



## **Baseline Documentation Report**



**Madawaska Club**

**Ecodistrict 5E-7, Eastern Georgian Bay**

**Township of Georgian Bay**

**August 2023**

Authors: Aaron Rusak and Bill Lougheed with contributions from Eleanor Proctor

Additional field data acquisition by Stefani Matis, Evan Ward, Joseph Gillan, Bradley Squarek and Brooks Greer

Georgian Bay Land Trust

#1000-120 Eglinton Ave. East

Toronto, ON M4P 1E2

## **Georgian Bay Land Trust Land Protection Program**

The Land Protection Program of the GBLT is supported by the Executive Director and Protected Areas Manager of the GBLT, as well as the GBLT Land Protection Committee, made up of Directors and volunteers passionate about the ongoing protection of GBLT properties and Georgian Bay.

The responsibilities of the Land Protection Program include identifying new potential projects, monitoring the progress and negotiations for each project, organizing the completion of initial inventories and the completion of appropriate documentation including the Case for Conservation (CFC), Environmental Assessment and if required, the Ecogift certification, conservation easement document and other necessary items for the completion of a land protection deal. These documents provide the necessary information in completing the management plan and stewardship plan organized and administered by GBLT's Stewardship Program.

The format of this report was completed in accordance with the Standards and Practices of the Canadian Land Trust Alliance and portions of the document are based on the Baseline Report Template of the Nature Conservancy of Canada, Ontario Region.

### **Disclaimer**

This report, including the attached schedules and appendices are, to the best of GBLT's knowledge, an accurate description of the natural features and land uses on the Subject Property.

## **1 INTRODUCTION**

The purpose of the enclosed information is to describe the physical features and current land uses of the Subject Property in the Township of Georgian Bay. The owner of the property intends to protect the property through a Conservation Easement Agreement between the Owner and the GBLT. The information in this report is based on repeated site visits and reports made by the GBLT staff Aaron Rusak, Bill Loughheed and Eleanor Proctor, GBLT summer research students Stefani Matis, Bradley Squarek and GBLT conservation interns Evan Ward and Joseph Gillan and previous work by Brooks Greer. As the species inventory is ongoing to the end of August GBLT may add additional species observations to this report.

## **2 PROPERTY SUMMARY**

### **2.1 Location**

#### *General Description:*

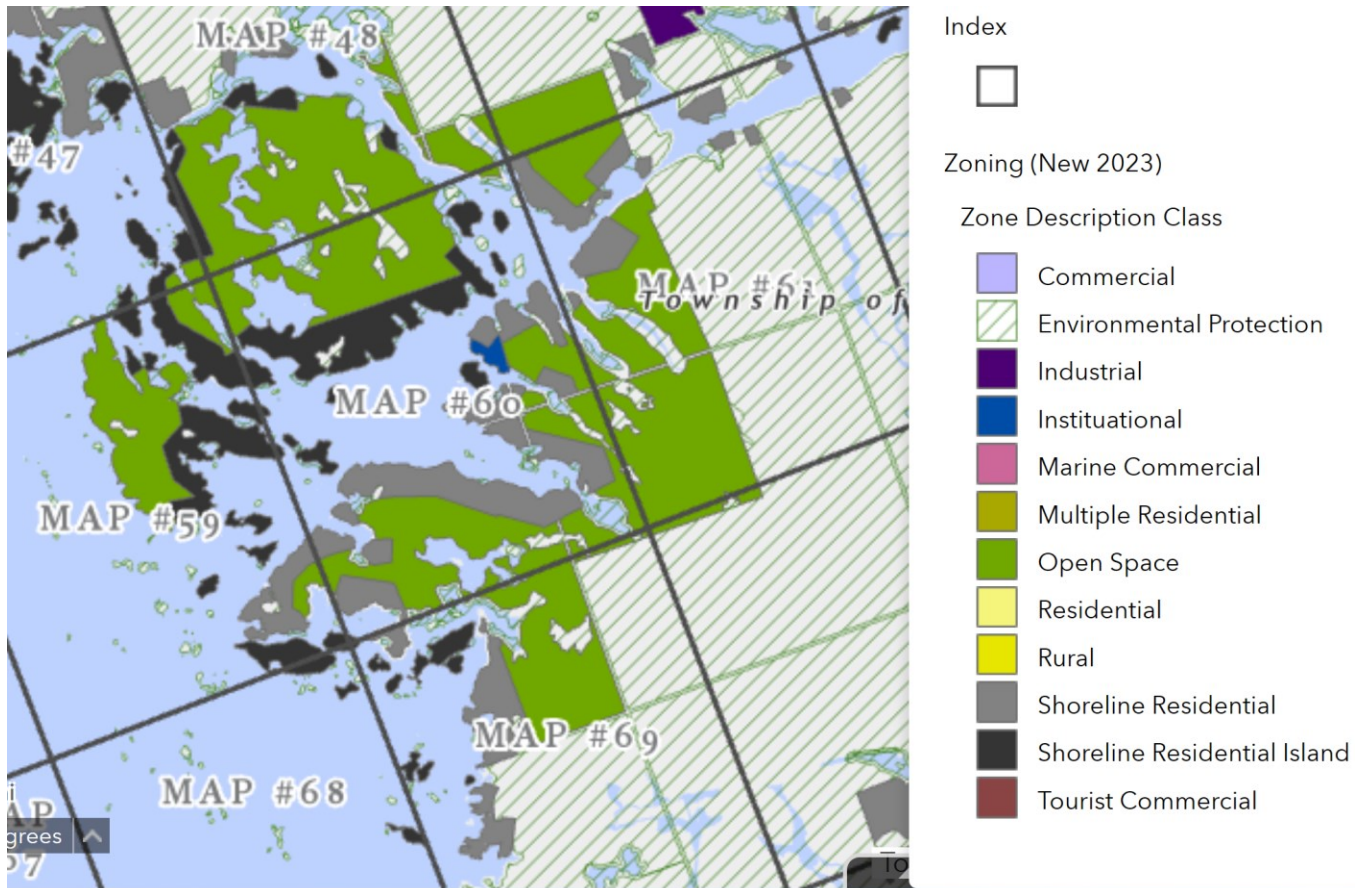
The large approximately 580 ha Subject Property is located in Go Home Bay, Georgian Bay north of Cognashene and south of Wah Wah Taysee. The GBLT Split Rock, Martin Reach and South Pine GBLT properties are close by. To the proximate north lie the Zimmerman and Tadenac Conservation Easements and

the GBLT Tadenac Coastal Lots. The Subject Property contains a mix of significant habitats and provides habitat for several species at risk. The areas proposed for Conservation Easement amount to approximately 570 ha.

*Legal Description:* The legal descriptions for all lands may be found in the Conservation Agreement

Subject Property is zoned Open Space (OS) with portions designated EP as per the zoning map below.

### Zoning Map



Zoning as at August 1, 2023

## 2.2 Property Areas

*Area of Open Lands:* 581.9 ha

*Area of Conservation Easement:* 568.4 ha

*Area Excluded from Conservation Easement:* 13.5 ha

## 2.3 Landowner

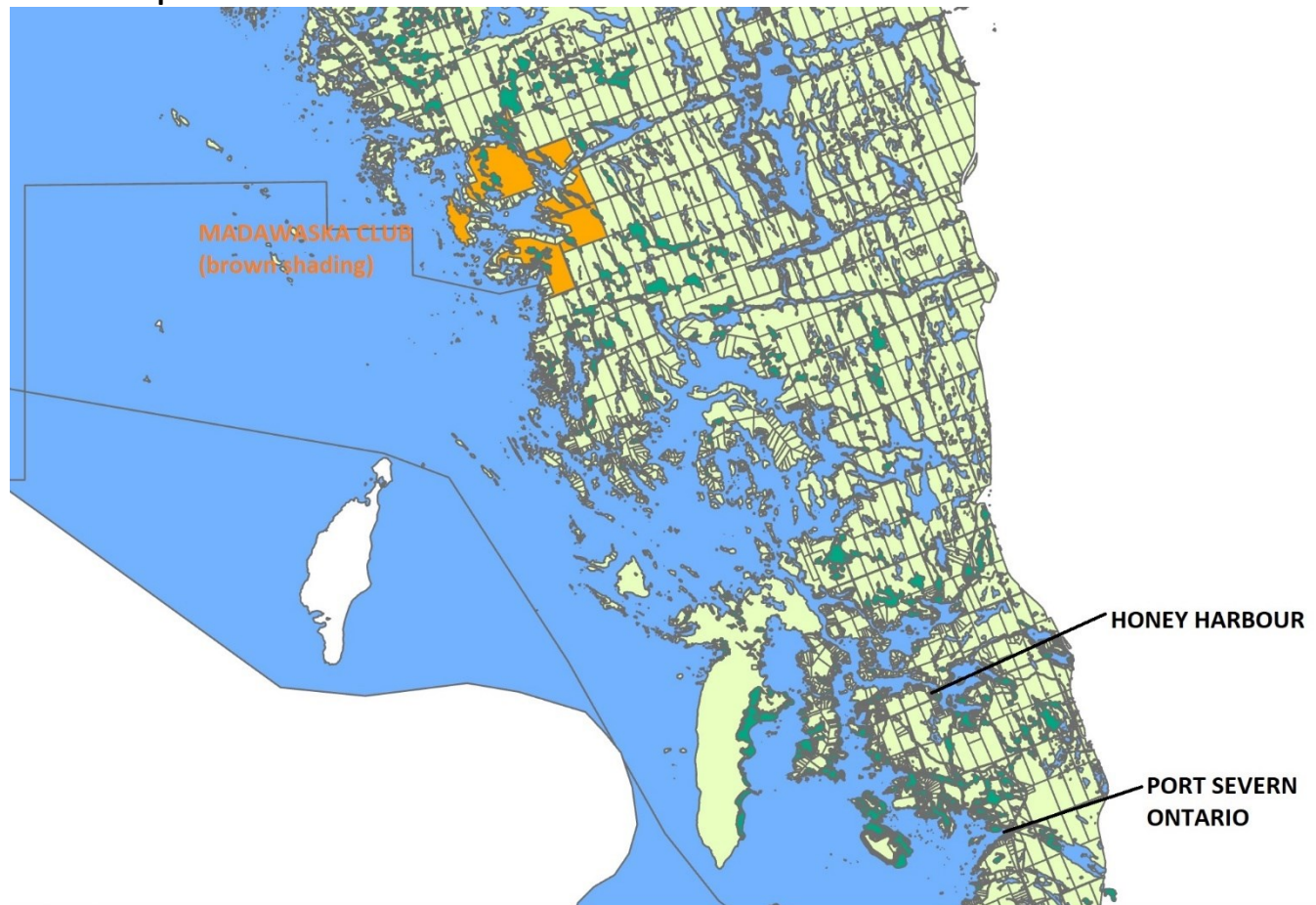
The Madawaska Club of Go Home Bay  
c/o secretary@gohomebay.com

## 2.4 Property Access

The property is accessible by boat only. The closest marina is King Bay Marina.

**Figure 1: Property Map and Location**

### Locator Map



### 3 THE PROPERTY'S NATURAL HERITAGE VALUES

#### 3.1 Conditions at the time of data collection for the Report

The summary of the sites visits is listed in Table 1 below. The property has been inventoried during multiple visits in 2023 and during previous visits dating back 4 years.

**Table 1: Site Visit Summaries**

<i>Date</i>	<i>Purpose</i>		<i>Climatic Condition</i>	<i>Staff</i>
Summer of 2019 Summer of 2022	Multiple site visits		Daily weather conditions during site visits recorded in GBLT data logs	Bill Lougheed, Brooks Greer, Aaron Rusak, Eleanor Proctor
May 1 2023 to August 31, 2023	Multiple visits per week completed beginning in May and planned site visits through September 1		Daily weather conditions during site visits recorded in GBLT data logs	Aaron Rusak, Eleanor Proctor, Robin Jones, Bill Lougheed, Stefani Matis, Evan Ward, Bradley Squarek, Evan Ward, Joseph Gillan

#### 3.2 Significance of the Property & Conservation Targets

##### *Natural Area Significance*

The proximate natural area is part of the interior barren gneissic rocklands as described by Chapman and Putnam (1984) and Macdonald (1986). It is found within biophysical unit VIIa-7 described as ‘weakly broken bare bedrock plain (organic)’. This biophysical unit is one of the two most common units found along the eastern coast of Georgian Bay and includes representation of characteristic communities in areas where soil development is minimal. The area has the greatest land -water interface on the great lakes which supports its rich biodiversity of herpetofauna. The area is part of a UNESCO Biosphere Reserve and forms the southern part of the world’s largest freshwater archipelago (10 x the size of the next largest in Africa).

##### *Property Significance*

This large 580 ha private property is one of the largest private land holdings on the eastern coast of Georgian Bay. Situated only 1.5 h north of the 6M expanding population of greater Toronto, these lands are highly valued and under continual development pressure. Most importantly these lands form a connecting bridge in along an 8km by 30km coastal corridor. This Conservation Easement will connect northward through Moreau's Bay Conservation Reserve to the 2,200 ha Tadenac Nature Reserve. Southward it will connect to the 5,000 ha Cognashene Lake Conservation Reserve. In so doing, the Madawaska Club Conservation Easement ensures the permanent protection of a 30km long coastal corridor on a Ontario-designated "Great Lakes Heritage Coast".

The corridor provides: 1. coastal connectivity for aquatic species; 2. important upland wetland connectivity (1/3 of uplands are wetlands) for the highest biodiversity of reptiles and amphibians in Canada (Dr. John Reilly, former NCC Chief Scientist), and 3. coastal forest connectivity including areas of Old Growth (see MAP).

The Madawaska Club property is located approximately 50 km south of Parry Sound Ontario at Go Home Bay (see MAP) and lies within the Georgian Bay UNESCO World Biosphere Reserve; and is additionally designated as a key biodiversity area (Eastern Georgian Bay Community Nominated Priority Place) by Environment and Climate Change Canada (ECCC). These designations reflect Eastern Georgian Bay's importance with regards to both biodiversity and the conservation of species at risk (SAR). This conservation project protects lands of high habitat diversity. The Go Home Bay area is identified as a Priority Place for Conservation in two regional/ecodistrict level conservation plans (Great Lakes Conservation Blueprint (GLCB) and the NCC - GBLT Eastern Georgian Bay Natural Area Conservation Plan (EGB NACP). In the EGB NACP most of these lands are awarded the highest conservation ranking for Island Biodiversity, Reptiles and Turtles and Conservation Action and some areas in the southeastern section score priority 1 for Coastal Forests. The project's lands are ranked in the top 25% category under 3 assessment criteria: High Value Biodiversity, High Value Wetlands, High Value Forests in the Canadian Wildlife Services 2017 Conservation Assessment ""Landscape and Conservation Assessment for the Mixedwood Plains (BCR 13)"". During inventories of the project lands (since 2019) GBLT ecologists have identified 22 federally and provincially listed species at risk. Per COSEWIC status, 6 are endangered, 6 are threatened and 10 are special concern. Twenty-two provincially listed (SARO) species were identified of which 4 are endangered, 6 provincially threatened and 10 of special concern. Please refer to the Species Inventories for the SAR observations and to the Photos Section for SAR pictures.

Repeated surveys over a period of 4 years have identified 26 vegetation communities on this large unfragmented area that contains habitat for over 200 plants, over 100 bird species, 25 herpetofauna, 21 mammals and over 40 insect species.

### *Representation of Landform Types*

Shrubbed rock barrens and semi-open forested rock barrens dominate much of the terrestrial area. Very large areas of Oak - Red Maple - Pine Treed Granite Barren dominate the landscape with areas half this size of Dry - Fresh White Pine - Oak Mixed Forest Type. Open Dry Granite Barrens are represented at about 15% (see table below).

The shorelines are generally Dry Acidic Open or shrub Rock Barren communities with gently rolling topography and isolated pockets of dense vegetation that include White Pine (*Pinus strobes*), Common Juniper (*Juniperus communis*), Low-bush Blueberry (*Vaccinium angustifolium*), Meadowsweet (*Spiraea alba*), Common Hairgrass (*Deschampsia flexuosa*) among others.

Interior to the shorelines a mosaic of Dry White Pine –Red Oak – Red Maple forest and treed rock barrens dominate much of the Madawaska Club property. These communities are known to dominate the majority of the south-eastern coast of Georgian Bay these comprise a relatively open canopy ranging from 50 to 75% with White Pine as the dominant and Red Oak (*Quercus rubra*) and Red Maple (*Acer rubrum*) present as associate species. The understory is a combination of approximately 30% shrub cover and 10-20% herbaceous cover. Dominant species in these layers are Common Juniper, Low-bush Blueberry, Wild-lily-of-the-valley (*Maianthemum canadense*), Bracken Fern (*Pteridium aquilinum*) and Common Polypody (*Polypodium virginianum*).

Numerous interior and coastal wetlands support floating and submerged aquatic vegetation and many have boggy shorelines with species typically found in fen communities.

Species rich fens form an important part of the ecosystems present: Cottongrass - Beak-rush/Yellow-eyed Grass Open Fens and Leatherleaf - Chain fern/St. John's-wort Shrub Fens and Black Spruce - Tamarack - Leatherleaf Patterned Fens represent the major types with Mountain Holly and Graminoid Open Poor Fens at much lower representation. There are a few Twig-rush Graminoid Fens.

Meadow marshes are prevalent on the property with Broad-leaved Sedge Organic Meadow Marshes and Narrow-leaved Sedge Organic Meadow Marshes being the most prevalent. Graminoid coastal meadow marshes are well represented on coastal areas.

Floating wetland vegetation is dominated by Water Lily and Bullhead Lily and ranges from no cover to 60% cover in some areas.

