmed Bulrush. Floating-leaved species may include Variegated Pond-lily and Floating Pondweed. Water is normally above the substrate surface (less than 2 m deep); however, water levels were extremely low due to dry weather and in some locations the substrate was exposed. The substrate is organic and deep. The moisture regime is saturated. (Fig. 11). C08 is found in W01, W04, W06 and W08 located throughout the property. They are part of a network of wetlands connected by intermittent watercourses (Fig. 3).



**Figure 11: Photograph of C08 – Organic Open Water Marsh Ecosite (in the background).**

**Community 09: Intolerant Hardwood Swamp Ecosite (G130Tt)**

**Wetland 03, 14 & 17.**

The hardwood canopy is dominated by Black Ash with Large-toothed Aspen, Balsam Poplar, Paper Birch, Yellow Birch and Red Maple. Conifer species include Balsam Fir, Eastern White Cedar and White Spruce. Understory tree species consisting of Balsam Fir, Black Ash, Red Maple, Eastern White Cedar and White Spruce. Common understory vegetation includes Bunchberry, Small Enchanter's Nightshade, Dewberry, Goldthread, Creeping Snowberry, Wild Sarsaparilla, Northern Water-horehound, Naked Mitrewort, Common Oak Fern, Marsh Fern. Some standing water is present. Substrate is organic, deep, and very moist to wet. (Fig. 12). W03 is northeast of W02 and W14 is along the west boundary between the access road and Highway 28 (Fig. 3).



**Figure 12: Photograph of C09 - Intolerant Hardwood Swamp Ecosite.**

**Community 10: Dry to Fresh Coarse Hemlock - Cedar Conifer Ecosite (G051Tt).**

The conifer canopy consisting mostly of Eastern White Cedar and White Spruce with Eastern Hemlock and Balsam Fir. Other tree species include Sugar Maple, Red Maple, Northern Red Oak, White Ash, and American Elm. Understory tree species consisting of moderate levels of Balsam Fir, Eastern Hemlock, Red Maple, Sugar Maple, and White Ash. Common understory vegetation includes White-grained Mountain-ricegrass, Bunchberry, Bracken Fern, Large-leafed Aster, Wild-lily-of-the-valley, Wild Sarsaparilla, Northern Starflower, sedges, and other grasses. The vegetation in this community is highly variable. There are small areas of rock barren, cultural meadow with the associated plant species, however, these areas are too small to be shown on the ecosite map. The substrate is sandy to coarse loamy, mostly > 15 cm deep and dry to fresh (Fig. 13). C10 is in the northeast portion of the property (Fig. 3).



**Figure 13: Photograph of C10 - Dry to Fresh Coarse Conifer Ecosite.**

**Community 11: Dry, Sandy Oak Hardwood Ecosite (G041Tt).**

Red Oak dominates > 50% of the hardwood tree species in the main canopy. Other trees include Sugar Maple, White Ash, American Basswood, Eastern Hop-hornbeam, Large-toothed Aspen and Trembling Aspen. Understory trees consisting of Sugar Maple, Eastern Hop-hornbeam, Balsam Fir, and Red Oak. Understory vegetation includes Wild-lily-of-the-valley, Canada Fly Honeysuckle, Beak Hazel, Gay-wing Milkwort, White-grained Mountain-rice, Maple-leaved Viburnum and Wild Sarsaparilla. The substrate sandy, mostly > 15 cm deep and dry (Fig. 14). C11 is in the southeast portion of the property (Fig. 3).





**Figure 14: Photograph of C11 – Dry, Sandy Oak Hardwood Ecosite.**

**Community 12: Dry, Sandy Red Pine – White Pine Conifer Ecosite (G033Tt).**

C12 is mostly conifer (>50% relative cover) and dominated by Eastern White Pine with White Spruce, and Tamarack. Other trees include Paper Birch, Red Maple, American Basswood, Northern Red Oak, and American Elm. Understory tree species consisting of Red Maple, Eastern White Cedar, Eastern White Pine and White Spruce. Understory vegetation includes Hairy Solomon's Seal, White-grained Mountain Ricegrass, Gay-wing Milkwort, Wild Lily-of-the-valley, Wild Sarsaparilla, and Bracken Fern. The substrate is sandy, mostly > 15 cm deep and dry. (Fig. 15). C12 surrounds Wetland 04. (Fig. 3).



**Figure 15: Photograph of C12 – Dry, Sandy Red Pine – White Pine Conifer Ecosite.**

**Community 13 – Dry, Sandy Red Pine – White Pine Mixedwood Conifer Ecosite (G039Tt).**

Hardwoods dominated the canopy. Species include Northern Red Oak, Sugar Maple, White Oak, Bur Oak, Paper Birch, Large-toothed Aspen, Trembling Aspen, White Ash, American Basswood, Eastern Hophornbeam and American Elm. Eastern White Pine are the dominant conifer with White Spruce and Eastern Hemlock. Understory vegetation includes Canada Fly-honeysuckle, Hairy Solomon's Seal, White-grained Mountain Ricegrass, Gay-wing Milkwort, Wild Lily-of-the-valley, Wild Sarsaparilla, and Bracken Fern. The substrate is sandy, mostly > 15 cm deep and dry (Fig. 16). C13 is present in the southeast corner of the property (Fig. 3).



**Figure 16: Photograph of C13 - Dry, Sandy Red Pine – White Pine Mixedwood Ecosite.**

**Community 14: Maple Hardwood Swamp Ecosite (G131Tt).**

**Wetland 12 & 13.**

Maple species compose > 50% of hardwood tree species in the main canopy and include Freeman Maple, and Red Maple. Other trees include Black Ash, Bur Oak, Paper Birch, Balsam Fir, and American Elm. Common understory vegetation includes Red-osier Dogwood, Alder-leaved Buckthorn, Dewberry, Northern Water-horehound, Marsh Fern, Sensitive Fern, sedges, and grasses. Vernal pools and standing water are present. Substrate is organic, mostly deep, and very moist to saturated (Fig. 17). C14 (W12 & W13) is present in the southern portion of the property (Fig. 3).



**Figure 17: Photograph of C14 - Maple Hardwood Swamp Ecosite.**

**Community 16: Very Shallow, Dry to Fresh Sparse Shrub Ecosite (G009S).**

Absolute cover of all shrub species is 10-25%. Scattered small, open-grown trees often present, but do not exceed 10% absolute cover. Vegetation is highly variable consisting of opportunistic, drought tolerant species generally restricted to crevices and areas of shallow substrates. Shrub species include Common Juniper, White Meadowsweet, and Black Raspberry. Common tree species include Eastern White Pine, White Spruce, Bur Oak, White Ash, Eastern Hop-hornbeam, Black Cherry, Pin Cherry, and Balsam Poplar. Herbaceous plants include Poverty Oat Grass, Bracken Fern, Common Mullein, Wild Strawberry, Common Milkweed, Red Columbine, Heart-leaved Aster, Common Viper's Bugloss and Spreading Dogbane. The substrate is sandy, mostly very shallow ( $\leq 15$  cm) and dry to fresh (Fig. 18). C16 is present in the southwest corner of the property (Fig. 3).



**Figure 18: Photograph of C16 - Very Shallow, Dry to Fresh Sparse Shrub Ecosite.**

**Community 17: Mineral Meadow Marsh Ecosite (G142N).**

**Wetland 11.**

C17 is dominated by sedges and grasses. Herbaceous cover is > 50% and anchored to the surface. Herbaceous species include American Sweetflag, Three-way Sedge, Water Smartweed, Broad-leaved Arrowhead, Marsh Fern. and Reed Canary Grass. Emergent species are  $\leq 25\%$  and include Broad-leaved Cattail and Softstemmed Bulrush. The substrate is mineral, mostly deep, and very moist to saturated (Fig. 19). C17 (W11) is in the southwest corner of the property (Fig. 3).



**Figure 19: Photograph of C17 - Mineral Meadow Marsh Ecosite (around the edge) and C18 - Open Water Marsh, Mineral Ecosite (in the center).**

**Community 18: Open Water Marsh, Mineral Ecosite (G151N).**

**Wetland 11**

C18 is dominated by submergent species (*Chara sp.*), and floating-leaved species (Floating-leaved Pondweed). Water is permanently above the substrate surface and less than 2 m deep. Substrate is mineral and deep, and the moisture regime is saturated (Fig. 19). Both Community 17 & 18 comprise Wetland community 11, as shown in the photograph Fig. 19.

**Community 19: Organic Rich Conifer Swamp Ecosite (G129Tt).**

**Wetland 16.**

Conifer canopy consisting mostly of Eastern White Cedar, Balsam Fir, and White Spruce. Deciduous species include Black Ash, Red Maple, American Elm, Paper Birch, and Yellow Birch. Rich swamp indicators include Alder-leaved Buckthorn and Common Oak Fern are present. Understory tree species consisting of moderate

levels of Balsam Fir, Eastern White Cedar, and Black Ash. Common understory vegetation includes Naked Mitrewort, Small Enchanter's Nightshade, False Nettle, Crested Wood Fern, Royal Fern, Bunchberry, Norther Starflower, Goldthread, Northern Water-horehound. The substrate is organic, deep (> 40 cm) organic material and include shallow organic material over bedrock, and wet or saturated (Fig. 20). C19 is present in the northwest portion of the property (Fig. 3).



**Figure 20: Photograph of C19 - Organic Rich Conifer Swamp Ecosite.**

#### **4.2.2 Flora Inventory by Area and ELC Ecosite**

A total of 356 species of flora have been identified on the property. An analysis of flora was completed in Appendix I and a list of flora by community and ELC ecosite is included in Appendix II. The scientific and common names used for the flora in this report are consistent with those used by the Natural Heritage Information Centre (NHIC).

### 4.2.3 Floristic Quality Assessment by Area and ELC Vegetation Type

The Floristic Quality Assessment (FQA) provides an indication of the ecological condition of each community by summarizing the score for each species present in the community (Table 1, Appendix I). Five species identified during fieldwork were not present on the FQA list and so could not be included in this analysis. These species were, however, included in the species rarity list (Appendix IV). The Mean Coefficient of Conservatism scores for all areas varies from 2.2 to 7.0. A plant species with a higher score (e.g. 10) has a lower tolerance to environmental degradation such as overgrazing or development and therefore is found in undisturbed, natural habitats. Non-native plants reduce the overall scores, since they can persist in disturbed or marginal habitat. Consequently, the higher the Mean Coefficient of Conservatism, the more undisturbed the habitat is. Many of the communities on the property are in excellent condition in the context of settled southern Ontario.

**Some of the upland communities having the best condition according to this analysis were Community 3, a Moist Hemlock - White Cedar forest; Community 12, a Dry Sandy Conifer forest; and Community 15, a Dry Sandy Mixedwood forest.** The most disturbed communities, not surprisingly, were those adjacent the parking lot and buildings: Community 1, the dry, sandy meadow ecosite and Community 16, a dry, sparse shrubby ecosite had the lowest scores, reflecting the clearing of trees and the increased likelihood of non-native species invading open, unshaded communities. Nevertheless, even the communities in a somewhat disturbed condition provide habitat for a variety of native plants and animals.

Wetlands were generally in a less-disturbed condition than upland communities, probably because they have not been subject to logging and they are less likely to receive non-native species through foot and vehicle traffic, or the introduction of landscaping materials. **Wetlands having the highest scores were Community 5, an organic meadow marsh with a high level of species diversity; Community 7, an organic thicket swamp; Community 8, an open water marsh with organic soils; Community 9, an intolerant hardwood swamp with endangered Black Ash trees; and Community 18, an open-water marsh.**



The parking lot, trails and roads that have been used for logging and for recreation have been a vector for a variety of non-native species on the property. The weediness scores in Table 1 offer another means of assessing the level of human impact on the ecological communities and are generally in accordance with the results already presented for the Floristic Quality Index.

**Table 1: Floristic Quality Assessment Summary.**

Map Reference and ELC Community	Species Counts					Mean Coeff. Cons.		Total Weediness	Mean Wetness
	Total	Native	(%)	Non-Native	(%)	Natives only	Natives and Non-Natives		
C01 N/A	68	42	62	26	38	3.5	2.2	-41	2.8
C02 N/A	60	51	85	9	15	4.5	3.8	-15	1.8
C03 N/A	15	14	93	1	7	5.2	4.9	-2	0.6
C04 N/A	44	37	84	7	16	3.8	3.2	-11	0.4
C06 N/A	101	86	85	15	15	4.5	3.8	-24	1.5
C10 N/A	48	39	81	9	19	4.5	3.6	-17	1.5
C11 N/A	44	37	84	7	16	4.1	3.5	-12	2.8
C12 N/A	17	17	100	0	0	4.3	4.3		1.6
C13 N/A	54	43	80	11	20	4.1	3.3	-17	2.7
C15 N/A	20	18	90	2	10	4.3	3.9	-4	3.3
C16 N/A	43	32	74	11	26	3.2	2.4	-20	2.6
iNaturalist N/A	229	184	80	45	20	4.6	3.7	-70	0.3
Misc. N/A	23	20	87	3	13	4.7	4.0	-6	2.3
W01C05 N/A	27	26	96	1	4	4.2	4.0	-2	-4.1
W01C08 N/A	40	37	93	3	8	3.7	3.5	-4	-0.5
W02C05 N/A	17	17	100	0	0	5.8	5.8		-3.7
W03C07 N/A	18	17	94	1	6	5.6	5.3	-3	-4.6
W03C09 N/A	21	21	100	0	0	4.8	4.8		-3.0
W04C05 N/A	25	24	96	1	4	4.7	4.5	-2	-3.8
W04C08 N/A	14	14	100	0	0	5.1	5.1		-4.7
W05C05 N/A	26	25	96	1	4	5.8	5.5	-3	-4.1
W06C05 N/A	25	23	92	2	8	5.5	5.1	-5	-4.4
W06C08 N/A	2	2	100	0	0	7.0	7.0		-5.0
W08C05 N/A	10	10	100	0	0	4.5	4.5		-4.8
W08C08 N/A	3	3	100	0	0	4.7	4.7		-5.0
W10C05 N/A	51	50	98	1	2	5.4	5.3	-2	-2.9
W11C17 N/A	10	9	90	1	10	4.4	4.0	-3	-4.7
W11C18 N/A	1	1	100	0	0	5.0	5.0		-5.0
W12C14 N/A	12	12	100	0	0	4.6	4.6		-3.7
W13C14 N/A	15	15	100	0	0	4.5	4.5		-2.6
W14C09 N/A	7	7	100	0	0	4.1	4.1		-3.4
W16C19 N/A	37	35	95	2	5	5.2	4.9	-4	-1.7
W17C09 N/A	38	38	100	0	0	5.2	5.2		-1.4

The complete list of flora species arranged according to S-Rank is included in Appendix IV. Black Ash and Butternut, both at-risk tree species, are detailed in a later report section on Threatened and Endangered Species. All other species of flora identified on site are listed as S4, S4?, S4S5, S5, S5? meaning that all the species are considered as native and common or abundant and secure within the province. Species ranked as SNA are not native to Ontario.

#### **4.2.4 Fauna Species Lists by Area and ELC Vegetation Type**

A total of 595 species of fauna arranged according to S-Rank were identified on the property. An additional 47 species were identified but were not included in the database because they are not included in the NHIC database. The list of fauna species by community and ELC ecosite is included in Appendix II. Although the avian fauna is listed by community and ELC ecosite, it does not imply that they are breeding. Some species may have been migrating through and others were observed soaring over (e.g., Turkey Vulture) while the observer was in a specific area.

The complete list of fauna arranged according to S-Rank is included in Appendix IV. The additional 47 species not included in the database are listed in Table 2. Four insects listed as S1, S1?, S3? and S3S4 were identified but are not designated by SARO or COSEWIC. Golden Eagle, listed as S2B, is designated an END species. Barn Swallow and Bobolink are listed as S4B, and designated THR species. The following species are all designated as Special Concern (SC) by SARO: Bald Eagle (S2N, S5B), Canada Warbler (S4B), Common Nighthawk (S4B), Eastern Wood Pewee (S4B), Monarch butterfly (S2N, S4B), Snapping Turtle (S4), and Wood Thrush (S4B) by SARO.

Western Chorus Frog has a Not at Risk status by SARO but THR by COSEWIC. Evening Grosbeak and Midland Painted Turtle have a Not at Risk status by SARO but SC by COSEWIC.

All remaining species are listed as S4, S4?, S4B, S4S5, S5, S5B, and considered native and common in the province, though some could be regionally rare. Species ranked as SNA are not native to Ontario. Forty-nine species entered in iNaturalist could not be imported into the database because their names were not found in the NHIC database (Table 2). The list includes 47 insects, one plant and one fungus.

**Table 2: Species identified in iNaturalist but not in the NHIC database.**

Scientific Name	Common Name
<i>Acronicta immodica</i>	Medium Oak Dagger
<i>Acronicta insita</i>	Large Gray Dagger
<i>Adelphocoris lineolatus</i>	Alfalfa Plant Bug
<i>Aethes sexdentata</i>	
<i>Agromyza vockerothi</i>	
<i>Anania hortulata</i>	Small Magpie
<i>Anicla infecta</i>	Green Cutworm Moth
<i>Apantesis virguncula</i>	Little Virgin Tiger Moth
<i>Apantesis williamsii</i>	Tiger Moth
<i>Archips semiferana</i>	Oak Leafroller Moth
<i>Archips mouffetella</i>	
<i>Banasa calva</i>	
<i>Banasa dimidiata</i>	Green Burgundy Stink Bug
<i>Bellura vulnifica</i>	Black-tailed Diver Moth
<i>Ceraclea albimacula</i>	
<i>Chauliodes rastricornis</i>	Spring Fishfly
<i>Cliniodes ostreonalis</i>	Oystershell Metrea moth
<i>Corydalus cornutus</i>	Eastern Dobsonfly
<i>Depressaria depressana</i>	Purple Carrot-seed Moth
<i>Dibolia borealis</i>	Northern Plantain Flea Beetle
<i>Dichanthelium acuminatum</i>	Hairy Rosette Panicgrass
<i>Dichomeris marginella</i>	Juniper Webworm
<i>Elaphria alapallida</i>	Pale-winged Midget
<i>Epalpus signifer</i>	Early Tachinid Fly
<i>Eriophyes tiliae</i>	Red Nail Gall Mite
<i>Ethmia zelleriella</i>	Zeller's Ethmia
<i>Euschistus servus euschistoides</i>	
<i>Glaphyria sesquialis</i>	White-roped Glaphyria
<i>Gymnoscelis rufifasciata</i>	Double-striped pug
<i>Harmonia axyridis</i>	Asian Lady Beetle
<i>Korscheltellus lupulina</i>	Common Swift Moth
<i>Lethocerus americanus</i>	American giant water bug
<i>Lygaeus kalmii</i>	Small Milkweed Bug
<i>Lygropia rivulalis</i>	Bog Lygropia Moth
<i>Macaria exauspicata</i>	
<i>Macaria masquerata</i>	
<i>Okanagana rimosa</i>	Say's Cicada
<i>Pasiphila rectangularata</i>	Green Pug
<i>Pelochrista argentialbana</i>	
<i>Phellinus tremulae</i>	Aspen Bracket
<i>Phytomyza aralivora</i>	
<i>Plusia magnimacula</i>	
<i>Podiscus placidus</i>	
<i>Sehirus cinctus albonotatus</i>	
<i>Sitochroa palealis</i>	Carrot Seed Moth
<i>Sphecomyiella valida</i>	
<i>Sphinx poecila</i>	Northern Apple Sphinx
<i>Striacosta albicosta</i>	Western Bean Cutworm
<i>Trametes versicolour</i>	Turkey-tail

### 4.3 Significant Areas of Natural and Scientific Interest

No Provincially Significant ANSIs were identified on or nearby the site by MNRF (Figure 1).

### 4.4 Significant Portions of the Habitat of Endangered or Threatened Species

The Ontario Endangered Species Act (ESA, 2007) protects the habitat of Threatened or Endangered species in the province. Species designated as Special Concern are protected under regulations and policies for Significant Wildlife Habitat.

One dead Butternut listed as S2? and designated as Endangered (END) was found adjacent to the northeast corner of Community 05 (W04). No other Butternut trees were found. Black Ash is designated as Threatened (THR) federally, and Endangered (END) provincially. The species was listed under the Ontario Endangered Species Act (ESA) in January 2022, but the ministry chose to delay legal protection for two years. Black Ash is recognized as a critically endangered species globally and 51% of its range occurs in Canada. It is also of great cultural significance to many Indigenous Peoples. It was noted in several ecosites (C03, 05, 07, 09, 14, 19), but was most notable in Community 09 where the canopy was dominated by the species. AS a result this area is highlighted as key habitat for the species.

Golden Eagle, Bobolink and Barn Swallow were **observed on site**. Golden Eagle is unlikely to be breeding. Breeding habitat for Bobolink is marginal. Suitable nesting habitat for Barn Swallows may be present and should be confirmed. Western Chorus Frog (Federally Threatened) breeds in wetlands on the property.

Thirteen threatened or endangered species with **ranges overlapping with this part of Ecodistrict 5E-11 were identified**. Information and comments concerning their presence on the site are included in Table 3. Three of the species have been identified via the "*Atlas of the Breeding Birds of Ontario, 2001 – 2005*" (Cadman et al., 2007).

**Table 3: Threatened and Endangered Species with ranges in Ecodistrict 5E-11.**

Common Name	SARO Status	NHIC Record	OBBA Square 17QK24	Suitable Habitat on Site	Presence on the KNSC property.
Black Ash	END	No	N/A	Yes	Observed on site.
Eastern Whip-poor-will	THR	No	Probable	Yes	Not observed
Spotted Turtle	END	No	N/A	Yes	Not observed.
Blanding's Turtle	THR	No	N/A	Yes	Not observed
Eastern Hog-nose Snake	THR	No	N/A	Yes	Not observed
American Ginseng	END	No	N/A	Yes	Not observed
Cerulean Warbler	THR	No	No	Marginal	Not observed.
Eastern Meadowlark	THR	No	Possible	Marginal	Not observed
Bobolink	THR	No	No	Marginal	Not observed.
Chimney Swift	THR	No	No	No	Not observed
Barn Swallow	THR	No	Confirmed	No	Observed, may have suitable nesting structures.
Least Bittern	THR	No	No	No	Not observed
Bank Swallow	THR	No	No	No	Not observed. No suitable nesting habitat on site.

## 4.5 Significant Wetlands

No provincially significant wetlands (PSW) were identified on the site. However, very few wetlands have been evaluated in this part of Ontario, and a lack of evaluation does not reflect the quality or significance of the wetlands on the property. Many of the wetlands on the property are hydrologically connected, forming a wetland complex, and this increases the likelihood that they would be significant if evaluated (Fig. 2).

## 4.6 Fish Habitat

Baitfish were observed in W10 and W11, but not in the other wetlands. Water flows from W10 to W01, therefore baitfish are probably present in W01. Therefore, these three wetlands and associated watercourses are considered fish habitat: Significant Wildlife Habitat (Excluding Threatened and Endangered Species).

## 4.7 Significant Wildlife Habitat (SWH)

Based on a review of the following document, "*Significant Wildlife Habitat Criteria Schedules for Ecoregion 5E*" (MNR, 2015), seven (7) Candidate Significant Wildlife Habitats were identified as potential for the site (Table 4). The table indicates that some Significant Wildlife Habitat was confirmed on site and other SWH is likely on site but requires additional surveys.

**Table 4: Significant Wildlife Habitat (Excluding Threatened and Endangered Species protected via the Ontario ESA).**

<b>Significant Wildlife Habitat</b>	<b>Confirming Criteria</b>	<b>Presence/Absence</b>
Bat Maternity Colonies	Maternity colonies located in Mature (dominant trees > 80yrs old) deciduous or mixed forest stands, with >10/ha large diameter (>25cm dbh) wildlife trees. Confirmed use by; >10 Big Brown Bats >5 Adult Female Silver-hair Bats.	Study required to confirm.
Turtle Wintering Areas	Wintering areas are where water is deep enough not to freeze and have soft mud bottoms. Presence of 5 over-wintering Midland Painted Turtles or one or more Northern Map or Snapping Turtles within the wetland is significant.	Midland Painted Turtles were observed in W01 and W11. <b>These are SWH.</b>
Deer Yarding Areas	Deer yards mapped by MNRF	Confirm with MNRF.
Rock Barren	Areas >1 ha in size. Must have > 4 characteristic species.	Areas too small.
Rare Forest Type: White Oak.	Any forest stands with > 10% White Oak	<b>Forest Management Plan shows one stand (W6) with 18% white oak = SWH</b> Aligns with C02 in this report.
Woodland Raptor Nesting Habitat	Presence of 1 or more active nests from species list is considered significant.	OBBA confirms that the following species are breeders in area: <b>Broad-winged Hawk, Barred Owl. This is SWH</b>
Turtle and Lizard Nesting Areas	Presence of 5 or more nesting Midland Painted Turtles or one or more Northern Map Turtle or Snapping Turtle nesting is a SWH. Need study to confirm.	Midland Painted Turtles and Snapping Turtle reported on the property. Need studies to identify nesting sites.
Seeps and Springs	Presence of a site with 2 or more seeps/springs should be considered SWH.	Need studies to identify.
Aquatic Feeding Habitat	Observational studies of the moose feeding habitat observing use or track studies demonstrating use of the habitat are required for any candidate site; any candidate site with observed or demonstrated moose use is significant.	Probably not significant due to low numbers of moose. Need studies to confirm.

Denning Sites	Any known active denning site for Mink, Otter, Marten Fisher, Grey Wolf and Eastern Wolf and a 100 m radius around it is considered to be significant	Need studies to identify active denning sites.
Amphibian Breeding Habitat (Woodland).	Presence of a wetland >500m <sup>2</sup> (about 25m diameter) within or adjacent to a woodland (no minimum size). Species include Eastern Newt, Blue-spotted Salamander, Spotted Salamander, Four-toed Salamander, Northern Two-lined Salamander, Spring Peeper, Wood Frog, and American Toad.	Numerous wetlands on site. Wood Frog and Spring Peeper identified on site. Other species on list are likely on site. Studies to confirm.
Amphibian Breeding Habitat (Wetlands)	Wetlands and pools (including vernal pools) >500m <sup>2</sup> (about 25m diameter), supporting high species diversity are significant. Species include: Eastern Newt, American Toad, Spotted Salamander, Four-toed Salamander, Blue-spotted Salamander, Gray Treefrog, Western Chorus Frog, Northern Leopard Frog Pickerel, Frog Green, Frog Mink, and Frog Bullfrog	Numerous wetlands on site. Wood Frog and Spring Peeper identified on site. Other species on list are likely on site. Studies to confirm.
Mast Producing Areas.	Mature forests >0.5 ha with numerous large beech and red oak trees that supply the energy-rich mast that wildlife prefer. Other significant tree species include hickory, basswood, black cherry, ironwood, mountain ash, pin cherry, and butternut. Significant shrub species include blueberries, wild black berry, serviceberry, raspberry, beaked hazel, choke cherry and hawthorn.	C11 is dominated by Red Oak. Patches in other communities have large numbers of oak. <b>These are SWH.</b>
Special Concern and Rare Wildlife Species.	All Special Concern and Provincially Rare (S1-S3, SH) plant and animal species not listed as THR or END.	Bald Eagle (S2N, S5B), Canada Warbler (S4B), Common Nighthawk (S4B), Eastern Wood Pewee (S4B), Monarch butterfly (S2N, S4B), Snapping Turtle (S4), and Wood Thrush (S4B) identified on site and designated Special Concern (SC) by SARO. <b>Their habitat is SWH.</b>



## 5. Sensitivity Analysis

Generally, the documented presence of nesting or breeding species transforms 'candidate' SWH to 'confirmed'. Only a handful of habitats were 'confirmed' based on initial field surveys or were geographically referenced. Those that could be pinpointed are shown on the preliminary sensitivity map (Fig. 21) to highlight Club lands that are home to species at risk, high floristic quality or special habitat for wildlife (SWH).

Where an area had multiple designations, the higher sensitivity ranking is shown. This only occurred for a handful of communities, specifically the following:

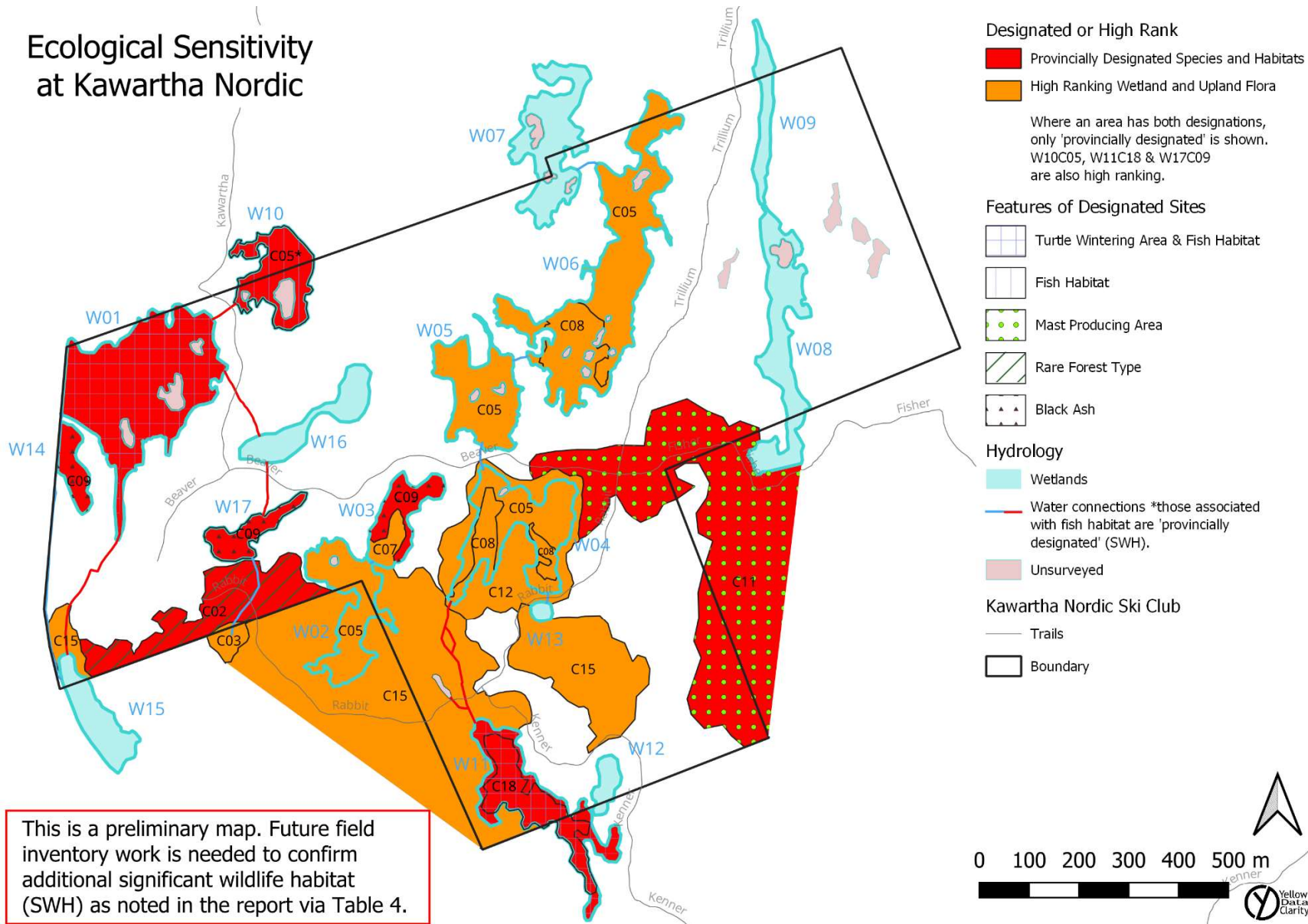
- Wetland 10 is recognized fish habitat; C05 in W10 has high floristic value.
- Wetland 11 is recognized fish habitat and turtle overwintering habitat; C18 within the wetland has high floristic value.
- Wetland 17 has high floristic quality and hosts endangered Black Ash.

**Please note that the sensitivity map is very preliminary.** Further field work is required to identify habitats where species at risk may be found. Frog and salamander surveys will confirm wetland and woodland habitats important to amphibian breeding, and deer wintering areas need to be confirmed via MNRF staff. The sensitivity map is presented here with the intent that more areas will be added pending field work noted in Table 4. This map is intended to distill natural features information from this report to be used as guidance for trail development and other human uses of the property.

### 5.1 Next Steps

While the work presented in this document is significant, it is only the first step in assessing the KNSC property. **Future inventory work is recommended to confirm significant wildlife habitats**, specifically the presence/nesting of the following species given that suitable breeding habitat/growing conditions exist: Eastern Whip-poor-will, Spotted Turtle, American Ginseng, Eastern Hog-nosed Snake, Blanding's Turtle. Table 4 lists additional studies to confirm SWH. **Wetlands on site warrant evaluation, particularly to assess the presence of fen indicator species and determine wetland significance.** As these features are investigated, they are to be added to the sensitivity map (Fig. 21) such that it becomes a living document, helping to ensure that human uses of the property are balanced with the protection of the outstanding natural features present at KNSC. Partnerships with organizations like the Peterborough Field Naturalists, Kawartha Land Trust and Fleming College may facilitate inventory activities.

# Ecological Sensitivity at Kawartha Nordic



This is a preliminary map. Future field inventory work is needed to confirm additional significant wildlife habitat (SWH) as noted in the report via Table 4.

Figure 21: Preliminary sensitivity analysis of Kawartha Nordic Ski Club lands.

## **6. Conclusion**

The authors and other volunteer observers have been impressed with the large, diverse wetlands on the property, the mature mixed and deciduous woodlands and areas of open rock barrens and meadows. The property provides habitat for species requiring large extents of forest, like Scarlet Tanager, Wood Thrush, Eastern Pewee and Ovenbird. Some of these species – Eastern Wood Pewee and Wood Thrush – have been identified as species at risk. Other at-risk species on the property include Western Chorus Frog and Black Ash. More at-risk reptiles and amphibians are likely to be discovered. Though there has been extensive logging in the past in some of the woodlands, there are still magnificent older specimens of White Oak, White Ash, Silver Maple, Sugar Maple and Eastern Hemlock. It is likely that almost all the pre-settlement complement of plants and animals still occurs on the property. The diversity of insect species alone on the property is quite amazing.

One of the great attributes of the property, from an ecological point of view, is that it is adjacent to large natural areas of Crown Land including the Peterborough Crown Game Preserve and the Kawartha Highlands Provincial Signature Park. Of course, members benefit from access to these lands for their ski trails too.

The trails, roads and landscaping materials on the property have brought with them a number of non-native species and have had an impact on the condition of adjacent ecological communities, but the overall condition of most communities, especially the wetland communities, is very good. Spreading gravel on trails, clearing of vegetation at the margins of roads and parking lot, and vehicular traffic are starting to encroach on the natural areas in the property. Especially significant is the introduction of a large quantity of aggregate fill to the area in front of the main cabin and the main trails and the expansion of the parking lot into the surrounding wetlands. It is recommended that the club carefully consider the impact of any further landscape changes on the outstanding natural heritage features of this property.