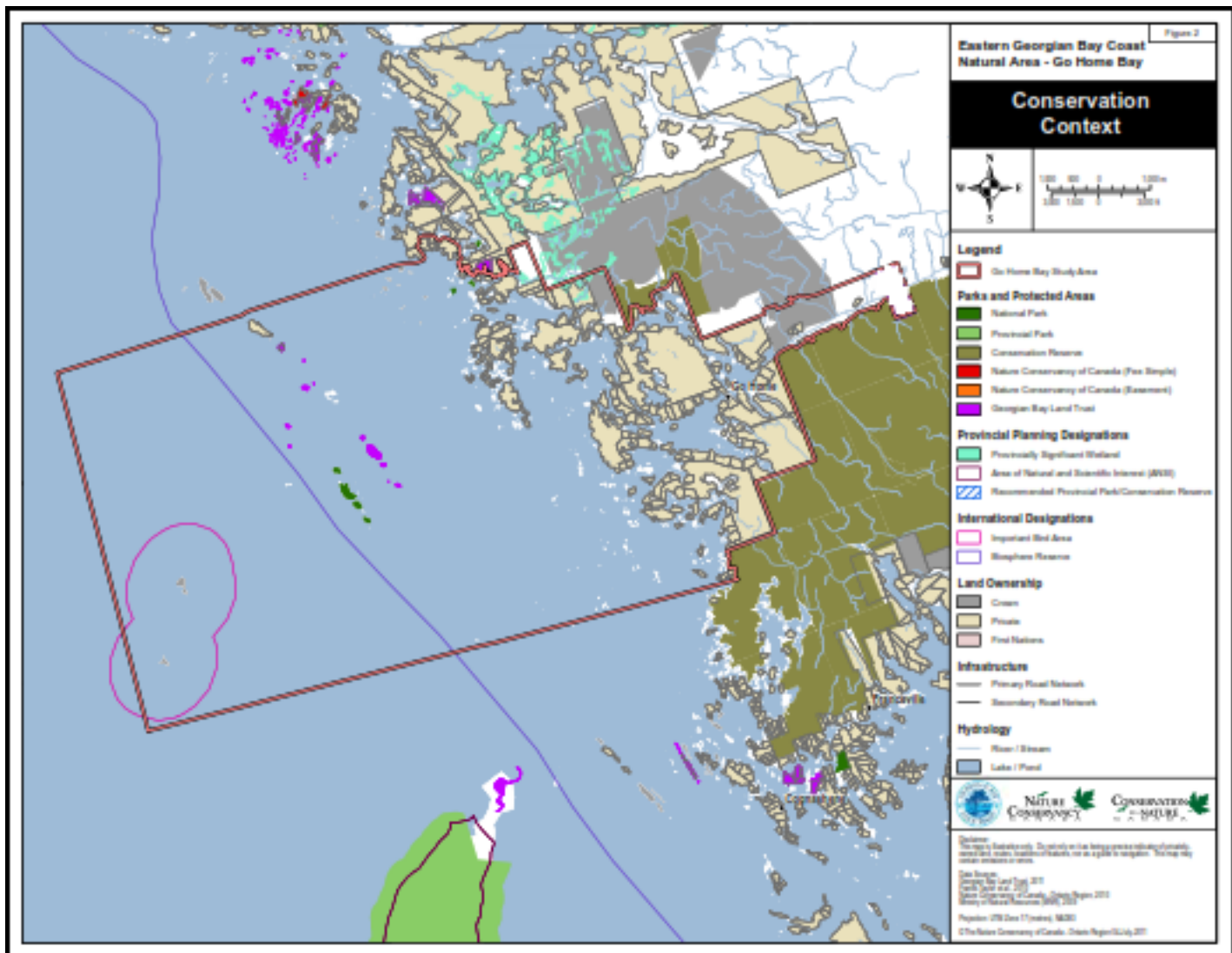
Numerous swamps are present in lowland areas within the interior: Tamarack - Black Spruce Coniferous Organic Swamps, Mountain Holly Organic Thicket Swamps and Winterberry Holly Organic Thicket Swamp cover 4.3, 3.4 and 2.8 % of the Open Lands, respectively. Alder Organic Thicket Swamps are present in some areas.

#### *Conservation Targets*

The major conservation Targets involve the preservation of Island Biodiversity, wetland and forest habitats and the species of conservation concern as described further on in this Baseline Document Report.

#### *Conservation Context*

The conservation context is well described in the map below developed by GBLT and the Nature Conservancy of Canada.



**Table 3: Summary of Vegetation Communities**

### 3.3 Major Ecological Systems

The major ecological systems on these lands are described in the tables below. The rich biodiversity present on these lands results from the diversity of habitats as provided by 26 vegetation communities and by the connected, undisturbed and unfragmented nature of these ecological systems.

<b>Global Habitat Type: Terrestrial &amp; Aquatic</b>	<b>North American Ecological System Types</b>
<b>Inland Rocky Areas</b>	Great Lakes Acidic Rocky Shore  <i><b>RBO</b> Acidic Open and Treed Bedrock predominating shores and dominant in many interior areas</i>
<b>Woodland</b>	Mixed, Coniferous and Deciduous Woodlands



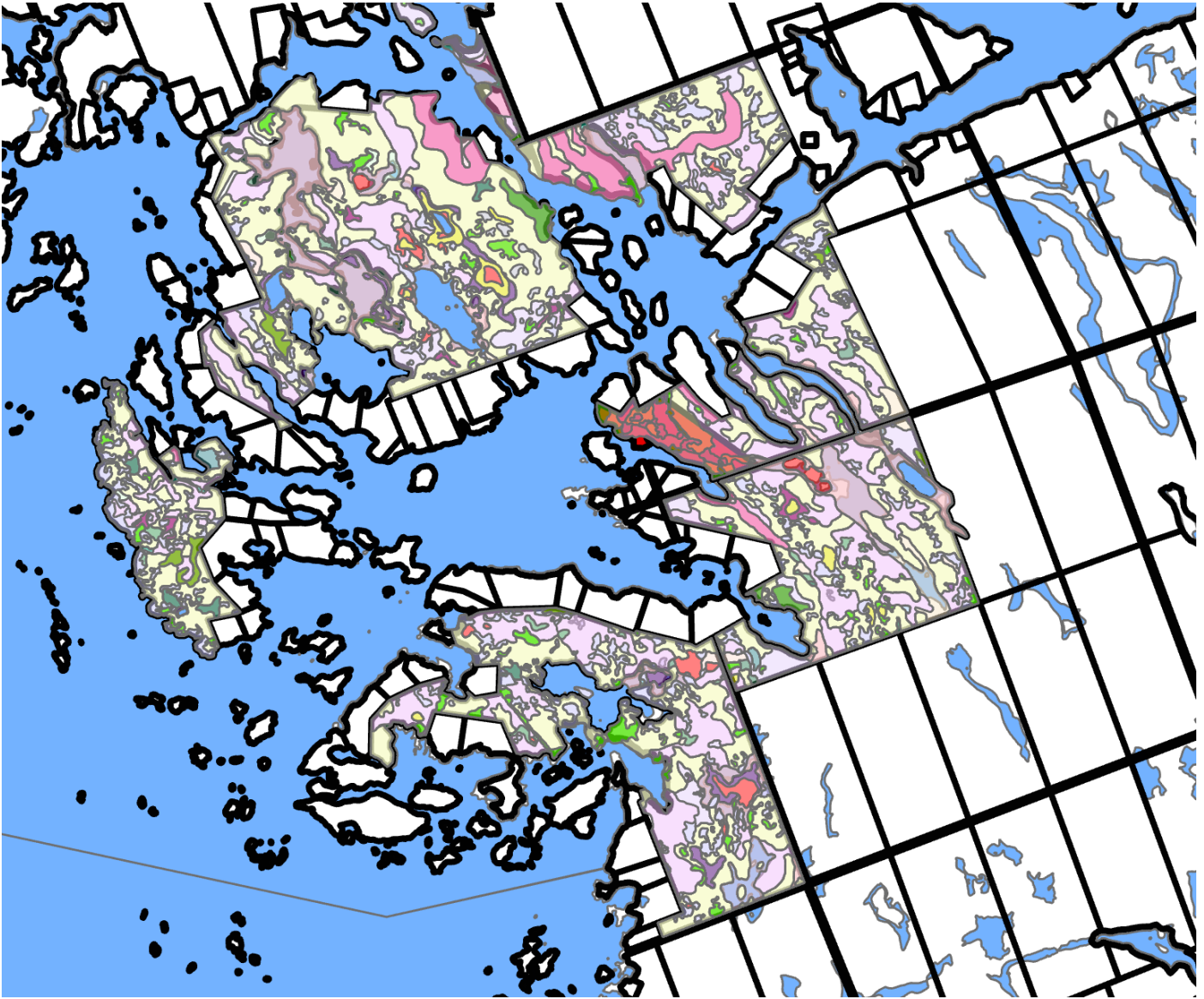
	<p><b>FOM</b> White Pine - Maple - Oak Mixed Forests  <b>FOC</b> White Pine dominant with White Cedar  <b>FOD</b> Red Oak, Red Maple dominant with White Oak, Birch, Striped Maple, Aspen</p>
<b>Wetlands</b>	<p>Great Lakes Coastal Wetland Types</p> <p><b><u>FENS</u></b>  Open, Treed and Shrub Fens dominate many of the inland areas</p> <p><b>FES</b>  <b>FET</b>  <b>FEO</b></p> <p><b><u>BOGS</u></b>  Several open bogs are present</p> <p><b>BOO</b></p> <p><b><u>MARSHES</u></b>  Numerous meadow and shallow marshes are prominent on the landscape.</p> <p><b>MAM</b>  <b>MAS</b></p> <p><b><u>SHALLOW WATER</u></b>  Two aquatic community types are prominent on the landscape.</p> <p><b>SAF</b>  <b>SAM</b></p> <p><b><u>SWAMPS</u></b></p> <p><b>SAF</b>  <b>SAM</b>  <b>SWT</b></p>

### 3.4 Vegetation Communities

The vegetation communities on the Madawaska Club Open Lands have been documented and mapped and these data are presented in the table below and in the accompanying maps that follow. Since the area is extremely large there may be community types that are present but may not have been observed. Accordingly, this table is for general reference to document the major communities present on the landscape and their approximate locations and size. It is also understood that these communities will change naturally over time and may change unnaturally due to climate change effects, invasive species, introduced disease, and other stressors that will undoubtedly occur.

<b>ELC CODE (Southern Ontario Classification System)</b>	<b>Vegetation Community</b>	<b>Area (ha)</b>	<b>Percent Area of Easement Lands</b>
BOO (Open Bog)	Virginia Chain Fern Open Bog Type	0.3	0.06
FEO (Open Fen)	Beaked Sedge Graminoid Fen Type	2.6	0.43
	Cottongrass Beak-rush/Yellow-eyed Grass Open Fen	8.6	1.39
	Poor Graminoid Open Fen Type	1.8	0.29
	Twig-rush Graminoid Fen Type	0.2	0.04
FES (Shrub Fen)	Leatherleaf - Chain fern/St. John's-wort Shrub Fen	10.3	1.67
	Mountain Holly Shrub Fen Type	2.1	0.34
FET (Treed Fen)	Black Spruce Tamarack Leatherleaf Patterned Fen Type	6.0	0.98
FOC (Coniferous Forest)	Dry - Fresh White Cedar Coniferous Forest Type	1.3	0.21
FOD (Deciduous Forest)	Fresh - Moist Oak - Maple Deciduous Forest Type	6.0	0.97
	Dry - Fresh Oak - Red Maple Deciduous Forest Type	26.7	4.34
FOM (Mixed Forest)	Dry - Fresh White Pine - Red Maple Mixed Forest Type	23.3	3.79
	Dry - Fresh White Pine - Oak Mixed Forest Type	134.4	21.82
MAM (Meadow Marsh)	Forb Organic Meadow Marsh Type	3.3	0.54
	Graminoid Coastal Meadow Marsh Type	0.6	0.11
	Broad-leaved Sedge Organic Meadow Marsh Type	7.7	1.25
	Narrow-leaved Sedge Organic Meadow Marsh Type	4.1	0.67
MAS (Shallow Marsh)	Bur-reed Organic Shallow Marsh Type	0.1	0.02
RBO Open Rock Barren)	Dry Granite Barren Type	59.4	9.64
RBS (Shrub Rock Barren)	Common Juniper Granite Shrubland Barren Type	19.3	3.14
RBT (Treed Rock Barren)	Oak - Red Maple - Pine Treed Granite Barren Type	240.2	39.00
SAM (Mixed Shallow Aquatic)	Water Lily - Bullhead Lily Floating- leaved Shallow Aquatic Type	46.9	7.61
SWC (Coniferous Swamp)	Tamarack - Black Spruce Coniferous Organic Swamp Type	4.3	0.69
SWT (Thicket Swamp)	Mountain Holly Organic Thicket Swamp Type	3.4	0.55
	Winterberry Holly Organic Thicket Swamp Type	2.8	0.46
	Alder Organic Thicket Swamp Type	0.1	0.02

### 3.4 Vegetation Communities (Mapping)



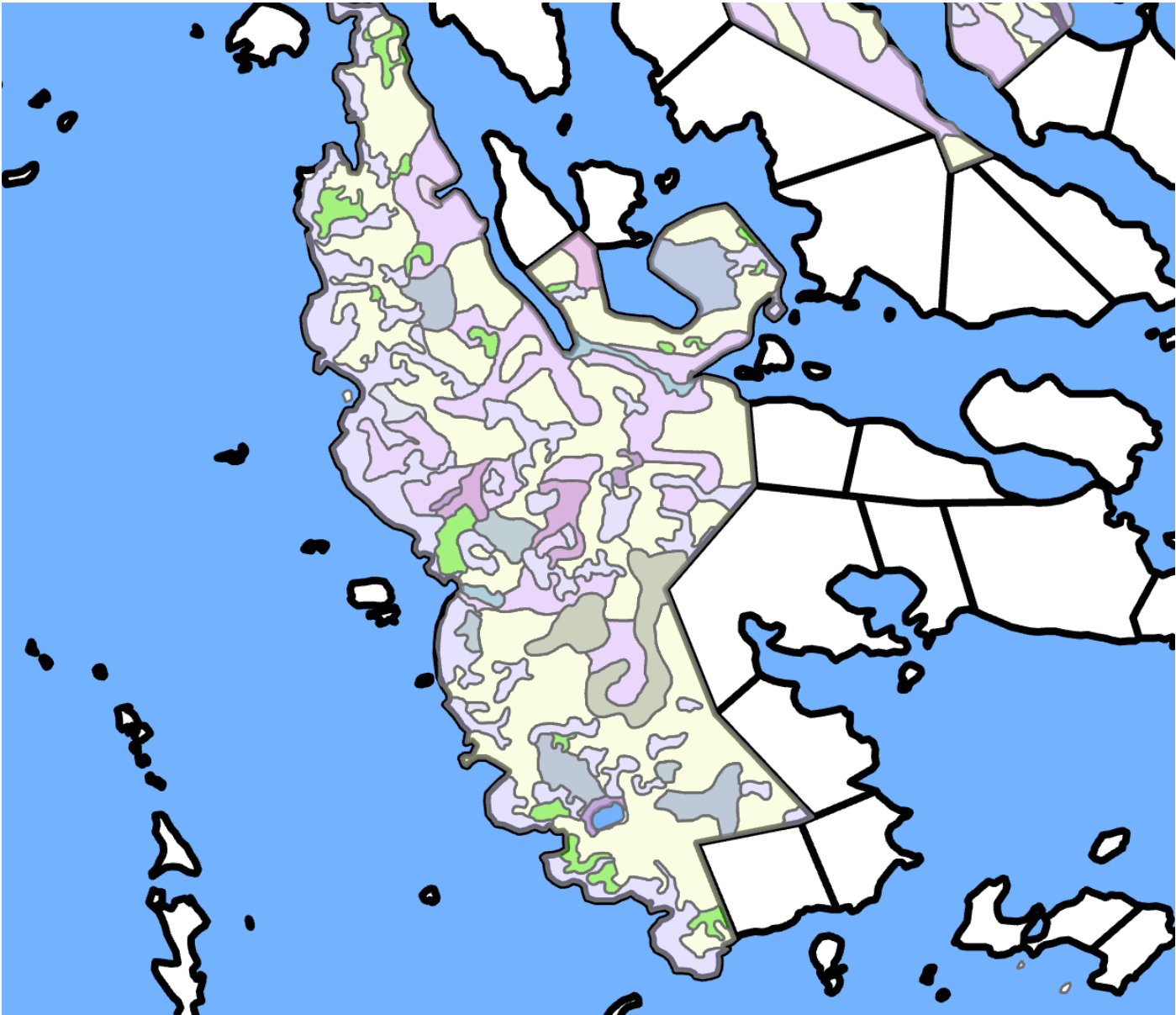
Large Scale Map of ELC Vegetation Community Mapping of Madawaska Club Lands – see legend below.

- ▾  BOO
  - Virginia Chain Fern Open Bog Type
- ▾  FEO
  - ▾  Beaked Sedge Graminoid Fen Type
  - ▾  Cottongrass - Beak-rush/Yellow-eyed Grass Open Fen
  - ▾  Graminoid Open Poor Fen Type
  - ▾  Twig-rush Graminoid Fen Type
- ▾  FES
  - ▾  Leatherleaf - Chain fern/St. John's-wort Shrub Fen
  - ▾  Mountain Holly Shrub Fen Type
  - ▾  Leatherleaf - Forb Shrub Fen
  - ▾  Sweet Gale Shrub Fen Type
- ▾  FET
  - ▾  Black Spruce - Tamarack - Leatherleaf Patterned Fen Type

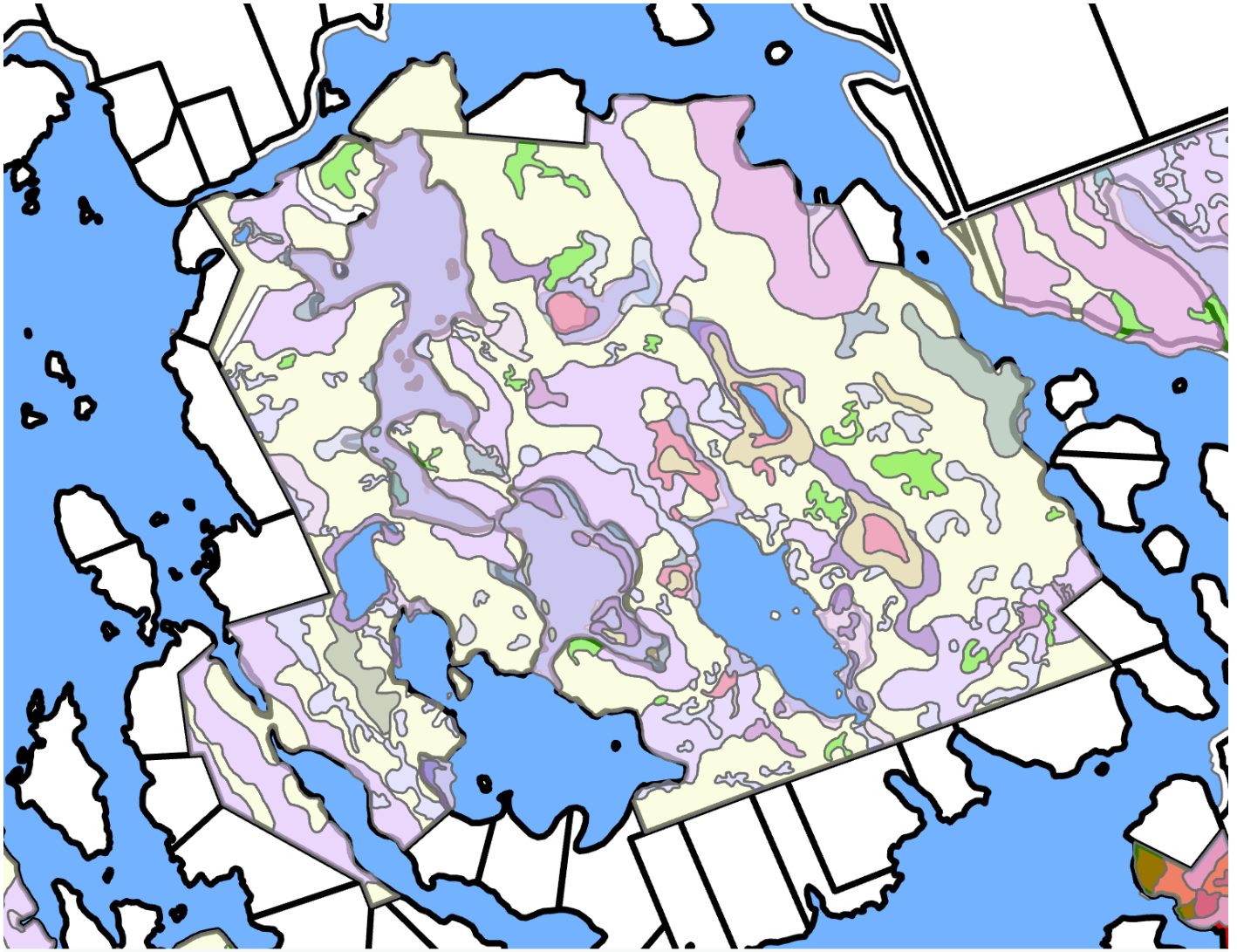
- ▾  Tamarack - White Cedar Treed Fen Type
- ▾  Tamarack Treed Fen Type
- ▾  FOC
  - ▾  Dry - Fresh White Cedar Coniferous Forest Type
- ▾  FOD
  - ▾  Fresh - Moist Oak - Maple Deciduous Forest Type
  - ▾  Dry - Fresh Oak - Red Maple Deciduous Forest Type
- ▾  FOM
  - ▾  Dry - Fresh White Pine - Red Maple Mixed Forest Type
  - ▾  Dry - Fresh White Pine - Oak Mixed Forest Type
- ▾  MAM
  - ▾  Forb Organic Meadow Marsh Type
  - ▾  Graminoid Coastal Meadow Marsh Type

- ▾  Narrow-leaved Sedge Organic Meadow Marsh Type
- ▾  MAS
  - ▾  Bur-reed Organic Shallow Marsh Type
- RBO
- ▾  RBS
  - ▾  Common Juniper Granite Shrubland Barren Type
- ▾  RBT
  - ▾  Oak - Red Maple - Pine Treed Granite Barren Type
- ▾  SAF
  - ▾  Bur-reed Submerged - Floating-leaved Shallow Aquatic Type
- ▾  SAM
  - ▾  Water Lily - Bullhead Lily Floating-leaved Shallow Aquatic Type
- ▾  SWC
  - ▾  Tamarack - Black Spruce Coniferous Organic Swamp Type

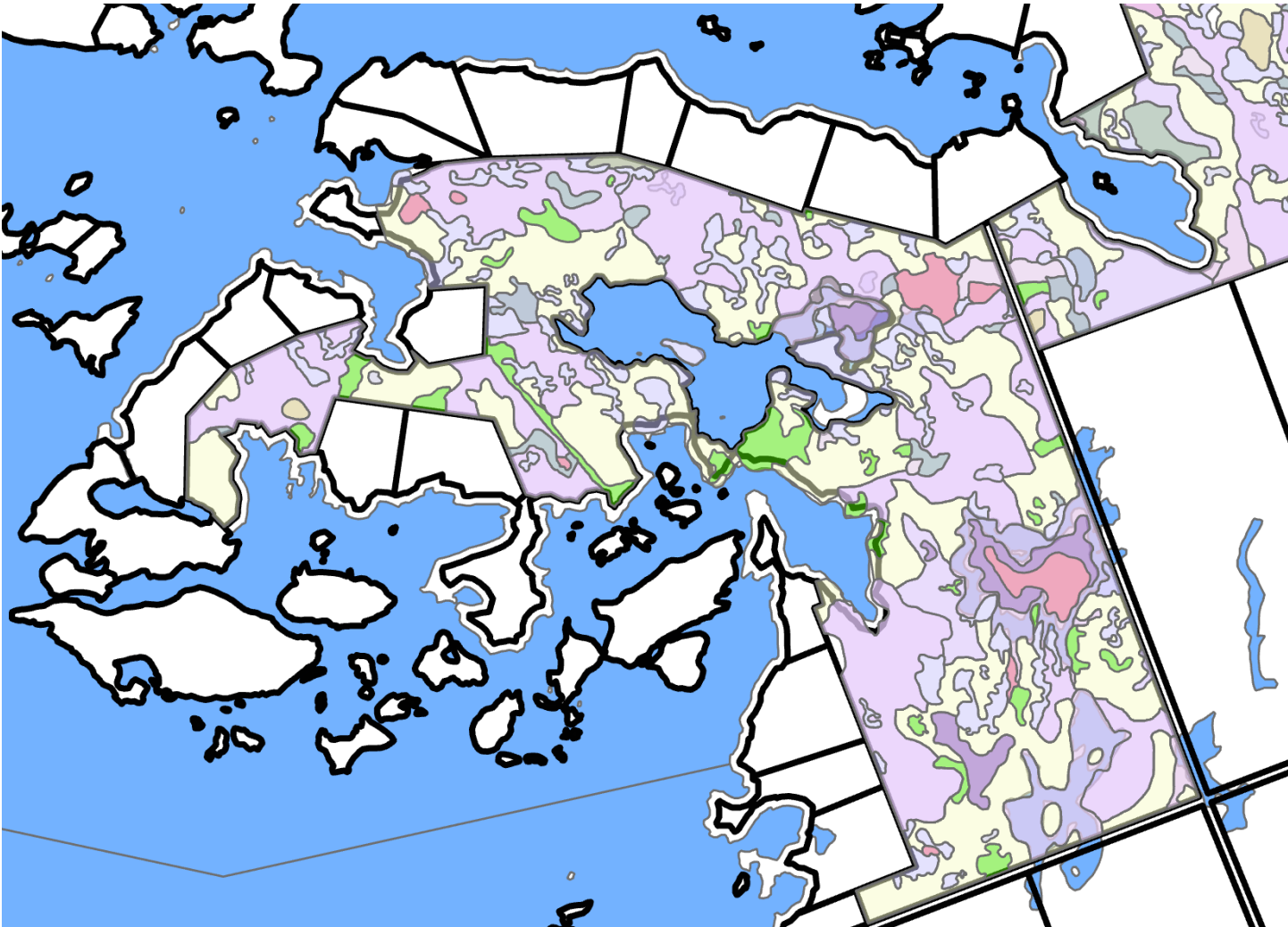
- ▾  SWT
  - ▾  Mountain Holly Organic Thicket Swamp Type
  - ▾  Winterberry Holly Organic Thicket Swamp Type
  - ▾  Alder Organic Thicket Swamp Type



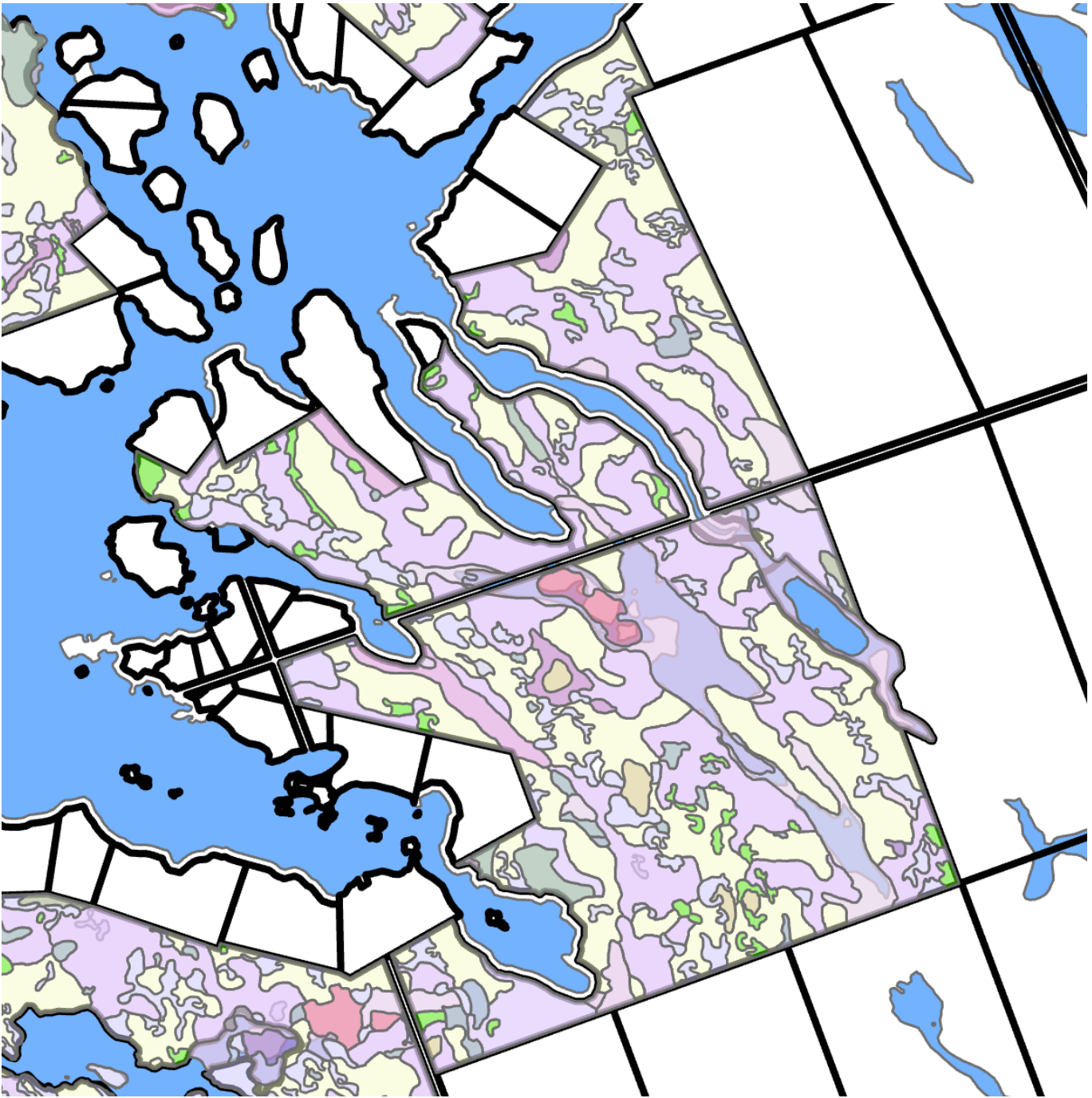
ELC – Long Island Vegetation Communities



ELC Big Island Vegetation Communities

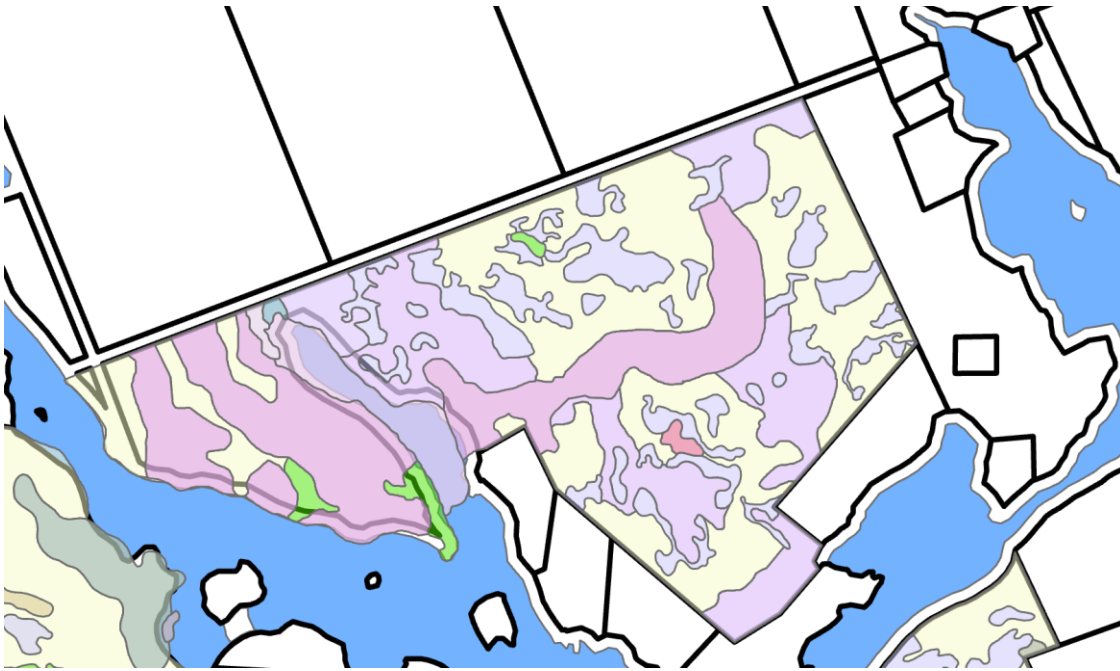


ELC – Lake St. Patrick Area Vegetation Communities

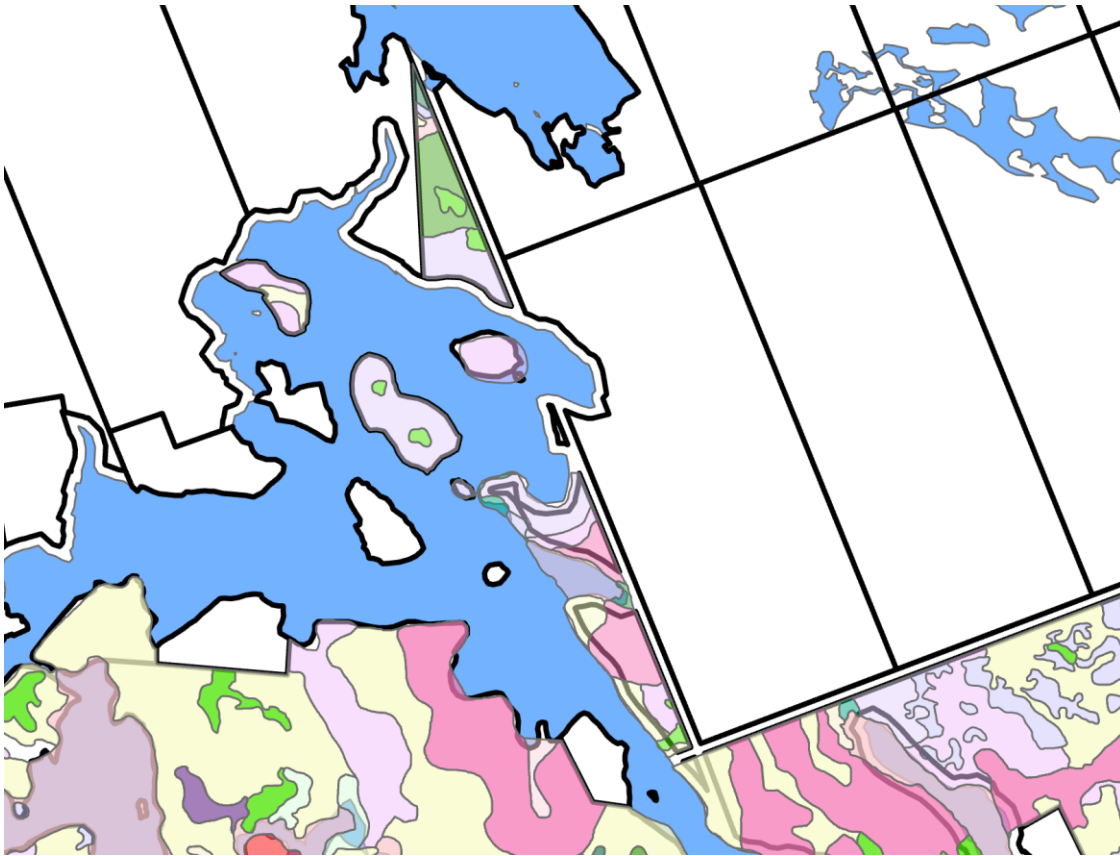


ELC – Riddell's Bay and south of Caretakers – Vegetation Communities





**ELC – Vegetation Communities - East and north of Professor CHC Wright's (now Elgie) property**



**ELC – Pittsburgh and Moreau's Bay Area**

#### 4. Summary of Species/Communities of Conservation Concern

During inventories of the project lands (since 2019) staff GBLT ecologists have identified 22 federally and provincially listed species at risk. On COSEWIC 6 are endangered, 6 are threatened and 10 are special concern. 22 SARO (provincially) listed species were identified of which 4 are endangered, 6 provincially threatened and 10 of special concern.

This conservation project protects lands of high habitat diversity. The Go Home Bay area is identified as a Priority Place for Conservation in two regional/ecodistrict level conservation plans (Great Lakes Conservation Blueprint (GLCB) and NCC - GBLT Eastern Georgian Bay Natural Area Conservation Plan (EGB NACP). In the EGB NACP most of these lands score the highest conservation ranking for Island Biodiversity, Reptiles and Turtles and conservation Action and some areas in the southeastern section score priority 1 for Coastal Forests. The project's lands are ranked in the top 25% category under 3 assessment criteria: High Value Biodiversity, High Value Wetlands, High Value Forests in the Canadian Wildlife Services 2017 Conservation Assessment ""Landscape and Conservation Assessment for the Mixedwood Plains (BCR 13)"".

Repeated surveys over a period of 4 years have identified 26 vegetation communities on this large unfragmented area that contains habitat for over 200 plants, over 100 bird species, 25 herpetofauna, 21 mammals and over 40 insect species. Some of this information is summarized in Table 4 below. Complete flora and fauna observations can be found in the appendices.