## 7 Acknowledgements

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## **9 Appendices**

**Appendix I: Detailed Floristic Quality Assessment by Area and ELC Ecosite.**

**Appendix II: Fauna Inventory by Area and ELC Ecosite.**

**Appendix III: Species Rarity Summary**

**Appendix IV: Detailed Species Rarity**



# Fauna Inventory

**Map Reference: C01**

**ELC community: N/A**

Scientific Name	Common Name	Obs. Count	Strank	SARO	COSEWIC
<u>Birds</u>					
Agelaius phoeniceus	Red-winged Blackbird	15	S4		
Buteo platypterus	Broad-winged Hawk	15	S5B		
Melospiza melodia	Song Sparrow	15	S5B		
Spizella passerina	Chipping Sparrow	1	S5B		
Turdus migratorius	American Robin	1	S5B		
Tyrannus tyrannus	Eastern Kingbird	15	S4B		
Zenaida macroura	Mourning Dove	1	S5		

Herps

Lithobates pipiens	Northern Leopard Frog	1	S5	NAR	NAR
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**Map Reference: C02**

**ELC community: N/A**

Scientific Name	Common Name	Obs. Count	Strank	SARO	COSEWIC
<u>Birds</u>					
Hylocichla mustelina	Wood Thrush	2	S4B	SC	THR
Seiurus aurocapilla	Ovenbird	2	S4B		
Vireo olivaceus	Red-eyed Vireo	1	S5B		

Invertebrates

Ladona julia	Chalk-fronted Corporal	1	S5		
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Mammals

Odocoileus virginianus	White-tailed Deer	1	S5		
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**Map Reference: C03**

**ELC community: N/A**

Scientific Name	Common Name	Obs. Count	Strank	SARO	COSEWIC
<u>Birds</u>					
Contopus virens	Eastern Wood-pewee	2	S4B	SC	SC
Troglodytes hiemalis	Winter Wren	1	S5B		

Herps

Lithobates sylvaticus	Wood Frog	2	S5		
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**Map Reference: C04**

**ELC community: N/A**

Scientific Name	Common Name	Obs. Count	Strank	SARO	COSEWIC
<u>Birds</u>					
Coccyzus erythrophthalmus	Black-billed Cuckoo	1	S5B		
Pheucticus ludovicianus	Rose-breasted Grosbeak	1	S4B		
Sialia sialis	Eastern Bluebird	1	S5B	NAR	NAR

Herps

Lithobates pipiens	Northern Leopard Frog	2	S5	NAR	NAR
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Invertebrates

Limenitis arthemis arthemis	White Admiral	2	S5		
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Mammals

Odocoileus virginianus	White-tailed Deer	2	S5
Tamias striatus	Eastern Chipmunk	1	S5

**Map Reference: C06**

**ELC community: N/A**

Scientific Name	Common Name	Obs. Count	Strank	SARO	COSEWIC
<u>Birds</u>					
Cyanocitta cristata	Blue Jay	1	S5		
Turdus migratorius	American Robin	1	S5B		
Vireo olivaceus	Red-eyed Vireo	1	S5B		

Herps

Lithobates sylvaticus	Wood Frog	1	S5
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Invertebrates

Celithemis elisa	Calico Pennant	1	S5
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Mammals

Canis latrans	Coyote	1	S5
Odocoileus virginianus	White-tailed Deer	1	S5
Tamiasciurus hudsonicus	Red Squirrel	1	S5

**Map Reference: C10**

**ELC community: N/A**

Scientific Name	Common Name	Obs. Count	Strank	SARO	COSEWIC
<u>Birds</u>					
Bonasa umbellus	Ruffed Grouse	1	S4		
Pheucticus ludovicianus	Rose-breasted Grosbeak	1	S4B		
Piranga olivacea	Scarlet Tanager	1	S4B		
Setophaga pensylvanica	Chestnut-sided Warbler	2	S5B		

Invertebrates

Libellula pulchella	Twelve-spotted Skimmer	1	S5
Plathemis lydia	Common Whitetail	1	S5

Mammals

Odocoileus virginianus	White-tailed Deer	1	S5
Tamias striatus	Eastern Chipmunk	1	S5
Tamiasciurus hudsonicus	Red Squirrel	1	S5

**Map Reference: C11**

**ELC community: N/A**

Scientific Name	Common Name	Obs. Count	Strank	SARO	COSEWIC
<u>Birds</u>					
Contopus virens	Eastern Wood-pewee	1	S4B	SC	SC
Cyanocitta cristata	Blue Jay	1	S5		
Hirundo rustica	Barn Swallow	1	S4B	THR	THR
Piranga olivacea	Scarlet Tanager	1	S4B		
Poecile atricapillus	Black-capped Chickadee	1	S5		
Seiurus aurocapilla	Ovenbird	1	S4B		
Sitta canadensis	Red-breasted Nuthatch	1	S5		
Vireo olivaceus	Red-eyed Vireo	1	S5B		



Mammals

Odocoileus virginianus	White-tailed Deer	1	S5
Tamiasciurus hudsonicus	Red Squirrel	2	S5

**Map Reference: C12**

**ELC community: N/A**

Scientific Name	Common Name	Obs. Count	Strank	SARO	COSEWIC
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Birds

Sitta carolinensis	White-breasted Nuthatch	1	S5
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Mammals

Tamiasciurus hudsonicus	Red Squirrel	1	S5
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**Map Reference: C13**

**ELC community: N/A**

Scientific Name	Common Name	Obs. Count	Strank	SARO	COSEWIC
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Birds

Myiarchus crinitus	Great Crested Flycatcher	1	S4B
Seiurus aurocapilla	Ovenbird	1	S4B
Sphyrapicus varius	Yellow-bellied Sapsucker	1	S5B
Vireo olivaceus	Red-eyed Vireo	1	S5B

**Map Reference: C15**

**ELC community: N/A**

Scientific Name	Common Name	Obs. Count	Strank	SARO	COSEWIC
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Birds

Sphyrapicus varius	Yellow-bellied Sapsucker	1	S5B
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**Map Reference: C16**

**ELC community: N/A**

Scientific Name	Common Name	Obs. Count	Strank	SARO	COSEWIC
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Birds

Corvus corax	Common Raven	1	S5
Meleagris gallopavo	Wild Turkey	1	S5
Melospiza melodia	Song Sparrow	1	S5B
Poecile atricapillus	Black-capped Chickadee	1	S5
Sitta carolinensis	White-breasted Nuthatch	1	S5
Vireo olivaceus	Red-eyed Vireo	1	S5B

Invertebrates

Danaus plexippus	Monarch	1	S2N,S 4B	SC	END
Libellula incesta	Slaty Skimmer	1	S4		
Plathemis lydia	Common Whitetail	1	S5		

Mammals

Odocoileus virginianus	White-tailed Deer	1	S5
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**Map Reference: GBIF**

**ELC community: N/A**

Scientific Name	Common Name	Obs. Count	Strank	SARO	COSEWIC
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Birds

Acanthis flammea	Common Redpoll	11	S4B
Acanthis hornemanni	Hoary Redpoll	1	SNA

<i>Accipiter striatus</i>	Sharp-shinned Hawk	4	S5	NAR	NAR
<i>Aegolius acadicus</i>	Northern Saw-whet Owl	5	S4		
<i>Agelaius phoeniceus</i>	Red-winged Blackbird	55	S4		
<i>Aix sponsa</i>	Wood Duck	17	S5		
<i>Anas platyrhynchos</i>	Mallard	22	S5		
<i>Aquila chrysaetos</i>	Golden Eagle	6	S2B	END	NAR
<i>Archilochus colubris</i>	Ruby-throated Hummingbird	6	S5B		
<i>Ardea herodias</i>	Great Blue Heron	3	S4		
<i>Bombycilla cedrorum</i>	Cedar Waxwing	27	S5B		
<i>Bonasa umbellus</i>	Ruffed Grouse	79	S4		
<i>Botaurus lentiginosus</i>	American Bittern	1	S4B		
<i>Branta canadensis</i>	Canada Goose	23	S5		
<i>Bucephala albeola</i>	Bufflehead	2	S4		
<i>Buteo jamaicensis</i>	Red-tailed Hawk	6	S5	NAR	NAR
<i>Buteo platypterus</i>	Broad-winged Hawk	5	S5B		
<i>Cardellina canadensis</i>	Canada Warbler	4	S4B	SC	THR
<i>Cathartes aura</i>	Turkey Vulture	28	S5B		
<i>Catharus fuscescens</i>	Veery	19	S4B		
<i>Catharus guttatus</i>	Hermit Thrush	21	S5B		
<i>Catharus ustulatus</i>	Swainson's Thrush	4	S4B		
<i>Certhia americana</i>	Brown Creeper	48	S5B		
<i>Charadrius vociferus</i>	Killdeer	2	S5B,S 5N		
<i>Chordeiles minor</i>	Common Nighthawk	1	S4B	SC	SC
<i>Coccothraustes vespertinus</i>	Evening Grosbeak	25	S4B		SC
<i>Coccyzus americanus</i>	Yellow-billed Cuckoo	5	S4B		
<i>Coccyzus erythrophthalmus</i>	Black-billed Cuckoo	3	S5B		
<i>Colaptes auratus</i>	Northern Flicker	50	S4B		
<i>Columba livia</i>	Rock Pigeon	22	SNA		
<i>Contopus virens</i>	Eastern Wood-pewee	20	S4B	SC	SC
<i>Corvus brachyrhynchos</i>	American Crow	75	S5B		
<i>Corvus corax</i>	Common Raven	209	S5		
<i>Cyanocitta cristata</i>	Blue Jay	222	S5		
<i>Dolichonyx oryzivorus</i>	Bobolink	4	S4B	THR	THR
<i>Dryocopus pileatus</i>	Pileated Woodpecker	95	S5		
<i>Dumetella carolinensis</i>	Gray Catbird	2	S4B		
<i>Empidonax alnorum</i>	Alder Flycatcher	1	S5B		
<i>Empidonax minimus</i>	Least Flycatcher	2	S4B		
<i>Falco columbarius</i>	Merlin	2	S5B	NAR	NAR
<i>Gavia immer</i>	Common Loon	10	S5B,S 5N	NAR	NAR
<i>Geothlypis philadelphia</i>	Mourning Warbler	3	S4B		
<i>Geothlypis trichas</i>	Common Yellowthroat	34	S5B		
<i>Haemorhous purpureus</i>	Purple Finch	51	S4B		
<i>Haliaeetus leucocephalus</i>	Bald Eagle	20	S2N,S 4B	SC	NAR
<i>Hirundo rustica</i>	Barn Swallow	2	S4B	THR	THR
<i>Icterus galbula</i>	Baltimore Oriole	1	S4B		
<i>Junco hyemalis</i>	Dark-eyed Junco	49	S5B		
<i>Lanius borealis</i>	Northern Shrike	2	S4		

<i>Larus delawarensis</i>	Ring-billed Gull	6	S5B,S 4N		
<i>Lophodytes cucullatus</i>	Hooded Merganser	9	S5B,S 5N		
<i>Loxia curvirostra</i>	Red Crossbill	54	S4B		
<i>Loxia leucoptera</i>	White-winged Crossbill	14	S5B		
<i>Megaceryle alcyon</i>	Belted Kingfisher	4	S4B		
<i>Meleagris gallopavo</i>	Wild Turkey	12	S5		
<i>Melospiza georgiana</i>	Swamp Sparrow	50	S5B		
<i>Melospiza melodia</i>	Song Sparrow	81	S5B		
<i>Mniotilta varia</i>	Black-and-white Warbler	18	S5B		
<i>Molothrus ater</i>	Brown-headed Cowbird	1	S4B		
<i>Myiarchus crinitus</i>	Great Crested Flycatcher	10	S4B		
<i>Oreothlypis peregrina</i>	Tennessee Warbler	2	S5B		
<i>Oreothlypis ruficapilla</i>	Nashville Warbler	19	S5B		
<i>Parkesia noveboracensis</i>	Northern Waterthrush	23	S5B		
<i>Passerculus sandwichensis</i>	Savannah Sparrow	2	S4B		
<i>Passerina cyanea</i>	Indigo Bunting	14	S4B		
<i>Perisoreus canadensis</i>	Canada Jay	8	S5		
<i>Phalacrocorax auritus</i>	Double-crested Cormorant	4	S5B	NAR	NAR
<i>Pheucticus ludovicianus</i>	Rose-breasted Grosbeak	13	S4B		
<i>Picoides arcticus</i>	Black-backed Woodpecker	2	S4		
<i>Picoides pubescens</i>	Downy Woodpecker	62	S5		
<i>Picoides villosus</i>	Hairy Woodpecker	98	S5		
<i>Pinicola enucleator</i>	Pine Grosbeak	1	S4B		
<i>Pipilo erythrophthalmus</i>	Eastern Towhee	2	S4B		
<i>Piranga olivacea</i>	Scarlet Tanager	13	S4B		
<i>Plectrophenax nivalis</i>	Snow Bunting	2	SNA		
<i>Poecile atricapillus</i>	Black-capped Chickadee	355	S5		
<i>Quiscalus quiscula</i>	Common Grackle	37	S5B		
<i>Regulus calendula</i>	Ruby-crowned Kinglet	12	S4B		
<i>Regulus satrapa</i>	Golden-crowned Kinglet	75	S5B		
<i>Sayornis phoebe</i>	Eastern Phoebe	55	S5B		
<i>Scolopax minor</i>	American Woodcock	6	S4B		
<i>Seiurus aurocapilla</i>	Ovenbird	43	S4B		
<i>Setophaga caerulescens</i>	Black-throated Blue Warbler	3	S5B		
<i>Setophaga castanea</i>	Bay-breasted Warbler	4	S5B		
<i>Setophaga coronata</i>	Yellow-rumped Warbler	33	S5B		
<i>Setophaga fusca</i>	Blackburnian Warbler	3	S5B		
<i>Setophaga magnolia</i>	Magnolia Warbler	5	S5B		
<i>Setophaga pensylvanica</i>	Chestnut-sided Warbler	13	S5B		
<i>Setophaga petechia</i>	Yellow Warbler	3	S5B		
<i>Setophaga pinus</i>	Pine Warbler	6	S5B		
<i>Setophaga ruticilla</i>	American Redstart	4	S5B		
<i>Setophaga virens</i>	Black-throated Green Warbler	15	S5B		
<i>Sialia sialis</i>	Eastern Bluebird	2	S5B	NAR	NAR
<i>Sitta canadensis</i>	Red-breasted Nuthatch	211	S5		
<i>Sitta carolinensis</i>	White-breasted Nuthatch	156	S5		
<i>Sphyrapicus varius</i>	Yellow-bellied Sapsucker	50	S5B		
<i>Spinus pinus</i>	Pine Siskin	21	S4B		

Spinus tristis	American Goldfinch	126	S5B
Spizella arborea	American Tree Sparrow	26	S4B
Spizella passerina	Chipping Sparrow	48	S5B
Spizella pusilla	Field Sparrow	3	S4B
Strix varia	Barred Owl	32	S5
Sturnus vulgaris	European Starling	11	SNA
Tachycineta bicolor	Tree Swallow	6	S4B
Tringa solitaria	Solitary Sandpiper	2	S4B
Troglodytes aedon	House Wren	3	S5B
Troglodytes hiemalis	Winter Wren	22	S5B
Turdus migratorius	American Robin	65	S5B
Tyrannus tyrannus	Eastern Kingbird	16	S4B
Vireo olivaceus	Red-eyed Vireo	45	S5B
Vireo solitarius	Blue-headed Vireo	23	S5B
Zenaida macroura	Mourning Dove	47	S5
Zonotrichia albicollis	White-throated Sparrow	28	S5B
Zonotrichia leucophrys	White-crowned Sparrow	4	S4B

**Map Reference:** *iNaturalist*

**ELC community:** *N/A*

<u>Birds</u>	Scientific Name	Common Name	Obs. Count	Strank	SARO	COSEWIC
	Agelaius phoeniceus	Red-winged Blackbird	2	S4		
	Cathartes aura	Turkey Vulture	1	S5B		
	Catharus fuscescens	Veery	1	S4B		
	Catharus guttatus	Hermit Thrush	3	S5B		
	Coccyzus americanus	Yellow-billed Cuckoo	2	S4B		
	Contopus virens	Eastern Wood-pewee	1	S4B	SC	SC
	Cyanocitta cristata	Blue Jay	1	S5		
	Dryocopus pileatus	Pileated Woodpecker	1	S5		
	Meleagris gallopavo	Wild Turkey	1	S5		
	Mniotilta varia	Black-and-white Warbler	2	S5B		
	Myiarchus crinitus	Great Crested Flycatcher	1	S4B		
	Parkesia noveboracensis	Northern Waterthrush	2	S5B		
	Passerina cyanea	Indigo Bunting	2	S4B		
	Pheucticus ludovicianus	Rose-breasted Grosbeak	1	S4B		
	Picoides villosus	Hairy Woodpecker	1	S5		
	Poecile atricapillus	Black-capped Chickadee	1	S5		
	Quiscalus quiscula	Common Grackle	1	S5B		
	Sayornis phoebe	Eastern Phoebe	2	S5B		
	Seiurus aurocapilla	Ovenbird	1	S4B		
	Setophaga caeruleascens	Black-throated Blue Warbler	1	S5B		
	Setophaga pensylvanica	Chestnut-sided Warbler	2	S5B		
	Troglodytes hiemalis	Winter Wren	1	S5B		
	Turdus migratorius	American Robin	1	S5B		
	Vireo olivaceus	Red-eyed Vireo	3	S5B		
	Vireo solitarius	Blue-headed Vireo	1	S5B		
	Zenaida macroura	Mourning Dove	1	S5		
<u>Herps</u>						
	Chelydra serpentina	Snapping Turtle	1	S4	SC	SC

Lithobates clamitans	Green Frog	2	S5
Lithobates septentrionalis	Mink Frog	1	S5
Pseudacris crucifer	Spring Peeper	1	S5
Storeria occipitomaculata	Red-bellied Snake	1	S5

### Invertebrates

Acleris nivisellana		1	SNR
Acleris semipurpurana		5	SNR
Acossus centerensis		6	SNR
Acronicta americana	American Dagger Moth	17	S5
Acronicta fragilis	Fragile Dagger Moth	1	S4S5
Acronicta hasta		5	S4?
Acronicta increta	Unclear Dagger Moth	17	SNR
Acronicta innotata	Unmarked Dagger Moth	10	S5
Acronicta interrupta	Interrupted Dagger Moth	1	SNR
Acronicta laetifica	Pleasant Dagger Moth	3	SNR
Acronicta lepusculina	Cottonwood Dagger Moth	5	S4S5
Acronicta lobeliae	Lobelia Dagger Moth	7	SNR
Acronicta morula	Ochre Dagger Moth	3	SNR
Acronicta oblongata	Smeared Dagger Moth	5	S5
Acronicta ovata	Ovate Dagger Moth	1	SNR
Acronicta retardata	Retarded Dagger Moth	4	S5
Acronicta superans	Splendid Dagger Moth	6	S4?
Acronicta tristis		3	S3?
Actias luna	Luna Moth	6	S4
Aeshna canadensis	Canada Darner	4	S5
Aeshna eremita	Lake Darner	1	S5
Aeshna interrupta	Variable Darner	1	S5
Aeshna tuberculifera	Black-tipped Darner	1	S4
Aethes argentilimitana		1	SNR
Aglossa cuprina	Grease Moth	4	SNR
Aglossa disciferalis		2	SNR
Agrotis stigmata		1	SNR
Agrypnia vestita	Clothed Giant Caddisfly	1	S4S5
Allagrapha aerea	Unspotted Looper Moth	2	SNR
Anageshna primordialis		5	SNR
Anavitrinella pampinaria	Common Gray Moth	3	S4S5
Anax junius	Common Green Darner	1	S5
Ancistrocerus spinolae		3	S1
Anisota virginiana	Pink Striped Oakworm Moth	10	SNR
Antaeotricha schlaegeri		1	SNR
Anterastria teratophora	The Gray Marvel	1	SNR
Antheraea polyphemus	Polyphemus Moth	5	S5
Anticlea multiferata	Many-lined Carpet	2	SNR
Apamea alia		2	SNR
Apamea amputatrix	Yellow-headed Cutworm Moth	1	S4S5
Apamea cariosa		1	SNR
Apamea devastator	Glassy Cutworm Moth	1	S5
Apamea lignicolora	Wood-colored Apamea	5	SNR
Apoda biguttata		11	SNR

<i>Araneus nordmanni</i>	Nordmann's Orbweaver	1	S4
<i>Archips argyrosipila</i>	Fruit-tree Leafroller Moth	6	SNR
<i>Archips cerasivorana</i>		1	SNR
<i>Archips mortuana</i>		1	SNR
<i>Archips packardiana</i>		1	SNR
<i>Archips purpurana</i>		2	SNR
<i>Archips striana</i>		5	SNR
<i>Argyria auratella</i>		3	SNR
<i>Argyrotaenia alisellana</i>		9	SNR
<i>Argyrotaenia juglandana</i>		1	SNR
<i>Argyrotaenia quadrifasciana</i>		2	SNR
<i>Argyrotaenia quercifoliana</i>		4	SNR
<i>Argyrotaenia velutinana</i>	Red-banded Leafroller Moth	3	SNR
<i>Arogalea cristifasciella</i>		1	SNR
<i>Automeris io</i>	Io Moth	15	S5
<i>Badister neopulchellus</i>	Ground Beetle	1	SNR
<i>Baileya ophthalmica</i>	Eyed Baileya	1	SNR
<i>Balsa labecula</i>	White-blotched Balsa	6	SNR
<i>Balsa malana</i>	Many-dotted Appleworm Moth	1	SNR
<i>Balsa tristrigella</i>	Three-lined Balsa	4	SNR
<i>Banksiola crotchi</i>	Crotch's Giant Caddisfly	2	S4S5
<i>Banksiola dossuaria</i>	Laughing Giant Caddisfly	2	SU
<i>Basiaeschna janata</i>	Springtime Darner	3	S5
<i>Bellura obliqua</i>	Cattail Borer Moth	2	SNR
<i>Besma endropiaria</i>	Straw Besma	2	SNR
<i>Besma quercivoraria</i>	Oak Besma	2	SNR
<i>Bibarrambula allenella</i>		3	SNR
<i>Biston betularia</i>	Pepper-and-Salt Geometer	7	S4?
<i>Blepharomastix ranalis</i>		1	SNR
<i>Bleptina caradrinalis</i>	Bent-winged Owlet	5	SNR
<i>Bombus borealis</i>	Northern Amber Bumble Bee	1	S5
<i>Bombus griseocollis</i>	Brown-belted Bumble Bee	1	S5
<i>Bombus impatiens</i>	Common Eastern Bumble Bee	2	S5
<i>Caenurgina crassiuscula</i>	Clover Looper Moth	2	S5
<i>Caenurgina erechtea</i>	Forage Looper Moth	1	S4S5
<i>Calledapteryx dryopterata</i>	Brown Scoopwing	6	S1?
<i>Callizzia amorata</i>	Gray Scoopwing	10	SNR
<i>Callopietria cordata</i>	Silver-spotted Fern Moth	14	SNR
<i>Callopietria mollissima</i>	Pink-shaded Fern Moth	3	SNR
<i>Calopteron terminale</i>	A Net-winged Beetle	1	SNR
<i>Caloptilia fraxinella</i>		1	SNR
<i>Campaea perlata</i>	Pale Beauty Moth	8	S5
<i>Capis curvata</i>		4	S4
<i>Caripeta piniata</i>	Northern Pine Looper Moth	3	SNR
<i>Celithemis elisa</i>	Calico Pennant	1	S5
<i>Cenopsis niveana</i>		1	SNR
<i>Cenopsis pettitana</i>		15	SNR
<i>Centrodera decolorata</i>	A Longhorned Beetle	1	SNR
<i>Ceratomia undulosa</i>	Waved Sphinx	5	SNR
<i>Cerma cerintha</i>	Tufted Bird-dropping Moth	1	SNR

<i>Ceruchus piceus</i>	A Stag Beetle	1	SNR			
<i>Charadra deridens</i>	The Laugher	1	S4?			
<i>Chauliognathus pensylvanicus</i>	A Soldier Beetle	1	SNR			
<i>Chlorochlamys chloroleucaria</i>	Blackberry Looper Moth	1	SNR			
<i>Choristoneura conflictana</i>		1	SNR			
<i>Choristoneura fumiferana</i>	Spruce Budworm	7	SNR			
<i>Choristoneura rosaceana</i>	Oblique-banded Leafroller Moth	17	SNR			
<i>Chrysanympha formosa</i>	Formosa Looper Moth	4	SNR			
<i>Chrysopa oculata</i>	Golden-eyed Green Lacewing	4	S5			
<i>Chrysops vittatus</i>	Striped Deer Fly	1	S5			
<i>Chrysoteuchia topiarius</i>		11	SNR			
<i>Chytolita morbidalis</i>	Morbid Owlet	6	SNR			
<i>Chytonix palliatricula</i>	Cloaked Marvel	19	SNR			
<i>Cicindela punctulata</i>	A Tiger Beetle	1	S5			
<i>Clemensia albata</i>	Little White Lichen Moth	2	SNR			
<i>Clepsis clemensiana</i>		2	SNR			
<i>Clepsis melaleucana</i>		5	SNR			
<i>Clepsis persicana</i>	White Triangle Tortrix	5	SNR			
<i>Clostera strigosa</i>		3	SNR			
<i>Coccinella trifasciata</i>	Three-banded Ladybird Beetle	3	SNR			
<i>Coelostathma discopunctana</i>		2	SNR			
<i>Coleophora mayrella</i>		1	SNR			
<i>Coleophora trifolii</i>	Large Clover Casebearer Moth	4	SNA			
<i>Colias eurytheme</i>	Orange Sulphur	1	S5			
<i>Colocasia propinquinella</i>	Closebanded Yellowhorn	6	SNR			
<i>Condica videns</i>	White-dotted Groundling	3	SNR			
<i>Conocephalus brevipennis</i>	Short-winged Meadow Katydid	1	S4			
<i>Cosmia calami</i>	American Dun-bar	3	SNR			
<i>Costaconvexa centrostrigaria</i>	Bent-line Carpet	1	SNR			
<i>Crambidia pallida</i>	Pale Lichen Moth	1	SNR			
<i>Crambus agitatellus</i>		9	SNR			
<i>Crambus praefectellus</i>		2	SNR			
<i>Crambus saltuellus</i>		7	SNR			
<i>Crioceris duodecimpunctata</i>	Spotted Asparagus Beetle	1	SNA			
<i>Crocidophora serraticornis</i>		1	SNR			
<i>Crocidophora tuberculalis</i>		2	SNR			
<i>Ctenucha virginica</i>	Virginia Ctenucha Moth	9	S5			
<i>Cucullia convexipennis</i>	Brown-bordered Cucullia	2	S4			
<i>Cyclophora pendulinaria</i>	Sweetfern Geometer	1	S4?			
<i>Cycnia tenera</i>	Delicate Cycnia	7	S4			
<i>Danaus plexippus</i>	Monarch	2	S2N,S 4B	SC		END
<i>Darapsa myron</i>	Hog Sphinx	6	SU			
<i>Dasychira obliquata</i>	Streaked Tussock Moth	2	SNR			
<i>Dasychira plagiata</i>		5	SNR			
<i>Datana ministra</i>	Yellow-necked Caterpillar Moth	16	S5			
<i>Datana perspicua</i>	Spotted Datana	2	SNR			
<i>Diachrysia aereoides</i>		1	S4S5			
<i>Diachrysia balluca</i>		1	SNR			

<i>Dichelonyx albicollis</i>	A Scarab Beetle	2	SNR
<i>Dichomeris flavocostella</i>		5	SNR
<i>Dichomeris inserrata</i>		3	SNR
<i>Dichorda iridaria</i>	Showy Emerald	2	SNR
<i>Digrammia continuata</i>	Curve-lined Angle	5	SNA
<i>Dioryctria reniculelloides</i>		1	SNR
<i>Dissosteira carolina</i>	Carolina Grasshopper	1	S4S5
<i>Donacaula longirostrella</i>		1	SNR
<i>Donacaula melinellus</i>		3	SNR
<i>Dorocordulia libera</i>	Racket-tailed Emerald	2	S5
<i>Drepana arcuata</i>	Arched Hooktip Moth	10	S5
<i>Drepana bilineata</i>	Two-lined Hooktip	1	S4?
<i>Dryocampa rubicunda</i>	Rosy Maple Moth	5	S5
<i>Dypterygia rozmani</i>	American Bird's-wing Moth	2	SNR
<i>Dyspteris abortivaria</i>	The Bad-wing	3	SNR
<i>Dysstroma hersiliata</i>	Orange-barred Carpet	1	SNR
<i>Eacles imperialis</i>	Imperial Moth	4	SNR
<i>Eacles imperialis pini</i>	Pine Imperial Moth	7	S3?
<i>Ectropis crepuscularia</i>	The Small Engrailed	3	S5
<i>Elaphria versicolor</i>	Variegated Midget	3	SNR
<i>Ellida caniplaga</i>	Linden Prominent	1	SNR
<i>Elophila ekthlipsis</i>		11	SNR
<i>Elophila gyralis</i>		1	SNR
<i>Elophila icciusalis</i>		8	SNR
<i>Elophila obliteralis</i>		6	SNR
<i>Ematurga amitaria</i>	Cranberry Spanworm Moth	2	SNR
<i>Enallagma ebrium</i>	Marsh Bluet	2	S5
<i>Ennomos subsignaria</i>	Elm Spanworm Moth	2	S4
<i>Epiblema scudderiana</i>		1	SNR
<i>Epicallima argenticinctella</i>		1	SNR
<i>Epicauta fabricii</i>	A Blister Beetle	1	SNR
<i>Epicauta pensylvanica</i>	A Blister Beetle	1	SNR
<i>Epithea princeps</i>	Prince Baskettail	1	S5
<i>Eristalis flavipes</i>		1	S5
<i>Erythemis simplicicollis</i>	Eastern Pondhawk	1	S5
<i>Estigmene acrea</i>	Salt Marsh Moth	5	S5
<i>Ethmia bipunctella</i>		5	SNR
<i>Ethmia longimaculella</i>		2	SNR
<i>Euchaetes egle</i>	Milkweed Tussock Moth	11	S4?
<i>Euchlaena effecta</i>		1	SNR
<i>Euchlaena johnsonaria</i>	Johnson's Euchlaena Moth	2	S4
<i>Euchlaena muzaria</i>	Muzaria Euchlaena	2	SNR
<i>Euchlaena serrata</i>	The Saw-wing	1	SNR
<i>Euchlaena tigrinaria</i>	Mottled Euchlaena	1	SNR
<i>Euclea delphinii</i>	Spiny Oak-slug Moth	13	SNR
<i>Euclidia cuspidea</i>	Toothed Somberwing	1	S5
<i>Eucopina tocullionana</i>		5	SNR
<i>Eudonia strigalis</i>		2	SNR
<i>Eudryas grata</i>	Beautiful Wood-nymph	2	SNR
<i>Eudryas unio</i>	Pearly Wood-nymph	3	SNR



<i>Eueretagrotis attentus</i>	Attentive Dart	1	S4
<i>Eueretagrotis perattentus</i>	Two-spot Dart	1	S5
<i>Eufidonia notataria</i>	Powder Moth	7	SNR
<i>Eugonobapta nivosaria</i>	Snowy Geometer	1	SNR
<i>Eulogia ochrifrontella</i>		1	SNR
<i>Eupithecia absinthiata</i>		1	SNR
<i>Eupithecia miserulata</i>	Common Eupithecia	2	SNR
<i>Eupithecia mutata</i>		1	SNR
<i>Eupithecia tripunctaria</i>		1	SNR
<i>Euplexia benesimilis</i>	American Angle Shades Moth	1	S4
<i>Eusarca confusaria</i>	Confused Eusarca	4	SNR
<i>Eutrapela clemataria</i>	Curve-toothed Geometer	3	SNR
<i>Euxoa tessellata</i>	Tessellate Dart Moth	2	S5
<i>Euzophera semifuneralis</i>		1	SNR
<i>Evergestis unimacula</i>		2	SNR
<i>Exoprosopa decora</i>	Adorned Bee Fly	1	S3S4
<i>Fissicrambus mutabilis</i>		4	SNR
<i>Framinghamia helvalis</i>		1	SNR
<i>Furcula cinerea</i>	Gray Furcula	3	SNR
<i>Geina periscelidactyla</i>		1	SNR
<i>Gillmeria pallidactyla</i>		2	SNR
<i>Glaphyria sequestrialis</i>		1	SNR
<i>Gluphisia septentrionis</i>	Common Gluphisia	9	SNR
<i>Grammia anna</i>	Anna Tiger Moth	10	SNR
<i>Gypsonoma salicicolana</i>		1	SNR
<i>Gypsonoma substitutionis</i>		1	SNR
<i>Habrosyne scripta</i>	Lettered Habrosyne	7	S4S5
<i>Halysidota tessellaris</i>	Banded Tussock Moth	11	S5
<i>Haploa confusa</i>	Confused Haploa	2	S5
<i>Haploa contigua</i>	The Neighbor	1	SNR
<i>Haploa lecontei</i>	LeConte's Haploa	8	S4?
<i>Harrisimemna trisignata</i>	Harris's Three-spot	1	S4
<i>Hedya separatana</i>		1	SNR
<i>Herpetogramma abdominalis</i>		1	SNR
<i>Herpetogramma thestealis</i>		1	SNR
<i>Hesperia leonardus</i>	Leonard's Skipper	1	S4
<i>Heterocampa guttivitta</i>	Saddled Prominent	2	SNR
<i>Heterocampa obliqua</i>	Oblique Heterocampa	2	SNR
<i>Heterocampa umbrata</i>	White-blotched Heterocampa	9	SNR
<i>Heterophleps triguttaria</i>	Three-spotted Phillip	4	SNR
<i>Hethemia pistasciaria</i>	Pistachio Emerald	3	SNR
<i>Homochlodes fritillaria</i>	Pale Homochlodes	5	SNR
<i>Homorthodes furfurata</i>	Scurfy Quaker	1	S5
<i>Horisme intestinata</i>	Brown Bark Carpet	6	SNR
<i>Hyalophora cecropia</i>	Cecropia Moth	1	S5
<i>Hydatophylax argus</i>	Argus Northern Caddisfly	5	SU
<i>Hydrelia albifera</i>	Fragile White Carpet	1	SNR
<i>Hydrelia inornata</i>	Unadorned Carpet	1	SNR
<i>Hypagyrtis piniata</i>	Pine Measuringworm Moth	16	SNR
<i>Hypagyrtis unipunctata</i>	One-spotted Variant	8	SNR

<i>Hypena abalienalis</i>	White-lined Bomolocha	4	SNR
<i>Hypena baltimoralis</i>	Baltimore Bomolocha	2	SNR
<i>Hypena deceptalis</i>	Deceptive Bomolocha	1	SNR
<i>Hypena manalis</i>	Flowing-line Bomolocha	2	SNR
<i>Hypena palparia</i>	Mottled Bomolocha	8	SNR
<i>Hypena scabra</i>	Green Cloverworm Moth	3	SNR
<i>Hyphenodes caducus</i>	Large Hyphenodes	2	SNR
<i>Hyphenodes fractilinea</i>	Broken-line Hyphenodes	5	SNR
<i>Hyperaeschra georgica</i>	Georgian Prominent	10	SNR
<i>Hyphantria cunea</i>	Fall Webworm Moth	7	S5
<i>Hypoprepia fucosa</i>	Painted Lichen Moth	9	S5
<i>Idaea dimidiata</i>		1	SNR
<i>Idia aemula</i>	Common Idia	7	SNR
<i>Idia americalis</i>	American Idia	3	SNR
<i>Idia lubricalis</i>	Glossy Black Idia	1	SNR
<i>Idia scobialis</i>	Smoky Idia	1	SNR
<i>Iridopsis ephyraria</i>	Pale-winged Gray	2	SNR
<i>Iridopsis humaria</i>	Small Purplish Gray	1	SNR
<i>Iridopsis larvaria</i>	Bent-line Gray	1	SNR
<i>Iridopsis vellivolata</i>	Large Purplish Gray	2	SNR
<i>Labidomera clivicollis</i>	A Leaf Beetle	1	SNR
<i>Lacanobia grandis</i>	Grand Arches	1	S5
<i>Lacanobia subjuncta</i>	Speckled Cutworm Moth	1	SNR
<i>Lacinipolia lorea</i>	Bridled Arches	7	S5
<i>Lacinipolia meditata</i>	The Thinker	1	SNR
<i>Lacinipolia renigera</i>	Bristly Cutworm Moth	1	S5
<i>Ladona julia</i>	Chalk-fronted Corporal	3	S5
<i>Lapara bombycoides</i>	Northern Pine Sphinx	15	S5
<i>Lebia viridis</i>	Ground Beetle	1	SNR
<i>Lestes congener</i>	Spotted Spreadwing	1	S5
<i>Lestes rectangularis</i>	Slender Spreadwing	1	S5
<i>Lethe anthedon</i>	Northern Pearly-Eye	2	S5
<i>Lethe eurydice</i>	Eyed Brown	1	S5
<i>Leucania commoides</i>		2	S4S5
<i>Leucania insueta</i>		3	S5
<i>Leucanthiza dircella</i>		2	SNR
<i>Leucoma salicis</i>	Satin Moth	2	SNA
<i>Leuconycta diptheroides</i>	Green Leuconycta	16	SNR
<i>Leuconycta lepidula</i>		7	SNR
<i>Leucorrhinia intacta</i>	Dot-tailed Whiteface	2	S5
<i>Leucorrhinia proxima</i>	Belted Whiteface	2	S5
<i>Libellula quadrimaculata</i>	Four-spotted Skimmer	2	S5
<i>Limenitis archippus</i>	Viceroy	1	S5
<i>Lintneria eremitus</i>	Hermit Sphinx	7	S5
<i>Lithacodes fasciola</i>		1	SNR
<i>Lobophora nivigerata</i>	Powdered Bigwing	2	SNR
<i>Lochmaeus bilineata</i>	Double-lined Prominent	3	SNR
<i>Lomographa vestaliata</i>	White Spring Moth	6	S4
<i>Lophocampa caryae</i>	Hickory Tussock Moth	11	SNR
<i>Lophocampa maculata</i>	Spotted Tussock Moth	3	S4

<i>Loxostege cereralis</i>		1	SNR
<i>Lymantria dispar</i>	Gypsy Moth	5	SNA
<i>Lytrosis unitaria</i>	Common Lytrosis	19	SNR
<i>Macaria bisignata</i>	Red-headed Inchworm Moth	11	SNR
<i>Macaria minorata</i>	Minor Angle	10	SNR
<i>Macaria oweni</i>		3	SNR
<i>Macaria pinistrobata</i>	White Pine Angle	2	SNR
<i>Macaria signaria</i>	Pale-marked Angle	1	SNR
<i>Macrochilo louisiana</i>		1	SNR
<i>Macrurocampa marthesia</i>	Mottled Prominent	8	SNR
<i>Malacosoma americana</i>	Eastern Tent Caterpillar Moth	4	S5
<i>Malacosoma disstria</i>	Forest Tent Caterpillar Moth	8	S5
<i>Maliattha synochitis</i>	Black-dotted Lithacodia	9	S4?
<i>Marathyssa basalis</i>	Light Marathyssa	1	SNR
<i>Marathyssa inficita</i>	Dark Marathyssa	5	SNR
<i>Meganola minuscula</i>	Confused Meganola	21	SNR
<i>Melanchra adjuncta</i>	Hitched Arches	2	S5
<i>Melanolophia signataria</i>	Signate Melanolophia	2	SNR
<i>Melanomma auricinctaria</i>		2	SNR
<i>Metalectra discalis</i>	Common Fugus Moth	2	SNR
<i>Metanema inatomaria</i>	Pale Metanema	6	SNR
<i>Microcrambus biguttellus</i>		1	SNR
<i>Microcrambus elegans</i>		5	SNR
<i>Micrurapteryx salicifoliella</i>		1	SNR
<i>Mompha eloisella</i>		1	SNR
<i>Nadata gibbosa</i>	White-spotted Prominent Moth	7	S5
<i>Necrophila americana</i>	A Carrion Beetle	1	S5
<i>Nedra ramosula</i>	Gray Half-spot	2	SNR
<i>Nehalennia irene</i>	Sedge Sprite	1	S5
<i>Nematocampa resistaria</i>	Horned Spanworm Moth	11	SNR
<i>Nemoria bistrifaria</i>		3	SNR
<i>Neoligia exhausta</i>		1	SNR
<i>Nerice bidentata</i>	Double-toothed Prominent	9	SNR
<i>Nicrophorus orbicollis</i>	A Carrion Beetle	2	S5
<i>Notodonta scitipennis</i>		5	SNR
<i>Notodonta torva</i>		2	SNR
<i>Ochropleura implecta</i>	Flame-shouldered Dart	5	S5
<i>Odontotia elegans</i>	Elegant Prominent	3	SNR
<i>Ogdoconta cinereola</i>	Common Pinkband	2	SNR
<i>Olethreutes bipartitana</i>		1	SNR
<i>Olethreutes fasciatana</i>		1	SNR
<i>Olethreutes merrickana</i>		1	SNR
<i>Oligocentria lignicolor</i>	White-streaked Prominent	2	SNR
<i>Oligocentria semirufescens</i>	Red-washed Prominent	3	SNR
<i>Oneida lunulalis</i>		3	SNR
<i>Oreta rosea</i>	Rose Hooktip	6	S4?
<i>Orthodes cynica</i>	Cynical Quaker	8	S5
<i>Orthodes detracta</i>	Disparaged Arches	9	S5
<i>Orthodes majuscula</i>	Rustic Quaker	1	SNR
<i>Orthotaenia undulana</i>		1	SNR

<i>Pachysphinx modesta</i>	Big Poplar Sphinx	5	S5
<i>Packardia geminata</i>		2	SNR
<i>Palpita magniferalis</i>		8	SNR
<i>Palthis angulalis</i>	Dark-spotted Palthis	6	SNR
<i>Pandemis lamprosana</i>		3	SNR
<i>Pandemis limitata</i>	Three-lined Leafroller Moth	1	SNR
<i>Panopoda carneicosta</i>	Brown Panopoda	1	SNR
<i>Panopoda rufimargo</i>	Red-lined Panopoda	7	SNR
<i>Panthea acronyctoides</i>	Black Zigzag Moth	3	S4?
<i>Panthea furcilla</i>		8	S4?
<i>Pantographa limata</i>	Basswood Leafroller Moth	1	SNR
<i>Paonias excaecata</i>	Blinded Sphinx	7	S5
<i>Paonias myops</i>	Small-eyed Sphinx	1	S5
<i>Papilio canadensis</i>	Canadian Tiger Swallowtail	1	S5
<i>Paraclemensia acerifoliella</i>	Maple Leafcutter Moth	1	SNR
<i>Parallelia bistriaris</i>	Maple Looper Moth	7	SNR
<i>Parapoynx allionealis</i>		6	SNR
<i>Pediasia trisecta</i>		3	SNR
<i>Pelochrista cataclystiana</i>		1	SNR
<i>Peoria approximella</i>		5	SNR
<i>Peridea angulosa</i>	Angulose Prominent	7	SNR
<i>Peridea basitriens</i>	Oval-based Prominent	1	S4?
<i>Peridea ferruginea</i>	Chocolate Prominent Moth	2	S5
<i>Pero morrisonaria</i>	Morrison's Pero	2	SNR
<i>Phaeoura quernaria</i>	Oak Beauty	9	SNR
<i>Pheosia rimosa</i>	Black-rimmed Prominent	8	SNR
<i>Phlogophora iris</i>	Olive Angle Shades Moth	5	S5
<i>Phosphila miselioides</i>	Spotted Phosphila	1	SNR
<i>Phyciodes cocyta</i>	Northern Crescent	3	S5
<i>Phyllodesma americana</i>	Lappet Moth	7	S5
<i>Pieris rapae</i>	Cabbage White	1	SNA
<i>Plagodis fervidaria</i>	Fervid Plagodis	1	SNR
<i>Plagodis kuetzingi</i>	Purple Plagodis	4	SNR
<i>Plagodis phlogosaria</i>	Straight-lined Plagodis	1	SNR
<i>Plathemis lydia</i>	Common Whitetail	2	S5
<i>Pleuroprucha insulsaria</i>	Common Tan Wave	1	SNR
<i>Plusia putnami</i>	Putnam's Looper Moth	4	S4?
<i>Plusia venusta</i>	White-streaked Looper Moth	8	SNR
<i>Plutella xylostella</i>	Diamondback Moth	1	SNR
<i>Poanes hobomok</i>	Hobomok Skipper	1	S5
<i>Pococera asperatella</i>		24	SNR
<i>Pococera expandens</i>		3	SNR
<i>Poecilanthrax tegminipennis</i>	Opaque-winged Variegated bee fly	1	S4?
<i>Polia nimbosa</i>	Stormy Arches	2	S4
<i>Polistes fuscatus</i>		1	S4
<i>Ponometia candefacta</i>	Olive-shaded Bird-dropping Moth	11	S4?
<i>Ponometia erastrioides</i>	Small Bird-dropping Moth	12	SNR
<i>Probole amicaria</i>	Friendly Probole	8	SNR

<i>Protitame virginalis</i>	Virgin Moth	2	SNR
<i>Protodeltote albidula</i>	Pale Glyph Moth	3	S5
<i>Protodeltote muscosa</i>	Large Mossy Lithacodia	11	SNR
<i>Pseudeustrotia carneola</i>	Pink-barred Lithacodia	10	S4
<i>Pseudosciaphila duplex</i>		3	SNR
<i>Pseudothyatira cymatophoroides</i>	Tufted Thyatirid	6	S4S5
<i>Psilocorsis quercicella</i>		1	SNR
<i>Psilocorsis reflexella</i>		3	SNR
<i>Pyrausta acronalis</i>		1	SNR
<i>Pyrausta signatalis</i>		4	SNR
<i>Pyrrharctia isabella</i>	Isabella Tiger Moth	9	S5
<i>Raphia frater</i>	The Brother	33	S4S5
<i>Renia flavipunctalis</i>		1	SNR
<i>Rheumaptera prunivorata</i>	Ferguson's Scallop Shell	2	SNA
<i>Rivula propinqualis</i>	Spotted Grass Moth	5	SNR
<i>Salebriaria engeli</i>		1	SNR
<i>Saucrobotys futilalis</i>		3	SNR
<i>Schinia florida</i>	Primrose Moth	1	SNR
<i>Schinia lynx</i>	Lynx Flower Moth	1	SNR
<i>Schizura concinna</i>	Red-humped Caterpillar Moth	1	SNR
<i>Schizura ipomoeae</i>	Morning-glory Prominent	3	SNR
<i>Schizura leptinoides</i>	Black-blotched Schizura	2	SNR
<i>Schizura unicornis</i>	Unicorn Caterpillar Moth	5	SNR
<i>Sciota vetustella</i>		3	SNR
<i>Sciota virgatella</i>		1	SNR
<i>Scoparia biplagiata</i>		3	SNR
<i>Scopula inductata</i>	Soft-lined Wave	4	SNR
<i>Scopula junctaria</i>	Simple Wave	1	SNR
<i>Scopula limboundata</i>	Large Lace-border	14	SNR
<i>Smerinthus cerisyi</i>	One-eyed Sphinx	1	S5
<i>Smerinthus jamaicensis</i>	Twin-spotted Sphinx	2	S5
<i>Spargaloma sexpunctata</i>	Six-spotted Gray	6	SNR
<i>Sparganothis sulfureana</i>	Sparganothis Fruitworm Moth	4	SNR
<i>Sparganothis tristriata</i>		2	SNR
<i>Sparganothis unifasciana</i>		3	SNR
<i>Sparganothis xanthoides</i>		2	SNR
<i>Speranza ribearia</i>	Currant Spanworm Moth	2	SNR
<i>Speyeria cybele</i>	Great Spangled Fritillary	2	S5
<i>Sphinx canadensis</i>	Canadian Sphinx	1	S5
<i>Sphinx chersis</i>	Great Ash Sphinx	2	S5
<i>Spilosoma congrua</i>	Agreeable Tiger Moth	4	S4?
<i>Spilosoma virginica</i>	Virginian Tiger Moth	3	S5
<i>Spiramater lutra</i>		1	S5
<i>Symmerista canicosta</i>		2	SNR
<i>Sympetrum obtrusum</i>	White-faced Meadowhawk	1	S5
<i>Sympetrum vicinum</i>	Autumn Meadowhawk	1	S5
<i>Syngrapha abstrusa</i>		2	SNR
<i>Syngrapha rectangula</i>	Salt-and-Pepper Looper Moth	1	SNR
<i>Tacparia atropunctata</i>		1	SNR
<i>Tetracis cachexiata</i>	White Slant-line	2	SNR

Tetraopes tetrophthalmus	A Longhorned Beetle	1	SNR
Thorybes pylades	Northern Cloudywing	3	S5
Thymelicus lineola	European Skipper	2	SNA
Tortricidia flexuosa		1	SNR
Tortricidia testacea		6	SNR
Trichordestra legitima	Striped Garden Caterpillar Moth	4	S5
Udea rubigalis	Celery Leaf-tier Moth	1	SNR
Urola nivalis		7	SNR
Vanessa atalanta	Red Admiral	1	S5
Vanessa cardui	Painted Lady	1	S5
Vanessa virginiensis	American Lady	1	S5
Virbia laeta	Joyful Holomelina	5	SNR
Xestia badicollis	Northern Variable Dart	1	SNR
Xestia c-nigrum		1	SNR
Xestia praevia		1	SNR
Zanclognatha jacchusalis		1	SNR
Zanclognatha lituralis	Lettered Zanclognatha	1	SNR
Zanclognatha pedipilalis	Grayish Zanclognatha	6	SNR

### Mammals

Alces americanus	Moose	1	S5		
Mustela erminea	Ermine	1	S5		
Odocoileus virginianus	White-tailed Deer	3	S5		
Tamias striatus	Eastern Chipmunk	1	S5		
Ursus americanus	American Black Bear	1	S5	NAR	NAR

**Map Reference:** *Misc.*

**ELC community:** *N/A*

<u>Birds</u>	Scientific Name	Common Name	Obs. Count	Strank	SARO	COSEWIC
	Agelaius phoeniceus	Red-winged Blackbird	1	S4		
	Cyanocitta cristata	Blue Jay	1	S5		
	Mniotilta varia	Black-and-white Warbler	1	S5B		
	Oreothlypis ruficapilla	Nashville Warbler	1	S5B		
	Pheucticus ludovicianus	Rose-breasted Grosbeak	1	S4B		
	Poecile atricapillus	Black-capped Chickadee	1	S5		
	Regulus calendula	Ruby-crowned Kinglet	1	S4B		
	Sayornis phoebe	Eastern Phoebe	1	S5B		
	Seiurus aurocapilla	Ovenbird	1	S4B		
	Setophaga pinus	Pine Warbler	1	S5B		
	Setophaga virens	Black-throated Green Warbler	1	S5B		
	Sphyrapicus varius	Yellow-bellied Sapsucker	1	S5B		
	Spizella passerina	Chipping Sparrow	1	S5B		
	Troglodytes hiemalis	Winter Wren	1	S5B		
<u>Herps</u>	Chrysemys picta marginata	Midland Painted Turtle	1	S4		SC
	Pseudacris triseriata	Western Chorus Frog	1	S4		

**Map Reference: W01C05**

**ELC community: N/A**

Scientific Name	Common Name	Obs. Count	Strank	SARO	COSEWIC
<u>Herps</u>					
Lithobates clamitans	Green Frog	1	S5		
Lithobates pipiens	Northern Leopard Frog	1	S5	NAR	NAR

**Map Reference: W01C08**

**ELC community: N/A**

Scientific Name	Common Name	Obs. Count	Strank	SARO	COSEWIC
<u>Birds</u>					
Agelaius phoeniceus	Red-winged Blackbird	2	S4		
Colaptes auratus	Northern Flicker	1	S4B		
Geothlypis trichas	Common Yellowthroat	3	S5B		
Melospiza melodia	Song Sparrow	1	S5B		
Pheucticus ludovicianus	Rose-breasted Grosbeak	1	S4B		
Quiscalus quiscula	Common Grackle	1	S5B		
Sphyrapicus varius	Yellow-bellied Sapsucker	2	S5B		
Turdus migratorius	American Robin	1	S5B		
Tyrannus tyrannus	Eastern Kingbird	1	S4B		
Zenaidura macroura	Mourning Dove	1	S5		
<u>Herps</u>					
Chrysemys picta marginata	Midland Painted Turtle	2	S4		SC
Lithobates clamitans	Green Frog	1	S5		

**Map Reference: W02C05**

**ELC community: N/A**

Scientific Name	Common Name	Obs. Count	Strank	SARO	COSEWIC
<u>Birds</u>					
Catharus fuscescens	Veery	2	S4B		
Geothlypis trichas	Common Yellowthroat	2	S5B		
Melospiza georgiana	Swamp Sparrow	2	S5B		
Myiarchus crinitus	Great Crested Flycatcher	2	S4B		
Poecile atricapillus	Black-capped Chickadee	1	S5		
Setophaga virens	Black-throated Green Warbler	1	S5B		
<u>Herps</u>					
Lithobates clamitans	Green Frog	1	S5		
Pseudacris crucifer	Spring Peeper	1	S5		
Pseudacris triseriata	Western Chorus Frog	1	S4		
<u>Invertebrates</u>					
Ladona julia	Chalk-fronted Corporal	1	S5		

**Map Reference: W03C07**

**ELC community: N/A**

Scientific Name	Common Name	Obs. Count	Strank	SARO	COSEWIC
<u>Birds</u>					
Agelaius phoeniceus	Red-winged Blackbird	1	S4		
Coccyzus erythrophthalmus	Black-billed Cuckoo	3	S5B		
Cyanocitta cristata	Blue Jay	1	S5		

**Map Reference: W03C09****ELC community: N/A**

Scientific Name	Common Name	Obs. Count	Strank	SARO	COSEWIC
<u>Herps</u> Lithobates clamitans	Green Frog	1	S5		

**Map Reference: W04C05****ELC community: N/A**

Scientific Name	Common Name	Obs. Count	Strank	SARO	COSEWIC
<u>Birds</u> Melospiza georgiana	Swamp Sparrow	1	S5B		
Melospiza melodia	Song Sparrow	1	S5B		
Spizella passerina	Chipping Sparrow	1	S5B		

Herps

Pseudacris triseriata	Western Chorus Frog	1	S4		
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Mammals

Odocoileus virginianus	White-tailed Deer	1	S5		
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**Map Reference: W05C05****ELC community: N/A**

Scientific Name	Common Name	Obs. Count	Strank	SARO	COSEWIC
<u>Birds</u> Coccyzus erythrophthalmus	Black-billed Cuckoo	1	S5B		
Dryocopus pileatus	Pileated Woodpecker	1	S5		
Melospiza georgiana	Swamp Sparrow	2	S5B		

Mammals

Odocoileus virginianus	White-tailed Deer	1	S5		
Tamias striatus	Eastern Chipmunk	1	S5		

**Map Reference: W06C05****ELC community: N/A**

Scientific Name	Common Name	Obs. Count	Strank	SARO	COSEWIC
<u>Birds</u> Agelaius phoeniceus	Red-winged Blackbird	1	S4		
Geothlypis trichas	Common Yellowthroat	2	S5B		

Herps

Lithobates clamitans	Green Frog	1	S5		
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**Map Reference: W10C05****ELC community: N/A**

Scientific Name	Common Name	Obs. Count	Strank	SARO	COSEWIC
<u>Birds</u> Cathartes aura	Turkey Vulture	1	S5B		
Corvus corax	Common Raven	1	S5		
Melospiza georgiana	Swamp Sparrow	2	S5B		

Fish

Chrosomus eos	Northern Redbelly Dace	1	S5		
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Herps

Lithobates clamitans	Green Frog	1	S5		
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Lithobates sylvaticus Wood Frog 1 S5

Invertebrates

Libellula pulchella Twelve-spotted Skimmer 1 S5

Mammals

Castor canadensis Beaver 2 S5

**Map Reference: W11C17**

**ELC community: N/A**

**Scientific Name Common Name Obs. Count Srank SARO COSEWIC**

Birds

Melospiza melodia Song Sparrow 1 S5B

Invertebrates

Calopteryx maculata Ebony Jewelwing 1 S5

Plathemis lydia Common Whitetail 1 S5

**Map Reference: W11C18**

**ELC community: N/A**

**Scientific Name Common Name Obs. Count Srank SARO COSEWIC**

Fish

Chrosomus eos Northern Redbelly Dace 1 S5

Herps

Chrysemys picta marginata Midland Painted Turtle 1 S4 SC

Lithobates clamitans Green Frog 1 S5

**Map Reference: W12C14**

**ELC community: N/A**

**Scientific Name Common Name Obs. Count Srank SARO COSEWIC**

Birds

Setophaga pensylvanica Chestnut-sided Warbler 1 S5B

**Map Reference: W14C09**

**ELC community: N/A**

**Scientific Name Common Name Obs. Count Srank SARO COSEWIC**

Birds

Geothlypis trichas Common Yellowthroat 1 S5B

Turdus migratorius American Robin 1 S5B

**Map Reference: W16C19**

**ELC community: N/A**

**Scientific Name Common Name Obs. Count Srank SARO COSEWIC**

Herps

Lithobates sylvaticus Wood Frog 1 S5

Mammals

Odocoileus virginianus White-tailed Deer 1 S5

**Map Reference: W17C09**

**ELC community: N/A**

**Scientific Name Common Name Obs. Count Srank SARO COSEWIC**

Herps

Lithobates sylvaticus Wood Frog 1 S5

# Species Rarity Summary

Grouped by Rounded Provincial S-Rank

Animalia      No. of Unique  
Species Identified:

Rank	No.	%
S1	1	0.2
S1?	1	0.2
S2B	1	0.2
S2N,S4B	2	0.3
S3?	2	0.3
S3S4	1	0.2
S4	29	4.9
S4?	17	2.9
S4B	38	6.4
S4S5	13	2.2
S5	128	21.5
S5B	43	7.2
S5B,S4N	1	0.2
S5B,S5N	3	0.5
SNA	12	2.0
SNR	300	50.4
SU	3	0.5

Fungi      No. of Unique  
Species Identified:

Rank	No.	%
S5	1	100.0

Plantae      No. of Unique  
Species Identified:

Rank	No.	%
S2?	1	0.3
S3	1	0.3
S4	22	6.2
S4?	3	0.8
S4S5	2	0.6
S5	260	73.0
S5?	3	0.8

<b>SNA</b>	<b>59</b>	<b>16.6</b>
<b>SU</b>	<b>5</b>	<b>1.4</b>

# Floristic Quality Assessment

The Floristic Quality Assessment Methodology is based on the method of Wilhelm and Ladd (1988), adapted for Southern Ontario by Oldham, Bakowsky and Sutherland 1995 (Ontario Ministry of Natural Resources). G-rankings and S-rankings provided by OMNR Natural Heritage Information Centre and are current to the last imported NHIC update. Ecological land classification descriptions from Ecological Land Classification Field Guide FG-02 1998 (Lee et al). Output and summary data derived from MS Access. The FQA database application was first developed by Paul Nichol of Ecosystems in 1999 and regularly modified to reflect changed taxonomy in consultation with NHIC staff and/or databases such as VASCAN. Rankings are intended to provide a general overview of relative provincial (Srank) and global (Grank) ranking status and may not reflect current status and/or be inaccurate.

**Map Reference:** C01

**ELC community:** N/A

*Not Used*

Scientific Name:	Common Name:	Family:	Physiog.	Weed	C	Wetness	W	SRANK
Acer rubrum	Red Maple	Aceraceae	N Tree		4	FAC	0	S5
Acer saccharum	Sugar Maple	Aceraceae	N Tree		4	FACU	3	S5
Achillea millefolium	Common Yarrow	Asteraceae	A Forb	-1		FACU	3	SNA
Agrimonia gryposepala	Hooked Agrimony	Rosaceae	N Forb		2	FACU+	2	S5
Ambrosia artemisiifolia	Common Ragweed	Asteraceae	N Forb		0	FACU	3	S5
Apocynum androsaemifolium	Spreading Dogbane	Apocynaceae	N Forb		3	UPL	5	S5
Turritis glabra	Tower-mustard	Brassicaceae	N Forb		4	UPL	5	S5
Arenaria serpyllifolia	Thyme-leaved Sandwort	Caryophyllaceae	A Forb	-2		FAC	0	SNA
Asclepias syriaca	Common Milkweed	Apocynaceae	N Forb		0	UPL	5	S5
Asparagus officinalis	Garden Asparagus	Liliaceae	A Forb	-1		FACU	3	SNA
Eurybia macrophylla	Large-leaved Aster	Asteraceae	N Forb		5	UPL	5	S5
Bromus inermis	Smooth Brome	Poaceae	A Grass	-3		UPL	5	SNA
Carduus nutans ssp. nutans	Nodding Thistle	Asteraceae	A Forb	-1		UPL	5	SNA
Leucanthemum vulgare	Oxeye Daisy	Asteraceae	A Forb	-1		UPL	5	SNA
Clinopodium vulgare	Wild Basil	Lamiaceae	N Forb		4	UPL	5	S5
Cornus canadensis	Bunchberry	Cornaceae	N Shrub		7	FAC	0	S5
Cornus rugosa	Round-leaved Dogwood	Cornaceae	N Shrub		6	UPL	5	S5
Cornus sericea	Red-osier Dogwood	Cornaceae	N Shrub		2	FACW	-3	S5
Diervilla lonicera	Northern Bush-honeysuckle	Caprifoliaceae	N Shrub		5	UPL	5	S5
Echium vulgare	Common Viper's Bugloss	Boraginaceae	A Forb	-2		UPL	5	SNA
Elymus repens	Creeping Wildrye	Poaceae	A Grass	-3		FACU	3	SNA
Equisetum arvense	Field Horsetail	Equisetaceae	N Fern		0	FAC	0	S5
Erigeron annuus	Annual Fleabane	Asteraceae	N Forb		0	FAC-	1	S5
Fragaria virginiana	Wild Strawberry	Rosaceae	N Forb		2	FAC-	1	S5
Fraxinus americana	White Ash	Oleaceae	N Tree		4	FACU	3	S4
Fraxinus pennsylvanica	Green Ash	Oleaceae	N Tree		3	FACW	-3	S4
Geranium bicknellii	Bicknell's Geranium	Geraniaceae	N Forb		5	UPL	5	S5
Pilosella piloselloides ssp. piloselloides	Tall Hawkweed	Asteraceae	A Forb	-2		UPL	5	SNA
Hypericum perforatum	Common St. John's-wort	Clusiaceae	A Forb	-3		UPL	5	SNA
Lepidium campestre	Field Peppergrass	Brassicaceae	A Forb	-1		UPL	5	SNA
Medicago lupulina	Black Medic	Fabaceae	A Forb	-1		FAC-	1	SNA
Melilotus albus	White Sweet-clover	Fabaceae	A Forb	-3		FACU	3	SNA
Oryzopsis asperifolia	White-grained Mountain-ricegrass	Poaceae	N Grass		6	UPL	5	S5

**Map Reference:** C01

**ELC community:** N/A

*Not Used*

Scientific Name:	Common Name:	Family:	Physiog.	Weed	C	Wetness	W	SRANK
Ostrya virginiana	Eastern Hop-hornbeam	Betulaceae	N Tree			4 FACU-	4	S5
Parthenocissus quinquefolia	Virginia Creeper	Vitaceae	N Vine			6 FAC-	1	S4?
Phleum pratense	Common Timothy	Poaceae	A Grass	-1		FACU	3	SNA
Picea glauca	White Spruce	Pinaceae	N Tree			6 FACU	3	S5
Pinus strobus	Eastern White Pine	Pinaceae	N Tree			4 FACU	3	S5
Plantago lanceolata	English Plantain	Plantaginaceae	A Forb	-1		FAC	0	SNA
Plantago major	Common Plantain	Plantaginaceae	A Forb	-1		FAC+	-1	SNA
Poa compressa	Canada Bluegrass	Poaceae	N Grass			0 FACU+	2	SNA
Populus grandidentata	Large-toothed Aspen	Salicaceae	N Tree			5 FACU	3	S5
Populus tremuloides	Trembling Aspen	Salicaceae	N Tree			2 FAC	0	S5
Potentilla argentea	Silvery Cinquefoil	Rosaceae	A Forb	-2		FACU	3	SNA
Potentilla recta	Sulphur Cinquefoil	Rosaceae	A Forb	-2		UPL	5	SNA
Prunus serotina	Black Cherry	Rosaceae	N Tree			3 FACU	3	S5
Pteridium aquilinum	Bracken Fern	Dennstaedtiaceae	N Fern			2 FACU	3	S5
Quercus macrocarpa	Bur Oak	Fagaceae	N Tree			5 FAC-	1	S5
Quercus rubra	Northern Red Oak	Fagaceae	N Tree			6 FACU	3	S5
Toxicodendron radicans	Poison Ivy	Anacardiaceae	N Vine			5 FAC+	-1	S5
Rosa acicularis	Prickly Rose	Rosaceae	N Shrub			7 FACU	3	S5
Rubus allegheniensis	Allegheny Blackberry	Rosaceae	N Shrub			2 FACU+	2	S5
Rubus idaeus ssp. idaeus	Common Red Raspberry	Rosaceae	N Shrub			0 FACW-	-2	SNA
Rubus odoratus	Purple-flowering Raspberry	Rosaceae	N Shrub			3 UPL	5	S5
Rudbeckia hirta	Black-eyed Susan	Asteraceae	A Forb	-1		FACU	3	S5
Silene antirrhina	Sleepy Catchfly	Caryophyllaceae	N Forb			3 UPL	5	S5
Silene vulgaris	Bladder Campion	Caryophyllaceae	A Forb	-1		UPL	5	SNA
Solidago juncea	Early Goldenrod	Asteraceae	N Forb			3 UPL	5	S5
Symphoricarpos albus var. albus	Common Snowberry	Caprifoliaceae	N Shrub			7 FACU-	4	S5
Tragopogon dubius	Yellow Goat's-beard	Asteraceae	A Forb	-1		UPL	5	SNA
Trifolium aureum	Yellow Clover	Fabaceae	A Forb	-1		UPL	5	SNA
Trifolium hybridum	Alsike Clover	Fabaceae	A Forb	-1		FAC-	1	SNA
Trifolium pratense	Red Clover	Fabaceae	A Forb	-2		FACU+	2	SNA
Ulmus americana	American Elm	Ulmaceae	N Tree			3 FACW-	-2	S5
Verbascum thapsus	Common Mullein	Scrophulariaceae	A Forb	-2		UPL	5	SNA
Vicia cracca	Tufted Vetch	Fabaceae	A Forb	-1		UPL	5	SNA
Vitis riparia	Riverbank Grape	Vitaceae	N Vine			0 FACW-	-2	S5
Geum fragarioides	Barren Strawberry	Rosaceae	N Forb			5 UPL	5	S5

## Floristic Quality Summary\*

### Species Counts

Total:	Native:	(%)	Non-Native	(%)
68	42	62	26	38

**Total Weediness Score:** -41

### Mean Coefficient of Conservatism

<b>Natives only:</b>	4
<b>Natives and Non-Natives:</b>	2

**Mean Wetness:** 2.8

Map Reference: C02

ELC community: N/A

Not Used

Scientific Name:	Common Name:	Family:	Physiog.	Weed	C	Wetness	W	SRANK
Acer saccharinum	Silver Maple	Aceraceae	N Tree		5	FACW	-3	S5
Acer saccharum	Sugar Maple	Aceraceae	N Tree		4	FACU	3	S5
Actaea pachypoda	White Baneberry	Ranunculaceae	N Forb		6	UPL	5	S5
Alnus incana	Gray Alder	Betulaceae	N Shrub		6	OBL	-5	S5
Apocynum androsaemifolium	Spreading Dogbane	Apocynaceae	N Forb		3	UPL	5	S5
Asclepias syriaca	Common Milkweed	Apocynaceae	N Forb		0	UPL	5	S5
Athyrium filix-femina var. angustum	Northeastern Lady Fern	Dryopteridaceae	N Fern		4	FAC	0	S5
Betula papyrifera	Paper Birch	Betulaceae	N Tree		2	FACU+	2	S5
Carex deweyana	Dewey's Sedge	Cyperaceae	N Sedge		6	FACU-	4	S5
Carex gracillima	Graceful Sedge	Cyperaceae	N Sedge		4	FACU	3	S5
Carex laxiflora	Loose-flowered Sedge	Cyperaceae	N Sedge		5	FAC	0	S5
Carex pedunculata	Long-stalked Sedge	Cyperaceae	N Sedge		5	UPL	5	S5
Carex pensylvanica	Pennsylvania Sedge	Cyperaceae	N Sedge		5	UPL	5	S5
Carex rosea	Rosy Sedge	Cyperaceae	N Sedge		5	UPL	5	S5
Carex stipata	Awl-fruited Sedge	Cyperaceae	N Sedge		3	OBL	-5	S5
Carex tenera	Tender Sedge	Cyperaceae	N Sedge		4	FAC+	-1	S5
Carex trisperma	Three-seeded Sedge	Cyperaceae	N Sedge		9	OBL	-5	S5
Circaea canadensis	Broad-leaved Enchanter's Nightshade	Onagraceae	N Forb		3	FACU	3	S5
Clinopodium vulgare	Wild Basil	Lamiaceae	N Forb		4	UPL	5	S5
Dactylis glomerata	Orchard Grass	Poaceae	A Grass	-1		FACU	3	SNA
Dirca palustris	Eastern Leatherwood	Thymelaeaceae	N Shrub		7	FAC	0	S4
Dryopteris marginalis	Marginal Wood Fern	Dryopteridaceae	N Fern		5	FACU	3	S5
Epipactis helleborine	Eastern Helleborine	Orchidaceae	A Forb	-2		UPL	5	SNA
Erigeron philadelphicus	Philadelphia Fleabane	Asteraceae	N Forb		1	FACW	-3	S5
Fagus grandifolia	American Beech	Fagaceae	N Tree		6	FACU	3	S4
Fraxinus americana	White Ash	Oleaceae	N Tree		4	FACU	3	S4
Glyceria striata	Fowl Mannagrass	Poaceae	N Grass		3	OBL	-5	S5
Hepatica americana	Round-lobed Hepatica	Ranunculaceae	N Forb		6	UPL	5	S5
Impatiens capensis	Spotted Jewelweed	Balsaminaceae	N Forb		4	FACW	-3	S5
Lycopus uniflorus	Northern Water-horehound	Lamiaceae	N Forb		5	OBL	-5	S5
Oryzopsis asperifolia	White-grained Mountain-ricegrass	Poaceae	N Grass		6	UPL	5	S5
Osmorhiza claytonii	Hairy Sweet Cicely	Apiaceae	N Forb		5	FACU-	4	S5
Ostrya virginiana	Eastern Hop-hornbeam	Betulaceae	N Tree		4	FACU-	4	S5
Oxalis stricta	Upright Yellow Wood-sorrel	Oxalidaceae	N Forb		0	FACU	3	S5
Dichanthelium latifolium	Broad-leaved Panicgrass	Poaceae	N Grass		6	FACU	3	S4
Parthenocissus quinquefolia	Virginia Creeper	Vitaceae	N Vine		6	FAC-	1	S4?
Picea glauca	White Spruce	Pinaceae	N Tree		6	FACU	3	S5
Polygonatum pubescens	Hairy Solomon's Seal	Liliaceae	N Forb		5	UPL	5	S5
Populus balsamifera	Balsam Poplar	Salicaceae	N Tree		4	FACW	-3	S5
Prunella vulgaris ssp. vulgaris	Common Self-heal	Lamiaceae	A Forb	-1		FAC	0	SNA
Pteridium aquilinum	Bracken Fern	Dennstaedtiaceae	N Fern		2	FACU	3	S5
Quercus alba	White Oak	Fagaceae	N Tree		6	FACU	3	S5
Quercus macrocarpa	Bur Oak	Fagaceae	N Tree		5	FAC-	1	S5
Quercus rubra	Northern Red Oak	Fagaceae	N Tree		6	FACU	3	S5
Toxicodendron radicans	Poison Ivy	Anacardiaceae	N Vine		5	FAC+	-1	S5
Ribes cynosbati	Prickly Gooseberry	Grossulariaceae	N Shrub		4	UPL	5	S5
Rubus idaeus ssp. idaeus	Common Red Raspberry	Rosaceae	N Shrub		0	FACW-	-2	SNA
Rubus odoratus	Purple-flowering Raspberry	Rosaceae	N Shrub		3	UPL	5	S5

**Map Reference:** C02

**ELC community:** N/A

*Not Used*

Scientific Name:	Common Name:	Family:	Physiog.	Weed	C	Wetness	W	SRANK
Schizachne purpurascens	Purple False Melic	Poaceae	N Grass		6	FACU+	2	S5
Taraxacum officinale	Common Dandelion	Asteraceae	A Forb	-2		FACU	3	SNA
Thalictrum dioicum	Early Meadow-rue	Ranunculaceae	N Forb		5	FACU+	2	S5
Thuja occidentalis	Eastern White Cedar	Cupressaceae	N Tree		4	FACW	-3	S5
Trifolium pratense	Red Clover	Fabaceae	A Forb	-2		FACU+	2	SNA
Trifolium repens	White Clover	Fabaceae	A Forb	-1		FACU+	2	SNA
Tsuga canadensis	Eastern Hemlock	Pinaceae	N Tree		7	FACU	3	S5
Tussilago farfara	Colt's-foot	Asteraceae	A Forb	-2		FACU	3	SNA
Ulmus americana	American Elm	Ulmaceae	N Tree		3	FACW-	-2	S5
Verbascum thapsus	Common Mullein	Scrophulariaceae	A Forb	-2		UPL	5	SNA
Veronica officinalis	Common Speedwell	Scrophulariaceae	A Forb	-2		UPL	5	SNA
Viburnum acerifolium	Maple-leaved Viburnum	Caprifoliaceae	N Shrub		6	UPL	5	S5

### Floristic Quality Summary\*

#### Species Counts

#### Mean Coefficient of Conservatism

Total:	Native:	(%)	Non-Native	(%)
60	51	85	9	15

Natives only:	4
Natives and Non-Natives:	4

**Total Weediness Score:** -15

**Mean Wetness:** 1.8

**Map Reference:** C03

**ELC community:** N/A

*Not Used*

Scientific Name:	Common Name:	Family:	Physiog.	Weed	C	Wetness	W	SRANK
Acer saccharum	Sugar Maple	Aceraceae	N Tree		4	FACU	3	S5
Aralia nudicaulis	Wild Sarsaparilla	Araliaceae	N Forb		4	FACU	3	S5
Asplenium trichomanes	Maidenhair Spleenwort	Aspleniaceae	N Fern		8	UPL	5	S4
Athyrium filix-femina var. angustum	Northeastern Lady Fern	Dryopteridaceae	N Fern		4	FAC	0	S5
Betula alleghaniensis	Yellow Birch	Betulaceae	N Tree		6	FAC	0	S5
Boehmeria cylindrica	False Nettle	Urticaceae	N Forb		4	OBL	-5	S5
Caulophyllum thalictroides	Blue Cohosh	Berberidaceae	N Forb		6	UPL	5	S5
Cystopteris bulbifera	Bulblet Fern	Dryopteridaceae	N Fern		5	FACW-	-2	S5
Epipactis helleborine	Eastern Helleborine	Orchidaceae	A Forb	-2		UPL	5	SNA
Fraxinus nigra	Black Ash	Oleaceae	N Tree		7	FACW+	-4	S3
Laportea canadensis	Wood Nettle	Urticaceae	N Forb		6	FACW	-3	S5
Osmorhiza claytonii	Hairy Sweet Cicely	Apiaceae	N Forb		5	FACU-	4	S5
Thuja occidentalis	Eastern White Cedar	Cupressaceae	N Tree		4	FACW	-3	S5
Tsuga canadensis	Eastern Hemlock	Pinaceae	N Tree		7	FACU	3	S5
Ulmus americana	American Elm	Ulmaceae	N Tree		3	FACW-	-2	S5

Map Reference: C03

ELC community: N/A

Not Used

Scientific Name: Common Name: Family: Physiol. Weed C Wetness W SRANK

Floristic Quality Summary\*

Species Counts

Mean Coefficient of Conservatism

Total: Native: (%) Non-Native (%)
15 14 93 1 7

Natives only: 5
Natives and Non-Natives: 5

Total Weediness Score: -2

Mean Wetness: 0.6

Map Reference: C04

ELC community: N/A

Not Used

Table with 10 columns: Scientific Name, Common Name, Family, Physiol., Weed, C, Wetness, W, SRANK. Lists various plant species and their characteristics.