**Table 4: Summary of Species/Communities of Conservation Concern and Conservation Targets**

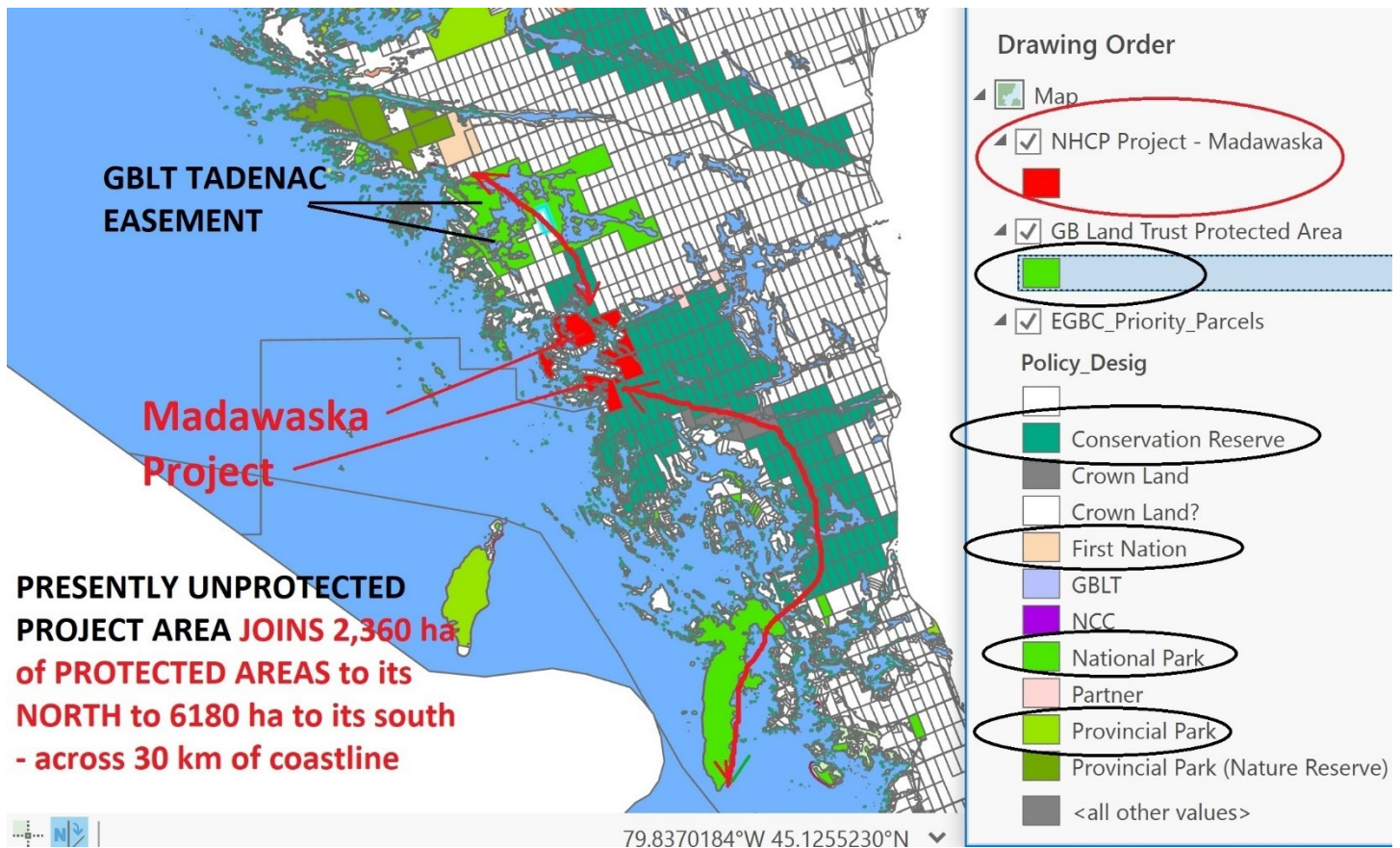
NACP rating/ Species	Habitat	S Rank	G Rank	Notes
Overall Conservation Priority Ranking Based on Ecological Score				All lands scored Priority 1 or 2 in the Eastern Georgian Bay Natural Area Conservation Plan (EGB NACP)
Island Biodiversity				Priority 1 in EGB NACP (see map)
Coastal Forests				Portions are Priority 1 in EGB NACP (see map)
Coastal Wetlands				Many wetlands are Priority 1 in EGB NACP (see map)
Reptiles and Turtles				All lands are denoted Priority 1 in EGB NACP (see map)
Spotted Turtle ( <i>Clemmys guttata</i> )	Endangered species Restricted Information	S3, N3	G5	Repeated observations of this endangered species. Locations are restricted information in accordance with Ontario law.

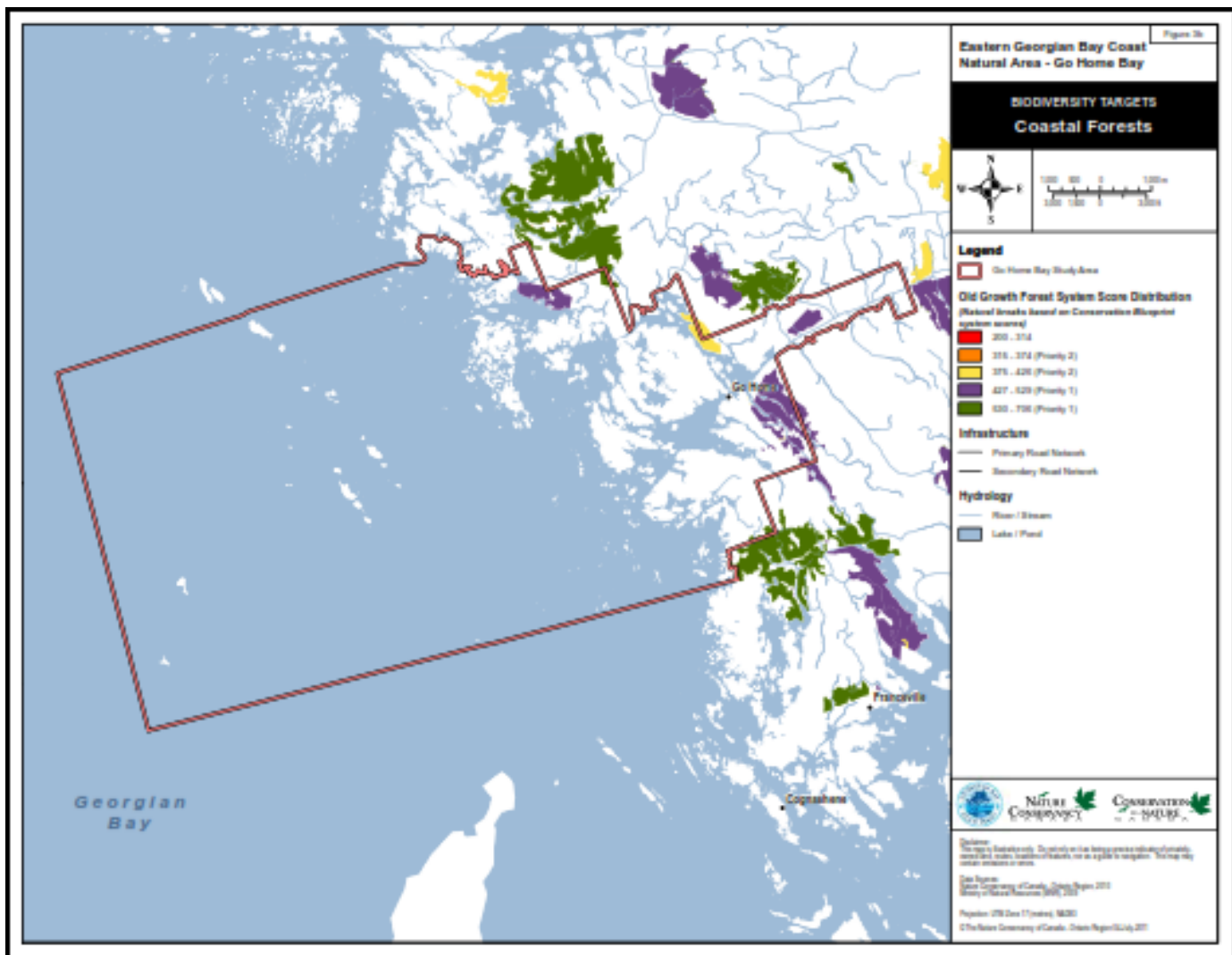
Massasauga ( <i>Sistrurus catenatus</i> )	Treed & shrubbed rock barrens, fens, bogs and forest communities	S3	G3G4 T3Q	Multiple Observations & Habitat supports this species
Northern Map Turtle ( <i>Graptemys geographica</i> )	Islands and coastal wetlands and coastal shorelines	S3	G5	Multiple Observations & Habitat supports this species
Prairie Warbler ( <i>Setophaga discolor</i> )	Areas of island perimeters	S2B	G5	Multiple Observations & Habitat supports this species
Eastern Foxsnake ( <i>Elaphe vulpine gloydi</i> )	Island perimeter rock barrens, coastal wetlands, and forest communities	S3	G3TNR	Multiple Observations & Habitat supports this species
Bald Eagle ( <i>Haliaeetus leucocephalus</i> )	N/A	S2N, S4B	G5	Observed using territory & Habitat supports this species
Eastern Wood-pewee ( <i>Contopus virens</i> )	Island Forests	S4B	G5	Multiple Observations & Habitat supports this species
Midland Painted Turtle ( <i>Chrysemys picta marginata</i> )	SWM, SAF	S4	G5T5	Multiple Observations & Habitat supports this species
Blanding's Turtle ( <i>Emydoidea blandingii</i> )	SWM, SAF Ranging over all habitats	S3	G4TNR	Observed & Habitat supports this species
Eastern hog-nosed snake (Heterodon platirhinos)	RBO/ /FOM/RBT	S3	G5	Observed & Habitat supports this species

Monarch Butterfly ( <i>Danaus plexippus</i> )	Cultural veg. communities and FOM, forest edges	S2N,S4 B	G4	Multiple Observations & Habitat supports this species
Eastern Whip-poor-will (Antrostomus vociferus)	FOM2/FOM3	S4B	G5	Multiple Observations & Habitat supports this species
Common Snapping Turtle ( <i>Chelydra serpentina</i> )	SWM, SAF	S4	G5	Multiple Observations & Habitat supports this species

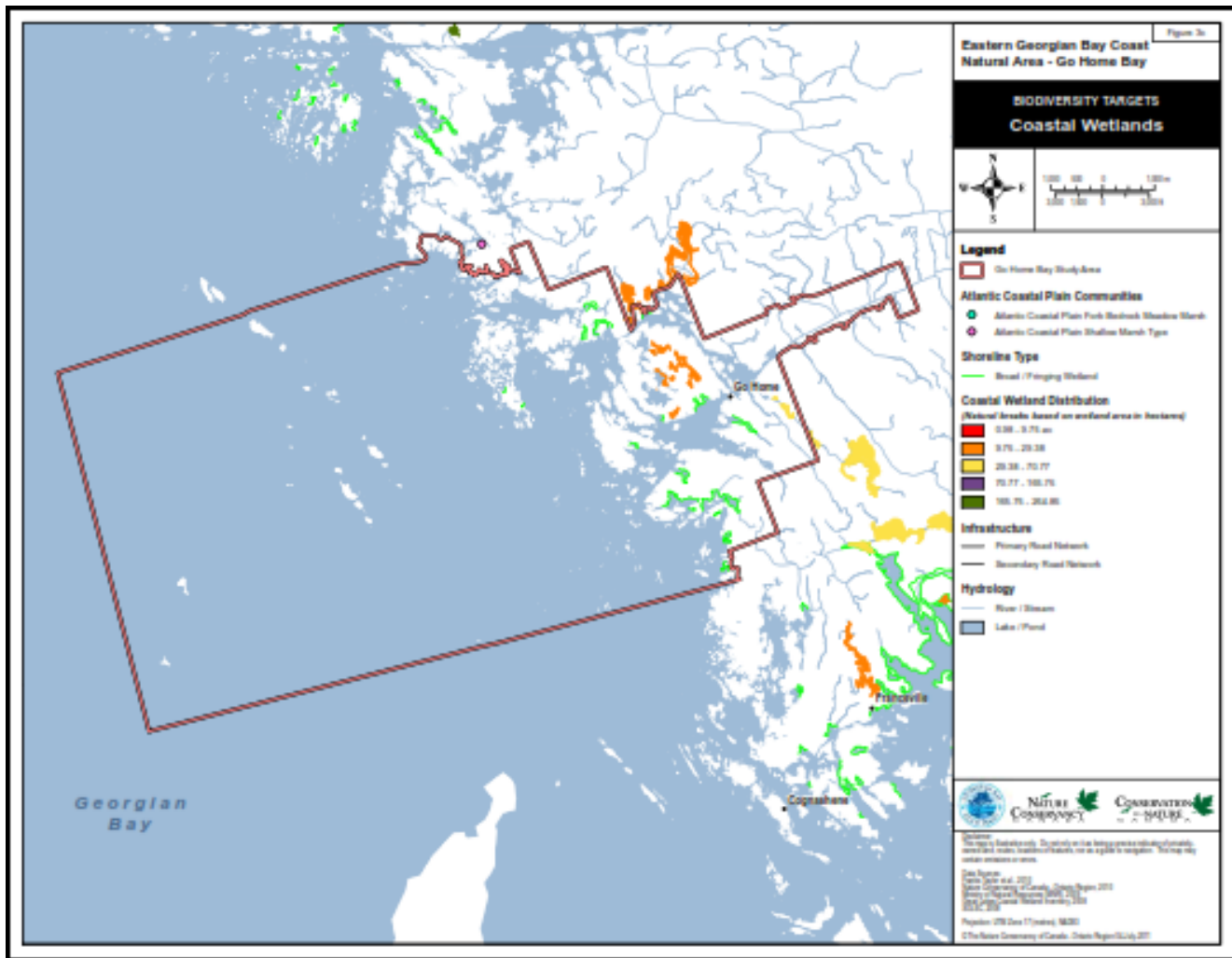
#### 4.1 Conservation Values and Targets – Mapping

The maps below represent part of the dataset within the Eastern Georgian Bay Natural Area Plan (EGB NACP) (2011) authored by the Georgian Bay Land Trust and the Nature Conservancy of Canada. Additional detail is available at GBLT including High Biodiversity Habitat Mapping and Species at Risk Habitat Modelling conducted by GBLT from 2019 through 2023. These substantial lands form a critical connecting corridor and provide resilience against climate change. Maritime corridors are thought to be more temperately stable in the face of a warming climate.

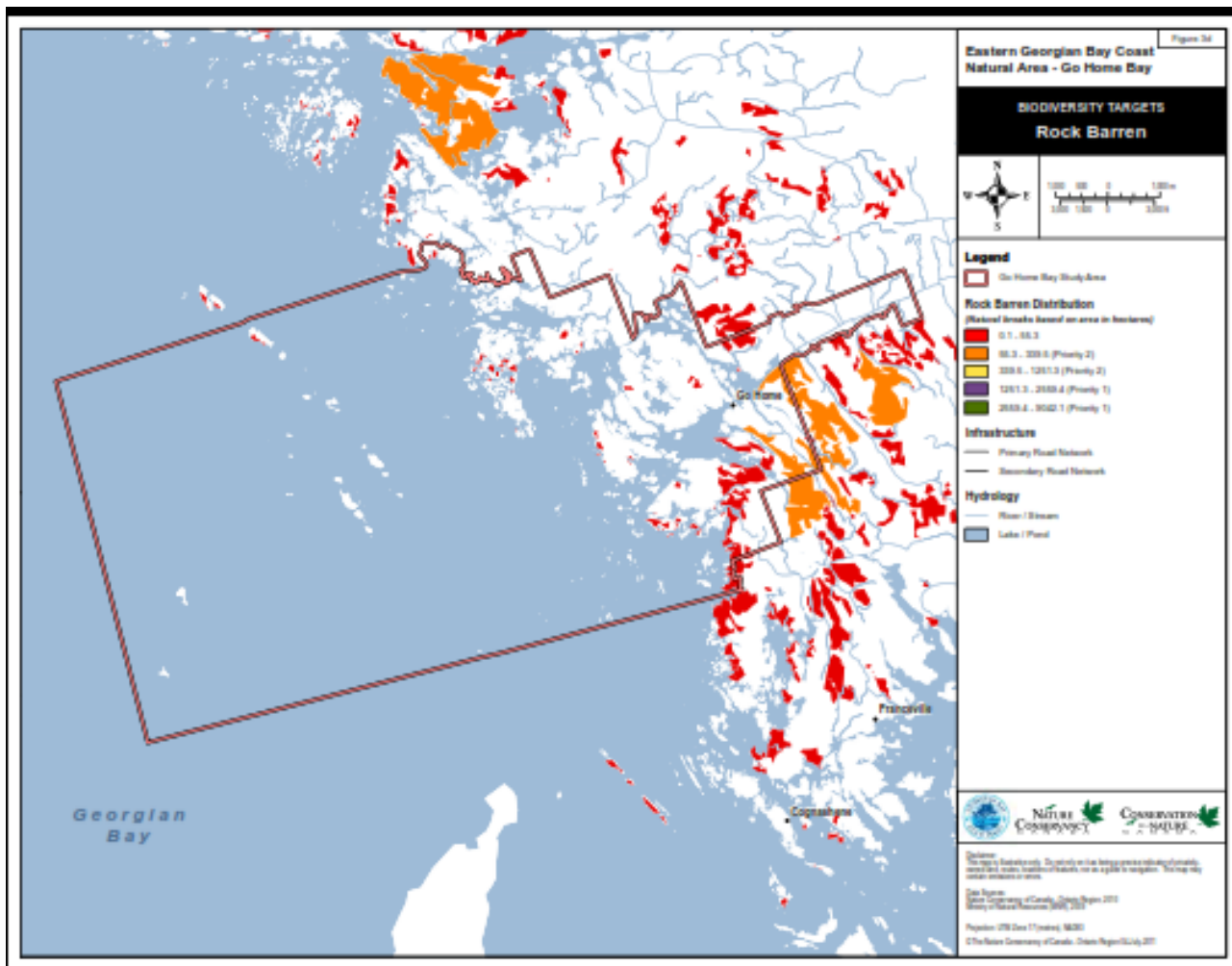




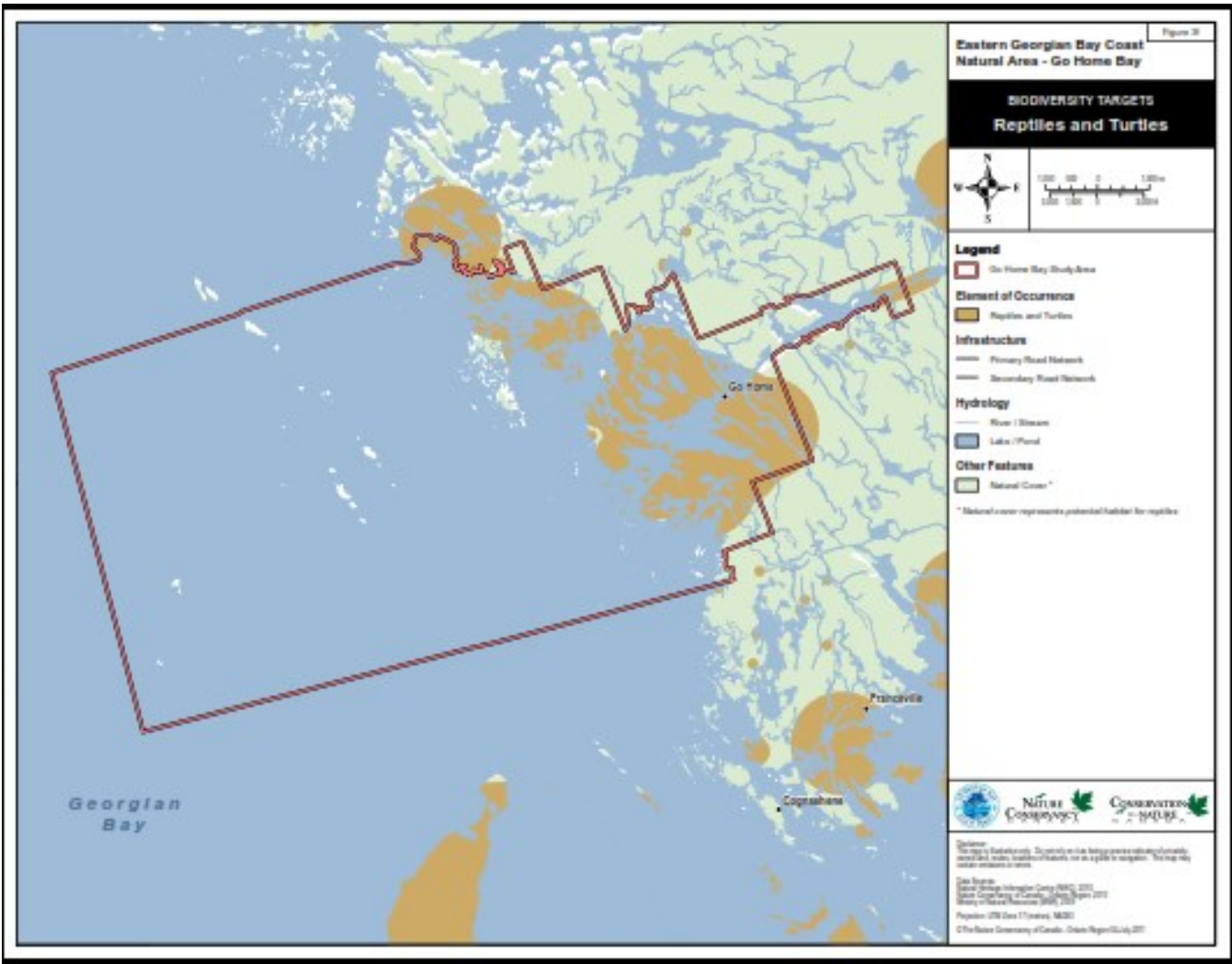
Eastern Georgian Bay Priority Coastal Forests (EGB NACP)