**Map Reference:** C04

**ELC community:** N/A

*Not Used*

<b>Scientific Name:</b>	<b>Common Name:</b>	<b>Family:</b>	<b>Physiog.</b>	<b>Weed</b>	<b>C</b>	<b>Wetness</b>	<b>W</b>	<b>SRANK</b>
Pteridium aquilinum	Bracken Fern	Dennstaedtiaceae	N Fern		2	FACU	3	S5
Quercus alba	White Oak	Fagaceae	N Tree		6	FACU	3	S5
Quercus macrocarpa	Bur Oak	Fagaceae	N Tree		5	FAC-	1	S5
Quercus rubra	Northern Red Oak	Fagaceae	N Tree		6	FACU	3	S5
Ranunculus acris	Tall Buttercup	Ranunculaceae	A Forb	-2		FACW-	-2	SNA
Rubus allegheniensis	Allegheny Blackberry	Rosaceae	N Shrub		2	FACU+	2	S5
Rubus idaeus ssp. idaeus	Common Red Raspberry	Rosaceae	N Shrub		0	FACW-	-2	SNA
Rudbeckia hirta	Black-eyed Susan	Asteraceae	A Forb	-1		FACU	3	S5
Scirpus atrovirens	Dark-green Bulrush	Cyperaceae	N Sedge		3	OBL	-5	S5
Taraxacum officinale	Common Dandelion	Asteraceae	A Forb	-2		FACU	3	SNA
Thuja occidentalis	Eastern White Cedar	Cupressaceae	N Tree		4	FACW	-3	S5
Tilia americana	American Basswood	Tiliaceae	N Tree		4	FACU	3	S5
Tussilago farfara	Colt's-foot	Asteraceae	A Forb	-2		FACU	3	SNA
Geum fragarioides	Barren Strawberry	Rosaceae	N Forb		5	UPL	5	S5

### Floristic Quality Summary\*

#### Species Counts

<b>Total:</b>	<b>Native: (%)</b>	<b>Non-Native (%)</b>
44	37	84
	7	16

**Total Weediness Score:** -11

#### Mean Coefficient of Conservatism

<b>Natives only:</b>	4
<b>Natives and Non-Natives:</b>	3

**Mean Wetness:** 0.4

**Map Reference:** C06

**ELC community:** N/A

*Not Used*

<b>Scientific Name:</b>	<b>Common Name:</b>	<b>Family:</b>	<b>Physiog.</b>	<b>Weed</b>	<b>C</b>	<b>Wetness</b>	<b>W</b>	<b>SRANK</b>
Abies balsamea	Balsam Fir	Pinaceae	N Tree		5	FACW	-3	S5
Acer rubrum	Red Maple	Aceraceae	N Tree		4	FAC	0	S5
Acer saccharinum	Silver Maple	Aceraceae	N Tree		5	FACW	-3	S5
Acer saccharum	Sugar Maple	Aceraceae	N Tree		4	FACU	3	S5
Agrimonia gryposepala	Hooked Agrimony	Rosaceae	N Forb		2	FACU+	2	S5
Ambrosia artemisiifolia	Common Ragweed	Asteraceae	N Forb		0	FACU	3	S5
Anemonastrum canadense	Canada Anemone	Ranunculaceae	N Forb		3	FACW	-3	S5
Antennaria neglecta	Field Pussytoes	Asteraceae	N Forb		3	UPL	5	S5
Apocynum androsaemifolium	Spreading Dogbane	Apocynaceae	N Forb		3	UPL	5	S5
Aralia nudicaulis	Wild Sarsaparilla	Araliaceae	N Forb		4	FACU	3	S5
Asclepias syriaca	Common Milkweed	Apocynaceae	N Forb		0	UPL	5	S5
Asplenium trichomanes	Maidenhair Spleenwort	Aspleniaceae	N Fern		8	UPL	5	S4
Symphyotrichum cordifolium	Heart-leaved Aster	Asteraceae	N Forb		5	UPL	5	S5
Eurybia macrophylla	Large-leaved Aster	Asteraceae	N Forb		5	UPL	5	S5
Athyrium filix-femina var. angustum	Northeastern Lady Fern	Dryopteridaceae	N Fern		4	FAC	0	S5
Betula papyrifera	Paper Birch	Betulaceae	N Tree		2	FACU+	2	S5

Map Reference: C06

ELC community: N/A

Not Used

Scientific Name:	Common Name:	Family:	Physiog.	Weed	C	Wetness	W	SRANK
Boehmeria cylindrica	False Nettle	Urticaceae	N Forb		4	OBL	-5	S5
Bromus ciliatus	Fringed Brome	Poaceae	N Grass		6	FACW	-3	S5
Calystegia spithamea	Low False Bindweed	Convolvulaceae	N Forb		7	UPL	5	S4S5
Carex arctata	Drooping Woodland Sedge	Cyperaceae	N Sedge		5	UPL	5	S5
Carex brunnescens ssp. brunnescens	Brownish Sedge	Cyperaceae	N Sedge		7	FACW	-3	SU
Carex intumescens	Bladder Sedge	Cyperaceae	N Sedge		6	FACW+	-4	S5
Carex pedunculata	Long-stalked Sedge	Cyperaceae	N Sedge		5	UPL	5	S5
Carex retrorsa	Retorse Sedge	Cyperaceae	N Sedge		5	OBL	-5	S5
Carex vulpinoidea	Fox Sedge	Cyperaceae	N Sedge		3	OBL	-5	S5
Leucanthemum vulgare	Oxeye Daisy	Asteraceae	A Forb	-1		UPL	5	SNA
Circaea alpina	Small Enchanter's Nightshade	Onagraceae	N Forb		6	FACW	-3	S5
Circaea canadensis	Broad-leaved Enchanter's Nightshade	Onagraceae	N Forb		3	FACU	3	S5
Clinopodium vulgare	Wild Basil	Lamiaceae	N Forb		4	UPL	5	S5
Cornus canadensis	Bunchberry	Cornaceae	N Shrub		7	FAC	0	S5
Cornus rugosa	Round-leaved Dogwood	Cornaceae	N Shrub		6	UPL	5	S5
Cystopteris bulbifera	Bulblet Fern	Dryopteridaceae	N Fern		5	FACW-	-2	S5
Danthonia spicata	Poverty Oatgrass	Poaceae	N Grass		5	UPL	5	S5
Avenella flexuosa	Wavy Hairgrass	Poaceae	N Grass		8	UPL	5	S5
Dianthus armeria	Deptford Pink	Caryophyllaceae	A Forb	-1		UPL	5	SNA
Dryopteris cristata	Crested Wood Fern	Dryopteridaceae	N Fern		7	OBL	-5	S5
Echium vulgare	Common Viper's Bugloss	Boraginaceae	A Forb	-2		UPL	5	SNA
Elymus trachycaulus ssp. trachycaulus	Slender Wildrye	Poaceae	N Grass		7	FAC	0	S5
Epipactis helleborine	Eastern Helleborine	Orchidaceae	A Forb	-2		UPL	5	SNA
Equisetum arvense	Field Horsetail	Equisetaceae	N Fern		0	FAC	0	S5
Erigeron annuus	Annual Fleabane	Asteraceae	N Forb		0	FAC-	1	S5
Euthamia graminifolia	Grass-leaved Goldenrod	Asteraceae	N Forb		2	FACW-	-2	S5
Fragaria virginiana	Wild Strawberry	Rosaceae	N Forb		2	FAC-	1	S5
Fraxinus americana	White Ash	Oleaceae	N Tree		4	FACU	3	S4
Fraxinus nigra	Black Ash	Oleaceae	N Tree		7	FACW+	-4	S3
Galium asprellum	Rough Bedstraw	Rubiaceae	N Forb		6	OBL	-5	S5
Gaultheria procumbens	Eastern Teaberry	Ericaceae	N Shrub		6	FACU	3	S5
Hedeoma hispida	Rough False Pennyroyal	Lamiaceae	N Forb		7	UPL	5	S4
Pilosella piloselloides ssp. piloselloides	Tall Hawkweed	Asteraceae	A Forb	-2		UPL	5	SNA
Impatiens capensis	Spotted Jewelweed	Balsaminaceae	N Forb		4	FACW	-3	S5
Juncus tenuis	Path Rush	Juncaceae	N Forb		0	FAC	0	S5
Lobelia inflata	Indian-tobacco	Campanulaceae	N Forb		3	FACU-	4	S5
Lonicera canadensis	Canada Fly Honeysuckle	Caprifoliaceae	N Shrub		6	FACU	3	S5
Lonicera dioica	Limber Honeysuckle	Caprifoliaceae	N Vine		5	FACU	3	S5
Maianthemum canadense ssp. canadense	Wild Lily-of-the-valley	Liliaceae	N Forb		5	FAC	0	S5
Matteuccia struthiopteris	Ostrich Fern	Dryopteridaceae	N Fern		5	FACW	-3	S5
Melampyrum lineare	American Cow-wheat	Scrophulariaceae	N Forb		6	FAC-	1	S5
Melilotus albus	White Sweet-clover	Fabaceae	A Forb	-3		FACU	3	SNA
Oenothera perennis	Perennial Evening-primrose	Onagraceae	N Forb		6	FAC	0	S5
Onoclea sensibilis	Sensitive Fern	Dryopteridaceae	N Fern		4	FACW	-3	S5
Oryzopsis asperifolia	White-grained Mountain-ricegrass	Poaceae	N Grass		6	UPL	5	S5
Parthenocissus quinquefolia	Virginia Creeper	Vitaceae	N Vine		6	FAC-	1	S4?

Friday, May 21, 2021

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Map Reference: C06

ELC community: N/A

Not Used

Scientific Name:	Common Name:	Family:	Physiog.	Weed	C	Wetness	W	SRANK
<i>Phegopteris connectilis</i>	Northern Beech Fern	Thelypteridaceae	N Fern		8	UPL	5	S5
<i>Picea glauca</i>	White Spruce	Pinaceae	N Tree		6	FACU	3	S5
<i>Pinus strobus</i>	Eastern White Pine	Pinaceae	N Tree		4	FACU	3	S5
<i>Plantago major</i>	Common Plantain	Plantaginaceae	A Forb	-1		FAC+	-1	SNA
<i>Poa compressa</i>	Canada Bluegrass	Poaceae	N Grass		0	FACU+	2	SNA
<i>Polygaloides paucifolia</i>	Gay-wing Milkwort	Polygalaceae	N Forb		6	FACU	3	S5
<i>Polygonatum pubescens</i>	Hairy Solomon's Seal	Liliaceae	N Forb		5	UPL	5	S5
<i>Populus grandidentata</i>	Large-toothed Aspen	Salicaceae	N Tree		5	FACU	3	S5
<i>Populus tremuloides</i>	Trembling Aspen	Salicaceae	N Tree		2	FAC	0	S5
<i>Potentilla recta</i>	Sulphur Cinquefoil	Rosaceae	A Forb	-2		UPL	5	SNA
<i>Nabalus albus</i>	White Rattlesnakeroot	Asteraceae	N Forb		6	FACU	3	S5
<i>Prunella vulgaris</i> ssp. <i>vulgaris</i>	Common Self-heal	Lamiaceae	A Forb	-1		FAC	0	SNA
<i>Pteridium aquilinum</i>	Bracken Fern	Dennstaedtiaceae	N Fern		2	FACU	3	S5
<i>Pyrola elliptica</i>	Shinleaf	Pyrolaceae	N Forb		5	UPL	5	S5
<i>Quercus macrocarpa</i>	Bur Oak	Fagaceae	N Tree		5	FAC-	1	S5
<i>Quercus rubra</i>	Northern Red Oak	Fagaceae	N Tree		6	FACU	3	S5
<i>Endotropis alnifolia</i>	Alder-leaved Buckthorn	Rhamnaceae	N Shrub		7	OBL	-5	S5
<i>Rosa acicularis</i>	Prickly Rose	Rosaceae	N Shrub		7	FACU	3	S5
<i>Rubus allegheniensis</i>	Allegheny Blackberry	Rosaceae	N Shrub		2	FACU+	2	S5
<i>Rubus idaeus</i> ssp. <i>idaeus</i>	Common Red Raspberry	Rosaceae	N Shrub		0	FACW-	-2	SNA
<i>Rubus occidentalis</i>	Black Raspberry	Rosaceae	N Shrub		2	UPL	5	S5
<i>Rubus odoratus</i>	Purple-flowering Raspberry	Rosaceae	N Shrub		3	UPL	5	S5
<i>Rubus pubescens</i>	Dewberry	Rosaceae	N Forb		4	FACW+	-4	S5
<i>Rudbeckia hirta</i>	Black-eyed Susan	Asteraceae	A Forb	-1		FACU	3	S5
<i>Solanum dulcamara</i>	Bittersweet Nightshade	Solanaceae	A Vine	-2		FAC	0	SNA
<i>Solidago juncea</i>	Early Goldenrod	Asteraceae	N Forb		3	UPL	5	S5
<i>Solidago nemoralis</i> ssp. <i>nemoralis</i>	Gray-stemmed Goldenrod	Asteraceae	N Forb		2	UPL	5	S5
<i>Solidago rugosa</i> ssp. <i>rugosa</i>	Northern Rough-stemmed Goldenrod	Asteraceae	N Forb		4	FAC+	-1	S5
<i>Spiraea alba</i>	White Meadowsweet	Rosaceae	N Shrub		3	FACW+	-4	S5
<i>Thelypteris palustris</i>	Marsh Fern	Thelypteridaceae	N Fern		5	FACW+	-4	S5
<i>Thuja occidentalis</i>	Eastern White Cedar	Cupressaceae	N Tree		4	FACW	-3	S5
<i>Lysimachia borealis</i>	Northern Starflower	Primulaceae	N Forb		6	FAC+	-1	S5
<i>Trifolium aureum</i>	Yellow Clover	Fabaceae	A Forb	-1		UPL	5	SNA
<i>Trifolium pratense</i>	Red Clover	Fabaceae	A Forb	-2		FACU+	2	SNA
<i>Trifolium repens</i>	White Clover	Fabaceae	A Forb	-1		FACU+	2	SNA
<i>Verbascum thapsus</i>	Common Mullein	Scrophulariaceae	A Forb	-2		UPL	5	SNA
<i>Viburnum acerifolium</i>	Maple-leaved Viburnum	Caprifoliaceae	N Shrub		6	UPL	5	S5
<i>Viburnum rafinesqueanum</i>	Downy Arrowwood	Caprifoliaceae	N Shrub		7	UPL	5	S5
<i>Geum fragarioides</i>	Barren Strawberry	Rosaceae	N Forb		5	UPL	5	S5

Map Reference: C06

ELC community: N/A  
Not Used

Scientific Name: Common Name: Family: Physiol. Weed C Wetness W SRANK

Floristic Quality Summary\*

Species Counts

Mean Coefficient of Conservatism

Total: Native: (%) Non-Native (%)  
101 86 85 15 15

Natives only: 4  
Natives and Non-Natives: 4

Total Weediness Score: -24

Mean Wetness: 1.5

Map Reference: C10

ELC community: N/A  
Not Used

Scientific Name:	Common Name:	Family:	Physiol.	Weed	C	Wetness	W	SRANK
Abies balsamea	Balsam Fir	Pinaceae	N Tree		5	FACW	-3	S5
Acer rubrum	Red Maple	Aceraceae	N Tree		4	FAC	0	S5
Acer saccharum	Sugar Maple	Aceraceae	N Tree		4	FACU	3	S5
Amelanchier laevis	Smooth Serviceberry	Rosaceae	N Tree		5	UPL	5	S5
Aralia nudicaulis	Wild Sarsaparilla	Araliaceae	N Forb		4	FACU	3	S5
Eurybia macrophylla	Large-leaved Aster	Asteraceae	N Forb		5	UPL	5	S5
Carex scoparia	Pointed Broom Sedge	Cyperaceae	N Sedge		5	FACW	-3	S5
Carex vulpinoidea	Fox Sedge	Cyperaceae	N Sedge		3	OBL	-5	S5
Clinopodium vulgare	Wild Basil	Lamiaceae	N Forb		4	UPL	5	S5
Cornus canadensis	Bunchberry	Cornaceae	N Shrub		7	FAC	0	S5
Danthonia spicata	Poverty Oatgrass	Poaceae	N Grass		5	UPL	5	S5
Deschampsia cespitosa	Tufted Hairgrass	Poaceae	N Grass		9	FACW+	-4	S5
Avenella flexuosa	Wavy Hairgrass	Poaceae	N Grass		8	UPL	5	S5
Elymus trachycaulus ssp. trachycaulus	Slender Wildrye	Poaceae	N Grass		7	FAC	0	S5
Equisetum arvense	Field Horsetail	Equisetaceae	N Fern		0	FAC	0	S5
Euthamia graminifolia	Grass-leaved Goldenrod	Asteraceae	N Forb		2	FACW-	-2	S5
Fraxinus americana	White Ash	Oleaceae	N Tree		4	FACU	3	S4
Gaultheria procumbens	Eastern Teaberry	Ericaceae	N Shrub		6	FACU	3	S5
Geranium bicknellii	Bicknell's Geranium	Geraniaceae	N Forb		5	UPL	5	S5
Pilosella aurantiaca	Orange Hawkweed	Asteraceae	A Forb	-2		UPL	5	SNA
Pilosella piloselloides ssp. piloselloides	Tall Hawkweed	Asteraceae	A Forb	-2		UPL	5	SNA
Hypericum perforatum	Common St. John's-wort	Clusiaceae	A Forb	-3		UPL	5	SNA
Maianthemum canadense ssp. canadense	Wild Lily-of-the-valley	Liliaceae	N Forb		5	FAC	0	S5
Melampyrum lineare	American Cow-wheat	Scrophulariaceae	N Forb		6	FAC-	1	S5
Melilotus albus	White Sweet-clover	Fabaceae	A Forb	-3		FACU	3	SNA
Oryzopsis asperifolia	White-grained Mountain-ricegrass	Poaceae	N Grass		6	UPL	5	S5
Dichanthelium implicatum	Slender-stemmed Panicgrass	Poaceae	N Grass		2	FAC	0	S5
Parthenocissus quinquefolia	Virginia Creeper	Vitaceae	N Vine		6	FAC-	1	S4?

Map Reference: C10

ELC community: N/A

Not Used

Scientific Name:	Common Name:	Family:	Physiog.	Weed	C	Wetness	W	SRANK
Picea glauca	White Spruce	Pinaceae	N Tree		6	FACU	3	S5
Polygaloides paucifolia	Gay-wing Milkwort	Polygalaceae	N Forb		6	FACU	3	S5
Populus grandidentata	Large-toothed Aspen	Salicaceae	N Tree		5	FACU	3	S5
Prunus pensylvanica	Pin Cherry	Rosaceae	N Tree		3	FACU-	4	S5
Pteridium aquilinum	Bracken Fern	Dennstaedtiaceae	N Fern		2	FACU	3	S5
Quercus rubra	Northern Red Oak	Fagaceae	N Tree		6	FACU	3	S5
Rubus allegheniensis	Allegheny Blackberry	Rosaceae	N Shrub		2	FACU+	2	S5
Rubus idaeus ssp. idaeus	Common Red Raspberry	Rosaceae	N Shrub		0	FACW-	-2	SNA
Rudbeckia hirta	Black-eyed Susan	Asteraceae	A Forb	-1		FACU	3	S5
Rumex acetosella	Sheep Sorrel	Polygonaceae	A Forb	-2		FAC	0	SNA
Solidago juncea	Early Goldenrod	Asteraceae	N Forb		3	UPL	5	S5
Solidago rugosa ssp. rugosa	Northern Rough-stemmed Goldenrod	Asteraceae	N Forb		4	FAC+	-1	S5
Spiraea alba	White Meadowsweet	Rosaceae	N Shrub		3	FACW+	-4	S5
Thuja occidentalis	Eastern White Cedar	Cupressaceae	N Tree		4	FACW	-3	S5
Lysimachia borealis	Northern Starflower	Primulaceae	N Forb		6	FAC+	-1	S5
Trifolium aureum	Yellow Clover	Fabaceae	A Forb	-1		UPL	5	SNA
Trifolium hybridum	Alsike Clover	Fabaceae	A Forb	-1		FAC-	1	SNA
Ulmus americana	American Elm	Ulmaceae	N Tree		3	FACW-	-2	S5
Verbascum thapsus	Common Mullein	Scrophulariaceae	A Forb	-2		UPL	5	SNA
Verbena hastata	Blue Vervain	Verbenaceae	N Forb		4	FACW+	-4	S5

### Floristic Quality Summary\*

#### Species Counts

Total:	Native:	(%)	Non-Native	(%)
48	39	81	9	19

Total Weediness Score: -17

#### Mean Coefficient of Conservatism

Natives only:	4
Natives and Non-Natives:	4

Mean Wetness: 1.5

Map Reference: C11

ELC community: N/A

Not Used

Scientific Name:	Common Name:	Family:	Physiog.	Weed	C	Wetness	W	SRANK
Abies balsamea	Balsam Fir	Pinaceae	N Tree		5	FACW	-3	S5
Acer saccharum	Sugar Maple	Aceraceae	N Tree		4	FACU	3	S5
Achillea millefolium	Common Yarrow	Asteraceae	A Forb	-1		FACU	3	SNA
Ambrosia artemisiifolia	Common Ragweed	Asteraceae	N Forb		0	FACU	3	S5
Amelanchier laevis	Smooth Serviceberry	Rosaceae	N Tree		5	UPL	5	S5
Aralia nudicaulis	Wild Sarsaparilla	Araliaceae	N Forb		4	FACU	3	S5
Eurybia macrophylla	Large-leaved Aster	Asteraceae	N Forb		5	UPL	5	S5
Betula papyrifera	Paper Birch	Betulaceae	N Tree		2	FACU+	2	S5
Bromus inermis	Smooth Brome	Poaceae	A Grass	-3		UPL	5	SNA
Leucanthemum vulgare	Oxeye Daisy	Asteraceae	A Forb	-1		UPL	5	SNA

**Map Reference:** C11

**ELC community:** N/A

*Not Used*

Scientific Name:	Common Name:	Family:	Physiog.	Weed	C	Wetness	W	SRANK
Corylus cornuta	Beaked Hazelnut	Betulaceae	N Shrub		5	UPL	5	S5
Epipactis helleborine	Eastern Helleborine	Orchidaceae	A Forb	-2		UPL	5	SNA
Fraxinus americana	White Ash	Oleaceae	N Tree		4	FACU	3	S4
Hepatica americana	Round-lobed Hepatica	Ranunculaceae	N Forb		6	UPL	5	S5
Elymus hystrix	Bottlebrush Grass	Poaceae	N Grass		5	UPL	5	S5
Lonicera canadensis	Canada Fly Honeysuckle	Caprifoliaceae	N Shrub		6	FACU	3	S5
Maianthemum canadense ssp. canadense	Wild Lily-of-the-valley	Liliaceae	N Forb		5	FAC	0	S5
Medicago lupulina	Black Medic	Fabaceae	A Forb	-1		FAC-	1	SNA
Melilotus albus	White Sweet-clover	Fabaceae	A Forb	-3		FACU	3	SNA
Mitella diphylla	Two-leaved Mitrewort	Saxifragaceae	N Forb		5	FACU+	2	S5
Oryzopsis asperifolia	White-grained Mountain-ricegrass	Poaceae	N Grass		6	UPL	5	S5
Ostrya virginiana	Eastern Hop-hornbeam	Betulaceae	N Tree		4	FACU-	4	S5
Picea glauca	White Spruce	Pinaceae	N Tree		6	FACU	3	S5
Pinus strobus	Eastern White Pine	Pinaceae	N Tree		4	FACU	3	S5
Plantago major	Common Plantain	Plantaginaceae	A Forb	-1		FAC+	-1	SNA
Polygaloides paucifolia	Gay-wing Milkwort	Polygalaceae	N Forb		6	FACU	3	S5
Polygonatum pubescens	Hairy Solomon's Seal	Liliaceae	N Forb		5	UPL	5	S5
Populus grandidentata	Large-toothed Aspen	Salicaceae	N Tree		5	FACU	3	S5
Populus tremuloides	Trembling Aspen	Salicaceae	N Tree		2	FAC	0	S5
Prunus serotina	Black Cherry	Rosaceae	N Tree		3	FACU	3	S5
Pteridium aquilinum	Bracken Fern	Dennstaedtiaceae	N Fern		2	FACU	3	S5
Quercus rubra	Northern Red Oak	Fagaceae	N Tree		6	FACU	3	S5
Toxicodendron radicans	Poison Ivy	Anacardiaceae	N Vine		5	FAC+	-1	S5
Rhus typhina	Staghorn Sumac	Anacardiaceae	N Tree		1	UPL	5	S5
Rubus allegheniensis	Allegheny Blackberry	Rosaceae	N Shrub		2	FACU+	2	S5
Rubus idaeus ssp. idaeus	Common Red Raspberry	Rosaceae	N Shrub		0	FACW-	-2	SNA
Rubus odoratus	Purple-flowering Raspberry	Rosaceae	N Shrub		3	UPL	5	S5
Solidago juncea	Early Goldenrod	Asteraceae	N Forb		3	UPL	5	S5
Thuja occidentalis	Eastern White Cedar	Cupressaceae	N Tree		4	FACW	-3	S5
Tilia americana	American Basswood	Tiliaceae	N Tree		4	FACU	3	S5
Tsuga canadensis	Eastern Hemlock	Pinaceae	N Tree		7	FACU	3	S5
Ulmus americana	American Elm	Ulmaceae	N Tree		3	FACW-	-2	S5
Viburnum acerifolium	Maple-leaved Viburnum	Caprifoliaceae	N Shrub		6	UPL	5	S5
Geum fragarioides	Barren Strawberry	Rosaceae	N Forb		5	UPL	5	S5

## Floristic Quality Summary\*

### Species Counts

Total:	Native:	(%)	Non-Native	(%)
44	37	84	7	16

**Total Weediness Score:** -12

### Mean Coefficient of Conservatism

<b>Natives only:</b>	4
<b>Natives and Non-Natives:</b>	3

**Mean Wetness:** 2.8

Map Reference: C12

ELC community: N/A

Not Used

Scientific Name:	Common Name:	Family:	Physiog.	Weed	C	Wetness	W	SRANK
Acer rubrum	Red Maple	Aceraceae	N Tree		4	FAC	0	S5
Amelanchier laevis	Smooth Serviceberry	Rosaceae	N Tree		5	UPL	5	S5
Aralia nudicaulis	Wild Sarsaparilla	Araliaceae	N Forb		4	FACU	3	S5
Betula papyrifera	Paper Birch	Betulaceae	N Tree		2	FACU+	2	S5
Larix laricina	Tamarack	Pinaceae	N Tree		7	FACW	-3	S5
Maianthemum canadense ssp. canadense	Wild Lily-of-the-valley	Liliaceae	N Forb		5	FAC	0	S5
Oryzopsis asperifolia	White-grained Mountain-ricegrass	Poaceae	N Grass		6	UPL	5	S5
Picea glauca	White Spruce	Pinaceae	N Tree		6	FACU	3	S5
Pinus strobus	Eastern White Pine	Pinaceae	N Tree		4	FACU	3	S5
Polygaloides paucifolia	Gay-wing Milkwort	Polygalaceae	N Forb		6	FACU	3	S5
Polygonatum pubescens	Hairy Solomon's Seal	Liliaceae	N Forb		5	UPL	5	S5
Pteridium aquilinum	Bracken Fern	Dennstaedtiaceae	N Fern		2	FACU	3	S5
Quercus rubra	Northern Red Oak	Fagaceae	N Tree		6	FACU	3	S5
Rubus idaeus ssp. idaeus	Common Red Raspberry	Rosaceae	N Shrub		0	FACW-	-2	SNA
Thuja occidentalis	Eastern White Cedar	Cupressaceae	N Tree		4	FACW	-3	S5
Tilia americana	American Basswood	Tiliaceae	N Tree		4	FACU	3	S5
Ulmus americana	American Elm	Ulmaceae	N Tree		3	FACW-	-2	S5

### Floristic Quality Summary\*

#### Species Counts

Total:	Native:	(%)	Non-Native	(%)
17	17	100	0	0

#### Mean Coefficient of Conservatism

Natives only:	4
Natives and Non-Natives:	4

#### Total Weediness Score:

Mean Wetness:	1.6
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Map Reference: C13

ELC community: N/A

Not Used

Scientific Name:	Common Name:	Family:	Physiog.	Weed	C	Wetness	W	SRANK
Acer saccharum	Sugar Maple	Aceraceae	N Tree		4	FACU	3	S5
Achillea millefolium	Common Yarrow	Asteraceae	A Forb	-1		FACU	3	SNA
Apocynum androsaemifolium	Spreading Dogbane	Apocynaceae	N Forb		3	UPL	5	S5
Aralia nudicaulis	Wild Sarsaparilla	Araliaceae	N Forb		4	FACU	3	S5
Asclepias syriaca	Common Milkweed	Apocynaceae	N Forb		0	UPL	5	S5
Symphotrichum cordifolium	Heart-leaved Aster	Asteraceae	N Forb		5	UPL	5	S5
Eurybia macrophylla	Large-leaved Aster	Asteraceae	N Forb		5	UPL	5	S5
Betula papyrifera	Paper Birch	Betulaceae	N Tree		2	FACU+	2	S5
Carduus nutans ssp. nutans	Nodding Thistle	Asteraceae	A Forb	-1		UPL	5	SNA
Clinopodium vulgare	Wild Basil	Lamiaceae	N Forb		4	UPL	5	S5
Danthonia spicata	Poverty Oatgrass	Poaceae	N Grass		5	UPL	5	S5
Daucus carota	Wild Carrot	Apiaceae	A Forb	-2		UPL	5	SNA
Equisetum arvense	Field Horsetail	Equisetaceae	N Fern		0	FAC	0	S5

Map Reference: C13

ELC community: N/A

Not Used

Scientific Name:	Common Name:	Family:	Physiog.	Weed	C	Wetness	W	SRANK
Euthamia graminifolia	Grass-leaved Goldenrod	Asteraceae	N Forb		2	FACW-	-2	S5
Fragaria virginiana	Wild Strawberry	Rosaceae	N Forb		2	FAC-	1	S5
Fraxinus americana	White Ash	Oleaceae	N Tree		4	FACU	3	S4
Geum macrophyllum var. macrophyllum	Large-leaved Avens	Rosaceae	N Forb		9	FACW+	-4	SU
Hypericum perforatum	Common St. John's-wort	Clusiaceae	A Forb	-3		UPL	5	SNA
Juniperus communis	Common Juniper	Cupressaceae	N Shrub		4	FACU	3	S5
Lonicera canadensis	Canada Fly Honeysuckle	Caprifoliaceae	N Shrub		6	FACU	3	S5
Maianthemum canadense ssp. canadense	Wild Lily-of-the-valley	Liliaceae	N Forb		5	FAC	0	S5
Oryzopsis asperifolia	White-grained Mountain-ricegrass	Poaceae	N Grass		6	UPL	5	S5
Ostrya virginiana	Eastern Hop-hornbeam	Betulaceae	N Tree		4	FACU-	4	S5
Parthenocissus quinquefolia	Virginia Creeper	Vitaceae	N Vine		6	FAC-	1	S4?
Picea glauca	White Spruce	Pinaceae	N Tree		6	FACU	3	S5
Pinus strobus	Eastern White Pine	Pinaceae	N Tree		4	FACU	3	S5
Plantago major	Common Plantain	Plantaginaceae	A Forb	-1		FAC+	-1	SNA
Polygaloides paucifolia	Gay-wing Milkwort	Polygalaceae	N Forb		6	FACU	3	S5
Polygonatum pubescens	Hairy Solomon's Seal	Liliaceae	N Forb		5	UPL	5	S5
Populus grandidentata	Large-toothed Aspen	Salicaceae	N Tree		5	FACU	3	S5
Populus tremuloides	Trembling Aspen	Salicaceae	N Tree		2	FAC	0	S5
Potentilla recta	Sulphur Cinquefoil	Rosaceae	A Forb	-2		UPL	5	SNA
Prunella vulgaris ssp. vulgaris	Common Self-heal	Lamiaceae	A Forb	-1		FAC	0	SNA
Pteridium aquilinum	Bracken Fern	Dennstaedtiaceae	N Fern		2	FACU	3	S5
Quercus alba	White Oak	Fagaceae	N Tree		6	FACU	3	S5
Quercus macrocarpa	Bur Oak	Fagaceae	N Tree		5	FAC-	1	S5
Quercus rubra	Northern Red Oak	Fagaceae	N Tree		6	FACU	3	S5
Toxicodendron radicans	Poison Ivy	Anacardiaceae	N Vine		5	FAC+	-1	S5
Rubus allegheniensis	Allegheny Blackberry	Rosaceae	N Shrub		2	FACU+	2	S5
Rubus idaeus ssp. idaeus	Common Red Raspberry	Rosaceae	N Shrub		0	FACW-	-2	SNA
Rubus occidentalis	Black Raspberry	Rosaceae	N Shrub		2	UPL	5	S5
Rubus odoratus	Purple-flowering Raspberry	Rosaceae	N Shrub		3	UPL	5	S5
Rudbeckia hirta	Black-eyed Susan	Asteraceae	A Forb	-1		FACU	3	S5
Solidago juncea	Early Goldenrod	Asteraceae	N Forb		3	UPL	5	S5
Symphoricarpos albus var. albus	Common Snowberry	Caprifoliaceae	N Shrub		7	FACU-	4	S5
Tilia americana	American Basswood	Tiliaceae	N Tree		4	FACU	3	S5
Trifolium aureum	Yellow Clover	Fabaceae	A Forb	-1		UPL	5	SNA
Trifolium pratense	Red Clover	Fabaceae	A Forb	-2		FACU+	2	SNA
Tsuga canadensis	Eastern Hemlock	Pinaceae	N Tree		7	FACU	3	S5
Ulmus americana	American Elm	Ulmaceae	N Tree		3	FACW-	-2	S5
Verbascum thapsus	Common Mullein	Scrophulariaceae	A Forb	-2		UPL	5	SNA
Verbena hastata	Blue Vervain	Verbenaceae	N Forb		4	FACW+	-4	S5
Viburnum acerifolium	Maple-leaved Viburnum	Caprifoliaceae	N Shrub		6	UPL	5	S5
Geum fragarioides	Barren Strawberry	Rosaceae	N Forb		5	UPL	5	S5



Map Reference: C13

ELC community: N/A

Not Used

Scientific Name: Common Name: Family: Physiog. Weed C Wetness W SRANK

Floristic Quality Summary\*

Species Counts

Mean Coefficient of Conservatism

Total: Native: (%) Non-Native (%)
54 43 80 11 20

Natives only: 4
Natives and Non-Natives: 3

Total Weediness Score: -17

Mean Wetness: 2.7

Map Reference: C15

ELC community: N/A

Not Used

Table with 9 columns: Scientific Name, Common Name, Family, Physiog., Weed, C, Wetness, W, SRANK. Lists various plant species and their characteristics.

Map Reference: C15

ELC community: N/A

Not Used

Scientific Name: Common Name: Family: Physiol. Weed C Wetness W SRANK

Floristic Quality Summary\*

Species Counts

Mean Coefficient of Conservatism

Total: Native: (%) Non-Native (%)
23 21 91 2 9

Natives only: 4
Natives and Non-Natives: 4

Total Weediness Score: -4

Mean Wetness: 3.1

Map Reference: C16

ELC community: N/A

Not Used

Table with 10 columns: Scientific Name, Common Name, Family, Physiol., Weed, C, Wetness, W, SRANK. Lists various plant species and their characteristics.

**Map Reference:** C16

**ELC community:** N/A

*Not Used*

Scientific Name:	Common Name:	Family:	Physiog.	Weed	C	Wetness	W	SRANK
Rubus occidentalis	Black Raspberry	Rosaceae	N Shrub		2	UPL	5	S5
Rudbeckia hirta	Black-eyed Susan	Asteraceae	A Forb	-1		FACU	3	S5
Solidago juncea	Early Goldenrod	Asteraceae	N Forb		3	UPL	5	S5
Solidago nemoralis ssp. nemoralis	Gray-stemmed Goldenrod	Asteraceae	N Forb		2	UPL	5	S5
Solidago rugosa ssp. rugosa	Northern Rough-stemmed Goldenrod	Asteraceae	N Forb		4	FAC+	-1	S5
Spiraea alba	White Meadowsweet	Rosaceae	N Shrub		3	FACW+	-4	S5
Symphoricarpos albus var. albus	Common Snowberry	Caprifoliaceae	N Shrub		7	FACU-	4	S5
Tilia americana	American Basswood	Tiliaceae	N Tree		4	FACU	3	S5
Trifolium aureum	Yellow Clover	Fabaceae	A Forb	-1		UPL	5	SNA
Trifolium pratense	Red Clover	Fabaceae	A Forb	-2		FACU+	2	SNA
Verbascum thapsus	Common Mullein	Scrophulariaceae	A Forb	-2		UPL	5	SNA
Verbena hastata	Blue Vervain	Verbenaceae	N Forb		4	FACW+	-4	S5
Vicia cracca	Tufted Vetch	Fabaceae	A Forb	-1		UPL	5	SNA

### Floristic Quality Summary\*

#### Species Counts

Total:	Native:	(%)	Non-Native	(%)
43	32	74	11	26

**Total Weediness Score:** -20

#### Mean Coefficient of Conservatism

<b>Natives only:</b>	3
<b>Natives and Non-Natives:</b>	2

**Mean Wetness:** 2.6

**Map Reference:** iNaturalist

**ELC community:** N/A

*Not Used*

Scientific Name:	Common Name:	Family:	Physiog.	Weed	C	Wetness	W	SRANK
Abies balsamea	Balsam Fir	Pinaceae	N Tree		5	FACW	-3	S5
Acalypha rhomboidea	Common Three-seeded Mercury	Euphorbiaceae	N Forb		0	FACU	3	S5
Acer rubrum	Red Maple	Aceraceae	N Tree		4	FAC	0	S5
Acer saccharum	Sugar Maple	Aceraceae	N Tree		4	FACU	3	S5
Achillea millefolium	Common Yarrow	Asteraceae	A Forb	-1		FACU	3	SNA
Actaea pachypoda	White Baneberry	Ranunculaceae	N Forb		6	UPL	5	S5
Adiantum pedatum	Northern Maidenhair Fern	Pteridaceae	N Fern		7	FAC-	1	S5
Agrimonia gryposepala	Hooked Agrimony	Rosaceae	N Forb		2	FACU+	2	S5
Agrostis gigantea	Redtop	Poaceae	A Grass	-1		FAC	0	SNA
Agrostis scabra	Rough Bentgrass	Poaceae	N Grass		6	FAC	0	S5
Alisma subcordatum	Southern Water-plantain	Alismataceae	N Forb		3	OBL	-5	S4?
Alnus incana	Gray Alder	Betulaceae	N Shrub		6	OBL	-5	S5
Ambrosia artemisiifolia	Common Ragweed	Asteraceae	N Forb		0	FACU	3	S5
Anaphalis margaritacea	Pearly Everlasting	Asteraceae	N Forb		3	UPL	5	S5
Anemonastrum canadense	Canada Anemone	Ranunculaceae	N Forb		3	FACW	-3	S5

Map Reference: *iNaturalist*

ELC community: *N/A*

Not Used

Scientific Name:	Common Name:	Family:	Physiog.	Weed	C	Wetness	W	SRANK
<i>Anemone cylindrica</i>	Long-headed Anemone	Ranunculaceae	N Forb		7	UPL	5	S4
<i>Anemone virginiana</i> var. <i>virginiana</i>	Tall Anemone	Ranunculaceae	N Forb		4	UPL	5	S5?
<i>Apocynum androsaemifolium</i>	Spreading Dogbane	Apocynaceae	N Forb		3	UPL	5	S5
<i>Turritis glabra</i>	Tower-mustard	Brassicaceae	N Forb		4	UPL	5	S5
<i>Aralia nudicaulis</i>	Wild Sarsaparilla	Araliaceae	N Forb		4	FACU	3	S5
<i>Aralia racemosa</i>	American Spikenard	Araliaceae	N Forb		7	UPL	5	S5
<i>Arctium minus</i>	Common Burdock	Asteraceae	A Forb	-2		UPL	5	SNA
<i>Asclepias incarnata</i>	Swamp Milkweed	Apocynaceae	N Forb		6	OBL	-5	S5
<i>Asclepias syriaca</i>	Common Milkweed	Apocynaceae	N Forb		0	UPL	5	S5
<i>Asparagus officinalis</i>	Garden Asparagus	Liliaceae	A Forb	-1		FACU	3	SNA
<i>Symphotrichum cordifolium</i>	Heart-leaved Aster	Asteraceae	N Forb		5	UPL	5	S5
<i>Symphotrichum lateriflorum</i> var. <i>lateriflorum</i>	Calico Aster	Asteraceae	N Forb		3	FACW-	-2	S5
<i>Symphotrichum novae-angliae</i>	New England Aster	Asteraceae	N Forb		2	FACW	-3	S5
<i>Athyrium filix-femina</i> var. <i>angustum</i>	Northeastern Lady Fern	Dryopteridaceae	N Fern		4	FAC	0	S5
<i>Betula papyrifera</i>	Paper Birch	Betulaceae	N Tree		2	FACU+	2	S5
<i>Boehmeria cylindrica</i>	False Nettle	Urticaceae	N Forb		4	OBL	-5	S5
<i>Bromus ciliatus</i>	Fringed Brome	Poaceae	N Grass		6	FACW	-3	S5
<i>Bromus inermis</i>	Smooth Brome	Poaceae	A Grass	-3		UPL	5	SNA
<i>Bromus kalmii</i>	Kalm's Brome	Poaceae	N Grass		8	FAC	0	S4
<i>Calamagrostis canadensis</i> var. <i>canadensis</i>	Bluejoint Reedgrass	Poaceae	N Grass		4	OBL	-5	S5
<i>Calystegia spithamea</i>	Low False Bindweed	Convolvulaceae	N Forb		7	UPL	5	S4S5
<i>Carduus nutans</i> ssp. <i>nutans</i>	Nodding Thistle	Asteraceae	A Forb	-1		UPL	5	SNA
<i>Carex bebbii</i>	Bebb's Sedge	Cyperaceae	N Sedge		3	OBL	-5	S5
<i>Carex brevior</i>	Short-beaked Sedge	Cyperaceae	N Sedge		7	FAC	0	S4
<i>Carex comosa</i>	Bristly Sedge	Cyperaceae	N Sedge		5	OBL	-5	S5
<i>Carex crinita</i>	Fringed Sedge	Cyperaceae	N Sedge		6	FACW+	-4	S5
<i>Carex deweyana</i>	Dewey's Sedge	Cyperaceae	N Sedge		6	FACU-	4	S5
<i>Carex diandra</i>	Lesser Panicked Sedge	Cyperaceae	N Sedge		7	OBL	-5	S5
<i>Carex disperma</i>	Two-seeded Sedge	Cyperaceae	N Sedge		8	OBL	-5	S5
<i>Carex gracillima</i>	Graceful Sedge	Cyperaceae	N Sedge		4	FACU	3	S5
<i>Carex houghtoniana</i>	Houghton's Sedge	Cyperaceae	N Sedge		6	UPL	5	S5
<i>Carex interior</i>	Inland Sedge	Cyperaceae	N Sedge		6	OBL	-5	S5
<i>Carex lacustris</i>	Lake Sedge	Cyperaceae	N Sedge		5	OBL	-5	S5
<i>Carex leptalea</i>	Bristle-stalked Sedge	Cyperaceae	N Sedge		8	OBL	-5	S5
<i>Carex lupulina</i>	Hop Sedge	Cyperaceae	N Sedge		6	OBL	-5	S5
<i>Carex magellanica</i>	Boreal Bog Sedge	Cyperaceae	N Sedge		10	OBL	-5	S5
<i>Carex pedunculata</i>	Long-stalked Sedge	Cyperaceae	N Sedge		5	UPL	5	S5
<i>Carex projecta</i>	Necklace Sedge	Cyperaceae	N Sedge		5	FACW+	-4	S5
<i>Carex retrorsa</i>	Retorse Sedge	Cyperaceae	N Sedge		5	OBL	-5	S5
<i>Carex rosea</i>	Rosy Sedge	Cyperaceae	N Sedge		5	UPL	5	S5
<i>Carex scabrata</i>	Eastern Rough Sedge	Cyperaceae	N Sedge		8	OBL	-5	S5
<i>Carex scoparia</i>	Pointed Broom Sedge	Cyperaceae	N Sedge		5	FACW	-3	S5
<i>Carex vulpinoidea</i>	Fox Sedge	Cyperaceae	N Sedge		3	OBL	-5	S5
<i>Chenopodium simplex</i>	Maple-leaved Goosefoot	Chenopodiaceae	N Forb		0	UPL	5	S5
<i>Leucanthemum vulgare</i>	Oxeye Daisy	Asteraceae	A Forb	-1		UPL	5	SNA
<i>Cinna latifolia</i>	Drooping Woodreed	Poaceae	N Grass		7	FACW+	-4	S5

Map Reference: *iNaturalist*

ELC community: *N/A*

*Not Used*

Scientific Name:	Common Name:	Family:	Physiog.	Weed	C	Wetness	W	SRANK
<i>Circaea alpina</i>	Small Enchanter's Nightshade	Onagraceae	N Forb		6	FACW	-3	S5
<i>Circaea canadensis</i>	Broad-leaved Enchanter's Nightshade	Onagraceae	N Forb		3	FACU	3	S5
<i>Clinopodium vulgare</i>	Wild Basil	Lamiaceae	N Forb		4	UPL	5	S5
<i>Clintonia borealis</i>	Blue Bead-lily	Liliaceae	N Forb		7	FAC+	-1	S5
<i>Erigeron canadensis</i>	Canada Horseweed	Asteraceae	N Forb		0	FAC-	1	S5
<i>Coptis trifolia</i>	Goldthread	Ranunculaceae	N Forb		7	FACW	-3	S5
<i>Cornus alternifolia</i>	Alternate-leaved Dogwood	Cornaceae	N Tree		6	UPL	5	S5
<i>Cornus canadensis</i>	Bunchberry	Cornaceae	N Shrub		7	FAC	0	S5
<i>Crepis tectorum</i>	Narrow-leaved Hawksbeard	Asteraceae	A Forb	-1		UPL	5	SNA
<i>Cycloloma atriplicifolium</i>	Winged Pigweed	Chenopodiaceae	N Forb		1	FACU	3	S4
<i>Danthonia spicata</i>	Poverty Oatgrass	Poaceae	N Grass		5	UPL	5	S5
<i>Desmodium canadense</i>	Showy Tick-trefoil	Fabaceae	N Forb		5	FAC-	1	S4
<i>Hylodesmum glutinosum</i>	Large Tick-trefoil	Fabaceae	N Forb		6	UPL	5	S4
<i>Dianthus armeria</i>	Deptford Pink	Caryophyllaceae	A Forb	-1		UPL	5	SNA
<i>Diervilla lonicera</i>	Northern Bush-honeysuckle	Caprifoliaceae	N Shrub		5	UPL	5	S5
<i>Dirca palustris</i>	Eastern Leatherwood	Thymelaeaceae	N Shrub		7	FAC	0	S4
<i>Dryopteris carthusiana</i>	Spinulose Wood Fern	Dryopteridaceae	N Fern		5	FACW-	-2	S5
<i>Dryopteris cristata</i>	Crested Wood Fern	Dryopteridaceae	N Fern		7	OBL	-5	S5
<i>Dulichium arundinaceum</i>	Three-way Sedge	Cyperaceae	N Sedge		7	OBL	-5	S5
<i>Echinochloa muricata</i> var. <i>muricata</i>	Rough Barnyard Grass	Poaceae	N Grass		4	OBL	-5	S4?
<i>Echium vulgare</i>	Common Viper's Bugloss	Boraginaceae	A Forb	-2		UPL	5	SNA
<i>Eleocharis obtusa</i>	Blunt Spikerush	Cyperaceae	N Sedge		5	OBL	-5	S5
<i>Elymus repens</i>	Creeping Wildrye	Poaceae	A Grass	-3		FACU	3	SNA
<i>Elymus trachycaulus</i> ssp. <i>trachycaulus</i>	Slender Wildrye	Poaceae	N Grass		7	FAC	0	S5
<i>Epipactis helleborine</i>	Eastern Helleborine	Orchidaceae	A Forb	-2		UPL	5	SNA
<i>Equisetum arvense</i>	Field Horsetail	Equisetaceae	N Fern		0	FAC	0	S5
<i>Equisetum fluviatile</i>	Water Horsetail	Equisetaceae	N Fern		7	OBL	-5	S5
<i>Equisetum scirpoides</i>	Dwarf Scouring-rush	Equisetaceae	N Fern		7	FAC+	-1	S5
<i>Erigeron philadelphicus</i>	Philadelphia Fleabane	Asteraceae	N Forb		1	FACW	-3	S5
<i>Erigeron strigosus</i>	Rough Fleabane	Asteraceae	N Forb		0	FAC-	1	S5
<i>Eriophorum viridicarinatum</i>	Green-keeled Cottongrass	Cyperaceae	N Sedge		9	OBL	-5	S5
<i>Erucastrum gallicum</i>	Common Dogmustard	Brassicaceae	A Forb	-1		UPL	5	SNA
<i>Erysimum cheiranthoides</i>	Wormseed Wallflower	Brassicaceae	A Forb	-1		FACU	3	S5
<i>Eupatorium perfoliatum</i>	Common Boneset	Asteraceae	N Forb		2	FACW+	-4	S5
<i>Euthamia graminifolia</i>	Grass-leaved Goldenrod	Asteraceae	N Forb		2	FACW-	-2	S5
<i>Fraxinus americana</i>	White Ash	Oleaceae	N Tree		4	FACU	3	S4
<i>Fraxinus nigra</i>	Black Ash	Oleaceae	N Tree		7	FACW+	-4	S3
<i>Galium trifidum</i>	Three-petalled Bedstraw	Rubiaceae	N Forb		5	FACW+	-4	S5
<i>Galium triflorum</i>	Three-flowered Bedstraw	Rubiaceae	N Forb		4	FACU+	2	S5
<i>Gentianopsis crinita</i>	Fringed Gentian	Gentianaceae	N Forb		8	FACW+	-4	S5
<i>Glyceria striata</i>	Fowl Mannagrass	Poaceae	N Grass		3	OBL	-5	S5
<i>Hackelia virginiana</i>	Virginia Stickseed	Boraginaceae	N Forb		5	FAC-	1	S5
<i>Hedeoma hispida</i>	Rough False Pennyroyal	Lamiaceae	N Forb		7	UPL	5	S4
<i>Pilosella aurantiaca</i>	Orange Hawkweed	Asteraceae	A Forb	-2		UPL	5	SNA
<i>Pilosella piloselloides</i> ssp. <i>piloselloides</i>	Tall Hawkweed	Asteraceae	A Forb	-2		UPL	5	SNA
<i>Hypericum majus</i>	Larger Canadian St. John's-wort	Clusiaceae	N Forb		5	FACW	-3	S5

Map Reference: iNaturalist

ELC community: N/A

Not Used

Scientific Name:	Common Name:	Family:	Physiog.	Weed	C	Wetness	W	SRANK
<i>Hypericum perforatum</i>	Common St. John's-wort	Clusiaceae	A Forb	-3		UPL	5	SNA
<i>Elymus hystrix</i>	Bottlebrush Grass	Poaceae	N Grass		5	UPL	5	S5
<i>Ilex verticillata</i>	Common Winterberry	Aquifoliaceae	N Shrub		5	FACW+	-4	S5
<i>Impatiens capensis</i>	Spotted Jewelweed	Balsaminaceae	N Forb		4	FACW	-3	S5
<i>Juncus articulatus</i>	Jointed Rush	Juncaceae	N Forb		5	OBL	-5	S5
<i>Juncus dudleyi</i>	Dudley's Rush	Juncaceae	N Forb		1	FAC	0	S5
<i>Juncus effusus</i>	Soft Rush	Juncaceae	N Forb		4	OBL	-5	S5
<i>Juncus nodosus</i>	Knotted Rush	Juncaceae	N Forb		5	OBL	-5	S5
<i>Juncus tenuis</i>	Path Rush	Juncaceae	N Forb		0	FAC	0	S5
<i>Juniperus communis</i>	Common Juniper	Cupressaceae	N Shrub		4	FACU	3	S5
<i>Bassia scoparia</i>	Common Kochia	Chenopodiaceae	A Forb	-1		FACU-	4	SNA
<i>Lactuca canadensis</i>	Canada Lettuce	Asteraceae	N Forb		3	FACU+	2	S5
<i>Larix laricina</i>	Tamarack	Pinaceae	N Tree		7	FACW	-3	S5
<i>Lilium philadelphicum</i>	Wood Lily	Liliaceae	N Forb		8	FAC-	1	S5
<i>Linaria vulgaris</i>	Butter-and-eggs	Scrophulariaceae	A Forb	-1		UPL	5	SNA
<i>Linnaea borealis</i>	Twinflower	Caprifoliaceae	N Forb		7	FAC	0	S5
<i>Liparis loeselii</i>	Loesel's Twayblade	Orchidaceae	N Forb		5	FACW+	-4	S4S5
<i>Lobelia inflata</i>	Indian-tobacco	Campanulaceae	N Forb		3	FACU-	4	S5
<i>Lotus corniculatus</i>	Garden Bird's-foot Trefoil	Fabaceae	A Forb	-2		FAC-	1	SNA
<i>Huperzia lucidula</i>	Shining Firmoss	Lycopodiaceae	N Fern		7	FAC+	-1	S5
<i>Lycopus uniflorus</i>	Northern Water-horehound	Lamiaceae	N Forb		5	OBL	-5	S5
<i>Lysimachia ciliata</i>	Fringed Loosestrife	Primulaceae	N Forb		4	FACW	-3	S5
<i>Lysimachia thyrsoiflora</i>	Water Loosestrife	Primulaceae	N Forb		7	OBL	-5	S5
<i>Lythrum salicaria</i>	Purple Loosestrife	Lythraceae	A Forb	-3		OBL	-5	SNA
<i>Matteuccia struthiopteris</i>	Ostrich Fern	Dryopteridaceae	N Fern		5	FACW	-3	S5
<i>Medicago lupulina</i>	Black Medic	Fabaceae	A Forb	-1		FAC-	1	SNA
<i>Melampyrum lineare</i>	American Cow-wheat	Scrophulariaceae	N Forb		6	FAC-	1	S5
<i>Melilotus albus</i>	White Sweet-clover	Fabaceae	A Forb	-3		FACU	3	SNA
<i>Mentha canadensis</i>	Canada Mint	Lamiaceae	N Forb		3	FACW	-3	S5
<i>Mimulus ringens</i>	Square-stemmed Monkeyflower	Scrophulariaceae	N Forb		6	OBL	-5	S5
<i>Monarda fistulosa</i> var. <i>fistulosa</i>	Wild Bergamot	Lamiaceae	N Forb		6	FACU	3	SU
<i>Hypopitys monotropa</i>	Pinesap	Monotropaceae	N Forb		6	UPL	5	S4
<i>Monotropa uniflora</i>	Indian-pipe	Monotropaceae	N Forb		6	FACU	3	S5
<i>Nuphar variegata</i>	Variiegated Pond-lily	Nymphaeaceae	N Forb		4	OBL	-5	S5
<i>Oenothera perennis</i>	Perennial Evening-primrose	Onagraceae	N Forb		6	FAC	0	S5
<i>Onoclea sensibilis</i>	Sensitive Fern	Dryopteridaceae	N Fern		4	FACW	-3	S5
<i>Oryzopsis asperifolia</i>	White-grained Mountain-ricegrass	Poaceae	N Grass		6	UPL	5	S5
<i>Osmundastrum cinnamomeum</i>	Cinnamon Fern	Osmundaceae	N Fern		7	FACW	-3	S5
<i>Ostrya virginiana</i>	Eastern Hop-hornbeam	Betulaceae	N Tree		4	FACU-	4	S5
<i>Oxalis stricta</i>	Upright Yellow Wood-sorrel	Oxalidaceae	N Forb		0	FACU	3	S5
<i>Panicum capillare</i>	Common Panicgrass	Poaceae	N Grass		0	FAC	0	S5
<i>Dichanthelium latifolium</i>	Broad-leaved Panicgrass	Poaceae	N Grass		6	FACU	3	S4
<i>Dichanthelium linearifolium</i>	Linear-leaved Panicgrass	Poaceae	N Grass		6	UPL	5	S5
<i>Dichanthelium xanthophyllum</i>	Pale Panicgrass	Poaceae	N Grass		8	UPL	5	S4
<i>Parthenocissus vitacea</i>	Thicket Creeper	Vitaceae	N Vine		3	FACU	3	S5
<i>Pedicularis canadensis</i>	Canada Lousewort	Scrophulariaceae	N Forb		7	FACU+	2	S5
<i>Penstemon hirsutus</i>	Hairy Beardtongue	Scrophulariaceae	N Forb		7	UPL	5	S4
<i>Phleum pratense</i>	Common Timothy	Poaceae	A Grass	-1		FACU	3	SNA
<i>Physalis heterophylla</i>	Clammy Ground-cherry	Solanaceae	N Forb		3	UPL	5	S4
<i>Picea glauca</i>	White Spruce	Pinaceae	N Tree		6	FACU	3	S5

Map Reference: *iNaturalist*

ELC community: *N/A*

*Not Used*

Scientific Name:	Common Name:	Family:	Physiog.	Weed	C	Wetness	W	SRANK
<i>Pinus strobus</i>	Eastern White Pine	Pinaceae	N Tree		4	FACU	3	S5
<i>Plantago major</i>	Common Plantain	Plantaginaceae	A Forb	-1		FAC+	-1	SNA
<i>Plantago rugelii</i>	Rugel's Plantain	Plantaginaceae	N Forb		1	FAC	0	S5
<i>Polygaloides paucifolia</i>	Gay-wing Milkwort	Polygalaceae	N Forb		6	FACU	3	S5
<i>Polygonatum pubescens</i>	Hairy Solomon's Seal	Liliaceae	N Forb		5	UPL	5	S5
<i>Polygonum aviculare</i> ssp. <i>aviculare</i>	Prostrate Knotweed	Polygonaceae	A Forb	-1		FAC-	1	SNA
<i>Persicaria maculosa</i>	Spotted Lady's-thumb	Polygonaceae	A Forb	-1		FACW	-3	SNA
<i>Populus balsamifera</i>	Balsam Poplar	Salicaceae	N Tree		4	FACW	-3	S5
<i>Populus grandidentata</i>	Large-toothed Aspen	Salicaceae	N Tree		5	FACU	3	S5
<i>Populus tremuloides</i>	Trembling Aspen	Salicaceae	N Tree		2	FAC	0	S5
<i>Potentilla argentea</i>	Silvery Cinquefoil	Rosaceae	A Forb	-2		FACU	3	SNA
<i>Potentilla norvegica</i>	Norwegian Cinquefoil	Rosaceae	N Forb		0	FAC	0	S5
<i>Comarum palustre</i>	Marsh Cinquefoil	Rosaceae	N Forb		7	OBL	-5	S5
<i>Potentilla recta</i>	Sulphur Cinquefoil	Rosaceae	A Forb	-2		UPL	5	SNA
<i>Potentilla simplex</i>	Old-field Cinquefoil	Rosaceae	N Forb		3	FACU-	4	S5
<i>Prunella vulgaris</i> ssp. <i>vulgaris</i>	Common Self-heal	Lamiaceae	A Forb	-1		FAC	0	SNA
<i>Pteridium aquilinum</i>	Bracken Fern	Dennstaedtiaceae	N Fern		2	FACU	3	S5
<i>Quercus macrocarpa</i>	Bur Oak	Fagaceae	N Tree		5	FAC-	1	S5
<i>Quercus rubra</i>	Northern Red Oak	Fagaceae	N Tree		6	FACU	3	S5
<i>Ranunculus acris</i>	Tall Buttercup	Ranunculaceae	A Forb	-2		FACW-	-2	SNA
<i>Ranunculus pensylvanicus</i>	Pennsylvania Buttercup	Ranunculaceae	N Forb		3	OBL	-5	S5
<i>Endotropis alnifolia</i>	Alder-leaved Buckthorn	Rhamnaceae	N Shrub		7	OBL	-5	S5
<i>Toxicodendron radicans</i> var. <i>rydbergii</i>	Western Poison Ivy	Anacardiaceae	N Vine		0	FAC	0	S5
<i>Rubus allegheniensis</i>	Allegheny Blackberry	Rosaceae	N Shrub		2	FACU+	2	S5
<i>Rubus occidentalis</i>	Black Raspberry	Rosaceae	N Shrub		2	UPL	5	S5
<i>Rubus odoratus</i>	Purple-flowering Raspberry	Rosaceae	N Shrub		3	UPL	5	S5
<i>Rubus pubescens</i>	Dewberry	Rosaceae	N Forb		4	FACW+	-4	S5
<i>Rudbeckia hirta</i>	Black-eyed Susan	Asteraceae	A Forb	-1		FACU	3	S5
<i>Sagittaria latifolia</i>	Broad-leaved Arrowhead	Alismataceae	N Forb		4	OBL	-5	S5
<i>Salix amygdaloides</i>	Peach-leaved Willow	Salicaceae	N Tree		6	FACW	-3	S5
<i>Salix bebbiana</i>	Bebb's Willow	Salicaceae	N Shrub		4	FACW+	-4	S5
<i>Salix eriocephala</i>	Heart-leaved Willow	Salicaceae	N Shrub		4	FACW	-3	S5
<i>Salix petiolaris</i>	Meadow Willow	Salicaceae	N Shrub		3	FACW+	-4	S5
<i>Salsola collina</i>	Slender Russian Thistle	Chenopodiaceae	A Forb	-1		UPL	5	SNA
<i>Sanicula marilandica</i>	Maryland Sanicle	Apiaceae	N Forb		5	FACU	3	S5
<i>Saponaria officinalis</i>	Bouncing-bet	Caryophyllaceae	A Forb	-3		FACU	3	SNA
<i>Schoenoplectus acutus</i>	Hard-stemmed Bulrush	Cyperaceae	N Sedge		6	OBL	-5	S5
<i>Scirpus atrovirens</i>	Dark-green Bulrush	Cyperaceae	N Sedge		3	OBL	-5	S5
<i>Scirpus cyperinus</i>	Cottongrass Bulrush	Cyperaceae	N Sedge		4	OBL	-5	S5
<i>Scirpus hattorianus</i>	Mosquito Bulrush	Cyperaceae	N Sedge		6	FACW	-3	S4
<i>Scirpus pendulus</i>	Rufous Bulrush	Cyperaceae	N Sedge		3	OBL	-5	S5
<i>Scutellaria galericulata</i>	Hooded Skullcap	Lamiaceae	N Forb		6	OBL	-5	S5
<i>Scutellaria lateriflora</i>	Mad Dog Skullcap	Lamiaceae	N Forb		5	OBL	-5	S5
<i>Setaria pumila</i>	Yellow Foxtail	Poaceae	A Grass	-1		FAC	0	SNA
<i>Setaria viridis</i>	Green Foxtail	Poaceae	A Grass	-1		UPL	5	SNA
<i>Silene antirrhina</i>	Sleepy Catchfly	Caryophyllaceae	N Forb		3	UPL	5	S5
<i>Silene vulgaris</i>	Bladder Champion	Caryophyllaceae	A Forb	-1		UPL	5	SNA
<i>Sium suave</i>	Hemlock Water-parsnip	Apiaceae	N Forb		4	OBL	-5	S5

Map Reference: *iNaturalist*

ELC community: *N/A*

*Not Used*

Scientific Name:	Common Name:	Family:	Physiog.	Weed	C	Wetness	W	SRANK
<i>Solanum dulcamara</i>	Bittersweet Nightshade	Solanaceae	A Vine	-2		FAC	0	SNA
<i>Solidago canadensis</i> var. <i>canadensis</i>	Canada Goldenrod	Asteraceae	N Forb		1	FACU	3	S5
<i>Solidago juncea</i>	Early Goldenrod	Asteraceae	N Forb		3	UPL	5	S5
<i>Solidago nemoralis</i> ssp. <i>nemoralis</i>	Gray-stemmed Goldenrod	Asteraceae	N Forb		2	UPL	5	S5
<i>Solidago rugosa</i> ssp. <i>rugosa</i>	Northern Rough-stemmed Goldenrod	Asteraceae	N Forb		4	FAC+	-1	S5
<i>Sparganium emersum</i>	Green-fruited Burreed	Sparganiaceae	N Forb		5	OBL	-5	SU
<i>Spiraea tomentosa</i> var. <i>tomentosa</i>	Steeplebush	Rosaceae	N Shrub		5	FACW	-3	SU
<i>Symphoricarpos albus</i> var. <i>albus</i>	Common Snowberry	Caprifoliaceae	N Shrub		7	FACU-	4	S5
<i>Thelypteris palustris</i>	Marsh Fern	Thelypteridaceae	N Fern		5	FACW+	-4	S5
<i>Thuja occidentalis</i>	Eastern White Cedar	Cupressaceae	N Tree		4	FACW	-3	S5
<i>Tilia americana</i>	American Basswood	Tiliaceae	N Tree		4	FACU	3	S5
<i>Trifolium aureum</i>	Yellow Clover	Fabaceae	A Forb	-1		UPL	5	SNA
<i>Trifolium campestre</i>	Low Hop Clover	Fabaceae	A Forb	-1		UPL	5	SNA
<i>Trifolium pratense</i>	Red Clover	Fabaceae	A Forb	-2		FACU+	2	SNA
<i>Trillium grandiflorum</i>	White Trillium	Liliaceae	N Forb		5	UPL	5	S5
<i>Tussilago farfara</i>	Colt's-foot	Asteraceae	A Forb	-2		FACU	3	SNA
<i>Typha angustifolia</i>	Narrow-leaved Cattail	Typhaceae	N Forb		3	OBL	-5	SNA
<i>Typha latifolia</i>	Broad-leaved Cattail	Typhaceae	N Forb		3	OBL	-5	S5
<i>Uvularia grandiflora</i>	Large-flowered Bellwort	Liliaceae	N Forb		6	UPL	5	S5
<i>Verbascum thapsus</i>	Common Mullein	Scrophulariaceae	A Forb	-2		UPL	5	SNA
<i>Verbena hastata</i>	Blue Vervain	Verbenaceae	N Forb		4	FACW+	-4	S5
<i>Verbena stricta</i>	Hoary Vervain	Verbenaceae	N Forb		7	UPL	5	S4
<i>Viburnum acerifolium</i>	Maple-leaved Viburnum	Caprifoliaceae	N Shrub		6	UPL	5	S5
<i>Vicia cracca</i>	Tufted Vetch	Fabaceae	A Forb	-1		UPL	5	SNA
<i>Vicia sativa</i>	Common Vetch	Fabaceae	A Forb	-1		FACU-	4	SNA
<i>Vitis riparia</i>	Riverbank Grape	Vitaceae	N Vine		0	FACW-	-2	S5

### Floristic Quality Summary\*

#### Species Counts

Total:	Native:	(%)	Non-Native	(%)
231	186	81	45	19

Total Weediness Score: -70

#### Mean Coefficient of Conservatism

Natives only:	5
Natives and Non-Natives:	4

Mean Wetness: 0.3

Map Reference: *Misc.*

ELC community: *N/A*

*Not Used*

Scientific Name:	Common Name:	Family:	Physiog.	Weed	C	Wetness	W	SRANK
<i>Abies balsamea</i>	Balsam Fir	Pinaceae	N Tree		5	FACW	-3	S5



**Map Reference:** Misc.

**ELC community:** N/A

*Not Used*

Scientific Name:	Common Name:	Family:	Physiog.	Weed	C	Wetness	W	SRANK
Anemonastrum canadense	Canada Anemone	Ranunculaceae	N Forb		3	FACW	-3	S5
Carex pedunculata	Long-stalked Sedge	Cyperaceae	N Sedge		5	UPL	5	S5
Dryopteris marginalis	Marginal Wood Fern	Dryopteridaceae	N Fern		5	FACU	3	S5
Fragaria virginiana	Wild Strawberry	Rosaceae	N Forb		2	FAC-	1	S5
Gaultheria procumbens	Eastern Teaberry	Ericaceae	N Shrub		6	FACU	3	S5
Maianthemum canadense ssp. canadense	Wild Lily-of-the-valley	Liliaceae	N Forb		5	FAC	0	S5
Picea glauca	White Spruce	Pinaceae	N Tree		6	FACU	3	S5
Pinus strobus	Eastern White Pine	Pinaceae	N Tree		4	FACU	3	S5
Populus grandidentata	Large-toothed Aspen	Salicaceae	N Tree		5	FACU	3	S5
Prunus virginiana	Choke Cherry	Rosaceae	N Shrub		2	FAC-	1	S5
Pteridium aquilinum	Bracken Fern	Dennstaedtiaceae	N Fern		2	FACU	3	S5
Quercus alba	White Oak	Fagaceae	N Tree		6	FACU	3	S5
Quercus rubra	Northern Red Oak	Fagaceae	N Tree		6	FACU	3	S5
Toxicodendron radicans	Poison Ivy	Anacardiaceae	N Vine		5	FAC+	-1	S5
Ribes cynosbati	Prickly Gooseberry	Grossulariaceae	N Shrub		4	UPL	5	S5
Rumex acetosella	Sheep Sorrel	Polygonaceae	A Forb	-2		FAC	0	SNA
Micranthes virginensis	Early Saxifrage	Saxifragaceae	N Forb		6	FAC-	1	S5
Trillium grandiflorum	White Trillium	Liliaceae	N Forb		5	UPL	5	S5
Tussilago farfara	Colt's-foot	Asteraceae	A Forb	-2		FACU	3	SNA
Verbascum thapsus	Common Mullein	Scrophulariaceae	A Forb	-2		UPL	5	SNA
Viola canadensis var. canadensis	Canada Violet	Violaceae	N Forb		6	UPL	5	S5
Geum fragarioides	Barren Strawberry	Rosaceae	N Forb		5	UPL	5	S5

### Floristic Quality Summary\*

#### Species Counts

Total:	Native: (%)	Non-Native (%)
23	20	87
	3	13

**Total Weediness Score:** -6

#### Mean Coefficient of Conservatism

<b>Natives only:</b>	5
<b>Natives and Non-Natives:</b>	4

**Mean Wetness:** 2.3

**Map Reference:** W01C05

**ELC community:** N/A

*Not Used*

Scientific Name:	Common Name:	Family:	Physiog.	Weed	C	Wetness	W	SRANK
Boehmeria cylindrica	False Nettle	Urticaceae	N Forb		4	OBL	-5	S5
Carex comosa	Bristly Sedge	Cyperaceae	N Sedge		5	OBL	-5	S5
Carex crawfordii	Crawford's Sedge	Cyperaceae	N Sedge		7	FAC+	-1	S5
Carex crinita	Fringed Sedge	Cyperaceae	N Sedge		6	FACW+	-4	S5
Carex pseudocyperus	Cyperus-like Sedge	Cyperaceae	N Sedge		6	OBL	-5	S5
Carex scoparia	Pointed Broom Sedge	Cyperaceae	N Sedge		5	FACW	-3	S5
Carex stipata	Awl-fruited Sedge	Cyperaceae	N Sedge		3	OBL	-5	S5

**Map Reference:** W01C05

**ELC community:** N/A

*Not Used*

Scientific Name:	Common Name:	Family:	Physiog.	Weed	C	Wetness	W	SRANK
Carex trisperma	Three-seeded Sedge	Cyperaceae	N Sedge		9	OBL	-5	S5
Carex vulpinoidea	Fox Sedge	Cyperaceae	N Sedge		3	OBL	-5	S5
Cicuta bulbifera	Bulb-bearing Water-hemlock	Apiaceae	N Forb		5	OBL	-5	S5
Eupatorium perfoliatum	Common Boneset	Asteraceae	N Forb		2	FACW+	-4	S5
Fraxinus nigra	Black Ash	Oleaceae	N Tree		7	FACW+	-4	S3
Galium palustre	Marsh Bedstraw	Rubiaceae	N Forb		5	OBL	-5	S5
Glyceria striata	Fowl Mannagrass	Poaceae	N Grass		3	OBL	-5	S5
Ilex verticillata	Common Winterberry	Aquifoliaceae	N Shrub		5	FACW+	-4	S5
Lemna minor	Lesser Duckweed	Lemnaceae	N Forb		2	OBL	-5	S5?
Lycopus americanus	American Water-horehound	Lamiaceae	N Forb		4	OBL	-5	S5
Lycopus uniflorus	Northern Water-horehound	Lamiaceae	N Forb		5	OBL	-5	S5
Onoclea sensibilis	Sensitive Fern	Dryopteridaceae	N Fern		4	FACW	-3	S5
Phalaris arundinacea var. arundinacea	Reed Canary Grass	Poaceae	N Grass		0	FACW+	-4	S5
Rubus idaeus ssp. idaeus	Common Red Raspberry	Rosaceae	N Shrub		0	FACW-	-2	SNA
Scirpus cyperinus	Cottongrass Bulrush	Cyperaceae	N Sedge		4	OBL	-5	S5
Solanum dulcamara	Bittersweet Nightshade	Solanaceae	A Vine	-2		FAC	0	SNA
Spiraea alba	White Meadowsweet	Rosaceae	N Shrub		3	FACW+	-4	S5
Spirodela polyrhiza	Great Duckweed	Lemnaceae	N Forb		4	OBL	-5	S5
Thelypteris palustris	Marsh Fern	Thelypteridaceae	N Fern		5	FACW+	-4	S5
Typha latifolia	Broad-leaved Cattail	Typhaceae	N Forb		3	OBL	-5	S5

### Floristic Quality Summary\*

#### Species Counts

Total:	Native:	(%)	Non-Native	(%)
27	26	96	1	4

**Total Weediness Score:** -2

#### Mean Coefficient of Conservatism

<b>Natives only:</b>	4
<b>Natives and Non-Natives:</b>	4

**Mean Wetness:** -4.1

**Map Reference:** W01C08

**ELC community:** N/A

*Not Used*

Scientific Name:	Common Name:	Family:	Physiog.	Weed	C	Wetness	W	SRANK
Acer rubrum	Red Maple	Aceraceae	N Tree		4	FAC	0	S5
Agrimonia gryposepala	Hooked Agrimony	Rosaceae	N Forb		2	FACU+	2	S5
Ambrosia artemisiifolia	Common Ragweed	Asteraceae	N Forb		0	FACU	3	S5
Apocynum androsaemifolium	Spreading Dogbane	Apocynaceae	N Forb		3	UPL	5	S5
Eurybia macrophylla	Large-leaved Aster	Asteraceae	N Forb		5	UPL	5	S5
Athyrium filix-femina var. angustum	Northeastern Lady Fern	Dryopteridaceae	N Fern		4	FAC	0	S5
Carex stipata	Awl-fruited Sedge	Cyperaceae	N Sedge		3	OBL	-5	S5
Cornus canadensis	Bunchberry	Cornaceae	N Shrub		7	FAC	0	S5
Cornus rugosa	Round-leaved Dogwood	Cornaceae	N Shrub		6	UPL	5	S5

Map Reference: W01C08

ELC community: N/A

Not Used

Scientific Name:	Common Name:	Family:	Physiog.	Weed	C	Wetness	W	SRANK
Diervilla lonicera	Northern Bush-honeysuckle	Caprifoliaceae	N Shrub			5 UPL	5	S5
Equisetum arvense	Field Horsetail	Equisetaceae	N Fern			0 FAC	0	S5
Erysimum cheiranthoides	Wormseed Wallflower	Brassicaceae	A Forb	-1		FACU	3	S5
Eutrochium maculatum var. maculatum	Spotted Joe Pye Weed	Asteraceae	N Forb			3 OBL	-5	S5
Fraxinus nigra	Black Ash	Oleaceae	N Tree			7 FACW+	-4	S3
Fraxinus pennsylvanica	Green Ash	Oleaceae	N Tree			3 FACW	-3	S4
Ilex verticillata	Common Winterberry	Aquifoliaceae	N Shrub			5 FACW+	-4	S5
Nuphar variegata	Variegated Pond-lily	Nymphaeaceae	N Forb			4 OBL	-5	S5
Dichanthelium implicatum	Slender-stemmed Panicgrass	Poaceae	N Grass			2 FAC	0	S5
Dichanthelium latifolium	Broad-leaved Panicgrass	Poaceae	N Grass			6 FACU	3	S4
Picea glauca	White Spruce	Pinaceae	N Tree			6 FACU	3	S5
Populus grandidentata	Large-toothed Aspen	Salicaceae	N Tree			5 FACU	3	S5
Populus tremuloides	Trembling Aspen	Salicaceae	N Tree			2 FAC	0	S5
Pteridium aquilinum	Bracken Fern	Dennstaedtiaceae	N Fern			2 FACU	3	S5
Quercus rubra	Northern Red Oak	Fagaceae	N Tree			6 FACU	3	S5
Endotropis alnifolia	Alder-leaved Buckthorn	Rhamnaceae	N Shrub			7 OBL	-5	S5
Rubus allegheniensis	Allegheny Blackberry	Rosaceae	N Shrub			2 FACU+	2	S5
Rubus odoratus	Purple-flowering Raspberry	Rosaceae	N Shrub			3 UPL	5	S5
Salix bebbiana	Bebb's Willow	Salicaceae	N Shrub			4 FACW+	-4	S5
Scirpus atrovirens	Dark-green Bulrush	Cyperaceae	N Sedge			3 OBL	-5	S5
Solanum dulcamara	Bittersweet Nightshade	Solanaceae	A Vine	-2		FAC	0	SNA
Spiraea alba	White Meadowsweet	Rosaceae	N Shrub			3 FACW+	-4	S5
Spirodela polyrhiza	Great Duckweed	Lemnaceae	N Forb			4 OBL	-5	S5
Thelypteris palustris	Marsh Fern	Thelypteridaceae	N Fern			5 FACW+	-4	S5
Thuja occidentalis	Eastern White Cedar	Cupressaceae	N Tree			4 FACW	-3	S5
Trifolium aureum	Yellow Clover	Fabaceae	A Forb	-1		UPL	5	SNA
Typha angustifolia	Narrow-leaved Cattail	Typhaceae	N Forb			3 OBL	-5	SNA
Typha latifolia	Broad-leaved Cattail	Typhaceae	N Forb			3 OBL	-5	S5
Ulmus americana	American Elm	Ulmaceae	N Tree			3 FACW-	-2	S5
Vitis riparia	Riverbank Grape	Vitaceae	N Vine			0 FACW-	-2	S5
Wolffia columbiana	Columbia Watermeal	Lemnaceae	N Forb			4 OBL	-5	S5

## Floristic Quality Summary\*

### Species Counts

<b>Total:</b>	<b>Native:</b>	<b>(%)</b>	<b>Non-Native</b>	<b>(%)</b>
40	37	93	3	8

**Total Weediness Score:** -4

### Mean Coefficient of Conservatism

<b>Natives only:</b>	4
<b>Natives and Non-Natives:</b>	3

**Mean Wetness:** -0.5

Map Reference: W02C05

ELC community: N/A

Not Used

Scientific Name:	Common Name:	Family:	Physiog.	Weed	C	Wetness	W	SRANK
Alnus incana	Gray Alder	Betulaceae	N Shrub		6	OBL	-5	S5
Asclepias incarnata	Swamp Milkweed	Apocynaceae	N Forb		6	OBL	-5	S5
Carex comosa	Bristly Sedge	Cyperaceae	N Sedge		5	OBL	-5	S5
Carex crinita	Fringed Sedge	Cyperaceae	N Sedge		6	FACW+	-4	S5
Carex lacustris	Lake Sedge	Cyperaceae	N Sedge		5	OBL	-5	S5
Fraxinus nigra	Black Ash	Oleaceae	N Tree		7	FACW+	-4	S3
Ilex verticillata	Common Winterberry	Aquifoliaceae	N Shrub		5	FACW+	-4	S5
Iris versicolor	Harlequin Blue Flag	Iridaceae	N Forb		5	OBL	-5	S5
Larix laricina	Tamarack	Pinaceae	N Tree		7	FACW	-3	S5
Maianthemum canadense ssp. canadense	Wild Lily-of-the-valley	Liliaceae	N Forb		5	FAC	0	S5
Menyanthes trifoliata	Bog Buckbean	Menyanthaceae	N Forb		9	OBL	-5	S5
Osmunda regalis	Royal Fern	Osmundaceae	N Fern		7	OBL	-5	S5
Picea glauca	White Spruce	Pinaceae	N Tree		6	FACU	3	S5
Comarum palustre	Marsh Cinquefoil	Rosaceae	N Forb		7	OBL	-5	S5
Rubus pubescens	Dewberry	Rosaceae	N Forb		4	FACW+	-4	S5
Thelypteris palustris	Marsh Fern	Thelypteridaceae	N Fern		5	FACW+	-4	S5
Thuja occidentalis	Eastern White Cedar	Cupressaceae	N Tree		4	FACW	-3	S5

### Floristic Quality Summary\*

#### Species Counts

<b>Total:</b>	<b>Native: (%)</b>	<b>Non-Native (%)</b>
17	17	100
	0	0

#### Mean Coefficient of Conservatism

<b>Natives only:</b>	6
<b>Natives and Non-Natives:</b>	6

#### Total Weediness Score:

Mean Wetness: -3.7

Map Reference: W03C07

ELC community: N/A

Not Used

Scientific Name:	Common Name:	Family:	Physiog.	Weed	C	Wetness	W	SRANK
Alnus incana	Gray Alder	Betulaceae	N Shrub		6	OBL	-5	S5
Calamagrostis canadensis var. canadensis	Bluejoint Reedgrass	Poaceae	N Grass		4	OBL	-5	S5
Dulichium arundinaceum	Three-way Sedge	Cyperaceae	N Sedge		7	OBL	-5	S5
Eleocharis palustris	Creeping Spikerush	Cyperaceae	N Sedge		6	OBL	-5	S5
Equisetum fluviatile	Water Horsetail	Equisetaceae	N Fern		7	OBL	-5	S5
Fraxinus nigra	Black Ash	Oleaceae	N Tree		7	FACW+	-4	S3
Galium palustre	Marsh Bedstraw	Rubiaceae	N Forb		5	OBL	-5	S5
Impatiens capensis	Spotted Jewelweed	Balsaminaceae	N Forb		4	FACW	-3	S5
Larix laricina	Tamarack	Pinaceae	N Tree		7	FACW	-3	S5
Leersia oryzoides	Rice Cutgrass	Poaceae	N Grass		3	OBL	-5	S5
Lythrum salicaria	Purple Loosestrife	Lythraceae	A Forb	-3		OBL	-5	SNA
Menyanthes trifoliata	Bog Buckbean	Menyanthaceae	N Forb		9	OBL	-5	S5