Priority Coastal Wetlands on Madawaska Club lands - EGB NACP

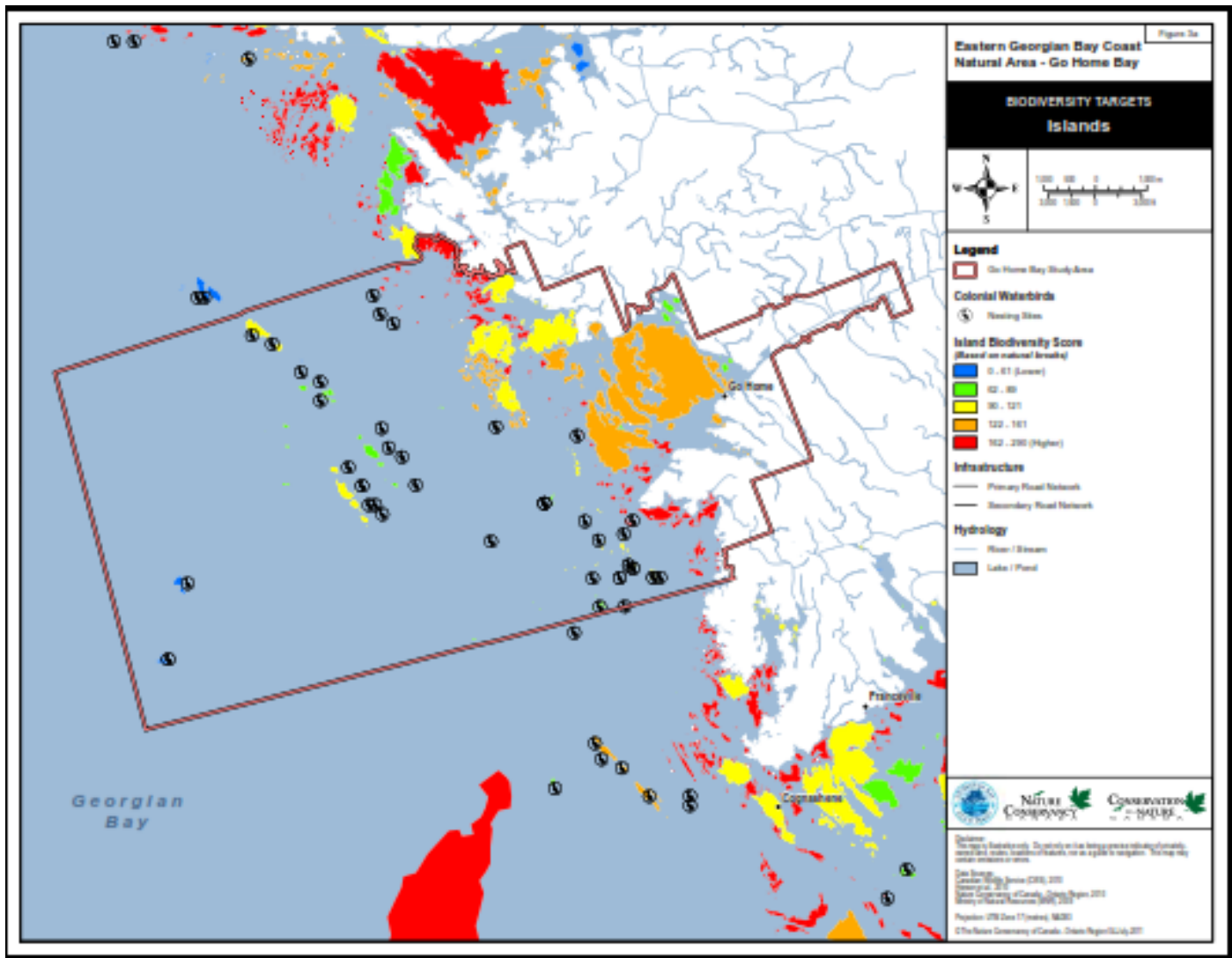


Priority 1 and 2 Biodiversity Targets – Rock Barrens – EGB NACP



Priority 1 Biodiversity Targets – Reptiles and Amphibians EGB NACP





Priority 1,2 Biodiversity Targets – Islands - EGB NACP

### 3.4 Condition

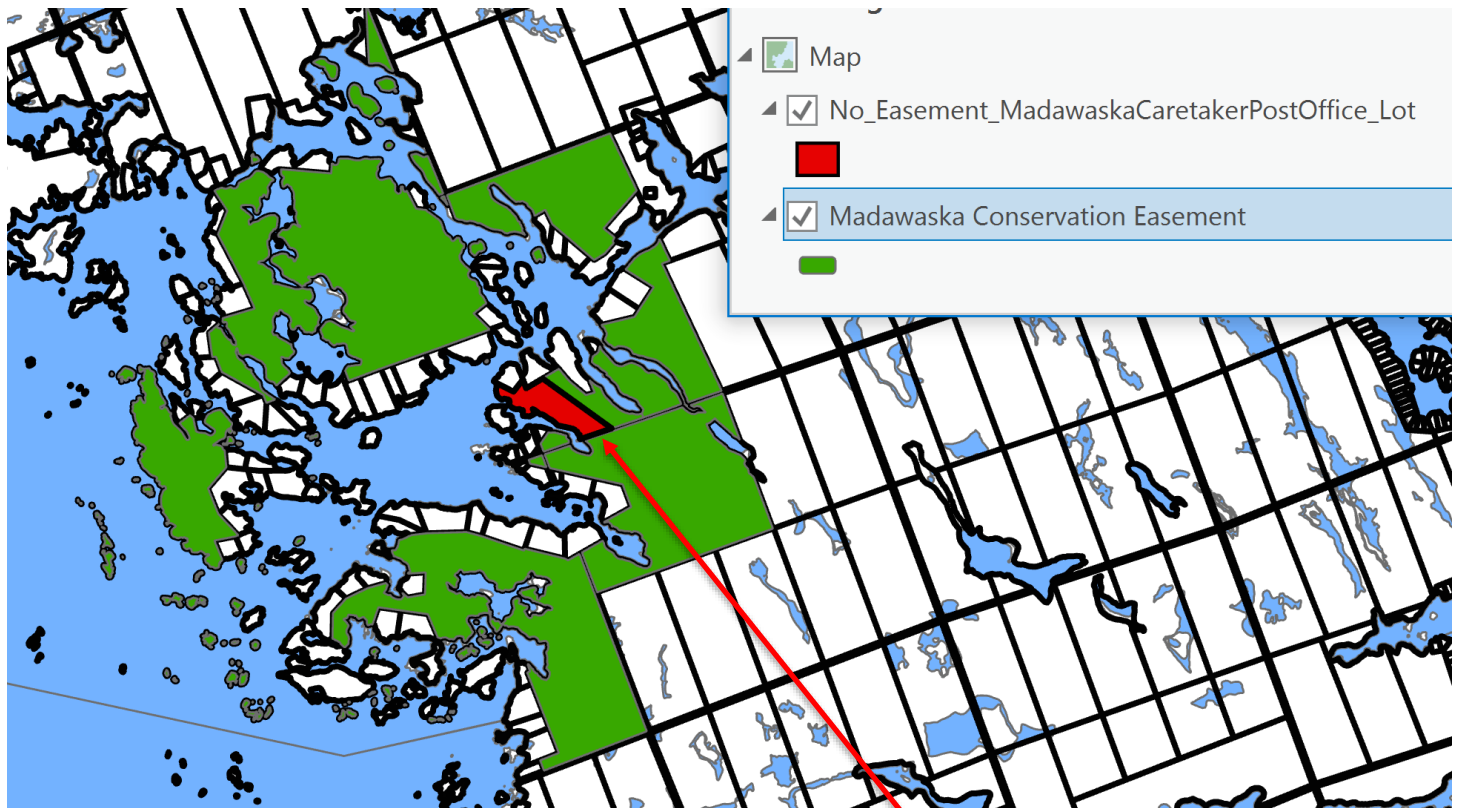
The property appears to have high ecological integrity. There is no evidence of human disturbance with the only exception being hydro service cut right of ways and a small Bell Canada Telephone Service hut on Big Island.

### 3.5 Landscape Context

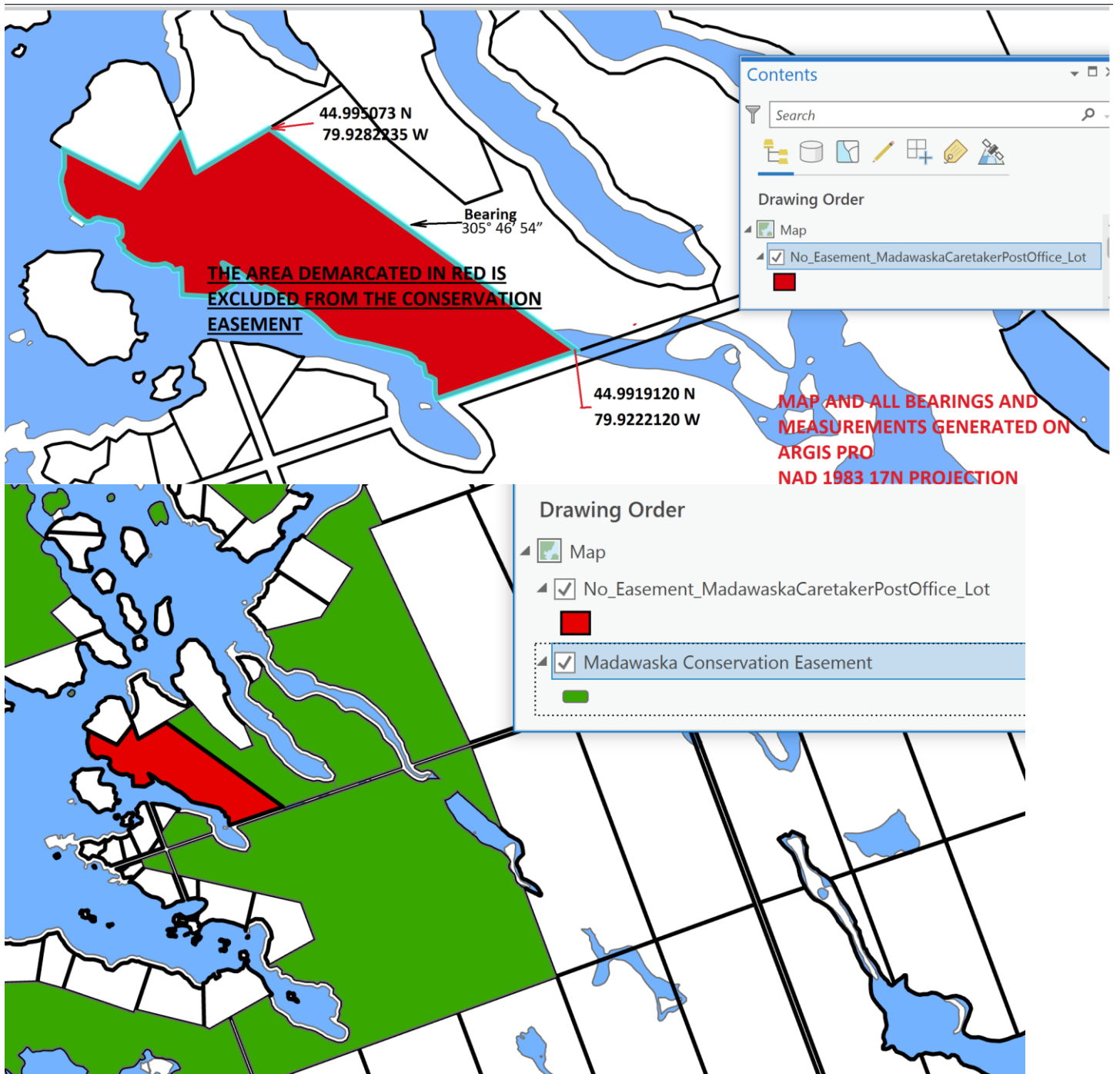
## 4. BOUNDARY MAPS FOR THE CONSERVATION EASEMENT

The Conservation Easement is being placed only on those parcels that are described in the Conservation Agreement (CA). The Conservation Easement is being registered on the entirety of all parcels as described in CA with the exception of the Main Dock to Caretaker parcel. On that parcel the CA limitations/restrictions shall not apply to the eastern portion of that lot as specifically delineated in the maps below for that parcel. The Main Dock to Caretaker parcel may be later severed and the Excluded Area may become a separate Parcel and be released at that time from any reference in Conservation Agreement.

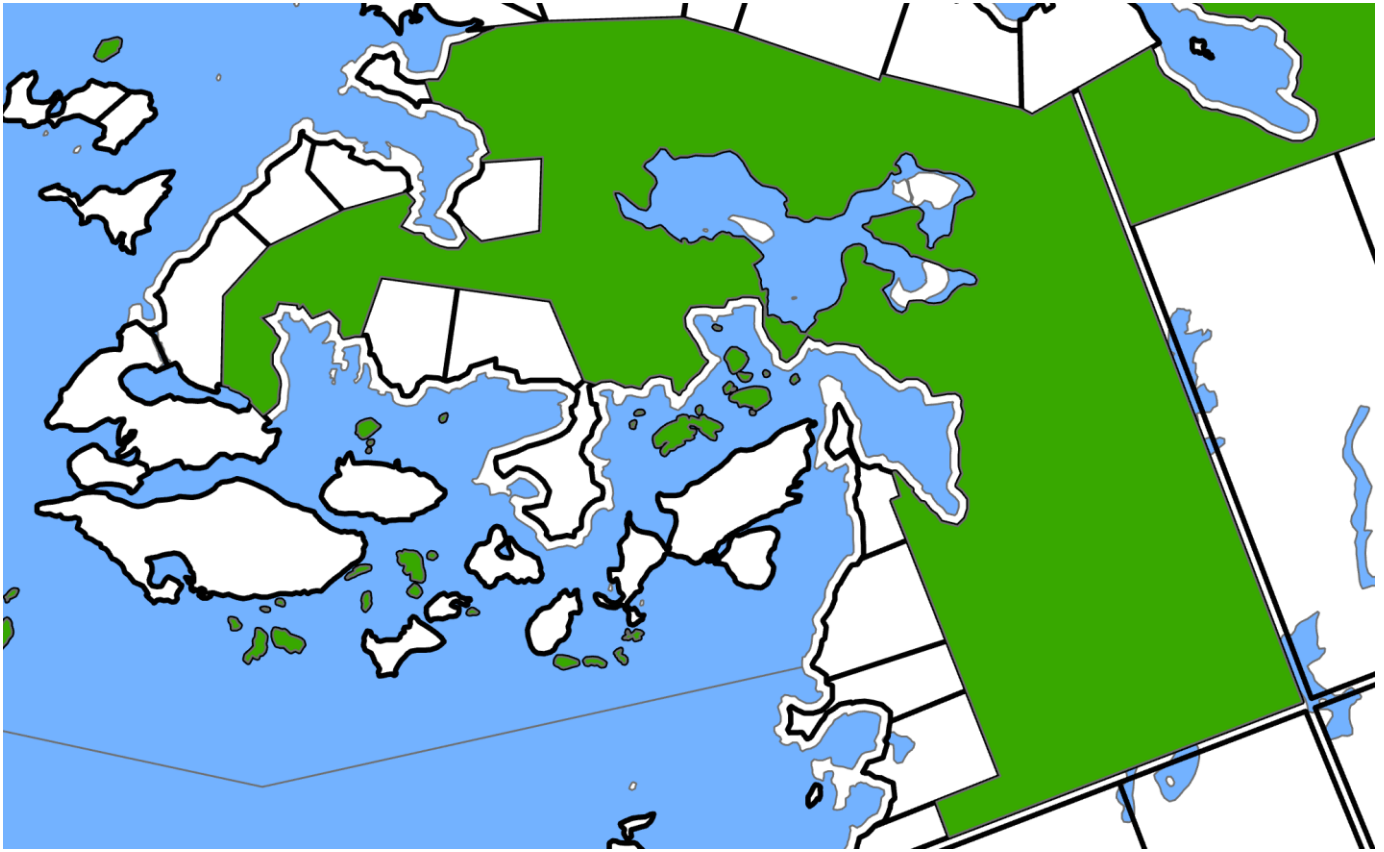
The areas in green on the maps below designate areas where the CA constrains or restricts some activities in order to preserve Natural Heritage Values. For the area denoted in red in the maps below, the CA shall not restrict any of the uses, rights, privileges or activities of the landowner whatsoever.