Map Reference: W03C07

ELC community: N/A

Not Used

Scientific Name:	Common Name:	Family:	Physiog.	Weed	C	Wetness	W	SRANK
Populus balsamifera	Balsam Poplar	Salicaceae	N Tree		4	FACW	-3	S5
Comarum palustre	Marsh Cinquefoil	Rosaceae	N Forb		7	OBL	-5	S5
Rumex britannica	Water Dock	Polygonaceae	N Forb		6	OBL	-5	S5
Schoenoplectus acutus	Hard-stemmed Bulrush	Cyperaceae	N Sedge		6	OBL	-5	S5
Scirpus cyperinus	Cottongrass Bulrush	Cyperaceae	N Sedge		4	OBL	-5	S5
Typha angustifolia	Narrow-leaved Cattail	Typhaceae	N Forb		3	OBL	-5	SNA
Typha latifolia	Broad-leaved Cattail	Typhaceae	N Forb		3	OBL	-5	S5

### Floristic Quality Summary\*

#### Species Counts

Total:	Native:	(%)	Non-Native	(%)
19	18	95	1	5

Total Weediness Score: -3

#### Mean Coefficient of Conservatism

Natives only:	5
Natives and Non-Natives:	5

Mean Wetness: -4.6

Map Reference: W03C09

ELC community: N/A

Not Used

Scientific Name:	Common Name:	Family:	Physiog.	Weed	C	Wetness	W	SRANK
Abies balsamea	Balsam Fir	Pinaceae	N Tree		5	FACW	-3	S5
Acer rubrum	Red Maple	Aceraceae	N Tree		4	FAC	0	S5
Asclepias incarnata	Swamp Milkweed	Apocynaceae	N Forb		6	OBL	-5	S5
Boehmeria cylindrica	False Nettle	Urticaceae	N Forb		4	OBL	-5	S5
Carex retrorsa	Retrorse Sedge	Cyperaceae	N Sedge		5	OBL	-5	S5
Carex rosea	Rosy Sedge	Cyperaceae	N Sedge		5	UPL	5	S5
Carex stipata	Awl-fruited Sedge	Cyperaceae	N Sedge		3	OBL	-5	S5
Cicuta bulbifera	Bulb-bearing Water-hemlock	Apiaceae	N Forb		5	OBL	-5	S5
Fraxinus nigra	Black Ash	Oleaceae	N Tree		7	FACW+	-4	S3
Glyceria striata	Fowl Mannagrass	Poaceae	N Grass		3	OBL	-5	S5
Hypericum kalmianum	Kalm's St. John's-wort	Clusiaceae	N Shrub		9	FACW-	-2	S4
Ilex verticillata	Common Winterberry	Aquifoliaceae	N Shrub		5	FACW+	-4	S5
Impatiens capensis	Spotted Jewelweed	Balsaminaceae	N Forb		4	FACW	-3	S5
Larix laricina	Tamarack	Pinaceae	N Tree		7	FACW	-3	S5
Onoclea sensibilis	Sensitive Fern	Dryopteridaceae	N Fern		4	FACW	-3	S5
Osmundastrum cinnamomeum	Cinnamon Fern	Osmundaceae	N Fern		7	FACW	-3	S5
Phalaris arundinacea var. arundinacea	Reed Canary Grass	Poaceae	N Grass		0	FACW+	-4	S5
Populus grandidentata	Large-toothed Aspen	Salicaceae	N Tree		5	FACU	3	S5
Sium suave	Hemlock Water-parsnip	Apiaceae	N Forb		4	OBL	-5	S5
Thelypteris palustris	Marsh Fern	Thelypteridaceae	N Fern		5	FACW+	-4	S5
Thuja occidentalis	Eastern White Cedar	Cupressaceae	N Tree		4	FACW	-3	S5

Map Reference: W03C09

ELC community: N/A  
Not Used

Scientific Name: Common Name: Family: Physiog. Weed C Wetness W SRANK

### Floristic Quality Summary\*

#### Species Counts

Total: Native: (%) Non-Native (%)  
21 21 100 0 0

#### Mean Coefficient of Conservatism

Natives only: 5  
Natives and Non-Natives: 5

#### Total Weediness Score:

Mean Wetness: -3.0

Map Reference: W04C05

ELC community: N/A  
Not Used

Scientific Name:	Common Name:	Family:	Physiog.	Weed	C	Wetness	W	SRANK
Alnus incana	Gray Alder	Betulaceae	N Shrub		6	OBL	-5	S5
Asclepias incarnata	Swamp Milkweed	Apocynaceae	N Forb		6	OBL	-5	S5
Calamagrostis canadensis var. canadensis	Bluejoint Reedgrass	Poaceae	N Grass		4	OBL	-5	S5
Carex lacustris	Lake Sedge	Cyperaceae	N Sedge		5	OBL	-5	S5
Cicuta bulbifera	Bulb-bearing Water-hemlock	Apiaceae	N Forb		5	OBL	-5	S5
Dulichium arundinaceum	Three-way Sedge	Cyperaceae	N Sedge		7	OBL	-5	S5
Eutrochium maculatum var. maculatum	Spotted Joe Pye Weed	Asteraceae	N Forb		3	OBL	-5	S5
Galium palustre	Marsh Bedstraw	Rubiaceae	N Forb		5	OBL	-5	S5
Impatiens capensis	Spotted Jewelweed	Balsaminaceae	N Forb		4	FACW	-3	S5
Juglans cinerea	Butternut	Juglandaceae	N Tree		6	FACU+	2	S2?
Lycopus americanus	American Water-horehound	Lamiaceae	N Forb		4	OBL	-5	S5
Lycopus uniflorus	Northern Water-horehound	Lamiaceae	N Forb		5	OBL	-5	S5
Matteuccia struthiopteris	Ostrich Fern	Dryopteridaceae	N Fern		5	FACW	-3	S5
Onoclea sensibilis	Sensitive Fern	Dryopteridaceae	N Fern		4	FACW	-3	S5
Parthenocissus quinquefolia	Virginia Creeper	Vitaceae	N Vine		6	FAC-	1	S4?
Populus balsamifera	Balsam Poplar	Salicaceae	N Tree		4	FACW	-3	S5
Comarum palustre	Marsh Cinquefoil	Rosaceae	N Forb		7	OBL	-5	S5
Salix bebbiana	Bebb's Willow	Salicaceae	N Shrub		4	FACW+	-4	S5
Salix petiolaris	Meadow Willow	Salicaceae	N Shrub		3	FACW+	-4	S5
Scirpus cyperinus	Cottongrass Bulrush	Cyperaceae	N Sedge		4	OBL	-5	S5
Schoenoplectus tabernaemontani	Soft-stemmed Bulrush	Cyperaceae	N Sedge		5	OBL	-5	S5
Solanum dulcamara	Bittersweet Nightshade	Solanaceae	A Vine	-2		FAC	0	SNA
Spiraea alba	White Meadowsweet	Rosaceae	N Shrub		3	FACW+	-4	S5
Thelypteris palustris	Marsh Fern	Thelypteridaceae	N Fern		5	FACW+	-4	S5
Typha latifolia	Broad-leaved Cattail	Typhaceae	N Forb		3	OBL	-5	S5

Map Reference: W04C05

ELC community: N/A

Not Used

Scientific Name: Common Name: Family: Physiog. Weed C Wetness W SRANK

### Floristic Quality Summary\*

#### Species Counts

<b>Total:</b>	<b>Native: (%)</b>	<b>Non-Native (%)</b>
25	24 96	1 4

#### Mean Coefficient of Conservatism

<b>Natives only:</b>	5
<b>Natives and Non-Natives:</b>	5

Total Weediness Score: -2

Mean Wetness: -3.8

Map Reference: W04C08

ELC community: N/A

Not Used

Scientific Name:	Common Name:	Family:	Physiog.	Weed	C	Wetness	W	SRANK
Carex comosa	Bristly Sedge	Cyperaceae	N Sedge		5	OBL	-5	S5
Carex lacustris	Lake Sedge	Cyperaceae	N Sedge		5	OBL	-5	S5
Carex retrorsa	Retorse Sedge	Cyperaceae	N Sedge		5	OBL	-5	S5
Cicuta bulbifera	Bulb-bearing Water-hemlock	Apiaceae	N Forb		5	OBL	-5	S5
Galium palustre	Marsh Bedstraw	Rubiaceae	N Forb		5	OBL	-5	S5
Hypericum kalmianum	Kalm's St. John's-wort	Clusiaceae	N Shrub		9	FACW-	-2	S4
Lycopus uniflorus	Northern Water-horehound	Lamiaceae	N Forb		5	OBL	-5	S5
Lysimachia terrestris	Swamp Loosestrife	Primulaceae	N Forb		6	OBL	-5	S5
Nuphar variegata	Variegated Pond-lily	Nymphaeaceae	N Forb		4	OBL	-5	S5
Potamogeton natans	Floating Pondweed	Potamogetonaceae	N Forb		5	OBL	-5	S5
Sagittaria latifolia	Broad-leaved Arrowhead	Alismataceae	N Forb		4	OBL	-5	S5
Schoenoplectus tabernaemontani	Soft-stemmed Bulrush	Cyperaceae	N Sedge		5	OBL	-5	S5
Thelypteris palustris	Marsh Fern	Thelypteridaceae	N Fern		5	FACW+	-4	S5
Typha latifolia	Broad-leaved Cattail	Typhaceae	N Forb		3	OBL	-5	S5

### Floristic Quality Summary\*

#### Species Counts

<b>Total:</b>	<b>Native: (%)</b>	<b>Non-Native (%)</b>
14	14 100	0 0

#### Mean Coefficient of Conservatism

<b>Natives only:</b>	5
<b>Natives and Non-Natives:</b>	5

Total Weediness Score:

Mean Wetness: -4.7

Map Reference: W05C05

ELC community: N/A

Not Used

Scientific Name:	Common Name:	Family:	Physiog.	Weed	C	Wetness	W	SRANK
Asclepias incarnata	Swamp Milkweed	Apocynaceae	N Forb		6	OBL	-5	S5
Calamagrostis canadensis var. canadensis	Bluejoint Reedgrass	Poaceae	N Grass		4	OBL	-5	S5
Carex comosa	Bristly Sedge	Cyperaceae	N Sedge		5	OBL	-5	S5
Carex diandra	Lesser Panicked Sedge	Cyperaceae	N Sedge		7	OBL	-5	S5
Carex lasiocarpa	Woolly-fruited Sedge	Cyperaceae	N Sedge		8	OBL	-5	S5
Carex vesicaria	Inflated Sedge	Cyperaceae	N Sedge		7	OBL	-5	S5
Dulichium arundinaceum	Three-way Sedge	Cyperaceae	N Sedge		7	OBL	-5	S5
Eleocharis palustris	Creeping Spikerush	Cyperaceae	N Sedge		6	OBL	-5	S5
Eupatorium perfoliatum	Common Boneset	Asteraceae	N Forb		2	FACW+	-4	S5
Fraxinus nigra	Black Ash	Oleaceae	N Tree		7	FACW+	-4	S3
Hypericum kalmianum	Kalm's St. John's-wort	Clusiaceae	N Shrub		9	FACW-	-2	S4
Larix laricina	Tamarack	Pinaceae	N Tree		7	FACW	-3	S5
Lysimachia thyrsoflora	Water Loosestrife	Primulaceae	N Forb		7	OBL	-5	S5
Lythrum salicaria	Purple Loosestrife	Lythraceae	A Forb	-3		OBL	-5	SNA
Picea glauca	White Spruce	Pinaceae	N Tree		6	FACU	3	S5
Sagittaria latifolia	Broad-leaved Arrowhead	Alismataceae	N Forb		4	OBL	-5	S5
Salix bebbiana	Bebb's Willow	Salicaceae	N Shrub		4	FACW+	-4	S5
Salix discolor	Pussy Willow	Salicaceae	N Shrub		3	FACW	-3	S5
Salix petiolaris	Meadow Willow	Salicaceae	N Shrub		3	FACW+	-4	S5
Schoenoplectus acutus	Hard-stemmed Bulrush	Cyperaceae	N Sedge		6	OBL	-5	S5
Trichophorum cespitosum	Tufted Clubrush	Cyperaceae	N Sedge		10	OBL	-5	S5
Spiraea tomentosa var. tomentosa	Steeplebush	Rosaceae	N Shrub		5	FACW	-3	SU
Thelypteris palustris	Marsh Fern	Thelypteridaceae	N Fern		5	FACW+	-4	S5
Thuja occidentalis	Eastern White Cedar	Cupressaceae	N Tree		4	FACW	-3	S5
Typha latifolia	Broad-leaved Cattail	Typhaceae	N Forb		3	OBL	-5	S5
Utricularia cornuta	Horned Bladderwort	Lentibulariaceae	N Forb		9	OBL	-5	S5

### Floristic Quality Summary\*

#### Species Counts

Total:	Native: (%)	Non-Native (%)
26	25	96
	1	4

Total Weediness Score: -3

#### Mean Coefficient of Conservatism

Natives only:	6
Natives and Non-Natives:	6

Mean Wetness: -4.1

Map Reference: W06C05

ELC community: N/A

Not Used

Scientific Name:	Common Name:	Family:	Physiog.	Weed	C	Wetness	W	SRANK
Alnus incana	Gray Alder	Betulaceae	N Shrub		6	OBL	-5	S5
Asclepias incarnata	Swamp Milkweed	Apocynaceae	N Forb		6	OBL	-5	S5



**Map Reference:** W06C05

**ELC community:** N/A

*Not Used*

Scientific Name:	Common Name:	Family:	Physiog.	Weed	C	Wetness	W	SRANK
Calamagrostis canadensis var. canadensis	Bluejoint Reedgrass	Poaceae	N Grass		4	OBL	-5	S5
Carex comosa	Bristly Sedge	Cyperaceae	N Sedge		5	OBL	-5	S5
Carex diandra	Lesser Panicked Sedge	Cyperaceae	N Sedge		7	OBL	-5	S5
Carex lacustris	Lake Sedge	Cyperaceae	N Sedge		5	OBL	-5	S5
Dulichium arundinaceum	Three-way Sedge	Cyperaceae	N Sedge		7	OBL	-5	S5
Galium palustre	Marsh Bedstraw	Rubiaceae	N Forb		5	OBL	-5	S5
Hypericum kalmianum	Kalm's St. John's-wort	Clusiaceae	N Shrub		9	FACW-	-2	S4
Lemna minor	Lesser Duckweed	Lemnaceae	N Forb		2	OBL	-5	S5?
Lycopus americanus	American Water-horehound	Lamiaceae	N Forb		4	OBL	-5	S5
Lycopus uniflorus	Northern Water-horehound	Lamiaceae	N Forb		5	OBL	-5	S5
Lysimachia terrestris	Swamp Loosestrife	Primulaceae	N Forb		6	OBL	-5	S5
Lysimachia thyrsoflora	Water Loosestrife	Primulaceae	N Forb		7	OBL	-5	S5
Lythrum salicaria	Purple Loosestrife	Lythraceae	A Forb	-3		OBL	-5	SNA
Mimulus ringens	Square-stemmed Monkeyflower	Scrophulariaceae	N Forb		6	OBL	-5	S5
Parthenocissus quinquefolia	Virginia Creeper	Vitaceae	N Vine		6	FAC-	1	S4?
Comarum palustre	Marsh Cinquefoil	Rosaceae	N Forb		7	OBL	-5	S5
Sagittaria latifolia	Broad-leaved Arrowhead	Alismataceae	N Forb		4	OBL	-5	S5
Salix petiolaris	Meadow Willow	Salicaceae	N Shrub		3	FACW+	-4	S5
Scutellaria galericulata	Hooded Skullcap	Lamiaceae	N Forb		6	OBL	-5	S5
Solanum dulcamara	Bittersweet Nightshade	Solanaceae	A Vine	-2		FAC	0	SNA
Thelypteris palustris	Marsh Fern	Thelypteridaceae	N Fern		5	FACW+	-4	S5
Typha latifolia	Broad-leaved Cattail	Typhaceae	N Forb		3	OBL	-5	S5
Utricularia cornuta	Horned Bladderwort	Lentibulariaceae	N Forb		9	OBL	-5	S5

### Floristic Quality Summary\*

#### Species Counts

Total:	Native:	(%)	Non-Native	(%)
25	23	92	2	8

**Total Weediness Score:** -5

#### Mean Coefficient of Conservatism

<b>Natives only:</b>	6
<b>Natives and Non-Natives:</b>	5

**Mean Wetness:** -4.4

**Map Reference:** W06C08

**ELC community:** N/A

*Not Used*

Scientific Name:	Common Name:	Family:	Physiog.	Weed	C	Wetness	W	SRANK
Potamogeton natans	Floating Pondweed	Potamogetonaceae	N Forb		5	OBL	-5	S5
Utricularia cornuta	Horned Bladderwort	Lentibulariaceae	N Forb		9	OBL	-5	S5

Map Reference: W06C08

ELC community: N/A

Not Used

Scientific Name:	Common Name:	Family:	Physiog.	Weed	C	Wetness	W	SRANK
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### Floristic Quality Summary\*

#### Species Counts

#### Mean Coefficient of Conservatism

<b>Total:</b>	<b>Native: (%)</b>	<b>Non-Native (%)</b>
2	2 100	0 0

<b>Natives only:</b>	7
<b>Natives and Non-Natives:</b>	7

**Total Weediness Score:**

**Mean Wetness:** -5.0

Map Reference: W08C05

ELC community: N/A

Not Used

Scientific Name:	Common Name:	Family:	Physiog.	Weed	C	Wetness	W	SRANK
Asclepias incarnata	Swamp Milkweed	Apocynaceae	N Forb		6	OBL	-5	S5
Boehmeria cylindrica	False Nettle	Urticaceae	N Forb		4	OBL	-5	S5
Cicuta bulbifera	Bulb-bearing Water-hemlock	Apiaceae	N Forb		5	OBL	-5	S5
Dulichium arundinaceum	Three-way Sedge	Cyperaceae	N Sedge		7	OBL	-5	S5
Phalaris arundinacea var. arundinacea	Reed Canary Grass	Poaceae	N Grass		0	FACW+	-4	S5
Comarum palustre	Marsh Cinquefoil	Rosaceae	N Forb		7	OBL	-5	S5
Scirpus cyperinus	Cottongrass Bulrush	Cyperaceae	N Sedge		4	OBL	-5	S5
Sium suave	Hemlock Water-parsnip	Apiaceae	N Forb		4	OBL	-5	S5
Thelypteris palustris	Marsh Fern	Thelypteridaceae	N Fern		5	FACW+	-4	S5
Typha latifolia	Broad-leaved Cattail	Typhaceae	N Forb		3	OBL	-5	S5

### Floristic Quality Summary\*

#### Species Counts

#### Mean Coefficient of Conservatism

<b>Total:</b>	<b>Native: (%)</b>	<b>Non-Native (%)</b>
10	10 100	0 0

<b>Natives only:</b>	5
<b>Natives and Non-Natives:</b>	5

**Total Weediness Score:**

**Mean Wetness:** -4.8

Map Reference: W08C08

ELC community: N/A

Not Used

Scientific Name:	Common Name:	Family:	Physiog.	Weed	C	Wetness	W	SRANK
Nymphaea odorata ssp. odorata	Fragrant Water-lily	Nymphaeaceae	N Forb		5	OBL	-5	S5?

**Map Reference:** W08C08

**ELC community:** N/A

*Not Used*

<b>Scientific Name:</b>	<b>Common Name:</b>	<b>Family:</b>	<b>Physiog.</b>	<b>Weed</b>	<b>C</b>	<b>Wetness</b>	<b>W</b>	<b>SRANK</b>
Potamogeton natans	Floating Pondweed	Potamogetonaceae	N Forb		5	OBL	-5	S5
Spirodela polyrhiza	Great Duckweed	Lemnaceae	N Forb		4	OBL	-5	S5

### Floristic Quality Summary\*

#### Species Counts

<b>Total:</b>	<b>Native: (%)</b>	<b>Non-Native (%)</b>
3	3	100
		0
		0

#### Mean Coefficient of Conservatism

<b>Natives only:</b>	5
<b>Natives and Non-Natives:</b>	5

#### Total Weediness Score:

**Mean Wetness:** -5.0

**Map Reference:** W10C05

**ELC community:** N/A

*Not Used*

<b>Scientific Name:</b>	<b>Common Name:</b>	<b>Family:</b>	<b>Physiog.</b>	<b>Weed</b>	<b>C</b>	<b>Wetness</b>	<b>W</b>	<b>SRANK</b>
Abies balsamea	Balsam Fir	Pinaceae	N Tree		5	FACW	-3	S5
Alnus incana	Gray Alder	Betulaceae	N Shrub		6	OBL	-5	S5
Arctium minus	Common Burdock	Asteraceae	A Forb	-2		UPL	5	SNA
Asclepias incarnata	Swamp Milkweed	Apocynaceae	N Forb		6	OBL	-5	S5
Betula alleghaniensis	Yellow Birch	Betulaceae	N Tree		6	FAC	0	S5
Betula papyrifera	Paper Birch	Betulaceae	N Tree		2	FACU+	2	S5
Boehmeria cylindrica	False Nettle	Urticaceae	N Forb		4	OBL	-5	S5
Brasenia schreberi	Watershield	Cabombaceae	N Forb		7	OBL	-5	S5
Calamagrostis canadensis var. canadensis	Bluejoint Reedgrass	Poaceae	N Grass		4	OBL	-5	S5
Carex comosa	Bristly Sedge	Cyperaceae	N Sedge		5	OBL	-5	S5
Carex crinita	Fringed Sedge	Cyperaceae	N Sedge		6	FACW+	-4	S5
Carex gracillima	Graceful Sedge	Cyperaceae	N Sedge		4	FACU	3	S5
Carex intumescens	Bladder Sedge	Cyperaceae	N Sedge		6	FACW+	-4	S5
Carex lasiocarpa	Woolly-fruited Sedge	Cyperaceae	N Sedge		8	OBL	-5	S5
Carex pseudocyperus	Cyperus-like Sedge	Cyperaceae	N Sedge		6	OBL	-5	S5
Cicuta bulbifera	Bulb-bearing Water-hemlock	Apiaceae	N Forb		5	OBL	-5	S5
Circaea canadensis	Broad-leaved Enchanter's Nightshade	Onagraceae	N Forb		3	FACU	3	S5
Coptis trifolia	Goldthread	Ranunculaceae	N Forb		7	FACW	-3	S5
Cornus canadensis	Bunchberry	Cornaceae	N Shrub		7	FAC	0	S5
Cystopteris bulbifera	Bullet Fern	Dryopteridaceae	N Fern		5	FACW-	-2	S5
Dryopteris carthusiana	Spinulose Wood Fern	Dryopteridaceae	N Fern		5	FACW-	-2	S5
Dryopteris cristata	Crested Wood Fern	Dryopteridaceae	N Fern		7	OBL	-5	S5
Dulichium arundinaceum	Three-way Sedge	Cyperaceae	N Sedge		7	OBL	-5	S5
Eleocharis palustris	Creeping Spikerush	Cyperaceae	N Sedge		6	OBL	-5	S5
Equisetum palustre	Marsh Horsetail	Equisetaceae	N Fern		10	FACW	-3	S5
Fraxinus nigra	Black Ash	Oleaceae	N Tree		7	FACW+	-4	S3

Map Reference: W10C05

ELC community: N/A

Not Used

Scientific Name:	Common Name:	Family:	Physiog.	Weed C	Wetness	W	SRANK
Glyceria canadensis var. canadensis	Canada Mannagrass	Poaceae	N Grass	7	OBL	-5	S5
Gymnocarpium dryopteris	Common Oak Fern	Dryopteridaceae	N Fern	7	FAC	0	S5
Hypericum kalmianum	Kalm's St. John's-wort	Clusiaceae	N Shrub	9	FACW-	-2	S4
Iris versicolor	Harlequin Blue Flag	Iridaceae	N Forb	5	OBL	-5	S5
Lycopus uniflorus	Northern Water-horehound	Lamiaceae	N Forb	5	OBL	-5	S5
Mitella nuda	Naked Mitrewort	Saxifragaceae	N Forb	6	FACW	-3	S5
Onoclea sensibilis	Sensitive Fern	Dryopteridaceae	N Fern	4	FACW	-3	S5
Osmunda regalis	Royal Fern	Osmundaceae	N Fern	7	OBL	-5	S5
Picea glauca	White Spruce	Pinaceae	N Tree	6	FACU	3	S5
Polygaloides paucifolia	Gay-wing Milkwort	Polygalaceae	N Forb	6	FACU	3	S5
Potamogeton natans	Floating Pondweed	Potamogetonaceae	N Forb	5	OBL	-5	S5
Proserpinaca palustris	Marsh Mermaid-weed	Haloragaceae	N Forb	7	OBL	-5	S4
Ribes triste	Swamp Red Currant	Grossulariaceae	N Shrub	6	OBL	-5	S5
Rubus idaeus ssp. idaeus	Common Red Raspberry	Rosaceae	N Shrub	0	FACW-	-2	SNA
Rubus odoratus	Purple-flowering Raspberry	Rosaceae	N Shrub	3	UPL	5	S5
Rubus pubescens	Dewberry	Rosaceae	N Forb	4	FACW+	-4	S5
Sagittaria latifolia	Broad-leaved Arrowhead	Alismataceae	N Forb	4	OBL	-5	S5
Scirpus cyperinus	Cottongrass Bulrush	Cyperaceae	N Sedge	4	OBL	-5	S5
Scutellaria lateriflora	Mad Dog Skullcap	Lamiaceae	N Forb	5	OBL	-5	S5
Solidago rugosa ssp. rugosa	Northern Rough-stemmed Goldenrod	Asteraceae	N Forb	4	FAC+	-1	S5
Spiraea alba	White Meadowsweet	Rosaceae	N Shrub	3	FACW+	-4	S5
Thelypteris palustris	Marsh Fern	Thelypteridaceae	N Fern	5	FACW+	-4	S5
Thuja occidentalis	Eastern White Cedar	Cupressaceae	N Tree	4	FACW	-3	S5
Typha latifolia	Broad-leaved Cattail	Typhaceae	N Forb	3	OBL	-5	S5
Utricularia cornuta	Horned Bladderwort	Lentibulariaceae	N Forb	9	OBL	-5	S5

### Floristic Quality Summary\*

#### Species Counts

Total:	Native: (%)	Non-Native (%)
51	50	98
	1	2

#### Mean Coefficient of Conservatism

Natives only:	5
Natives and Non-Natives:	5

Total Weediness Score: -2

Mean Wetness: -2.9

Map Reference: W11C17

ELC community: N/A

Not Used

Scientific Name:	Common Name:	Family:	Physiog.	Weed C	Wetness	W	SRANK
Acorus americanus	American Sweetflag	Acoraceae	N Forb	8	OBL	-5	S4
Dulichium arundinaceum	Three-way Sedge	Cyperaceae	N Sedge	7	OBL	-5	S5
Lythrum salicaria	Purple Loosestrife	Lythraceae	A Forb	-3	OBL	-5	SNA

**Map Reference:** W11C17

**ELC community:** N/A  
Not Used

Scientific Name:	Common Name:	Family:	Physiog.	Weed	C	Wetness	W	SRANK
Phalaris arundinacea var. arundinacea	Reed Canary Grass	Poaceae	N Grass		0	FACW+	-4	S5
Persicaria amphibia	Water Smartweed	Polygonaceae	N Forb		5	OBL	-5	S5
Sagittaria latifolia	Broad-leaved Arrowhead	Alismataceae	N Forb		4	OBL	-5	S5
Schoenoplectus tabernaemontani	Soft-stemmed Bulrush	Cyperaceae	N Sedge		5	OBL	-5	S5
Spiraea alba	White Meadowsweet	Rosaceae	N Shrub		3	FACW+	-4	S5
Thelypteris palustris	Marsh Fern	Thelypteridaceae	N Fern		5	FACW+	-4	S5
Typha latifolia	Broad-leaved Cattail	Typhaceae	N Forb		3	OBL	-5	S5

### Floristic Quality Summary\*

#### Species Counts

Total:	Native:	(%)	Non-Native	(%)
10	9	90	1	10

**Total Weediness Score:** -3

#### Mean Coefficient of Conservatism

<b>Natives only:</b>	4
<b>Natives and Non-Natives:</b>	4

**Mean Wetness:** -4.7

**Map Reference:** W11C18

**ELC community:** N/A  
Not Used

Scientific Name:	Common Name:	Family:	Physiog.	Weed	C	Wetness	W	SRANK
Potamogeton natans	Floating Pondweed	Potamogetonaceae	N Forb		5	OBL	-5	S5

### Floristic Quality Summary\*

#### Species Counts

Total:	Native:	(%)	Non-Native	(%)
1	1	100	0	0

**Total Weediness Score:**

#### Mean Coefficient of Conservatism

<b>Natives only:</b>	5
<b>Natives and Non-Natives:</b>	5

**Mean Wetness:** -5.0

**Map Reference:** W12C14

**ELC community:** N/A  
Not Used

Scientific Name:	Common Name:	Family:	Physiog.	Weed	C	Wetness	W	SRANK
Acer rubrum	Red Maple	Aceraceae	N Tree		4	FAC	0	S5
Asclepias incarnata	Swamp Milkweed	Apocynaceae	N Forb		6	OBL	-5	S5

**Map Reference:** W12C14

**ELC community:** N/A

*Not Used*

<b>Scientific Name:</b>	<b>Common Name:</b>	<b>Family:</b>	<b>Physiog.</b>	<b>Weed C</b>	<b>Wetness</b>	<b>W</b>	<b>SRANK</b>
Calamagrostis canadensis var. canadensis	Bluejoint Reedgrass	Poaceae	N Grass	4	OBL	-5	S5
Carex flava	Yellow Sedge	Cyperaceae	N Sedge	5	OBL	-5	S5
Eutrochium maculatum var. maculatum	Spotted Joe Pye Weed	Asteraceae	N Forb	3	OBL	-5	S5
Fraxinus nigra	Black Ash	Oleaceae	N Tree	7	FACW+	-4	S3
Phalaris arundinacea var. arundinacea	Reed Canary Grass	Poaceae	N Grass	0	FACW+	-4	S5
Quercus macrocarpa	Bur Oak	Fagaceae	N Tree	5	FAC-	1	S5
Endotropis alnifolia	Alder-leaved Buckthorn	Rhamnaceae	N Shrub	7	OBL	-5	S5
Rubus pubescens	Dewberry	Rosaceae	N Forb	4	FACW+	-4	S5
Salix lucida	Shining Willow	Salicaceae	N Shrub	5	FACW+	-4	S5
Thelypteris palustris	Marsh Fern	Thelypteridaceae	N Fern	5	FACW+	-4	S5

### Floristic Quality Summary\*

#### *Species Counts*

#### *Mean Coefficient of Conservatism*

**Total:**    **Native: (%)**    **Non-Native (%)**  
12            12    100            0            0

**Natives only:**                    5  
**Natives and Non-Natives:**    5

**Total Weediness Score:**

**Mean Wetness:**                    -3.7

**Map Reference:** W13C14

**ELC community:** N/A

*Not Used*

<b>Scientific Name:</b>	<b>Common Name:</b>	<b>Family:</b>	<b>Physiog.</b>	<b>Weed C</b>	<b>Wetness</b>	<b>W</b>	<b>SRANK</b>
Abies balsamea	Balsam Fir	Pinaceae	N Tree	5	FACW	-3	S5
Acer rubrum	Red Maple	Aceraceae	N Tree	4	FAC	0	S5
Betula papyrifera	Paper Birch	Betulaceae	N Tree	2	FACU+	2	S5
Carex intumescens	Bladder Sedge	Cyperaceae	N Sedge	6	FACW+	-4	S5
Cornus sericea	Red-osier Dogwood	Cornaceae	N Shrub	2	FACW	-3	S5
Fraxinus nigra	Black Ash	Oleaceae	N Tree	7	FACW+	-4	S3
Lycopus uniflorus	Northern Water-horehound	Lamiaceae	N Forb	5	OBL	-5	S5
Onoclea sensibilis	Sensitive Fern	Dryopteridaceae	N Fern	4	FACW	-3	S5
Quercus macrocarpa	Bur Oak	Fagaceae	N Tree	5	FAC-	1	S5
Endotropis alnifolia	Alder-leaved Buckthorn	Rhamnaceae	N Shrub	7	OBL	-5	S5
Toxicodendron radicans	Poison Ivy	Anacardiaceae	N Vine	5	FAC+	-1	S5
Rubus pubescens	Dewberry	Rosaceae	N Forb	4	FACW+	-4	S5
Spiraea alba	White Meadowsweet	Rosaceae	N Shrub	3	FACW+	-4	S5
Thelypteris palustris	Marsh Fern	Thelypteridaceae	N Fern	5	FACW+	-4	S5
Ulmus americana	American Elm	Ulmaceae	N Tree	3	FACW-	-2	S5

**Map Reference:** W13C14

**ELC community:** N/A  
*Not Used*

**Scientific Name:**                      **Common Name:**                      **Family:**                      **Physiog.** **Weed** **C** **Wetness** **W** **SRANK**

**Floristic Quality Summary\***

*Species Counts*

*Mean Coefficient of Conservatism*

**Total:**    **Native: (%)**    **Non-Native (%)**  
15            15    100            0            0

**Natives only:**                      4  
**Natives and Non-Natives:**      4

**Total Weediness Score:**

**Mean Wetness:**                      -2.6

**Map Reference:** W14C09

**ELC community:** N/A  
*Not Used*

<b>Scientific Name:</b>	<b>Common Name:</b>	<b>Family:</b>	<b>Physiog.</b>	<b>Weed</b>	<b>C</b>	<b>Wetness</b>	<b>W</b>	<b>SRANK</b>
Athyrium filix-femina var. angustum	Northeastern Lady Fern	Dryopteridaceae	N Fern		4	FAC	0	S5
Fraxinus nigra	Black Ash	Oleaceae	N Tree		7	FACW+	-4	S3
Ilex verticillata	Common Winterberry	Aquifoliaceae	N Shrub		5	FACW+	-4	S5
Endotropis alnifolia	Alder-leaved Buckthorn	Rhamnaceae	N Shrub		7	OBL	-5	S5
Spiraea alba	White Meadowsweet	Rosaceae	N Shrub		3	FACW+	-4	S5
Typha latifolia	Broad-leaved Cattail	Typhaceae	N Forb		3	OBL	-5	S5
Vitis riparia	Riverbank Grape	Vitaceae	N Vine		0	FACW-	-2	S5

**Floristic Quality Summary\***

*Species Counts*

*Mean Coefficient of Conservatism*

**Total:**    **Native: (%)**    **Non-Native (%)**  
7            7    100            0            0

**Natives only:**                      4  
**Natives and Non-Natives:**      4

**Total Weediness Score:**

**Mean Wetness:**                      -3.4

**Map Reference:** W16C19

**ELC community:** N/A  
*Not Used*

<b>Scientific Name:</b>	<b>Common Name:</b>	<b>Family:</b>	<b>Physiog.</b>	<b>Weed</b>	<b>C</b>	<b>Wetness</b>	<b>W</b>	<b>SRANK</b>
Abies balsamea	Balsam Fir	Pinaceae	N Tree		5	FACW	-3	S5
Acer rubrum	Red Maple	Aceraceae	N Tree		4	FAC	0	S5
Aralia nudicaulis	Wild Sarsaparilla	Araliaceae	N Forb		4	FACU	3	S5

**Map Reference:** W16C19

**ELC community:** N/A

*Not Used*

Scientific Name:	Common Name:	Family:	Physiog.	Weed	C	Wetness	W	SRANK
Athyrium filix-femina var. angustum	Northeastern Lady Fern	Dryopteridaceae	N Fern		4	FAC	0	S5
Betula alleghaniensis	Yellow Birch	Betulaceae	N Tree		6	FAC	0	S5
Betula papyrifera	Paper Birch	Betulaceae	N Tree		2	FACU+	2	S5
Boehmeria cylindrica	False Nettle	Urticaceae	N Forb		4	OBL	-5	S5
Carex intumescens	Bladder Sedge	Cyperaceae	N Sedge		6	FACW+	-4	S5
Cicuta bulbifera	Bulb-bearing Water-hemlock	Apiaceae	N Forb		5	OBL	-5	S5
Circaea alpina	Small Enchanter's Nightshade	Onagraceae	N Forb		6	FACW	-3	S5
Circaea canadensis	Broad-leaved Enchanter's Nightshade	Onagraceae	N Forb		3	FACU	3	S5
Coptis trifolia	Goldthread	Ranunculaceae	N Forb		7	FACW	-3	S5
Cornus canadensis	Bunchberry	Cornaceae	N Shrub		7	FAC	0	S5
Cystopteris bulbifera	Bulblet Fern	Dryopteridaceae	N Fern		5	FACW-	-2	S5
Dryopteris carthusiana	Spinulose Wood Fern	Dryopteridaceae	N Fern		5	FACW-	-2	S5
Dryopteris cristata	Crested Wood Fern	Dryopteridaceae	N Fern		7	OBL	-5	S5
Epipactis helleborine	Eastern Helleborine	Orchidaceae	A Forb	-2		UPL	5	SNA
Eutrochium maculatum var. maculatum	Spotted Joe Pye Weed	Asteraceae	N Forb		3	OBL	-5	S5
Fraxinus nigra	Black Ash	Oleaceae	N Tree		7	FACW+	-4	S3
Gymnocarpium dryopteris	Common Oak Fern	Dryopteridaceae	N Fern		7	FAC	0	S5
Lycopus uniflorus	Northern Water-horehound	Lamiaceae	N Forb		5	OBL	-5	S5
Maianthemum canadense ssp. canadense	Wild Lily-of-the-valley	Liliaceae	N Forb		5	FAC	0	S5
Mitella nuda	Naked Mitrewort	Saxifragaceae	N Forb		6	FACW	-3	S5
Onoclea sensibilis	Sensitive Fern	Dryopteridaceae	N Fern		4	FACW	-3	S5
Osmundastrum cinnamomeum	Cinnamon Fern	Osmundaceae	N Fern		7	FACW	-3	S5
Osmunda regalis	Royal Fern	Osmundaceae	N Fern		7	OBL	-5	S5
Parthenocissus quinquefolia	Virginia Creeper	Vitaceae	N Vine		6	FAC-	1	S4?
Picea glauca	White Spruce	Pinaceae	N Tree		6	FACU	3	S5
Polygaloides paucifolia	Gay-wing Milkwort	Polygalaceae	N Forb		6	FACU	3	S5
Populus balsamifera	Balsam Poplar	Salicaceae	N Tree		4	FACW	-3	S5
Endotropis alnifolia	Alder-leaved Buckthorn	Rhamnaceae	N Shrub		7	OBL	-5	S5
Scutellaria lateriflora	Mad Dog Skullcap	Lamiaceae	N Forb		5	OBL	-5	S5
Solanum dulcamara	Bittersweet Nightshade	Solanaceae	A Vine	-2		FAC	0	SNA
Thelypteris palustris	Marsh Fern	Thelypteridaceae	N Fern		5	FACW+	-4	S5
Thuja occidentalis	Eastern White Cedar	Cupressaceae	N Tree		4	FACW	-3	S5
Lysimachia borealis	Northern Starflower	Primulaceae	N Forb		6	FAC+	-1	S5
Ulmus americana	American Elm	Ulmaceae	N Tree		3	FACW-	-2	S5