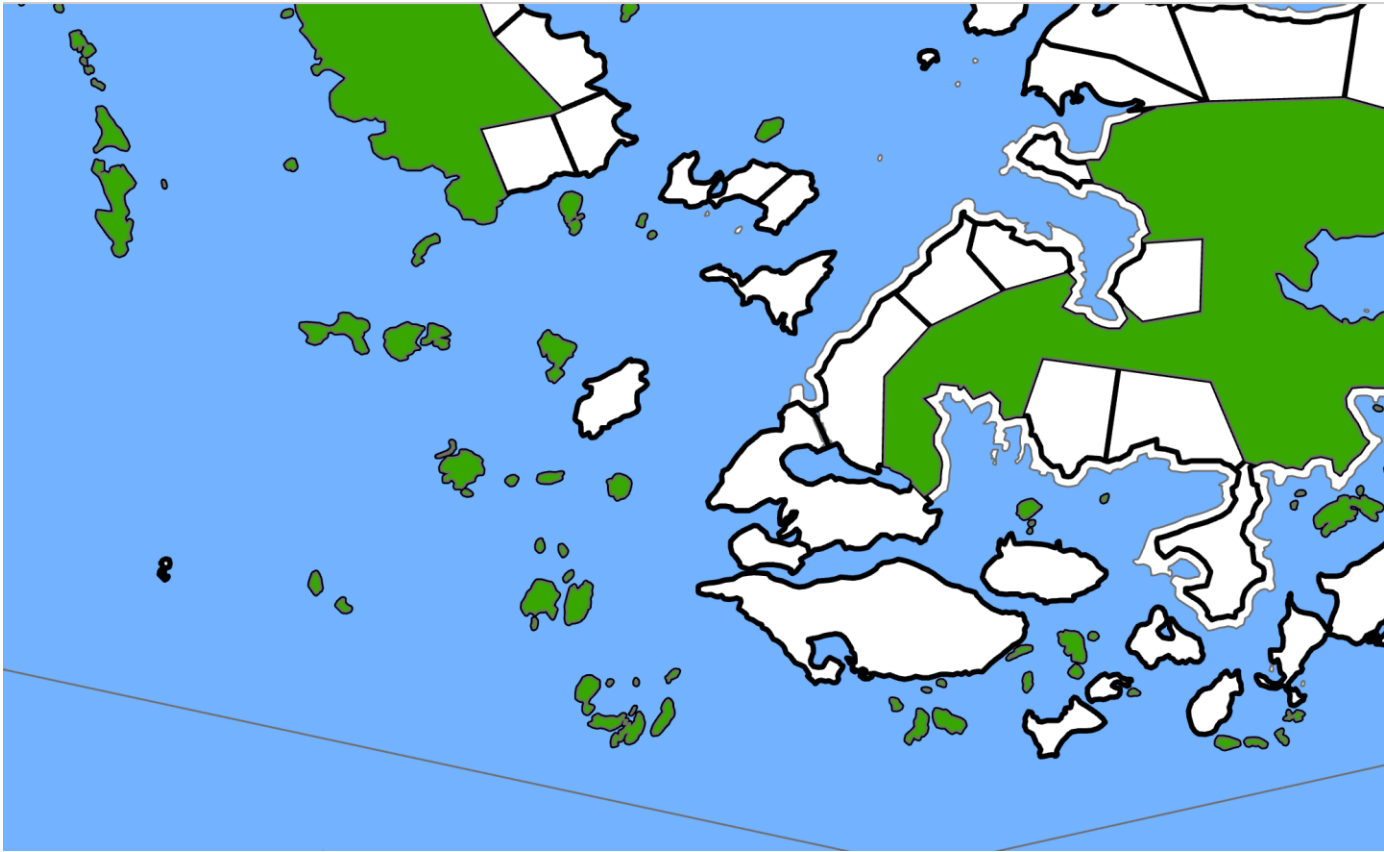
Areas Protected by Conservation Easement are in GREEN  
Excluded Area where all landowner rights remain unrestricted is in RED as per arrow



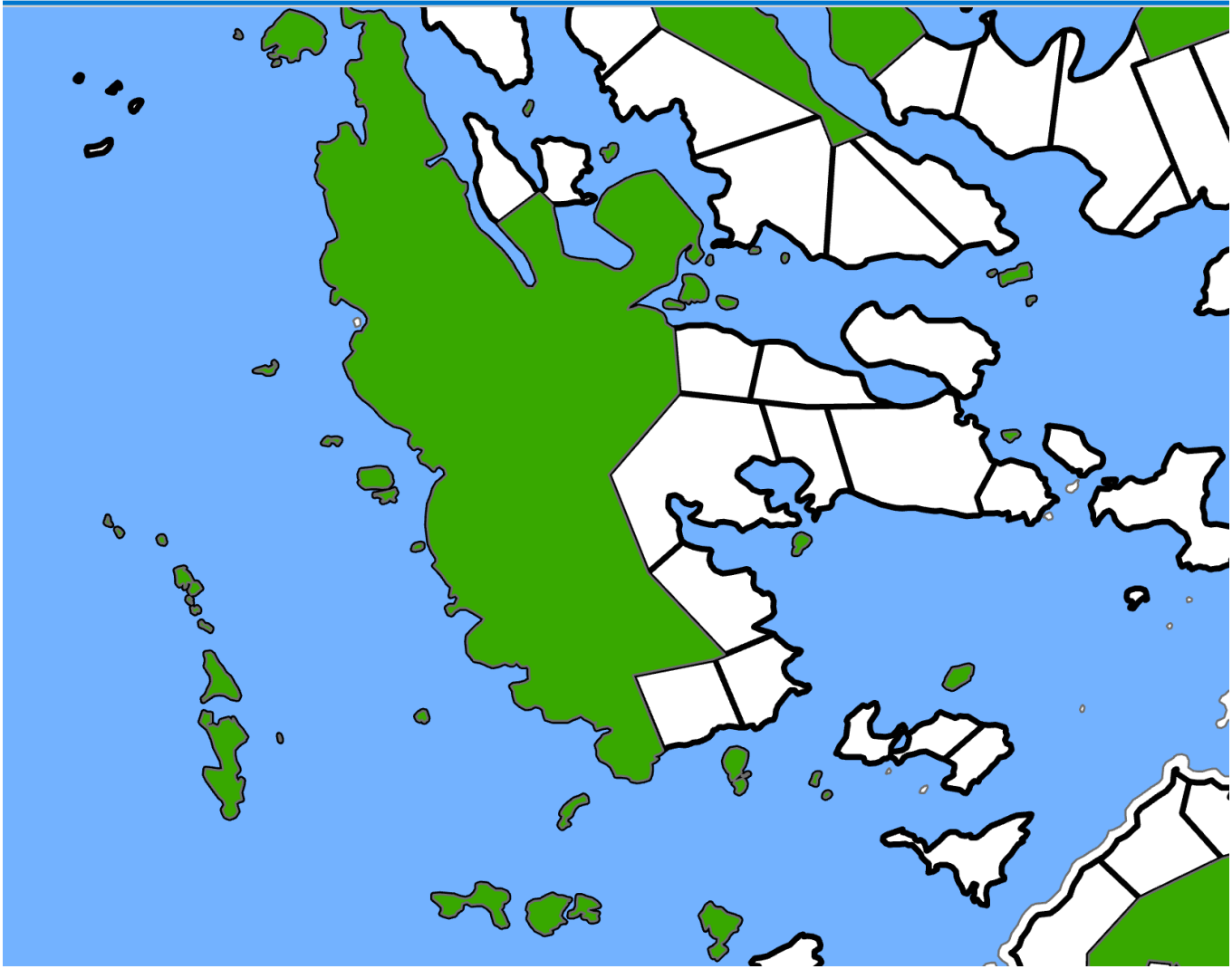
Close-up showing area in red not restricted by Conservation Easement



Conservation Easement areas – Lake St. Patrick area



Easement Lands (GREEN) – southwest area of Go Home including islands



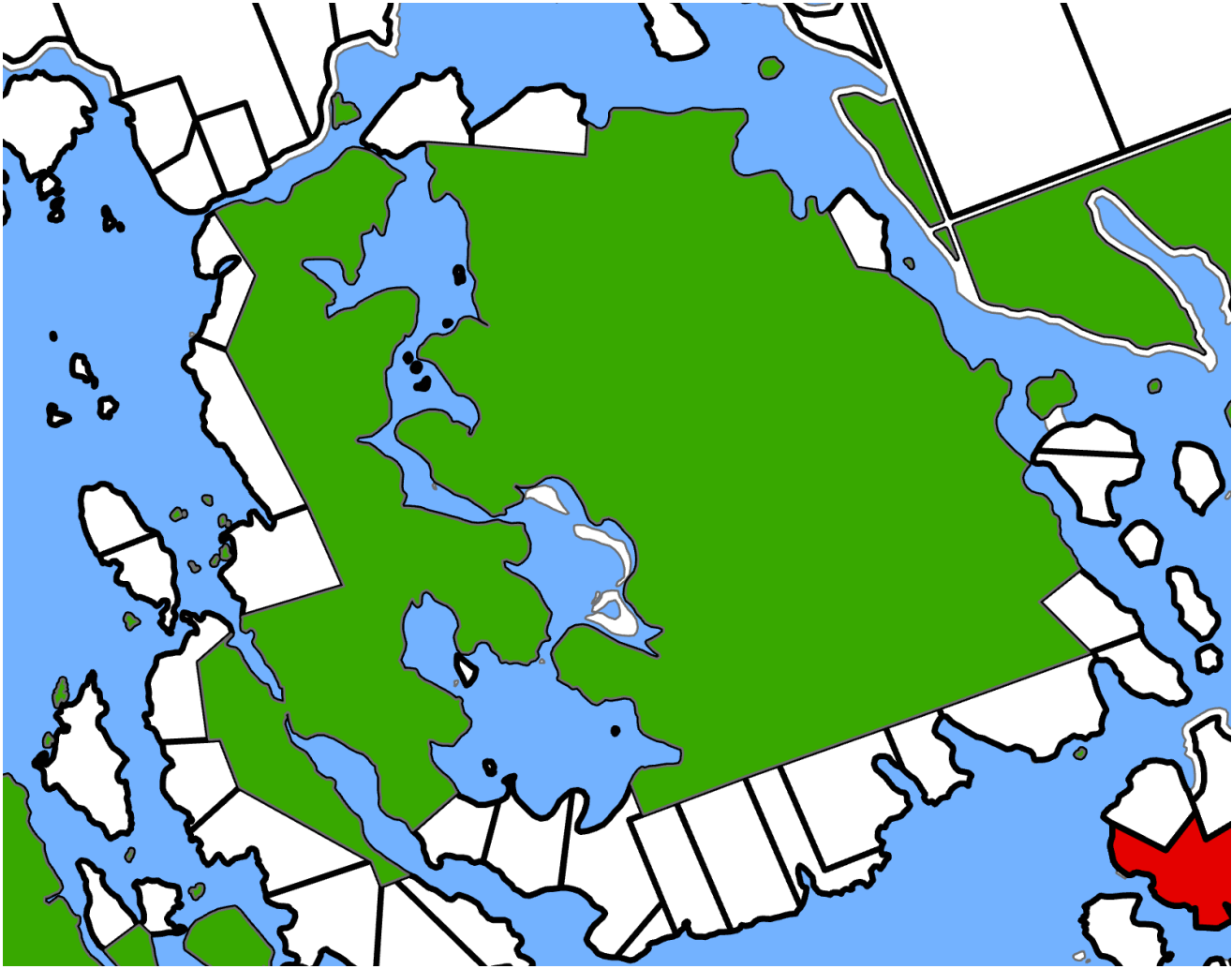
Easement Lands (GREEN) – south part of Long Island and outer islands



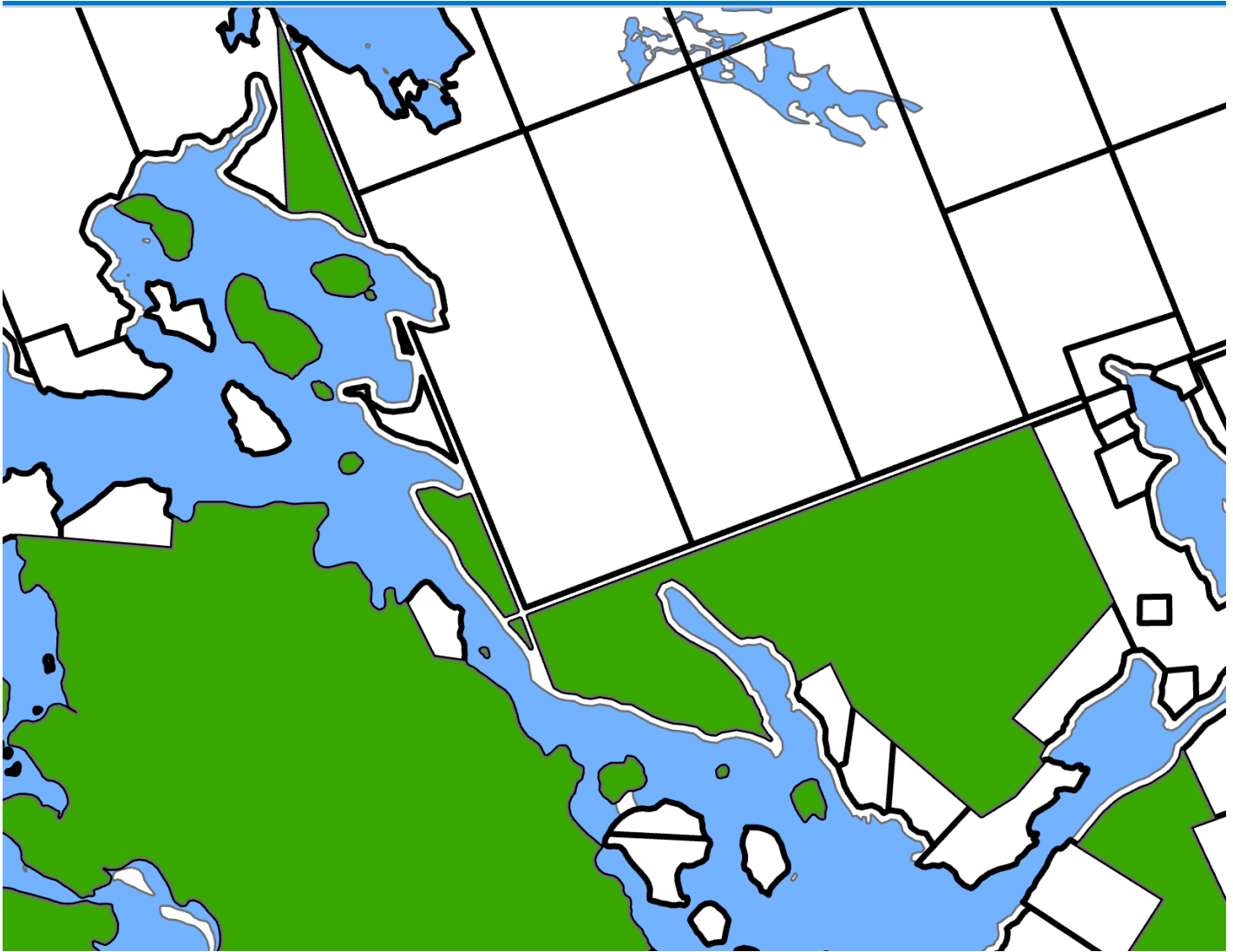
Easement Land (GREEN) – North end of Long Island and nearby islands



Easement Lands (GREEN) – south part of Big Island



Easement Lands (GREEN) – Big Island



Easement Lands (GREEN) - Pittsburgh Channel



## 5 LAND USE

### 5.1 Historical and Current Land Use

The Subject Property contains a mix of forests, rock barrens, coastal and upland wetlands and swamps. There is no evidence of any structures on the property except for a Bell Telephone hut, so protection of these lands is consistent with the landowner's consistent and good stewardship of the natural heritage values since 1898.

There are existing trails on the property and multiple evidence of game trails.

**Table 5: Summary of Historical and Permitted Land Use**

Use	Historical	Existing	Permitted?	Description/ Evidence/Notes
<b>All Uses detailed in the Conservation Agreement</b>	Not applicable	Not applicable	<b>All Permitted Uses detailed in the Conservation Agreement are Allowed</b>	
<b>Commercial Activities</b>				
Timber Harvest	Y	N	N (excepting any retained right of Ontario to White Pine Harvesting on private lands)	
Energy Transmission and Communications Corridors, telephone lines. Bell Canada and Hydro 1 have registered easements on parts of these lands (refer to land titles)	Y	Y	Y Pursuant to such utility easements, rights of way, leases, licences and other similar agreements, the Property Owner shall be entitled to permit such utilities or their authorized persons all reasonable access to the Open Lands to	

			enable such utilities to maintain their power and utility lines, towers or other similar structures so as to be able to continue to provide their services pursuant to the rights granted to them.	
<b>Land and Resource Management Activities</b>				
Fire Suppression	Y	Y	Y	
Managed Forest and Managed Forest Plan Activities allowing forest harvesting according to good management practices	Y	Y	Y Cutting of dead or dying trees or clearing of trails is additionally permitted	
Insect/disease Suppression	Not known	Not known	Y (with adherence to MNRF protocols)	
Wildlife Population Management	N	N	N	
<b>Recreational Activities</b>				
Science, Education and Heritage Appreciation	Y	Y	Y	
Nature Appreciation	Y	Y	Y	
Photography and Painting	Y	Y	Y	
Wildlife Viewing	Y	Y	Y	
<b>Recreation</b>				

<b>Activities and Facilities</b>				
Camping	Y	Y	Y	
Hunting according to provincial and federal regulations	Y	Y	Y	
Hiking/Cross-Country Skiing	Y	Y	Y	
Snowmobiling	Y	Y	Y	
Sport Fishing	Y	Y	Y	
Trail Development	Y	Y	Y	
Trapping	Y	N	N (unless expressly approved on a case-by-case basis by the provincial ministry)	
Kayaking	Y	Y	Y	
Other			Y All other anticipated or unanticipated permissible uses as described by the Conservation Agreement	

#### **4.2 List of Existing Improvements and Disturbances**

There are hydro service corridors on the property and a Bell Service hut on Big Island.



44.99484

-79.948871

Clear

Bell Service Hut Located at the Long. Lat. Co-ordinates above (Muskoka GeoHub, Esri Platform)



Existing Hydro Corridors – Big Island (ArcGIS Shapefiles with longitude/latitude vertices transmitted to both Parties and stored in GBLT. Database Projection: NAD 1983 17N)



Existing Hydro Corridors – Caretaker Site (ArcGIS Shapefiles with longitude/latitude vertices transmitted to both Parties and stored in GBLT. Database Projection: NAD 1983 17N)



Existing Hydro Corridors – Lake St. Patrick Area (ArcGIS Shapefiles with longitude/latitude vertices)

transmitted to both Parties and stored in GBLT. Database Projection: NAD 1983 17N)

#### **4.3 Condition of Boundaries**

Boundaries consist of lot lines. These lands were surveyed originally by Singh in the early 1900's and later by 'Dale in 1975 and resurveyed by Redmond & Associates post 2000. The Benchmarks and Survey Pins, where observed, were in good condition. Complete Reference Plans are available in the Land Registry Office.

#### **4.4 Adjacent Land Use**

The adjacent land uses are for residential seasonal dwellings.

### **5 References**

- Catling, P.M. and Brownell, V.R., 1999. 24 The Flora and Ecology of Southern Ontario Granite Barrens. *Savannas, barrens, and rock outcrop plant communities of North America*, p.392.
- Chapman, L.J. and D.F Putnam. 1984.  
The Physiography of Southern Ontario - Third Edition. Ontario Geological Survey, Special Volume 2.
- Lee, H.T., W.D. Bakowsky, J. Riley, J. Bowles, M. Puddister, P. Uhlig and S. McMurray. 1998. Ecological land classification for Southwestern Ontario: first approximation and its application. Ontario Ministry of Natural Resources, South Central Region, Science Development and Transfer Branch

## **Appendix 1**

### **Madawaska Inventoried Species Lists**

BIG ISLAND SPECIES INVENTORY

Common Name	Scientific Name	Designation	Observation Years	Species ID	iNat observation #
Interrupted Clubmoss	<i>Spinulum annotinum</i>	S5	2023	2000	
Fan Clubmoss	<i>Diphasiastrum digitatum</i>	S5	2023	2010	
Flat-branched Tree-clubmoss	<i>Dendrolycopodium obscurum</i>	S4	2023	2018	
Cinnamon Fern	<i>Osmundastrum cinnamomeum</i>	S5	2022, 2023	6000	
Royal Fern	<i>Osmunda spectabilis</i>	S5	2022, 2023	6006	
Bracken Fern	<i>Pteridium aquilinum</i>	S5	2022, 2023	9102	
Northeastern Lady Fern	<i>Athyrium filix-femina angustum</i>	S5	2022, 2023	9302	
Spinulose Wood Fern	<i>Dryopteris carthusiana</i>	S5	2022, 2023	9320	
Intermediate Wood Fern	<i>Dryopteris intermedia</i>	S5	2023	9334	172504843
Marginal Wood Fern	<i>Dryopteris marginalis</i>	S5	2022, 2023	9336	
Sensitive Fern	<i>Onoclea sensibilis</i>	S5	2022, 2023	9370	
Marsh Fern	<i>Thelypteris palustris</i>	S5	2022	9406	150491051*
Virginia Chain Fern	<i>Anchistea virginica</i>	S4	2022, 2023	9500	
Rock Polypody	<i>Polypodium virginianum</i>	S5	2022, 2023	9704	
Tamarack	<i>Larix laricina</i>	S5	2022, 2023	13004	
Black Spruce	<i>Picea mariana</i>	S5	2022, 2023	13010	
White Pine	<i>Pinus strobus</i>	S5	2022, 2023	13024	
Eastern Hemlock	<i>Tsuga canadensis</i>	S5	2022, 2023	13032	
Common Juniper	<i>Juniperus communis</i>	S5	2022, 2023	13500	
Eastern Red Cedar	<i>Juniperus virginiana</i>	S5	2023	13506	
White Cedar	<i>Thuja occidentalis</i>	S5	2017, 2023	13508	152776078
Broad-leaved Cattail	<i>Typha latifolia</i>	S5	2023	14002	
Broad-leaved Arrowhead	<i>Sagittaria latifolia</i>	S5	2022, 2023	19018	
Long-awned Wood Grass	<i>Brachyelytrum erectum</i>	S4	2022	22084	
Northern Shorthusk	<i>Brachyelytrum aristosum</i>	S5	2023	22086	
Poverty Oat Grass	<i>Danthonia spicata</i>	S5	2023	22182	
Wavy Hair Grass	<i>Avenella flexuosa</i>	S5	2023	22190	
Slender Dichanthelium	<i>Dichanthelium xanthophyllum</i>	S4	2023	22240	
Rosette Grass sp.	<i>Dichanthelium sp.</i>		2022	22241	150490935*
Rattlesnake Manna Grass	<i>Glyceria canadensis</i>	S5	2022, 2023	22342	
Rice Cutgrass	<i>Leersia oryzoides</i>	S5	2023	22388	
White-grained Mountain-Ricegrass	<i>Oryzopsis asperifolia</i>	S5	2023	22446	
Reed Canarygrass	<i>Phalaris arundinacea</i>	S5	2023	22484	
Drooping Woodland Sedge	<i>Carex arctata</i>	S5	2023	23038	
Fibrous-rooted Sedge	<i>Carex communis</i>	S5	2022, 2023	23104	150491038
Fringed Sedge	<i>Carex crinita</i>	S5	2023	23120	
Nodding Sedge	<i>Carex gynandra</i>	S5	2023	23204	
Bladder Sedge	<i>Carex intumescens</i>	S5	2022, 2023	23236	
Sallow Sedge	<i>Carex lurida</i>	S4S5	2022, 2023	23282	152931647
Pointed Broom Sedge	<i>Carex scoparia</i>	S5	2022	23400	
Tussock Sedge	<i>Carex stricta</i>	S5	2023	23418	
Three-seeded Sedge	<i>Carex trisperma</i>	S5	2023	23448	172505798
Northwest Territory Sedge	<i>Carex utriculata</i>	S5	2023	23456	
Sedge sp.	<i>Carex sp.</i>		2022	23481	150490966*
Smooth Saw Sedge	<i>Cladium mariscoides</i>	S5	2023	23506	172507291
Three-way Sedge	<i>Dulichium arundinaceum</i>	S5	2022, 2023	23540	
Tawny Cotton Grass	<i>Eriophorum virginicum</i>	S5	2022, 2023	23610	
White Beaked Sedge	<i>Rhynchospora alba</i>	S5	2022, 2023	23632	
Brown-beak Rush	<i>Rhynchospora capitellata</i>	S4	2022	23636	
Woolgrass	<i>Scirpus cyperinus</i>	S5	2022, 2023	23650	
Three-Square Bulrush	<i>Schoenoplectus pungens</i>	S5	2023	23670	
Wild Calla	<i>Calla palustris</i>	S5	2023	24006	
Bog Yellow-eyed Grass	<i>Xyris difformis</i>	S4	2022, 2023	26000	
Common Pipewort	<i>Eriocaulon aquaticum</i>	S5	2022	27000	
Pickernelweed	<i>Pontederia cordata</i>	S5	2023	30004	173500226
Canada Rush	<i>Juncus canadensis</i>	S5	2023	31022	
Soft Rush	<i>Juncus effusus</i>	S5	2022, 2023	31028	
Blue Bead Lily	<i>Clintonia borealis</i>	S5	2022, 2023	32030	
Canada Mayflower	<i>Maianthemum canadense</i>	S5	2022, 2023	32058	
False Solomon's Seal	<i>Maianthemum racemosum</i>	S5	2022	32062	
Three-leaved False Solomon's Seal	<i>Maianthemum trifolium</i>	S5	2022, 2023	32066	



Hairy Solomon's-Seal	<i>Polygonatum pubescens</i>	S5	2022, 2023	32086	
Marsh Bellwort	<i>Uvularia grandiflora</i>	S5	2023	32110	
Blue Flag Iris	<i>Iris versicolor</i>	S5	2022, 2023	36014	
Blue-eyed Grass sp.	<i>Sisyrinchium sp.</i>		2022	36026	
Tuberous Grasspink	<i>Calopogon tuberosus</i>	S4S5	2023	39008	
Pink Lady Slipper	<i>Cypripedium acaule</i>	S5	2022, 2023	39022	
Checkered Rattlesnake Plantain	<i>Goodyera tessellata</i>	S5	2023	39052	173824648 173502286
White-fringed Orchid	<i>Platanthera blephariglottis</i>	S4?	2023	39082	
Club-spur Orchid	<i>Platanthera clavellata</i>	S4	2023	39088	
Rose Pogonia	<i>Pogonia ophioglossoides</i>	S4S5	2022, 2023	39120	
Slender Ladies' Tresses	<i>Spiranthes lacera</i>	S4S5	2023	39126	176004518*
Trembling Aspen	<i>Populus tremuloides</i>	S5	2023	41016	
Sweet Gale	<i>Myrica gale</i>	S5	2022, 2023	42002	
Speckled Alder	<i>Alnus incana ssp. rugosa</i>	S5	2023	45004	
White Birch	<i>Betula papyrifera</i>	S5	2022, 2023	45020	
Ironwood	<i>Ostrya virginiana</i>	S5	2022	45046	
White Oak	<i>Quercus alba</i>	S5	2022, 2023	46004	
Red Oak	<i>Quercus rubra</i>	S5	2022, 2023	46020	
Bastard Toadflax	<i>Comandra umbellata</i>	S5	2022, 2023	51000	150490994
Fringed Bindweed	<i>Fallopia cilinodis</i>	S5	2023	54030	
Dotted Knotweed	<i>Persicaria punctata</i>	S5	2022, 2023	54062	
Arrow-leaved Tearthumb	<i>Persicaria sagittata</i>	S4S5	2022, 2023	54070	
Sheep Sorrel	<i>Rumex acetosella</i>	SNA	2022, 2023	54086	150490977
Yellow Water Lily	<i>Nuphar variegata</i>	S5	2023	63002	
White Water Lily	<i>Nymphaea odorata</i>	S5	2022, 2023	63006	
Watershield	<i>Brasenia schreberi</i>	S5	2023	63600	
Wild Columbine	<i>Aquilegia canadensis</i>	S5	2022	64026	
Threelobed Goldthread	<i>Coptis trifolia</i>	S5	2022	64050	
Rock Harlequin	<i>Capnoides sempervirens</i>	S5	2022, 2023	71508	
Purple Pitcher Plant	<i>Sarracenia purpurea purpurea</i>	S5	2022, 2023	75000	
Round-leaved Sundew	<i>Drosera rotundifolia</i>	S5	2023	76006	
Spoon-leaved Sundew	<i>Drosera rotundifolia</i>	S5	2023	76006	170002162
Skunk Currant	<i>Ribes glandulosum</i>	S5	2022, 2023	79508	
Downy Juneberry	<i>Amelanchier arborea</i>	S5	2022	82016	
Common Serviceberry	<i>Amelanchier arborea</i>	S5	2023	82016	
Black Chokeberry	<i>Aronia melanocarpa</i>	S5	2022	82028	
Marsh Cinquefoil	<i>Comarum palustre</i>	S5	2023	82032	
Wild Strawberry	<i>Fragaria virginiana</i>	S5	2022, 2023	82162	
Rough Cinquefoil	<i>Potentilla norvegica</i>	S5	2022, 2023	82226	
Pin Cherry	<i>Prunus pensylvanica</i>	S5	2022	82274	
Black Cherry	<i>Prunus serotina</i>	S5	2022	82288	150491025
Chokecherry	<i>Prunus virginiana</i>	S5	2023	82294	176004808*
Swamp Rose	<i>Rosa palustris</i>	S5	2023	82322	
Common Dewberry	<i>Rubus flagellaris</i>	S4	2022	82348	150490963
Common Dewberry	<i>Rubus flagellaris</i>	S4	2023	82348	
Swamp Dewberry	<i>Rubus hispidus</i>	S4	2023	82352	
Black Raspberry	<i>Rubus occidentalis</i>	S5	2023	82360	
Mountain Ash	<i>Sorbus americana</i>	S5	2023	82380	
White Spiraea	<i>Spiraea alba</i>	S5	2022, 2023	82386	
Steeplebush	<i>Spiraea tomentosa</i>	S5	2023	82398	
Wild Red Raspberry	<i>Rubus idaeus</i>	S5	2022, 2023	82536	
Marsh Pea	<i>Lathyrus palustris</i>	S5	2023	83124	
Fringed Polygala	<i>Polygala paucifolia</i>	S5	2023	91006	
Poison Ivy	<i>Toxicodendron radicans</i>	S5	2022, 2023	97010	
Staghorn Sumac	<i>Rhus typhina</i>	S5	2022	97018	
Winterberry Holly	<i>Ilex verticillata</i>	S5	2022, 2023	99002	
Mountain Holly	<i>Ilex mucronata</i>	S5	2022, 2023	99004	
Striped Maple	<i>Acer pensylvanicum</i>	S4	2023	102006	
Red Maple	<i>Acer rubrum</i>	S5	2022, 2023	102012	
Silver Maple	<i>Acer saccharinum</i>	S5	2023	102014	
Jewelweed	<i>Impatiens capensis</i>	S5	2022, 2023	105000	

Spotted Jewelweed	<i>Impatiens capensis</i>	S5	2023	105000	
Pale St. John's-wort	<i>Hypericum ellipticum</i>	S5	2023	111010	
Virginia Marsh St. John's-wort	<i>Hypericum virginicum</i>	S4	2022, 2023	111028	129197033
Lance-leaved Violet	<i>Viola lanceolata</i>	S4	2022, 2023	115024	
Alpine Enchanter's Nightshade	<i>Circaea alpina</i>	S5	2023	125002	
Broad-leaved Enchanter's Nightshade	<i>Circaea canadensis</i>	S5	2023	125006	
Bristly Sarsaparilla	<i>Aralia hispida</i>	S5	2014, 2023	128002	169999812 152756343
Wild Sarsaparilla	<i>Aralia nudicaulis</i>	S5	2022, 2023	128004	
Bulb-bearing Water-hemlock	<i>Cicuta bulbifera</i>	S5	2023	129022	
Bunchberry	<i>Cornus canadensis</i>	S5	2022, 2023	130006	
Ghost Pipes	<i>Monotropa uniflora</i>	S5	2022, 2023	132002	
Bog Rosemary	<i>Andromeda polifolia</i>	S5	2023	133000	
Bearberry	<i>Arctostaphylos uva-ursi</i>	S5	2023	133010	
Leatherleaf	<i>Chamaedaphne calyculata</i>	S5	2022	133014	
Creeping Snowberry	<i>Gaultheria hispidula</i>	S5	2022	133018	
Wintergreen	<i>Gaultheria procumbens</i>	S5	2022, 2023	133020	
Black Huckleberry	<i>Gaylussacia baccata</i>	S4	2022, 2023	133022	
Labrador Tea	<i>Rhododendron groenlandicum</i>	S5	2023	133032	
Lowbush Blueberry	<i>Vaccinium angustifolium</i>	S5	2022, 2023	133040	
American Cranberry	<i>Vaccinium macrocarpon</i>	S4	2022, 2023	133046	
Common Pipsissewa	<i>Chimaphila umbellata</i>	S5	2023	133504	
Swamp Candles	<i>Lysimachia terrestris</i>	S5	2022, 2023	135026	
Starflower	<i>Lysimachia borealis</i>	S5	2022, 2023	135052	
White Ash	<i>Fraxinus americana</i>	S4	2023	141004	
Bogbean	<i>Menyanthes trifoliata</i>	S5	2023	143500	
Spreading Dogbane	<i>Apocynum androsaemifolium</i>	S5	2023	144000	
Swamp Milkweed	<i>Asclepias incarnata</i>	S5	2014, 2023	145004	152755264
Blue Vervain	<i>Verbena hastata</i>	S5	2023	150006	
American Waterhorehound	<i>Lycopus americanus</i>	S5	2022	151060	
American Bugleweed	<i>Lycopus americanus</i>	S5	2023	151060	
Northern Bugleweed	<i>Lycopus uniflorus</i>	S5	2022, 2023	151068	
Marsh Skullcap	<i>Scutellaria galericulata</i>	S5	2023	151140	
Side-flowering Skullcap	<i>Scutellaria lateriflora</i>	S5	2022	151142	
Canada Mint	<i>Mentha canadensis</i>	S5	2022, 2023	151188	
Purple False Foxglove	<i>Agalinis purpurea</i>	S4S5	2022	153008	129196797
Narrow-leaved Cow Wheat	<i>Melampyrum lineare</i>	S5	2022, 2023	153092	
American Cancerroot	<i>Conopholis americana</i>	S4	2023	156000	173824549
Horned Bladderwort	<i>Utricularia cornuta</i>	S5	2022, 2023	157004	
Partridgeberry	<i>Mitchella repens</i>	S5	2022, 2023	161052	
Northern Bush-honeysuckle	<i>Diervilla lonicera</i>	S5	2020, 2023	162000	170876562 152759254
American Fly Honeysuckle	<i>Lonicera canadensis</i>	S5	2023	162008	
Wild Raisin	<i>Viburnum cassinoides</i>	S5	2022	162058	
Marsh Bellflower	<i>Campanula aparinoides</i>	S5	2023	167002	
Large-leaved Aster	<i>Eurybia macrophylla</i>	S5	2022, 2023	168190	
Bog Aster	<i>Oclemena nemoralis</i>	S4	2022	168194	129196922
Boneset	<i>Eupatorium perfoliatum</i>	S5	2022, 2023	168424	
Grass-leaved Goldenrod	<i>Euthamia graminifolia</i>	S5	2022	168438	
Grape Woodbine	<i>Parthenocissus vitacea</i>	S5	2022, 2023	194328	
Sweetgrass	<i>Anthoxanthum hirtum</i>	S4	2022	1004480	
Hairy Rosette Grass	<i>Dichantherium acuminatum</i>	S5	2023	22241	
Marsh St. John's Wort sp.	<i>Hypericum sp.</i>		2023		

Birds				
Common Name	Scientific Name	Designation	Observation Years	iNat observation #
Canada Goose	<i>Branta canadensis</i>	S5	2020, 2023	
Wood Duck	<i>Aix sponsa</i>	S5B	2019, 2022, 2023	
Mallard	<i>Anax platyrhynchos</i>	S5	2019	
American Black Duck	<i>Anas rubripes</i>	S4	2019	
Ring-necked Duck	<i>Aythya collaris</i>	S5B, S4N	2019	
Hooded Merganser	<i>Lophodytes cucullatus</i>	S5	2019	
Ruffed Grouse	<i>Bonasa umbellus</i>	S5	2020, 2022	
Yellow-billed Cuckoo	<i>Coccyzus americanus</i>	S4B	2022	
Sandhill Crane	<i>Antigone canadensis</i>	S5B, S3N	2020, 2022	
Ring-billed Gull	<i>Larus delawarensis</i>	S5	2019	
Common Loon	<i>Gavia immer</i>	S5	2019, 2022	
Double-crested Cormorant	<i>Nannopterum auritum</i>	S5B, S4N	2022, 2023	
American Bittern	<i>Botaurus lentiginosus</i>	S5B	2023	
Great Blue Heron	<i>Ardea herodias</i>	S4	2022, 2023	
Black-crowned Night-heron	<i>Nycticorax nycticorax</i>	S3B, S2N, S4M	2022	130258710
Turkey Vulture	<i>Cartharus aura</i>	S5B	2020, 2022, 2023	
Osprey	<i>Pandion haliaetus</i>	S5B	2023	
Northern Goshawk	<i>Accipiter gentilis</i>	S4	2022	
Bald Eagle	<i>Haliaeetus leucocephalus</i>	S4, SARO SC	2023	
Broad-winged Hawk	<i>Buteo platypterus</i>	S5B	2020, 2022	
Belted Kingfisher	<i>Megaceryle alcyon</i>	S5B	2022, 2023	
Downy Woodpecker	<i>Dryobates pubescens</i>	S5	2022	
Hairy Woodpecker	<i>Dryobates villosus</i>	S5	2020, 2022, 2023	
Pileated Woodpecker	<i>Dryocopus pileatus</i>	S5	2022	
Northern Flicker	<i>Colaptes auratus</i>	S5	2019, 2022, 2023	
Merlin	<i>Falco columbaris</i>	S5	2022	
Eastern Wood-pewee	<i>Contopus virens</i>	S4B, SARO SC, COSEWIC SC	2023	
Least Flycatcher	<i>Empidonax minimus</i>	S5B	2020	
Eastern Phoebe	<i>Sayornis phoebe</i>	S5B	2020, 2022, 2023	
Great Crested Flycatcher	<i>Myiarchus crinitus</i>	S5B	2022, 2023	
Eastern Kingbird	<i>Tyrannus tyrannus</i>	S5B	2022, 2023	