## Floristic Quality Summary\*

### Species Counts

Total:	Native: (%)	Non-Native (%)
37	35	95
	2	5

**Total Weediness Score:** -4

### Mean Coefficient of Conservatism

Natives only:	5
Natives and Non-Natives:	5

**Mean Wetness:** -1.7



Map Reference: W17C09

ELC community: N/A

Not Used

Scientific Name:	Common Name:	Family:	Physiog.	Weed	C	Wetness	W	SRANK
<i>Abies balsamea</i>	Balsam Fir	Pinaceae	N Tree		5	FACW	-3	S5
<i>Acer rubrum</i>	Red Maple	Aceraceae	N Tree		4	FAC	0	S5
<i>Acer spicatum</i>	Mountain Maple	Aceraceae	N Tree		6	FACU	3	S5
<i>Aralia nudicaulis</i>	Wild Sarsaparilla	Araliaceae	N Forb		4	FACU	3	S5
<i>Arisaema triphyllum</i>	Jack-in-the-pulpit	Araceae	N Forb		5	FACW-	-2	S5
<i>Athyrium filix-femina</i> var. <i>angustum</i>	Northeastern Lady Fern	Dryopteridaceae	N Fern		4	FAC	0	S5
<i>Betula alleghaniensis</i>	Yellow Birch	Betulaceae	N Tree		6	FAC	0	S5
<i>Betula papyrifera</i>	Paper Birch	Betulaceae	N Tree		2	FACU+	2	S5
<i>Circaea alpina</i>	Small Enchanter's Nightshade	Onagraceae	N Forb		6	FACW	-3	S5
<i>Coptis trifolia</i>	Goldthread	Ranunculaceae	N Forb		7	FACW	-3	S5
<i>Cornus canadensis</i>	Bunchberry	Cornaceae	N Shrub		7	FAC	0	S5
<i>Dryopteris carthusiana</i>	Spinulose Wood Fern	Dryopteridaceae	N Fern		5	FACW-	-2	S5
<i>Dryopteris cristata</i>	Crested Wood Fern	Dryopteridaceae	N Fern		7	OBL	-5	S5
<i>Equisetum palustre</i>	Marsh Horsetail	Equisetaceae	N Fern		10	FACW	-3	S5
<i>Equisetum scirpoides</i>	Dwarf Scouring-rush	Equisetaceae	N Fern		7	FAC+	-1	S5
<i>Eutrochium maculatum</i> var. <i>maculatum</i>	Spotted Joe Pye Weed	Asteraceae	N Forb		3	OBL	-5	S5
<i>Fraxinus nigra</i>	Black Ash	Oleaceae	N Tree		7	FACW+	-4	S3
<i>Galium palustre</i>	Marsh Bedstraw	Rubiaceae	N Forb		5	OBL	-5	S5
<i>Galium triflorum</i>	Three-flowered Bedstraw	Rubiaceae	N Forb		4	FACU+	2	S5
<i>Gaultheria hispidula</i>	Creeping Snowberry	Ericaceae	N Shrub		8	FACW	-3	S5
<i>Gymnocarpium dryopteris</i>	Common Oak Fern	Dryopteridaceae	N Fern		7	FAC	0	S5
<i>Lycopus uniflorus</i>	Northern Water-horehound	Lamiaceae	N Forb		5	OBL	-5	S5
<i>Maianthemum canadense</i> ssp. <i>canadense</i>	Wild Lily-of-the-valley	Liliaceae	N Forb		5	FAC	0	S5
<i>Mitella diphylla</i>	Two-leaved Mitrewort	Saxifragaceae	N Forb		5	FACU+	2	S5
<i>Mitella nuda</i>	Naked Mitrewort	Saxifragaceae	N Forb		6	FACW	-3	S5
<i>Osmundastrum cinnamomeum</i>	Cinnamon Fern	Osmundaceae	N Fern		7	FACW	-3	S5
<i>Osmunda regalis</i>	Royal Fern	Osmundaceae	N Fern		7	OBL	-5	S5
<i>Picea glauca</i>	White Spruce	Pinaceae	N Tree		6	FACU	3	S5
<i>Polygaloides paucifolia</i>	Gay-wing Milkwort	Polygalaceae	N Forb		6	FACU	3	S5
<i>Populus balsamifera</i>	Balsam Poplar	Salicaceae	N Tree		4	FACW	-3	S5
<i>Populus grandidentata</i>	Large-toothed Aspen	Salicaceae	N Tree		5	FACU	3	S5
<i>Rubus idaeus</i> ssp. <i>idaeus</i>	Common Red Raspberry	Rosaceae	N Shrub		0	FACW-	-2	SNA
<i>Rubus pubescens</i>	Dewberry	Rosaceae	N Forb		4	FACW+	-4	S5
<i>Thelypteris palustris</i>	Marsh Fern	Thelypteridaceae	N Fern		5	FACW+	-4	S5
<i>Thuja occidentalis</i>	Eastern White Cedar	Cupressaceae	N Tree		4	FACW	-3	S5
<i>Lysimachia borealis</i>	Northern Starflower	Primulaceae	N Forb		6	FAC+	-1	S5
<i>Ulmus americana</i>	American Elm	Ulmaceae	N Tree		3	FACW-	-2	S5
<i>Vitis riparia</i>	Riverbank Grape	Vitaceae	N Vine		0	FACW-	-2	S5

**Map Reference:** W17C09

**ELC community:** N/A  
*Not Used*

**Scientific Name:**                      **Common Name:**                      **Family:**                      **Physiog. Weed C Wetness W SRANK**

### **Floristic Quality Summary\***

#### ***Species Counts***

<b>Total:</b>	<b>Native: (%)</b>	<b>Non-Native (%)</b>
38	38 100	0 0

#### ***Mean Coefficient of Conservatism***

<b>Natives only:</b>	5
<b>Natives and Non-Natives:</b>	5

***Total Weediness Score:***

***Mean Wetness:*** -1.4

**\*Summary excludes plants identified only to genus**

# Detailed Species Rarity

## Grouped by Rounded Provincial S-Rank

### KINGDOM

#### Animalia

Total Number of Unique Species Recorded: 595

Rank	No.	%		Community Occurrences	Provincial S-Rank	SARO	Federal COSEWIC
<b>S1</b>	<b>1</b>	<b>0.2</b>					
			Ancistrocerus spinolae	3	S1		
<b>S1?</b>	<b>1</b>	<b>0.2</b>					
			Calledapteryx dryopterata	6	S1?		
<b>S2B</b>	<b>1</b>	<b>0.2</b>					
			Aquila chrysaetos	6	S2B	END	NAR
<b>S2N,S4B</b>	<b>2</b>	<b>0.3</b>					
			Danaus plexippus	3	S2N,S4B	SC	END
			Haliaeetus leucocephalus	20	S2N,S4B	SC	NAR
<b>S3?</b>	<b>2</b>	<b>0.3</b>					
			Acronicta tristis	3	S3?		
			Eacles imperialis pini	7	S3?		
<b>S3S4</b>	<b>1</b>	<b>0.2</b>					
			Exoprosopa decora	1	S3S4		
<b>S4</b>	<b>29</b>	<b>4.9</b>					
			Actias luna	6	S4		
			Aegolius acadicus	5	S4		
			Aeshna tuberculifera	1	S4		
			Agelaius phoeniceus	77	S4		
			Araneus nordmanni	1	S4		
			Ardea herodias	3	S4		
			Bonasa umbellus	80	S4		
			Bucephala albeola	2	S4		
			Capis curvata	4	S4		
			Chelydra serpentina	1	S4	SC	SC
			Chrysemys picta marginata	4	S4		SC
			Conocephalus brevipennis	1	S4		
			Cucullia convexipennis	2	S4		
			Cycnia tenera	7	S4		
			Ennomos subsignaria	2	S4		
			Euchlaena johnsonaria	2	S4		
			Eueretagrotis attentus	1	S4		
			Euplexia benesimilis	1	S4		
			Harrisimemna trisignata	1	S4		
			Hesperia leonardus	1	S4		

# KINGDOM

## Animalia

Total Number of Unique Species Recorded: 595

Rank	No.	%		Community Occurrences	Provincial S-Rank	SARO	Federal COSEWIC
			Lanius borealis	Northern Shrike	2	S4	
			Libellula incesta	Slaty Skimmer	1	S4	
			Lomographa vestaliata	White Spring Moth	6	S4	
			Lophocampa maculata	Spotted Tussock Moth	3	S4	
			Picoides arcticus	Black-backed Woodpecker	2	S4	
			Polia nimbosa	Stormy Arches	2	S4	
			Polistes fuscatus		1	S4	
			Pseudacris triseriata	Western Chorus Frog	3	S4	
			Pseudeustrotia carneola	Pink-barred Lithacodia	10	S4	
<b>S4?</b>	<b>17</b>	<b>2.9</b>					
			Acronicta hasta		5	S4?	
			Acronicta superans	Splendid Dagger Moth	6	S4?	
			Biston betularia	Pepper-and-Salt Geometer	7	S4?	
			Charadra deridens	The Laugher	1	S4?	
			Cyclophora pendulinaria	Sweetfern Geometer	1	S4?	
			Drepana bilineata	Two-lined Hooktip	1	S4?	
			Euchaetes egle	Milkweed Tussock Moth	11	S4?	
			Haploa lecontei	LeConte's Haploa	8	S4?	
			Maliattha synochitis	Black-dotted Lithacodia	9	S4?	
			Oreta rosea	Rose Hooktip	6	S4?	
			Panthea acronyctoides	Black Zigzag Moth	3	S4?	
			Panthea furcilla		8	S4?	
			Peridea basitriens	Oval-based Prominent	1	S4?	
			Plusia putnami	Putnam's Looper Moth	4	S4?	
			Poecilanthrax tegminipennis	Opaque-winged Variegated bee fly	1	S4?	
			Ponometia candefacta	Olive-shaded Bird-dropping Moth	11	S4?	
			Spilosoma congrua	Agreeable Tiger Moth	4	S4?	
<b>S4B</b>	<b>38</b>	<b>6.4</b>					
			Acanthis flammea	Common Redpoll	11	S4B	
			Botaurus lentiginosus	American Bittern	1	S4B	
			Cardellina canadensis	Canada Warbler	4	S4B	SC
			Catharus fuscescens	Veery	22	S4B	
			Catharus ustulatus	Swainson's Thrush	4	S4B	
			Chordeiles minor	Common Nighthawk	1	S4B	SC
			Coccothraustes vespertinus	Evening Grosbeak	25	S4B	SC
			Coccyzus americanus	Yellow-billed Cuckoo	7	S4B	
			Colaptes auratus	Northern Flicker	51	S4B	
			Contopus virens	Eastern Wood-pewee	24	S4B	SC
			Dolichonyx oryzivorus	Bobolink	4	S4B	THR

# KINGDOM

## Animalia

Total Number of Unique Species Recorded: 595

Rank	No.	%		Community Occurrences	Provincial S-Rank	SARO	Federal COSEWIC
			<i>Dumetella carolinensis</i>	Gray Catbird	2	S4B	
			<i>Empidonax minimus</i>	Least Flycatcher	2	S4B	
			<i>Geothlypis philadelphia</i>	Mourning Warbler	3	S4B	
			<i>Haemorhous purpureus</i>	Purple Finch	51	S4B	
			<i>Hirundo rustica</i>	Barn Swallow	3	S4B	THR
			<i>Hylocichla mustelina</i>	Wood Thrush	2	S4B	SC
			<i>Icterus galbula</i>	Baltimore Oriole	1	S4B	
			<i>Loxia curvirostra</i>	Red Crossbill	54	S4B	
			<i>Megaceryle alcyon</i>	Belted Kingfisher	4	S4B	
			<i>Molothrus ater</i>	Brown-headed Cowbird	1	S4B	
			<i>Myiarchus crinitus</i>	Great Crested Flycatcher	14	S4B	
			<i>Passerculus sandwichensis</i>	Savannah Sparrow	2	S4B	
			<i>Passerina cyanea</i>	Indigo Bunting	16	S4B	
			<i>Pheucticus ludovicianus</i>	Rose-breasted Grosbeak	18	S4B	
			<i>Pinicola enucleator</i>	Pine Grosbeak	1	S4B	
			<i>Pipilo erythrophthalmus</i>	Eastern Towhee	2	S4B	
			<i>Piranga olivacea</i>	Scarlet Tanager	15	S4B	
			<i>Regulus calendula</i>	Ruby-crowned Kinglet	13	S4B	
			<i>Scolopax minor</i>	American Woodcock	6	S4B	
			<i>Seiurus aurocapilla</i>	Ovenbird	49	S4B	
			<i>Spinus pinus</i>	Pine Siskin	21	S4B	
			<i>Spizella arborea</i>	American Tree Sparrow	26	S4B	
			<i>Spizella pusilla</i>	Field Sparrow	3	S4B	
			<i>Tachycineta bicolor</i>	Tree Swallow	6	S4B	
			<i>Tringa solitaria</i>	Solitary Sandpiper	2	S4B	
			<i>Tyrannus tyrannus</i>	Eastern Kingbird	32	S4B	
			<i>Zonotrichia leucophrys</i>	White-crowned Sparrow	4	S4B	
<b>S4S5</b>	<b>13</b>	<b>2.2</b>					
			<i>Acronicta fragilis</i>	Fragile Dagger Moth	1	S4S5	
			<i>Acronicta lepusculina</i>	Cottonwood Dagger Moth	5	S4S5	
			<i>Agrypnia vestita</i>	Clothed Giant Caddisfly	1	S4S5	
			<i>Anavitrinella pampinaria</i>	Common Gray Moth	3	S4S5	
			<i>Apamea amputatrix</i>	Yellow-headed Cutworm	1	S4S5	
			<i>Banksiola crotchi</i>	Crotch's Giant Caddisfly	2	S4S5	
			<i>Caenurgina erechtea</i>	Forage Looper Moth	1	S4S5	
			<i>Diachrysia aereoides</i>		1	S4S5	
			<i>Dissosteira carolina</i>	Carolina Grasshopper	1	S4S5	
			<i>Habrosyne scripta</i>	Lettered Habrosyne	7	S4S5	
			<i>Leucania commoides</i>		2	S4S5	
			<i>Pseudothyatira cymatophoroides</i>	Tufted Thyatirid	6	S4S5	

# KINGDOM

## Animalia

**Total Number of Unique Species Recorded: 595**

Rank	No.	%			Community Occurrences	Provincial S-Rank	SARO	Federal COSEWIC
S5	128	21.5	Raphia frater	The Brother	33	S4S5		
			Accipiter striatus	Sharp-shinned Hawk	4	S5	NAR	NAR
			Acronicta americana	American Dagger Moth	17	S5		
			Acronicta innotata	Unmarked Dagger Moth	10	S5		
			Acronicta obliquata	Smear-dagger Moth	5	S5		
			Acronicta retardata	Retarded Dagger Moth	4	S5		
			Aeshna canadensis	Canada Darner	4	S5		
			Aeshna eremita	Lake Darner	1	S5		
			Aeshna interrupta	Variable Darner	1	S5		
			Aix sponsa	Wood Duck	17	S5		
			Alces americanus	Moose	1	S5		
			Anas platyrhynchos	Mallard	22	S5		
			Anax junius	Common Green Darner	1	S5		
			Antheraea polyphemus	Polyphemus Moth	5	S5		
			Apamea devastator	Glassy Cutworm Moth	1	S5		
			Automeris io	Io Moth	15	S5		
			Basiaeschna janata	Springtime Darner	3	S5		
			Bombus borealis	Northern Amber Bumble Bee	1	S5		
			Bombus griseocollis	Brown-belted Bumble Bee	1	S5		
			Bombus impatiens	Common Eastern Bumble Bee	2	S5		
			Branta canadensis	Canada Goose	23	S5		
			Buteo jamaicensis	Red-tailed Hawk	6	S5	NAR	NAR
			Caenurgina crassiuscula	Clover Looper Moth	2	S5		
			Calopteryx maculata	Ebony Jewelwing	1	S5		
			Campaea perlata	Pale Beauty Moth	8	S5		
			Canis latrans	Coyote	1	S5		
			Castor canadensis	Beaver	2	S5		
			Celithemis elisa	Calico Pennant	2	S5		
			Chrosomus eos	Northern Redbelly Dace	2	S5		
			Chrysopa oculata	Golden-eyed Green Lacewing	4	S5		
			Chrysops vittatus	Striped Deer Fly	1	S5		
			Cicindela punctulata	A Tiger Beetle	1	S5		
			Colias eurytheme	Orange Sulphur	1	S5		
			Corvus corax	Common Raven	211	S5		
			Ctenucha virginica	Virginia Ctenucha Moth	9	S5		
			Cyanocitta cristata	Blue Jay	227	S5		
			Datana ministra	Yellow-necked Caterpillar Moth	16	S5		
			Dorocordulia libera	Racket-tailed Emerald	2	S5		
			Drepana arcuata	Arched Hooktip Moth	10	S5		

# KINGDOM

## Animalia

**Total Number of Unique Species Recorded: 595**

Rank	No.	%		Community Occurrences	Provincial S-Rank	SARO	Federal COSEWIC
			Dryocampa rubicunda	Rosy Maple Moth	5	S5	
			Dryocopus pileatus	Pileated Woodpecker	97	S5	
			Ectropis crepuscularia	The Small Engrailed	3	S5	
			Enallagma ebrium	Marsh Bluet	2	S5	
			Epitheca princeps	Prince Baskettail	1	S5	
			Eristalis flavipes		1	S5	
			Erythemis simplicicollis	Eastern Pondhawk	1	S5	
			Estigmene acrea	Salt Marsh Moth	5	S5	
			Euclidia cuspea	Toothed Somberwing	1	S5	
			Eueretagtrotis perattentus	Two-spot Dart	1	S5	
			Euxoa tessellata	Tessellate Dart Moth	2	S5	
			Halysidota tessellaris	Banded Tussock Moth	11	S5	
			Haploa confusa	Confused Haploa	2	S5	
			Homorthodes furfurata	Scurfy Quaker	1	S5	
			Hyalophora cecropia	Cecropia Moth	1	S5	
			Hyphantria cunea	Fall Webworm Moth	7	S5	
			Hypoprepia fucosa	Painted Lichen Moth	9	S5	
			Lacanobia grandis	Grand Arches	1	S5	
			Lacinipolia lorea	Bridled Arches	7	S5	
			Lacinipolia renigera	Bristly Cutworm Moth	1	S5	
			Ladonia julia	Chalk-fronted Corporal	5	S5	
			Lapara bombycoides	Northern Pine Sphinx	15	S5	
			Lestes congener	Spotted Spreadwing	1	S5	
			Lestes rectangularis	Slender Spreadwing	1	S5	
			Lethe anthedon	Northern Pearly-Eye	2	S5	
			Lethe eurydice	Eyed Brown	1	S5	
			Leucania insueta		3	S5	
			Leucorrhinia intacta	Dot-tailed Whiteface	2	S5	
			Leucorrhinia proxima	Belted Whiteface	2	S5	
			Libellula pulchella	Twelve-spotted Skimmer	2	S5	
			Libellula quadrimaculata	Four-spotted Skimmer	2	S5	
			Limenitis archippus	Viceroy	1	S5	
			Limenitis arthemis arthemis	White Admiral	2	S5	
			Lintneria eremitus	Hermit Sphinx	7	S5	
			Lithobates clamitans	Green Frog	9	S5	
			Lithobates pipiens	Northern Leopard Frog	4	S5	NAR
			Lithobates septentrionalis	Mink Frog	1	S5	
			Lithobates sylvaticus	Wood Frog	6	S5	
			Malacosoma americana	Eastern Tent Caterpillar Moth	4	S5	
			Malacosoma disstria	Forest Tent Caterpillar Moth	8	S5	

# KINGDOM

## Animalia

**Total Number of Unique Species Recorded: 595**

Rank	No.	%		Community Occurrences	Provincial S-Rank	SARO	Federal COSEWIC
			Melanchra adjuncta	Hitched Arches	2	S5	
			Meleagris gallopavo	Wild Turkey	14	S5	
			Mustela erminea	Ermine	1	S5	
			Nadata gibbosa	White-spotted Prominent Moth	7	S5	
			Necrophila americana	A Carrion Beetle	1	S5	
			Nehalennia irene	Sedge Sprite	1	S5	
			Nicrophorus orbicollis	A Carrion Beetle	2	S5	
			Ochropleura implecta	Flame-shouldered Dart	5	S5	
			Odocoileus virginianus	White-tailed Deer	13	S5	
			Orthodes cynica	Cynical Quaker	8	S5	
			Orthodes detracta	Disparaged Arches	9	S5	
			Pachysphinx modesta	Big Poplar Sphinx	5	S5	
			Paonias excaecata	Blinded Sphinx	7	S5	
			Paonias myops	Small-eyed Sphinx	1	S5	
			Papilio canadensis	Canadian Tiger Swallowtail	1	S5	
			Peridea ferruginea	Chocolate Prominent Moth	2	S5	
			Perisoreus canadensis	Canada Jay	8	S5	
			Phlogophora iris	Olive Angle Shades Moth	5	S5	
			Phyciodes cocyta	Northern Crescent	3	S5	
			Phyllodesma americana	Lappet Moth	7	S5	
			Picoides pubescens	Downy Woodpecker	62	S5	
			Picoides villosus	Hairy Woodpecker	99	S5	
			Plathemis lydia	Common Whitetail	5	S5	
			Poanes hobomok	Hobomok Skipper	1	S5	
			Poecile atricapillus	Black-capped Chickadee	360	S5	
			Protodeltote albidula	Pale Glyph Moth	3	S5	
			Pseudacris crucifer	Spring Peeper	2	S5	
			Pyrrharctia isabella	Isabella Tiger Moth	9	S5	
			Sitta canadensis	Red-breasted Nuthatch	212	S5	
			Sitta carolinensis	White-breasted Nuthatch	158	S5	
			Smerinthus cerisyi	One-eyed Sphinx	1	S5	
			Smerinthus jamaicensis	Twin-spotted Sphinx	2	S5	
			Speyeria cybele	Great Spangled Fritillary	2	S5	
			Sphinx canadensis	Canadian Sphinx	1	S5	
			Sphinx chersis	Great Ash Sphinx	2	S5	
			Spilosoma virginica	Virginian Tiger Moth	3	S5	
			Spiramater lutra		1	S5	
			Storeria occipitomaculata	Red-bellied Snake	1	S5	
			Strix varia	Barred Owl	32	S5	
			Sympetrum obtrusum	White-faced Meadowhawk	1	S5	



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**Total Number of Unique Species Recorded: 595**

Rank	No.	%			Community Occurrences	Provincial S-Rank	SARO	Federal COSEWIC
			<i>Sympetrum vicinum</i>	Autumn Meadowhawk	1	S5		
			<i>Tamias striatus</i>	Eastern Chipmunk	4	S5		
			<i>Tamiasciurus hudsonicus</i>	Red Squirrel	5	S5		
			<i>Thorybes pylades</i>	Northern Cloudywing	3	S5		
			<i>Trichordestra legitima</i>	Striped Garden Caterpillar Moth	4	S5		
			<i>Ursus americanus</i>	American Black Bear	1	S5	NAR	NAR
			<i>Vanessa atalanta</i>	Red Admiral	1	S5		
			<i>Vanessa cardui</i>	Painted Lady	1	S5		
			<i>Vanessa virginiensis</i>	American Lady	1	S5		
			<i>Zenaida macroura</i>	Mourning Dove	50	S5		
<b>S5B</b>	<b>43</b>	<b>7.2</b>						
			<i>Archilochus colubris</i>	Ruby-throated Hummingbird	6	S5B		
			<i>Bombycilla cedrorum</i>	Cedar Waxwing	27	S5B		
			<i>Buteo platypterus</i>	Broad-winged Hawk	20	S5B		
			<i>Cathartes aura</i>	Turkey Vulture	30	S5B		
			<i>Catharus guttatus</i>	Hermit Thrush	24	S5B		
			<i>Certhia americana</i>	Brown Creeper	48	S5B		
			<i>Coccyzus erythrophthalmus</i>	Black-billed Cuckoo	8	S5B		
			<i>Corvus brachyrhynchos</i>	American Crow	75	S5B		
			<i>Empidonax alnorum</i>	Alder Flycatcher	1	S5B		
			<i>Falco columbarius</i>	Merlin	2	S5B	NAR	NAR
			<i>Geothlypis trichas</i>	Common Yellowthroat	42	S5B		
			<i>Junco hyemalis</i>	Dark-eyed Junco	49	S5B		
			<i>Loxia leucoptera</i>	White-winged Crossbill	14	S5B		
			<i>Melospiza georgiana</i>	Swamp Sparrow	57	S5B		
			<i>Melospiza melodia</i>	Song Sparrow	100	S5B		
			<i>Mniotilta varia</i>	Black-and-white Warbler	21	S5B		
			<i>Oreothlypis peregrina</i>	Tennessee Warbler	2	S5B		
			<i>Oreothlypis ruficapilla</i>	Nashville Warbler	20	S5B		
			<i>Parkesia noveboracensis</i>	Northern Waterthrush	25	S5B		
			<i>Phalacrocorax auritus</i>	Double-crested Cormorant	4	S5B	NAR	NAR
			<i>Quiscalus quiscula</i>	Common Grackle	39	S5B		
			<i>Regulus satrapa</i>	Golden-crowned Kinglet	75	S5B		
			<i>Sayornis phoebe</i>	Eastern Phoebe	58	S5B		
			<i>Setophaga caerulescens</i>	Black-throated Blue Warbler	4	S5B		
			<i>Setophaga castanea</i>	Bay-breasted Warbler	4	S5B		
			<i>Setophaga coronata</i>	Yellow-rumped Warbler	33	S5B		
			<i>Setophaga fusca</i>	Blackburnian Warbler	3	S5B		
			<i>Setophaga magnolia</i>	Magnolia Warbler	5	S5B		
			<i>Setophaga pensylvanica</i>	Chestnut-sided Warbler	18	S5B		

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Rank	No.	%		Community Occurrences	Provincial S-Rank	SARO	Federal COSEWIC
			Setophaga petechia	Yellow Warbler	3	S5B	
			Setophaga pinus	Pine Warbler	7	S5B	
			Setophaga ruticilla	American Redstart	4	S5B	
			Setophaga virens	Black-throated Green Warbler	17	S5B	
			Sialia sialis	Eastern Bluebird	3	S5B	NAR
			Sphyrapicus varius	Yellow-bellied Sapsucker	55	S5B	
			Spinus tristis	American Goldfinch	126	S5B	
			Spizella passerina	Chipping Sparrow	51	S5B	
			Troglodytes aedon	House Wren	3	S5B	
			Troglodytes hiemalis	Winter Wren	25	S5B	
			Turdus migratorius	American Robin	70	S5B	
			Vireo olivaceus	Red-eyed Vireo	53	S5B	
			Vireo solitarius	Blue-headed Vireo	24	S5B	
			Zonotrichia albicollis	White-throated Sparrow	28	S5B	
<b>S5B,S4N</b>	<b>1</b>	<b>0.2</b>					
			Larus delawarensis	Ring-billed Gull	6	S5B,S4N	
<b>S5B,S5N</b>	<b>3</b>	<b>0.5</b>					
			Charadrius vociferus	Killdeer	2	S5B,S5N	
			Gavia immer	Common Loon	10	S5B,S5N	NAR
			Lophodytes cucullatus	Hooded Merganser	9	S5B,S5N	
<b>SNA</b>	<b>12</b>	<b>2.0</b>					
			Acanthis hornemanni	Hoary Redpoll	1	SNA	
			Coleophora trifolii	Large Clover Casebearer Moth	4	SNA	
			Columba livia	Rock Pigeon	22	SNA	
			Crioceris duodecimpunctata	Spotted Asparagus Beetle	1	SNA	
			Digrammia continuata	Curve-lined Angle	5	SNA	
			Leucoma salicis	Satin Moth	2	SNA	
			Lymantria dispar	Gypsy Moth	5	SNA	
			Pieris rapae	Cabbage White	1	SNA	
			Plectrophenax nivalis	Snow Bunting	2	SNA	
			Rheumaptera prunivorata	Ferguson's Scallop Shell	2	SNA	
			Sturnus vulgaris	European Starling	11	SNA	
			Thymelicus lineola	European Skipper	2	SNA	
<b>SNR</b>	<b>300</b>	<b>50.4</b>					
			Acleris nivisellana		1	SNR	
			Acleris semipurpurana		5	SNR	
			Acosus centerensis		6	SNR	
			Acronicta increta	Unclear Dagger Moth	17	SNR	
			Acronicta interrupta	Interrupted Dagger Moth	1	SNR	
			Acronicta laetifica	Pleasant Dagger Moth	3	SNR	

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			<i>Acronicta lobeliae</i>	Lobelia Dagger Moth	7	SNR	
			<i>Acronicta morula</i>	Ochre Dagger Moth	3	SNR	
			<i>Acronicta ovata</i>	Ovate Dagger Moth	1	SNR	
			<i>Aethes argentilimitana</i>		1	SNR	
			<i>Aglossa cuprina</i>	Grease Moth	4	SNR	
			<i>Aglossa disciferalis</i>		2	SNR	
			<i>Agrotis stigmata</i>		1	SNR	
			<i>Allagrapha aerea</i>	Unspotted Looper Moth	2	SNR	
			<i>Anageshna primordialis</i>		5	SNR	
			<i>Anisota virginensis</i>	Pink Striped Oakworm Moth	10	SNR	
			<i>Antaeotricha schlaegeri</i>		1	SNR	
			<i>Anterastria teratophora</i>	The Gray Marvel	1	SNR	
			<i>Anticlea multiferata</i>	Many-lined Carpet	2	SNR	
			<i>Apamea alia</i>		2	SNR	
			<i>Apamea cariosa</i>		1	SNR	
			<i>Apamea lignicolora</i>	Wood-colored Apamea	5	SNR	
			<i>Apoda biguttata</i>		11	SNR	
			<i>Archips argyrospila</i>	Fruit-tree Leafroller Moth	6	SNR	
			<i>Archips cerasivorana</i>		1	SNR	
			<i>Archips mortuana</i>		1	SNR	
			<i>Archips packardiana</i>		1	SNR	
			<i>Archips purpurana</i>		2	SNR	
			<i>Archips striana</i>		5	SNR	
			<i>Argyria auratella</i>		3	SNR	
			<i>Argyrotaenia alisellana</i>		9	SNR	
			<i>Argyrotaenia juglandana</i>		1	SNR	
			<i>Argyrotaenia quadrifasciana</i>		2	SNR	
			<i>Argyrotaenia quercifoliana</i>		4	SNR	
			<i>Argyrotaenia velutinana</i>	Red-banded Leafroller Moth	3	SNR	
			<i>Arogalea cristifasciella</i>		1	SNR	
			<i>Badister neopulchellus</i>	Ground Beetle	1	SNR	
			<i>Baileya ophthalmica</i>	Eyed Bailey	1	SNR	
			<i>Balsa labecula</i>	White-blotched Balsa	6	SNR	
			<i>Balsa malana</i>	Many-dotted Appleworm Moth	1	SNR	
			<i>Balsa tristigella</i>	Three-lined Balsa	4	SNR	
			<i>Bellura obliqua</i>	Cattail Borer Moth	2	SNR	
			<i>Besma endropiaria</i>	Straw Besma	2	SNR	
			<i>Besma quercivoraria</i>	Oak Besma	2	SNR	
			<i>Bibarrambula allenella</i>		3	SNR	

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Rank	No.	%	Community Occurrences	Provincial S-Rank	SARO	Federal COSEWIC	
			Blepharomastix ranalis	1	SNR		
			Bleptina caradrinalis	Bent-winged Owlet	5	SNR	
			Callizzia amorata	Gray Scoopwing	10	SNR	
			Calloplistria cordata	Silver-spotted Fern Moth	14	SNR	
			Calloplistria mollissima	Pink-shaded Fern Moth	3	SNR	
			Calopteron terminale	A Net-winged Beetle	1	SNR	
			Caloptilia fraxinella		1	SNR	
			Caripeta piniata	Northern Pine Looper Moth	3	SNR	
			Cenopsis niveana		1	SNR	
			Cenopsis pettitana		15	SNR	
			Centrodera decolorata	A Longhorned Beetle	1	SNR	
			Ceratomia undulosa	Waved Sphinx	5	SNR	
			Cerma cerintha	Tufted Bird-dropping Moth	1	SNR	
			Ceruchus piceus	A Stag Beetle	1	SNR	
			Chauliognathus pennsylvanicus	A Soldier Beetle	1	SNR	
			Chlorochlamys chloroleucaria	Blackberry Looper Moth	1	SNR	
			Choristoneura conflictana		1	SNR	
			Choristoneura fumiferana	Spruce Budworm	7	SNR	
			Choristoneura rosaceana	Oblique-banded Leafroller Moth	17	SNR	
			Chrysanympa formosa	Formosa Looper Moth	4	SNR	
			Chrysoteuchia topiarius		11	SNR	
			Chytolita morbidalis	Morbid Owlet	6	SNR	
			Chytonix palliatricula	Cloaked Marvel	19	SNR	
			Clemensia albata	Little White Lichen Moth	2	SNR	
			Clepsis clemensiana		2	SNR	
			Clepsis melaleucana		5	SNR	
			Clepsis persicana	White Triangle Tortrix	5	SNR	
			Clostera strigosa		3	SNR	
			Coccinella trifasciata	Three-banded Ladybird Beetle	3	SNR	
			Coelostathma discopunctana		2	SNR	
			Coleophora mayrella		1	SNR	
			Colocasia propinquinella	Closebanded Yellowhorn	6	SNR	
			Condica videns	White-dotted Groundling	3	SNR	
			Cosmia calami	American Dun-bar	3	SNR	
			Costaconvexa centrostrigaria	Bent-line Carpet	1	SNR	
			Crambidia pallida	Pale Lichen Moth	1	SNR	
			Crambus agitatellus		9	SNR	

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			<i>Crambus praefectellus</i>	2	SNR		
			<i>Crambus saltuellus</i>	7	SNR		
			<i>Crocidophora serratissimalis</i>	1	SNR		
			<i>Crocidophora tuberculalis</i>	2	SNR		
			<i>Dasychira obliquata</i> Streaked Tussock Moth	2	SNR		
			<i>Dasychira plagiata</i>	5	SNR		
			<i>Datana perspicua</i> Spotted Datana	2	SNR		
			<i>Diachrysia balluca</i>	1	SNR		
			<i>Dichelonyx albicollis</i> A Scarab Beetle	2	SNR		
			<i>Dichomeris flavocostella</i>	5	SNR		
			<i>Dichomeris inserrata</i>	3	SNR		
			<i>Dichorda iridaria</i> Showy Emerald	2	SNR		
			<i>Dioryctria reniculelloides</i>	1	SNR		
			<i>Donacaula longirostrella</i>	1	SNR		
			<i>Donacaula melinellus</i>	3	SNR		
			<i>Dypterygia rozmani</i> American Bird's-wing Moth	2	SNR		
			<i>Dyspteris abortivaria</i> The Bad-wing	3	SNR		
			<i>Dysstroma hersiliata</i> Orange-barred Carpet	1	SNR		
			<i>Eacles imperialis</i> Imperial Moth	4	SNR		
			<i>Elaphria versicolor</i> Variegated Midget	3	SNR		
			<i>Ellida caniplaga</i> Linden Prominent	1	SNR		
			<i>Elophila ekthlipsis</i>	11	SNR		
			<i>Elophila gyalis</i>	1	SNR		
			<i>Elophila icciusalis</i>	8	SNR		
			<i>Elophila obliteralis</i>	6	SNR		
			<i>Ematurga amitaria</i> Cranberry Spanworm Moth	2	SNR		
			<i>Epiblema scudderiana</i>	1	SNR		
			<i>Epicallima argenticinctella</i>	1	SNR		
			<i>Epicauta fabricii</i> A Blister Beetle	1	SNR		
			<i>Epicauta pensylvanica</i> A Blister Beetle	1	SNR		
			<i>Ethmia bipunctella</i>	5	SNR		
			<i>Ethmia longimaculella</i>	2	SNR		
			<i>Euchlaena effecta</i>	1	SNR		
			<i>Euchlaena muzaria</i> Muzaria Euchlaena	2	SNR		
			<i>Euchlaena serrata</i> The Saw-wing	1	SNR		
			<i>Euchlaena tigrinaria</i> Mottled Euchlaena	1	SNR		
			<i>Euclea delphinii</i> Spiny Oak-slug Moth	13	SNR		
			<i>Eucopina tocullionana</i>	5	SNR		
			<i>Eudonia strigalis</i>	2	SNR		
			<i>Eudryas grata</i> Beautiful Wood-nymph	2	SNR		

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			Eudryas unio	Pearly Wood-nymph	3	SNR	
			Eufidonia notataria	Powder Moth	7	SNR	
			Eugonobapta nivosaria	Snowy Geometer	1	SNR	
			Eulogia ochrifrontella		1	SNR	
			Eupithecia absinthiata		1	SNR	
			Eupithecia miserulata	Common Eupithecia	2	SNR	
			Eupithecia mutata		1	SNR	
			Eupithecia tripunctaria		1	SNR	
			Eusarca confusaria	Confused Eusarca	4	SNR	
			Eutrapela clemataria	Curve-toothed Geometer	3	SNR	
			Euzophera semifuneralis		1	SNR	
			Evergestis unimacula		2	SNR	
			Fissicrambus mutabilis		4	SNR	
			Framinghamia helvalis		1	SNR	
			Furcula cinerea	Gray Furcula	3	SNR	
			Geina periscelidactyla		1	SNR	
			Gillmeria pallidactyla		2	SNR	
			Glaphyria sequistrialis		1	SNR	
			Gluphisia septentrionis	Common Gluphisia	9	SNR	
			Grammia anna	Anna Tiger Moth	10	SNR	
			Gypsonoma salicicolana		1	SNR	
			Gypsonoma substitutionis		1	SNR	
			Haploa contigua	The Neighbor	1	SNR	
			Hedya separatana		1	SNR	
			Herpetogramma abdominalis		1	SNR	
			Herpetogramma thestealis		1	SNR	
			Heterocampa guttivitta	Saddled Prominent	2	SNR	
			Heterocampa obliqua	Oblique Heterocampa	2	SNR	
			Heterocampa umbrata	White-blotched Heterocampa	9	SNR	
			Heterophleps triguttaria	Three-spotted Phillip	4	SNR	
			Hethemia pistasciaria	Pistachio Emerald	3	SNR	
			Homochlodes fritillaria	Pale Homochlodes	5	SNR	
			Horisme intestinata	Brown Bark Carpet	6	SNR	
			Hydrelia albifera	Fragile White Carpet	1	SNR	
			Hydrelia inornata	Unadorned Carpet	1	SNR	
			Hypagyrtis piniata	Pine Measuringworm Moth	16	SNR	
			Hypagyrtis unipunctata	One-spotted Variant	8	SNR	
			Hypena abalienalis	White-lined Bomolocha	4	SNR	
			Hypena baltimoralis	Baltimore Bomolocha	2	SNR	
			Hypena deceptalis	Deceptive Bomolocha	1	SNR	

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			<i>Hypena manalis</i>	Flowing-line Bomolocha	2	SNR	
			<i>Hypena palparia</i>	Mottled Bomolocha	8	SNR	
			<i>Hypena scabra</i>	Green Cloverworm Moth	3	SNR	
			<i>Hyphenodes caducus</i>	Large Hyphenodes	2	SNR	
			<i>Hyphenodes fractilinea</i>	Broken-line Hyphenodes	5	SNR	
			<i>Hyperaeschra georgica</i>	Georgian Prominent	10	SNR	
			<i>Idaea dimidiata</i>		1	SNR	
			<i>Idia aemula</i>	Common Idia	7	SNR	
			<i>Idia americalis</i>	American Idia	3	SNR	
			<i>Idia lubricalis</i>	Glossy Black Idia	1	SNR	
			<i>Idia scobialis</i>	Smoky Idia	1	SNR	
			<i>Iridopsis ephyraria</i>	Pale-winged Gray	2	SNR	
			<i>Iridopsis humaria</i>	Small Purplish Gray	1	SNR	
			<i>Iridopsis larvaria</i>	Bent-line Gray	1	SNR	
			<i>Iridopsis vellivolata</i>	Large Purplish Gray	2	SNR	
			<i>Labidomera clivicollis</i>	A Leaf Beetle	1	SNR	
			<i>Lacanobia subjuncta</i>	Speckled Cutworm Moth	1	SNR	
			<i>Lacinipolia meditata</i>	The Thinker	1	SNR	
			<i>Lebia viridis</i>	Ground Beetle	1	SNR	
			<i>Leucanthiza dircella</i>		2	SNR	
			<i>Leuconycta diphteroides</i>	Green Leuconycta	16	SNR	
			<i>Leuconycta lepidula</i>		7	SNR	
			<i>Lithacodes fasciola</i>		1	SNR	
			<i>Lobophora nivigerata</i>	Powdered Bigwing	2	SNR	
			<i>Lochmaeus bilineata</i>	Double-lined Prominent	3	SNR	
			<i>Lophocampa caryae</i>	Hickory Tussock Moth	11	SNR	
			<i>Loxostege ceralis</i>		1	SNR	
			<i>Lyttosia unitaria</i>	Common Lyttosia	19	SNR	
			<i>Macaria bisignata</i>	Red-headed Inchworm Moth	11	SNR	
			<i>Macaria minorata</i>	Minor Angle	10	SNR	
			<i>Macaria oweni</i>		3	SNR	
			<i>Macaria pinistrobata</i>	White Pine Angle	2	SNR	
			<i>Macaria signaria</i>	Pale-marked Angle	1	SNR	
			<i>Macrochilo louisiana</i>		1	SNR	
			<i>Macrurocampa marthesia</i>	Mottled Prominent	8	SNR	
			<i>Marathyssa basalis</i>	Light Marathyssa	1	SNR	
			<i>Marathyssa inficita</i>	Dark Marathyssa	5	SNR	
			<i>Meganola minuscula</i>	Confused Meganola	21	SNR	
			<i>Melanolophia signataria</i>	Signate Melanolophia	2	SNR	
			<i>Melanomma auricinctaria</i>		2	SNR	
			<i>Metalectra discalis</i>	Common Fugus Moth	2	SNR	

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			Metanema inatomaria	Pale Metanema	6	SNR	
			Microcrambus biguttellus		1	SNR	
			Microcrambus elegans		5	SNR	
			Micrurapteryx salicifoliella		1	SNR	
			Mompha eloisella		1	SNR	
			Nedra ramosula	Gray Half-spot	2	SNR	
			Nematocampa resistaria	Horned Spanworm Moth	11	SNR	
			Nemoria bistriaria		3	SNR	
			Neoligia exhausta		1	SNR	
			Nerice bidentata	Double-toothed Prominent	9	SNR	
			Notodonta scitipennis		5	SNR	
			Notodonta torva		2	SNR	
			Odontosia elegans	Elegant Prominent	3	SNR	
			Ogdoconta cinereola	Common Pinkband	2	SNR	
			Olethreutes bipartitana		1	SNR	
			Olethreutes fasciatana		1	SNR	
			Olethreutes merrickana		1	SNR	
			Oligocentria lignicolor	White-streaked Prominent	2	SNR	
			Oligocentria semirufescens	Red-washed Prominent	3	SNR	
			Oneida lunulalis		3	SNR	
			Orthodes majuscula	Rustic Quaker	1	SNR	
			Orthotaenia undulana		1	SNR	
			Packardia geminata		2	SNR	
			Palpita magniferalis		8	SNR	
			Palthis angulalis	Dark-spotted Palthis	6	SNR	
			Pandemis lamprosana		3	SNR	
			Pandemis limitata	Three-lined Leafroller Moth	1	SNR	
			Panopoda carneicosta	Brown Panopoda	1	SNR	
			Panopoda rufimargo	Red-lined Panopoda	7	SNR	
			Pantographa limata	Basswood Leafroller Moth	1	SNR	
			Paraclemensia acerifoliella	Maple Leafcutter Moth	1	SNR	
			Parallelia bistriaris	Maple Looper Moth	7	SNR	
			Parapoynx allionealis		6	SNR	
			Pediasia trisecta		3	SNR	
			Pelochrista cataclystiana		1	SNR	
			Peoria approximella		5	SNR	
			Peridea angulosa	Angulose Prominent	7	SNR	
			Pero morrisonaria	Morrison's Pero	2	SNR	
			Phaeoura quernaria	Oak Beauty	9	SNR	
			Pheosia rimosa	Black-rimmed Prominent	8	SNR	
			Phosphila miselioides	Spotted Phosphila	1	SNR	



# KINGDOM

## Animalia

**Total Number of Unique Species Recorded: 595**

Rank	No.	%		Community Occurrences	Provincial S-Rank	SARO	Federal COSEWIC
			Plagodis fervidaria	Fervid Plagodis	1	SNR	
			Plagodis kuetzingi	Purple Plagodis	4	SNR	
			Plagodis phlogosaria	Straight-lined Plagodis	1	SNR	
			Pleuroprucha insulsaria	Common Tan Wave	1	SNR	
			Plusia venusta	White-streaked Looper Moth	8	SNR	
			Plutella xylostella	Diamondback Moth	1	SNR	
			Pococera asperatella		24	SNR	
			Pococera expandens		3	SNR	
			Ponometia erastrioides	Small Bird-dropping Moth	12	SNR	
			Probole amicaria	Friendly Probole	8	SNR	
			Protitame virginalis	Virgin Moth	2	SNR	
			Protodeltote muscosa	Large Mossy Lithacodia	11	SNR	
			Pseudosciaphila duplex		3	SNR	
			Psilocorsis quercicella		1	SNR	
			Psilocorsis reflexella		3	SNR	
			Pyrausta acronalis		1	SNR	
			Pyrausta signatalis		4	SNR	
			Renia flavipunctalis		1	SNR	
			Rivula propinqualis	Spotted Grass Moth	5	SNR	
			Salebriaria engeli		1	SNR	
			Saucrobotys futilalis		3	SNR	
			Schinia florida	Primrose Moth	1	SNR	
			Schinia lynx	Lynx Flower Moth	1	SNR	
			Schizura concinna	Red-humped Caterpillar Moth	1	SNR	
			Schizura ipomoeae	Morning-glory Prominent	3	SNR	
			Schizura leptinoides	Black-blotched Schizura	2	SNR	
			Schizura unicornis	Unicorn Caterpillar Moth	5	SNR	
			Sciota vetustella		3	SNR	
			Sciota virgatella		1	SNR	
			Scoparia biplagiata		3	SNR	
			Scopula inductata	Soft-lined Wave	4	SNR	
			Scopula junctaria	Simple Wave	1	SNR	
			Scopula limboundata	Large Lace-border	14	SNR	
			Spargaloma sexpunctata	Six-spotted Gray	6	SNR	
			Sparganothis sulfureana	Sparganothis Fruitworm Moth	4	SNR	
			Sparganothis tristriata		2	SNR	
			Sparganothis unifasciana		3	SNR	
			Sparganothis xanthoides		2	SNR	
			Speranza ribearia	Currant Spanworm Moth	2	SNR	
			Symmerista canicosta		2	SNR	
			Syngrapha abstrusa		2	SNR	

# KINGDOM

## Animalia

**Total Number of Unique Species Recorded: 595**

Rank	No.	%			Community Occurrences	Provincial S-Rank	SARO	Federal COSEWIC
			Syngnatha rectangula	Salt-and-Pepper Looper Moth	1	SNR		
			Tacparia atropunctata		1	SNR		
			Tetracis cachexiata	White Slant-line	2	SNR		
			Tetraopes tetrophthalmus	A Longhorned Beetle	1	SNR		
			Tortricidia flexuosa		1	SNR		
			Tortricidia testacea		6	SNR		
			Udea rubigalis	Celery Leaf-tier Moth	1	SNR		
			Urola nivalis		7	SNR		
			Virbia laeta	Joyful Holomelina	5	SNR		
			Xestia badicollis	Northern Variable Dart	1	SNR		
			Xestia c-nigrum		1	SNR		
			Xestia praevia		1	SNR		
			Zanclognatha jacchusalis		1	SNR		
			Zanclognatha lituralis	Lettered Zanclognatha	1	SNR		
			Zanclognatha pedipilalis	Grayish Zanclognatha	6	SNR		
<b>SU</b>	<b>3</b>	<b>0.5</b>						
			Banksiola dossuaria	Laughing Giant Caddisfly	2	SU		
			Darapsa myron	Hog Sphinx	6	SU		
			Hydatophylax argus	Argus Northern Caddisfly	5	SU		

## Fungi

**Total Number of Unique Species Recorded: 1**

Rank	No.	%			Community Occurrences	Provincial S-Rank	SARO	Federal COSEWIC
<b>S5</b>	<b>1</b>	<b>100.0</b>						
			Peltigera canina	Dog Lichen	1	S5		

## Plantae

**Total Number of Unique Species Recorded: 356**

Rank	No.	%			Community Occurrences	Provincial S-Rank	SARO	Federal COSEWIC
<b>S2?</b>	<b>1</b>	<b>0.3</b>						
			Juglans cinerea	Butternut	2	S2?	END	END
<b>S3</b>	<b>1</b>	<b>0.3</b>						
			Fraxinus nigra	Black Ash	20	S3		THR
<b>S4</b>	<b>22</b>	<b>6.2</b>						
			Acorus americanus	American Sweetflag	1	S4		
			Anemone cylindrica	Long-headed Anemone	1	S4		
			Asplenium trichomanes	Maidenhair Spleenwort	3	S4		
			Bromus kalmii	Kalm's Brome	2	S4		
			Carex brevior	Short-beaked Sedge	1	S4		
			Cycloloma atriplicifolium	Winged Pigweed	1	S4		

# KINGDOM

## Plantae

**Total Number of Unique Species Recorded: 356**

Rank	No.	%		Community Occurrences	Provincial S-Rank SARO	Federal COSEWIC
			Desmodium canadense	Showy Tick-trefoil	1	S4
			Dichanthelium latifolium	Broad-leaved Panicgrass	3	S4
			Dichanthelium xanthophysum	Pale Panicgrass	1	S4
			Dirca palustris	Eastern Leatherwood	4	S4
			Fagus grandifolia	American Beech	2	S4
			Fraxinus americana	White Ash	24	S4
			Fraxinus pennsylvanica	Green Ash	2	S4
			Hedeoma hispida	Rough False Pennyroyal	2	S4
			Hylodesmum glutinosum	Large Tick-trefoil	1	S4
			Hypericum kalmianum	Kalm's St. John's-wort	6	S4
			Hypopitys monotropa	Pinesap	1	S4
			Penstemon hirsutus	Hairy Beardtongue	2	S4
			Physalis heterophylla	Clammy Ground-cherry	3	S4
			Proserpinaca palustris	Marsh Mermaid-weed	1	S4
			Scirpus hattorianus	Mosquito Bulrush	1	S4
			Verbena stricta	Hoary Vervain	4	S4
<b>S4?</b>	<b>3</b>	<b>0.8</b>				
			Alisma subcordatum	Southern Water-plantain	1	S4?
			Echinochloa muricata var. muricata	Rough Barnyard Grass	1	S4?
			Parthenocissus quinquefolia	Virginia Creeper	11	S4?
<b>S4S5</b>	<b>2</b>	<b>0.6</b>				
			Calystegia spithamea	Low False Bindweed	3	S4S5
			Liparis loeselii	Loesel's Twayblade	1	S4S5
<b>S5</b>	<b>260</b>	<b>73.0</b>				
			Abies balsamea	Balsam Fir	21	S5
			Acalypha rhomboidea	Common Three-seeded Mercury	1	S5
			Acer rubrum	Red Maple	21	S5
			Acer saccharinum	Silver Maple	3	S5
			Acer saccharum	Sugar Maple	23	S5
			Acer spicatum	Mountain Maple	2	S5
			Actaea pachypoda	White Baneberry	3	S5
			Adiantum pedatum	Northern Maidenhair Fern	1	S5
			Agrimonia gryposepala	Hooked Agrimony	5	S5
			Agrostis scabra	Rough Bentgrass	1	S5
			Alisma triviale	Northern Water-plantain	1	S5
			Alnus incana	Gray Alder	8	S5
			Ambrosia artemisiifolia	Common Ragweed	11	S5

# KINGDOM

## Plantae

**Total Number of Unique Species Recorded: 356**

Rank	No.	%		Community Occurrences	Provincial S-Rank	SARO	Federal COSEWIC
			Amelanchier laevis	Smooth Serviceberry	4	S5	
			Anaphalis margaritacea	Pearly Everlasting	1	S5	
			Anemonastrum canadense	Canada Anemone	5	S5	
			Antennaria neglecta	Field Pussytoes	1	S5	
			Apocynum androsaemifolium	Spreading Dogbane	16	S5	
			Aquilegia canadensis	Red Columbine	1	S5	
			Aralia nudicaulis	Wild Sarsaparilla	23	S5	
			Aralia racemosa	American Spikenard	2	S5	
			Arisaema triphyllum	Jack-in-the-pulpit	1	S5	
			Asclepias incarnata	Swamp Milkweed	17	S5	
			Asclepias syriaca	Common Milkweed	16	S5	
			Athyrium filix-femina var. angustum	Northeastern Lady Fern	12	S5	
			Avenella flexuosa	Wavy Hairgrass	2	S5	
			Betula alleghaniensis	Yellow Birch	5	S5	
			Betula papyrifera	Paper Birch	20	S5	
			Boehmeria cylindrica	False Nettle	13	S5	
			Brasenia schreberi	Watershield	2	S5	
			Bromus ciliatus	Fringed Brome	2	S5	
			Calamagrostis canadensis var. canadensis	Bluejoint Reedgrass	11	S5	
			Carex arctata	Drooping Woodland Sedge	1	S5	
			Carex aurea	Golden Sedge	1	S5	
			Carex bebbii	Bebb's Sedge	1	S5	
			Carex comosa	Bristly Sedge	9	S5	
			Carex crawfordii	Crawford's Sedge	1	S5	
			Carex crinita	Fringed Sedge	4	S5	
			Carex deweyana	Dewey's Sedge	2	S5	
			Carex diandra	Lesser Panicked Sedge	3	S5	
			Carex disperma	Two-seeded Sedge	1	S5	
			Carex flava	Yellow Sedge	1	S5	
			Carex gracillima	Graceful Sedge	5	S5	
			Carex houghtoniana	Houghton's Sedge	1	S5	
			Carex interior	Inland Sedge	1	S5	
			Carex intumescens	Bladder Sedge	6	S5	
			Carex lacustris	Lake Sedge	8	S5	
			Carex lasiocarpa	Woolly-fruited Sedge	3	S5	
			Carex laxiflora	Loose-flowered Sedge	1	S5	
			Carex leptalea	Bristle-stalked Sedge	1	S5	
			Carex lupulina	Hop Sedge	2	S5	

# KINGDOM

Plantae

**Total Number of Unique Species Recorded: 356**

Rank	No.	%		Community Occurrences	Provincial S-Rank	SARO	Federal COSEWIC
			Carex magellanica	Boreal Bog Sedge	1	S5	
			Carex pedunculata	Long-stalked Sedge	7	S5	
			Carex pensylvanica	Pennsylvania Sedge	2	S5	
			Carex projecta	Necklace Sedge	1	S5	
			Carex pseudocyperus	Cyperus-like Sedge	2	S5	
			Carex retrorsa	Retorse Sedge	7	S5	
			Carex rosea	Rosy Sedge	4	S5	
			Carex scabrata	Eastern Rough Sedge	1	S5	
			Carex scoparia	Pointed Broom Sedge	3	S5	
			Carex stipata	Awl-fruited Sedge	6	S5	
			Carex tenera	Tender Sedge	1	S5	
			Carex trisperma	Three-seeded Sedge	2	S5	
			Carex vesicaria	Inflated Sedge	1	S5	
			Carex vulpinoidea	Fox Sedge	6	S5	
			Caulophyllum thalictroides	Blue Cohosh	2	S5	
			Chenopodium simplex	Maple-leaved Goosefoot	1	S5	
			Cicuta bulbifera	Bulb-bearing Water-hemlock	9	S5	
			Cinna latifolia	Drooping Woodreed	1	S5	
			Circaea alpina	Small Enchanter's Nightshade	5	S5	
			Circaea canadensis	Broad-leaved Enchanter's Nightshade	7	S5	
			Clinopodium vulgare	Wild Basil	14	S5	
			Clintonia borealis	Blue Bead-lily	1	S5	
			Comarum palustre	Marsh Cinquefoil	7	S5	
			Coptis trifolia	Goldthread	5	S5	
			Cornus alternifolia	Alternate-leaved Dogwood	1	S5	
			Cornus canadensis	Bunchberry	12	S5	
			Cornus rugosa	Round-leaved Dogwood	4	S5	
			Cornus sericea	Red-osier Dogwood	2	S5	
			Corylus cornuta	Beaked Hazelnut	1	S5	
			Cystopteris bulbifera	Bulblet Fern	6	S5	
			Danthonia spicata	Poverty Oatgrass	12	S5	
			Deschampsia cespitosa	Tufted Hairgrass	1	S5	
			Dichanthelium implicatum	Slender-stemmed Panicgrass	2	S5	
			Dichanthelium linearifolium	Linear-leaved Panicgrass	1	S5	
			Diervilla lonicera	Northern Bush-honeysuckle	3	S5	
			Doellingeria umbellata var. umbellata	Flat-top White Aster	2	S5	
			Dryopteris carthusiana	Spinulose Wood Fern	6	S5	
			Dryopteris cristata	Crested Wood Fern	7	S5	

# KINGDOM

## Plantae

**Total Number of Unique Species Recorded: 356**

Rank	No.	%		Community Occurrences	Provincial S-Rank	SARO	Federal COSEWIC
			<i>Dryopteris marginalis</i>	Marginal Wood Fern	3	S5	
			<i>Dulichium arundinaceum</i>	Three-way Sedge	13	S5	
			<i>Eleocharis obtusa</i>	Blunt Spikerush	1	S5	
			<i>Eleocharis palustris</i>	Creeping Spikerush	5	S5	
			<i>Elymus hystrix</i>	Bottlebrush Grass	2	S5	
			<i>Elymus trachycaulus</i> ssp. <i>trachycaulus</i>	Slender Wildrye	3	S5	
			<i>Endotropis alnifolia</i>	Alder-leaved Buckthorn	8	S5	
			<i>Equisetum arvense</i>	Field Horsetail	9	S5	
			<i>Equisetum fluviatile</i>	Water Horsetail	2	S5	
			<i>Equisetum hyemale</i> ssp. <i>affine</i>	Common Scouring-rush	1	S5	
			<i>Equisetum palustre</i>	Marsh Horsetail	2	S5	
			<i>Equisetum scirpoides</i>	Dwarf Scouring-rush	3	S5	
			<i>Erigeron annuus</i>	Annual Fleabane	5	S5	
			<i>Erigeron canadensis</i>	Canada Horseweed	1	S5	
			<i>Erigeron philadelphicus</i>	Philadelphia Fleabane	3	S5	
			<i>Erigeron strigosus</i>	Rough Fleabane	1	S5	
			<i>Eriophorum viridicarinatum</i>	Green-keeled Cottongrass	1	S5	
			<i>Erysimum cheiranthoides</i>	Wormseed Wallflower	3	S5	
			<i>Eupatorium perfoliatum</i>	Common Boneset	7	S5	
			<i>Eurybia macrophylla</i>	Large-leaved Aster	14	S5	
			<i>Euthamia graminifolia</i>	Grass-leaved Goldenrod	7	S5	
			<i>Eutrochium maculatum</i> var. <i>maculatum</i>	Spotted Joe Pye Weed	6	S5	
			<i>Fragaria virginiana</i>	Wild Strawberry	7	S5	
			<i>Galium asprellum</i>	Rough Bedstraw	1	S5	
			<i>Galium palustre</i>	Marsh Bedstraw	8	S5	
			<i>Galium trifidum</i>	Three-petalled Bedstraw	1	S5	
			<i>Galium triflorum</i>	Three-flowered Bedstraw	2	S5	
			<i>Gaultheria hispidula</i>	Creeping Snowberry	2	S5	
			<i>Gaultheria procumbens</i>	Eastern Teaberry	4	S5	
			<i>Gentianopsis crinita</i>	Fringed Gentian	1	S5	
			<i>Geranium bicknellii</i>	Bicknell's Geranium	2	S5	
			<i>Geum fragarioides</i>	Barren Strawberry	12	S5	
			<i>Glyceria canadensis</i> var. <i>canadensis</i>	Canada Mannagrass	2	S5	
			<i>Glyceria striata</i>	Fowl Mannagrass	5	S5	
			<i>Gymnocarpium dryopteris</i>	Common Oak Fern	3	S5	
			<i>Hackelia virginiana</i>	Virginia Stickseed	1	S5	
			<i>Hepatica americana</i>	Round-lobed Hepatica	2	S5	

# KINGDOM

## Plantae

**Total Number of Unique Species Recorded: 356**

Rank	No.	%		Community Occurrences	Provincial S-Rank	SARO	Federal COSEWIC
			<i>Huperzia lucidula</i>	Shining Firmoss	1	S5	
			<i>Hypericum majus</i>	Larger Canadian St. John's-wort	1	S5	
			<i>Ilex verticillata</i>	Common Winterberry	9	S5	
			<i>Impatiens capensis</i>	Spotted Jewelweed	10	S5	
			<i>Iris versicolor</i>	Harlequin Blue Flag	3	S5	
			<i>Juncus articulatus</i>	Jointed Rush	1	S5	
			<i>Juncus dudleyi</i>	Dudley's Rush	1	S5	
			<i>Juncus effusus</i>	Soft Rush	1	S5	
			<i>Juncus nodosus</i>	Knotted Rush	1	S5	
			<i>Juncus tenuis</i>	Path Rush	2	S5	
			<i>Juniperus communis</i>	Common Juniper	3	S5	
			<i>Lactuca canadensis</i>	Canada Lettuce	1	S5	
			<i>Laportea canadensis</i>	Wood Nettle	1	S5	
			<i>Larix laricina</i>	Tamarack	9	S5	
			<i>Leersia oryzoides</i>	Rice Cutgrass	1	S5	
			<i>Lilium philadelphicum</i>	Wood Lily	6	S5	
			<i>Linnaea borealis</i>	Twinline	1	S5	
			<i>Lobelia inflata</i>	Indian-tobacco	3	S5	
			<i>Lonicera canadensis</i>	Canada Fly Honeysuckle	4	S5	
			<i>Lonicera dioica</i>	Limber Honeysuckle	2	S5	
			<i>Lycopus americanus</i>	American Water-horehound	5	S5	
			<i>Lycopus uniflorus</i>	Northern Water-horehound	13	S5	
			<i>Lysimachia borealis</i>	Northern Starflower	6	S5	
			<i>Lysimachia ciliata</i>	Fringed Loosestrife	1	S5	
			<i>Lysimachia terrestris</i>	Swamp Loosestrife	2	S5	
			<i>Lysimachia thyrsoiflora</i>	Water Loosestrife	5	S5	
			<i>Maianthemum canadense</i> ssp. canadense	Wild Lily-of-the-valley	16	S5	
			<i>Matteuccia struthiopteris</i>	Ostrich Fern	8	S5	
			<i>Melampyrum lineare</i>	American Cow-wheat	4	S5	
			<i>Mentha canadensis</i>	Canada Mint	1	S5	
			<i>Menyanthes trifoliata</i>	Bog Buckbean	4	S5	
			<i>Micranthes virginensis</i>	Early Saxifrage	1	S5	
			<i>Mimulus ringens</i>	Square-stemmed Monkeyflower	2	S5	
			<i>Mitella diphylla</i>	Two-leaved Mitrewort	2	S5	
			<i>Mitella nuda</i>	Naked Mitrewort	4	S5	
			<i>Monotropa uniflora</i>	Indian-pipe	1	S5	
			<i>Nabalus albus</i>	White Rattlesnakeroot	1	S5	
			<i>Nuphar variegata</i>	Variiegated Pond-lily	3	S5	

# KINGDOM

## Plantae

**Total Number of Unique Species Recorded: 356**

Rank	No.	%		Community Occurrences	Provincial S-Rank	SARO	Federal COSEWIC
			<i>Oenothera biennis</i>	Common Evening-primrose	1	S5	
			<i>Oenothera perennis</i>	Perennial Evening-primrose	3	S5	
			<i>Onoclea sensibilis</i>	Sensitive Fern	13	S5	
			<i>Oryzopsis asperifolia</i>	White-grained Mountain-ricegrass	16	S5	
			<i>Osmorhiza claytonii</i>	Hairy Sweet Cicely	4	S5	
			<i>Osmunda regalis</i>	Royal Fern	7	S5	
			<i>Osmunda regalis</i> var. <i>spectabilis</i>	Royal Fern	1	S5	
			<i>Osmundastrum cinnamomeum</i>	Cinnamon Fern	7	S5	
			<i>Ostrya virginiana</i>	Eastern Hop-hornbeam	13	S5	
			<i>Oxalis stricta</i>	Upright Yellow Wood-sorrel	2	S5	
			<i>Panicum capillare</i>	Common Panicgrass	1	S5	
			<i>Parthenocissus vitacea</i>	Thicket Creeper	1	S5	
			<i>Pedicularis canadensis</i>	Canada Lousewort	2	S5	
			<i>Persicaria amphibia</i>	Water Smartweed	1	S5	
			<i>Phalaris arundinacea</i> var. <i>arundinacea</i>	Reed Canary Grass	7	S5	
			<i>Phegopteris connectilis</i>	Northern Beech Fern	2	S5	
			<i>Picea glauca</i>	White Spruce	31	S5	
			<i>Pinus strobus</i>	Eastern White Pine	15	S5	
			<i>Plantago rugelii</i>	Rugel's Plantain	2	S5	
			<i>Polygaloides paucifolia</i>	Gay-wing Milkwort	13	S5	
			<i>Polygonatum pubescens</i>	Hairy Solomon's Seal	7	S5	
			<i>Populus balsamifera</i>	Balsam Poplar	12	S5	
			<i>Populus grandidentata</i>	Large-toothed Aspen	22	S5	
			<i>Populus tremuloides</i>	Trembling Aspen	15	S5	
			<i>Potamogeton natans</i>	Floating Pondweed	6	S5	
			<i>Potentilla norvegica</i>	Norwegian Cinquefoil	1	S5	
			<i>Potentilla simplex</i>	Old-field Cinquefoil	1	S5	
			<i>Prunus pensylvanica</i>	Pin Cherry	3	S5	
			<i>Prunus serotina</i>	Black Cherry	3	S5	
			<i>Prunus virginiana</i>	Choke Cherry	3	S5	
			<i>Pteridium aquilinum</i>	Bracken Fern	32	S5	
			<i>Pyrola elliptica</i>	Shinleaf	1	S5	
			<i>Quercus alba</i>	White Oak	7	S5	
			<i>Quercus macrocarpa</i>	Bur Oak	14	S5	
			<i>Quercus rubra</i>	Northern Red Oak	21	S5	
			<i>Ranunculus pensylvanicus</i>	Pennsylvania Buttercup	1	S5	
			<i>Rhus typhina</i>	Staghorn Sumac	1	S5	



# KINGDOM

## Plantae

**Total Number of Unique Species Recorded: 356**

Rank	No.	%		Community Occurrences	Provincial S-Rank	Federal COSEWIC
			<i>Ribes cynosbati</i>	Prickly Gooseberry	4	S5
			<i>Ribes triste</i>	Swamp Red Currant	1	S5
			<i>Rosa acicularis</i>	Prickly Rose	2	S5
			<i>Rubus allegheniensis</i>	Allegheny Blackberry	13	S5
			<i>Rubus idaeus</i> ssp. <i>strigosus</i>	Wild Red Raspberry	1	S5
			<i>Rubus occidentalis</i>	Black Raspberry	5	S5
			<i>Rubus odoratus</i>	Purple-flowering Raspberry	15	S5
			<i>Rubus pubescens</i>	Dewberry	12	S5
			<i>Rudbeckia hirta</i>	Black-eyed Susan	14	S5
			<i>Rumex britannica</i>	Water Dock	1	S5
			<i>Sagittaria latifolia</i>	Broad-leaved Arrowhead	9	S5
			<i>Salix amygdaloides</i>	Peach-leaved Willow	1	S5
			<i>Salix bebbiana</i>	Bebb's Willow	4	S5
			<i>Salix discolor</i>	Pussy Willow	1	S5
			<i>Salix eriocephala</i>	Heart-leaved Willow	1	S5
			<i>Salix lucida</i>	Shining Willow	1	S5
			<i>Salix petiolaris</i>	Meadow Willow	7	S5
			<i>Sanicula marilandica</i>	Maryland Sanicle	1	S5
			<i>Schizachne purpurascens</i>	Purple False Melic	1	S5
			<i>Schoenoplectus acutus</i>	Hard-stemmed Bulrush	3	S5
			<i>Schoenoplectus tabernaemontani</i>	Soft-stemmed Bulrush	3	S5
			<i>Scirpus atrovirens</i>	Dark-green Bulrush	5	S5
			<i>Scirpus cyperinus</i>	Cottongrass Bulrush	8	S5
			<i>Scirpus pendulus</i>	Rufous Bulrush	2	S5
			<i>Scutellaria galericulata</i>	Hooded Skullcap	4	S5
			<i>Scutellaria lateriflora</i>	Mad Dog Skullcap	4	S5
			<i>Silene antirrhina</i>	Sleepy Catchfly	2	S5
			<i>Sium suave</i>	Hemlock Water-parsnip	5	S5
			<i>Solidago canadensis</i> var. <i>canadensis</i>	Canada Goldenrod	1	S5
			<i>Solidago juncea</i>	Early Goldenrod	8	S5
			<i>Solidago nemoralis</i> ssp. <i>nemoralis</i>	Gray-stemmed Goldenrod	4	S5
			<i>Solidago rugosa</i> ssp. <i>rugosa</i>	Northern Rough-stemmed Goldenrod	6	S5
			<i>Spiraea alba</i>	White Meadowsweet	16	S5
			<i>Spirodela polyrhiza</i>	Great Duckweed	4	S5
			<i>Symphoricarpos albus</i> var. <i>albus</i>	Common Snowberry	6	S5
			<i>Symphotrichum cordifolium</i>	Heart-leaved Aster	5	S5

# KINGDOM

## Plantae

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Rank	No.	%		Community Occurrences	Provincial S-Rank	Federal COSEWIC
			Symphyotrichum lateriflorum var. lateriflorum	1	S5	
			Symphyotrichum novae-angliae	1	S5	
			Thalictrum dioicum	1	S5	
			Thelypteris palustris	25	S5	
			Thuja occidentalis	24	S5	
			Tilia americana	8	S5	
			Toxicodendron radicans	8	S5	
			Toxicodendron radicans var. rydbergii	2	S5	
			Trichophorum cespitosum	1	S5	
			Triglochin palustris	1	S5	
			Trillium grandiflorum	2	S5	
			Tsuga canadensis	5	S5	
			Turritis glabra	3	S5	
			Typha latifolia	16	S5	
			Ulmus americana	12	S5	
			Utricularia cornuta	6	S5	
			Uvularia grandiflora	3	S5	
			Verbena hastata	6	S5	
			Viburnum acerifolium	8	S5	
			Viburnum rafinesqueanum	2	S5	
			Viola canadensis var. canadensis	1	S5	
			Vitis riparia	7	S5	
			Wolffia columbiana	1	S5	
<b>S5?</b>	<b>3</b>	<b>0.8</b>	Anemone virginiana var. virginiana	2	S5?	
			Lemna minor	2	S5?	
			Nymphaea odorata ssp. odorata	1	S5?	
<b>SNA</b>	<b>59</b>	<b>16.6</b>	Acer x freemanii	10	SNA	
			Achillea millefolium	8	SNA	
			Agrostis gigantea	1	SNA	
			Arctium minus	2	SNA	
			Arenaria serpyllifolia	1	SNA	
			Asparagus officinalis	5	SNA	

# KINGDOM

## Plantae

**Total Number of Unique Species Recorded: 356**

Rank	No.	%		Community Occurrences	Provincial S-Rank	SARO	Federal COSEWIC
			Bassia scoparia	Common Kochia	1	SNA	
			Bromus inermis	Smooth Brome	4	SNA	
			Carduus nutans ssp. nutans	Nodding Thistle	5	SNA	
			Crepis tectorum	Narrow-leaved Hawksbeard	1	SNA	
			Dactylis glomerata	Orchard Grass	1	SNA	
			Daucus carota	Wild Carrot	1	SNA	
			Dianthus armeria	Deptford Pink	2	SNA	
			Echium vulgare	Common Viper's Bugloss	7	SNA	
			Elymus repens	Creeping Wildrye	4	SNA	
			Epipactis helleborine	Eastern Helleborine	11	SNA	
			Erucastrum gallicum	Common Dogmustard	1	SNA	
			Galeopsis bifida	Bifid Hemp-nettle	1	SNA	
			Hypericum perforatum	Common St. John's-wort	8	SNA	
			Lepidium campestre	Field Peppergrass	1	SNA	
			Leucanthemum vulgare	Oxeye Daisy	9	SNA	
			Linaria vulgaris	Butter-and-eggs	1	SNA	
			Lotus corniculatus	Garden Bird's-foot Trefoil	1	SNA	
			Lythrum salicaria	Purple Loosestrife	7	SNA	
			Medicago lupulina	Black Medic	4	SNA	
			Melilotus albus	White Sweet-clover	12	SNA	
			Persicaria maculosa	Spotted Lady's-thumb	1	SNA	
			Phleum pratense	Common Timothy	2	SNA	
			Pilosella aurantiaca	Orange Hawkweed	5	SNA	
			Pilosella piloselloides ssp. piloselloides	Tall Hawkweed	6	SNA	
			Plantago lanceolata	English Plantain	2	SNA	
			Plantago major	Common Plantain	5	SNA	
			Poa compressa	Canada Bluegrass	5	SNA	
			Polygonum aviculare ssp. aviculare	Prostrate Knotweed	1	SNA	
			Potentilla argentea	Silvery Cinquefoil	3	SNA	
			Potentilla recta	Sulphur Cinquefoil	7	SNA	
			Prunella vulgaris ssp. vulgaris	Common Self-heal	5	SNA	
			Ranunculus acris	Tall Buttercup	4	SNA	
			Rubus idaeus ssp. idaeus	Common Red Raspberry	15	SNA	
			Rumex acetosella	Sheep Sorrel	3	SNA	
			Salsola collina	Slender Russian Thistle	1	SNA	
			Saponaria officinalis	Bouncing-bet	1	SNA	
			Setaria pumila	Yellow Foxtail	1	SNA	
			Setaria viridis	Green Foxtail	1	SNA	

# KINGDOM

Plantae

Total Number of Unique Species Recorded: 356

Rank	No.	%		Community Occurrences	Provincial S-Rank	SARO	Federal COSEWIC
			<i>Silene vulgaris</i>	Bladder Campion	6	SNA	
			<i>Solanum dulcamara</i>	Bittersweet Nightshade	7	SNA	
			<i>Taraxacum officinale</i>	Common Dandelion	3	SNA	
			<i>Tragopogon dubius</i>	Yellow Goat's-beard	1	SNA	
			<i>Trifolium aureum</i>	Yellow Clover	11	SNA	
			<i>Trifolium campestre</i>	Low Hop Clover	3	SNA	
			<i>Trifolium hybridum</i>	Alsike Clover	3	SNA	
			<i>Trifolium pratense</i>	Red Clover	9	SNA	
			<i>Trifolium repens</i>	White Clover	3	SNA	
			<i>Tussilago farfara</i>	Colt's-foot	4	SNA	
			<i>Typha angustifolia</i>	Narrow-leaved Cattail	4	SNA	
			<i>Verbascum thapsus</i>	Common Mullein	12	SNA	
			<i>Veronica officinalis</i>	Common Speedwell	2	SNA	
			<i>Vicia cracca</i>	Tufted Vetch	11	SNA	
			<i>Vicia sativa</i>	Common Vetch	1	SNA	
<b>SU</b>	<b>5</b>	<b>1.4</b>					
			<i>Carex brunnescens</i> ssp. <i>brunnescens</i>	Brownish Sedge	1	SU	
			<i>Geum macrophyllum</i> var. <i>macrophyllum</i>	Large-leaved Avens	1	SU	
			<i>Monarda fistulosa</i> var. <i>fistulosa</i>	Wild Bergamot	1	SU	
			<i>Sparganium emersum</i>	Green-fruited Burreed	1	SU	
			<i>Spiraea tomentosa</i> var. <i>tomentosa</i>	Steeplebush	2	SU	