Blue-eyed Vireo	<i>Vireo solitarius</i>	S5B	2023
Red-eyed Vireo	<i>Vireo olivaceus</i>	S5B	2022, 2023
Blue Jay	<i>Cyanocitta cristata</i>	S5	2019, 2020, 2022, 2023
American Crow	<i>Corvus brachyrhynchos</i>	S5	2022, 2023
Common Raven	<i>Corvus corax</i>	S5	2019, 2022, 2023
Black-capped Chickadee	<i>Poecile atricapillus</i>	S5	2019, 2020, 2022, 2023
Tree Swallow	<i>Tachinyeta bicolor</i>	S4S5B	2023
Ruby-crowned Kinglet	<i>Corthylio calendula</i>	S5B	2019, 2022
Golden-crowned Kinglet	<i>Regulus satrapa</i>	S5	2019
Red-breasted Nuthatch	<i>Sitta candensis</i>	S5	2019, 2020, 2022, 2023
White-breasted Nuthatch	<i>Sitta carolinensis</i>	S5	2023
Winter Wren	<i>Troglodytes hiemalis</i>	S5B	2019, 2020, 2022, 2023
Gray Catbird	<i>Dumetella carolinensis</i>	S5B	2022
Brown Thrasher	<i>Toxostoma rufum</i>	S4B	2020
Veery	<i>Catharus fuscescens</i>	S5B	2023
Hermit Thrush	<i>Catharus guttatus</i>	S5B	2019, 2020, 2023
American Robin	<i>Turdus migratorius</i>	S5	2023
Cedar Waxwing	<i>Bombycilla cedrorum</i>	S5B	2022, 2023
American Goldfinch	<i>Spinus tristis</i>	S5	2020, 2022, 2023
Chipping Sparrow	<i>Spizella passerina</i>	S5B	2020, 2022, 2023
Dark-eyed Junco	<i>Junco hyemalis</i>	S5	2019
White-crowned Sparrow	<i>Zonotrichia leucophrys</i>	S5B	2019, 2020
White-throated Sparrow	<i>Zonotrichia albicollis</i>	S5	2019, 2020, 2022, 2023
Song Sparrow	<i>Melospiza melodia</i>	S5	2019, 2020, 2022, 2023
Swamp Sparrow	<i>Melospiza georgiana</i>	S5B	2023
Eastern Towhee	<i>Pipilo erythrophthalmus</i>	S4S5	2020, 2022, 2023
Red-winged Blackbird	<i>Aeglais phoeniceus</i>	S5B	2022
Common Grackle	<i>Quiscalus quiscula</i>	S4B	2022, 2023
Ovenbird	<i>Seiurus aurocapilla</i>	S5B	2020, 2022, 2023
Black-and-white Warbler	<i>Mniotilta varia</i>	S5B	2022, 2023
Nashville Warbler	<i>Leiothlypis ruficapilla</i>	S5B	2020, 2022, 2023
Common Yellowthroat	<i>Geothlypis trichas</i>	S5B	2020, 2022, 2023

American Redstart	<i>Setophaga ruticilla</i>	S5B	2022, 2023
Cape May Warbler	<i>Setophaga tigrina</i>	S5B	2020
Blackburnian Warbler	<i>Setophaga fusca</i>	S5B	2022
Chestnut-sided Warbler	<i>Setophaga pensylvanica</i>	S5B	2020
Pine Warbler	<i>Setophaga pinus</i>	S5B	2020, 2022, 2023
Yellow-rumped Warbler	<i>Setophaga coronata</i>	S5B	2020, 2022, 2023
Black-throated Green Warbler	<i>Setophaga virens</i>	S5B	2020, 2023

Herpetofauna

Common Name	Scientific Name	Designation	Observation Years	iNat observation #
Dekay's Brownsnake	<i>Storeria dekayi</i>	S5	2022	150491088
Northern Map Turtle	<i>Graptemys geographica</i>	S3, SARO SC, COSEWIC SC	2022	
Massasauga	<i>Sistrurus catenatus</i>	S3, SARO THR, COSEWIC THR	2022	
Eastern Foxsnake	<i>Pantherophis vulpinus</i>	S3, SARO END, COSEWIC END	2022	
Eastern Gartersnake	<i>Thamnophis sirtalis sirtalis</i>	S5	2022	
Painted Turtle	<i>Chrysemys picta marginata</i>	S4, SARO SC	2022	
Smooth Green Snake	<i>Opheodrys vernalis</i>	S4	2022	
Red-bellied Snake	<i>Storeria occipitomaculata</i>	S5	2022	
Green Frog	<i>Lithobates clamitans</i>	S5	2022, 2023	173709406 152930611
American Bullfrog	<i>Lithobates catesbeianus</i>	S4	2022	
American Toad	<i>Anaxyrus americana</i>	S5	2022	
Spring Peeper	<i>Pseudacris crucifer</i>	S5	2022	
Leopard Frog	<i>Lithobates pipiens</i>	S5	2018, 2022, 2023	173828802 173825053 152930781 16841109 176002845*
Gray Treefrog	<i>Hyla versicolor</i>	S5	2022	

Mammals

Common Name	Scientific Name	Designation	Observation Years	iNat observation #
White-tailed Deer	<i>Odocoileus virginianus</i>	S5	2023	
Black Bear	<i>Ursus americanus</i>	S5	2023	152674445
Beaver	<i>Castor canadensis</i>	S5	2023	

Insects

Common Name	Scientific Name	Designation	Observation Years	Species ID	iNat observation #
Cabbage White	<i>Pieris rapae</i>	SNA	2023	180919	
Bog Copper	<i>Lycaena epixanthe</i>	S4S5	2023	180941	
Eyed Brown	<i>Lethe eurydice</i>	S5	2023	181022	173502619
Monarch	<i>Danaus plexippus</i>	S2N, S4B, SARO SC, COSEWIC END	2023	181033	
Black-shouldered Spinyleg	<i>Dromogomphus spinosus</i>	S5	2022, 2023	181115	129749303 122295355 111017425
Dragonhunter	<i>Hagenius brevistylus</i>	S5	2022, 2023	181129	
Beaverpond Baskettail	<i>Epithea canis</i>	S5	2022	181160	
Calico Pennant	<i>Celithemis elisa</i>	S5	2022, 2023	181181	130258708
Slaty Skimmer	<i>Libellula incesta</i>	S4	2022, 2023	181192	140267516
Widow Skimmer	<i>Libellula luctuosa</i>	S5	2023	181193	
Belted/Frosted Whiteface	<i>Leucorrhinia sp.</i>	S5	2023	181194	
Chalk-fronted Corporal	<i>Ladona julia</i>	S5	2023	181199	
Elfin Skimmer	<i>Nannothemis bella</i>	S4	2023	181200	
Autumn Meadowhawk	<i>Sympetrum vicinum</i>	S5	2023	181213	
Sedge Sprite	<i>Nehalennia irene</i>	S5	2023	181258	
Sphagnum Sprite	<i>Nehalennia gracilis</i>	S4	2023	181259	
Virginia Ctenucha Moth	<i>Ctenucha virginica</i>	S5	2023	198568	
Scarlet-winged Lichen Moth	<i>Hypoprepia miniata</i>	S4	2023	199129	176004961*
Large Lace-border Moth	<i>Scopula limboundata</i>	S5	2023	199887	
Wavy-lined Fan-foot	<i>Zanclognatha jacchusalis</i>	S5?	2023	200174	176005262*
Tricoloured Bumble Bee	<i>Bombus ternarius</i>	S5	2022	201380	
Four-spotted Owlfly	<i>Ululodes quadripunctatus</i>	SU	2022	1263481	126821839
Oak Leafrolling Weevil	<i>Synolabus bipustulatus</i>	S4	2023	1307221	176005973*
Ocellate Gall Midge	<i>Acericecis ocellaris</i>		2022		150491007
Yellow-legged Mud-dauber Wasp	<i>Sceliphron caementarium</i>	SU	2022		126107556



LONG ISLAND SPECIES INVENTORY

Plants

Common Name	Scientific Name	Designation	Observation Years	Species ID	iNat observation #
Cinnamon Fern	<i>Osmundastrum cinnamomeum</i>	S5	2023		6000
Royal Fern	<i>Osmunda spectabilis</i>	S5	2022, 2023		6006
Bracken Fern	<i>Pteridium aquilinum</i>	S5	2023		9102
Steller's Rock-brake	<i>Cryptogramma stelleri</i>	S4	2023		9204 173424736*
Spinulose Wood Fern	<i>Dryopteris carthusiana</i>	S5	2023		9320
Marginal Wood Fern	<i>Dryopteris marginalis</i>	S5	2023		9336
Sensitive Fern	<i>Onoclea sensibilis</i>	S5	2022, 2023		9370
Virginia Chain Fern	<i>Anchistea virginica</i>	S4	2023		9500 173424191
Rock Polypody	<i>Polypodium virginianum</i>	S5	2023		9704 167058809
Tamarack	<i>Larix laricina</i>	S5	2023		13004 152945300
Black Spruce	<i>Picea mariana</i>	S5	2023		13010
White Pine	<i>Pinus strobus</i>	S5	2023		13024
Common Juniper	<i>Juniperus communis</i>	S5	2023		13500
Eastern Red Cedar	<i>Juniperus virginiana</i>	S5	2021, 2023		13506 92963538*
White Cedar	<i>Thuja occidentalis</i>	S5	2023		13508
Ribbon-leaved Pondweed	<i>Potamogeton epihydrus</i>	S5	2023		16112 173502803*
Floating-leaved Pondweed	<i>Potamogeton natans</i>	S5	2023		16130
Spiral Pondweed	<i>Potamogeton spirillus</i>	S5	2023		16152
Pondweed sp.	<i>Potamogeton sp.</i>		2023		16176 173424291*
Red Raspberry	<i>Rubus idaeus</i>	S5	2023		16820
Grass-leaved Arrowhead	<i>Sagittaria graminea</i>	S4	2023		19012
Broadleaf Arrowhead	<i>Sagittaria latifolia</i>	S5	2023		19018
Canada Bluejoint	<i>Calamagrostis canadensis</i>	S5	2023		22138
Poverty Oatgrass	<i>Danthonia spicata</i>	S5	2023		22182
Wavy Hair Grass	<i>Avenella flexuosa</i>	S5	2023		22190
Slender Dichanthelium	<i>Dichanthelium xanthophyllum</i>	S4	2023		22240
Hairy Rosette Grass	<i>Dichanthelium acuminatum</i>	S5	2023		22241
Rattlesnake Managrass	<i>Glyceria canadensis</i>	S5	2023		22342
Rough-leaved Mountain Rice	<i>Oryzopsis asperifolia</i>	S5	2023		22446
Reed Canary Grass	<i>Phalaris arundinacea</i>	S5	2023		22484 173502376 173423632
Grass sp.			2023		22851 173503279*
Grass sp.			2023		22851 173503029*
Emmons's Sedge	<i>Carex albicans emmonsii</i>	S2	2023		23018 163680550
Buxbaum's Sedge	<i>Carex buxbaumii</i>	S5	2022		23080 123636269
Clustered Sedge	<i>Carex cumulata</i>	S4	2023		23128 173501750*
Tussock Sedge	<i>Carex stricta</i>	S5	2023		23140
Star Sedge	<i>Carex echinata</i>	S5	2022, 2023		23156 123636727* 173502419*
Sallow Sedge	<i>Carex lurida</i>	S4S5	2023		23282
Pointed Broom Sedge	<i>Carex scoparia</i>	S5	2023		23400
Three-seeded Sedge	<i>Carex trisperma</i>	S5	2023		23448
Little Green Sedge	<i>Carex viridula</i>	S5	2023		23464 171438935*
Sedge sp.	<i>Carex sp.</i>		2022		23481 123636380*
Sedge sp.	<i>Carex sp.</i>		2022		23481 123636801*
Sedge sp.	<i>Carex sp.</i>		2022		23481 123636873*
Sedge sp.	<i>Carex sp.</i>		2023		23481 173424114*
Smooth Saw Sedge	<i>Cladium mariscoides</i>	S5	2023		23506 173424684
Three-way Sedge	<i>Dulichium arundinaceum</i>	S5	2023		23540
Common Spikerush	<i>Eleocharis palustris</i>	S5	2023		23582
Tawny Cotton-grass	<i>Eriophorum virginicum</i>	S5	2022, 2023		23610 123636556* 123636624* 126105721*
White Beak-sedge	<i>Rhynchospora alba</i>	S5	2022, 2023		23632 126105772*
Brownish Beaked-rush	<i>Rhynchospora capitellata</i>	S4	2023		23636
Woolgrass	<i>Scirpus cyperinus</i>	S5	2023		23650
Bulrush sp.	<i>Scirpus sp.</i>		2022		23659 123636781*
Soft-stemmed Bulrush	<i>Schoenoplectus tabernaemontani</i>	S5	2023		23686 173502468*
Common Pipewort	<i>Eriocaulon aquaticum</i>	S5	2023		27000
Pickeralweed	<i>Pontederia cordata</i>	S5	2023		30004 173646933
Canada Rush	<i>Juncus canadensis</i>	S5	2023		31022
Soft Rush	<i>Juncus effusus</i>	S5	2022		31028
Bluebead lily	<i>Clintonia borealis</i>	S5	2023		32030
Canada Mayflower	<i>Maianthemum canadense</i>	S5	2023		32058
Three-leaved False Solomon's Seal	<i>Maianthemum trifolium</i>	S5	2023		32066
Hairy Solomon's Seal	<i>Polygonatum pubescens</i>	S5	2023		32086
Northern Blue Flag Iris	<i>Iris versicolor</i>	S5	2023		36014 171115013
Blue Eyed Grass	<i>Sisyrinchium sp.</i>		2023		36027 171111651
Tuberous Grasspink	<i>Calopogon tuberosus</i>	S4S5	2022		39008 123636473 124563175
Pink Lady's-slipper	<i>Cypripedium acaule</i>	S5	2023		39022 166677282 166669597
Broad-leaved Helleborine	<i>Epipactis helleborine</i>	SNA	2023		39040 173502699
Checkered Rattlesnake Plantain	<i>Goodyera tessellata</i>	S5	2021, 2023		39052 92475628 173503142* 173502879*
White-fringed Orchid	<i>Platanthera blephariglottis</i>	S4?	2022, 2023		39082 123582184* 126103831 173503506 173423718
Rose Pogonia	<i>Pogonia ophioglossoides</i>	S4S5	2022, 2023		39120 173423748
Sphinx Ladies' Tresses	<i>Spiranthes incurva</i>	S5	2022		39124 132399709
Orchidaceae Family			2022		39189 123582632*
Sweet Gale	<i>Myrica gale</i>	S5	2022, 2023		42002
Paper Birch	<i>Betula papyrifera</i>	S5	2023		45020
White Oak	<i>Quercus alba</i>	S5	2023		46004
Red Oak	<i>Quercus rubra</i>	S5	2023		46020

Bastard Toadflax	<i>Comandra umbellata</i>	S5	2023	51000	116718845	
Northern Comandra	<i>Geocaulon lividum</i>	S5	2023	51002		
Fringed Bindweed	<i>Fallopia cilinodis</i>	S5	2023	54030	173531817*	
Pinkweed	<i>Persicaria pensylvanica</i>	S5	2023	54054	173503236*	
Dotted Knotweed	<i>Persicaria punctata</i>	S5	2023	54062		
Arrow-leaved Tearthumb	<i>Persicaria sagittata</i>	S4S5	2022, 2023	54070		
Sheep Sorrel	<i>Rumex acetosella</i>	SNA	2023	54086		
Dock sp.	<i>Rumex sp.</i>		2023	54113	173424242*	
Yellow Water Lily	<i>Nuphar variegata</i>	S5	2023	63002		
White Water Lily	<i>Nymphaea odorata</i>	S5	2022, 2023	63006		
Watershield	<i>Brasenia schreberi</i>	S5	2022, 2023	63600		
Rock Harlequin	<i>Capnoides sempervirens</i>	S5	2022, 2023	71508	95447314	800007712
Tower Mustard	<i>Turritis glabra</i>	S5	2023	73026	171111294	
Northern Purple Pitcher Plant	<i>Sarracenia purpurea purpurea</i>	S5	2022, 2023	75000	123636667	150492584
Spoon-leaved Sundew	<i>Drosera rotundifolia</i>	S5	2022, 2023	76006		
Sedum sp.	<i>Sedum sp.</i>	SNA	2023	78021		
Prickly Gooseberry	<i>Ribes cynosbati</i>	S5	2023	79506		
Common Serviceberry	<i>Amelanchier arborea</i>	S5	2023	82016		
Black Chokeberry	<i>Aronia melanocarpa</i>	S5	2021, 2023	82028	80007599*	95447337*
Wild Strawberry	<i>Fragaria virginiana</i>	S5	2023	82162		
Yellow Avens	<i>Geum aleppicum</i>	S5	2023	82168		
Common Ninebark	<i>Physocarpus opulifolius</i>	S5	2022, 2023	82200	92963690	173503196*
Rough Cinquefoil	<i>Potentilla norvegica</i>	S5	2023	82226	166662668	
Pin Cherry	<i>Prunus pensylvanica</i>	S5	2022, 2023	82274	173503481*	
Sand Cherry	<i>Prunus pumila</i>	S4	2023	82278	173501792*	
Black Cherry	<i>Prunus serotina</i>	S5	2022, 2023	82288		
Chokecherry	<i>Prunus virginiana</i>	S5	2023	82294		
Smooth Rose	<i>Rosa blanda</i>	S5	2023	82306		
Swamp Rose	<i>Rosa palustris</i>	S5	2023	82322		
Swamp Dewberry	<i>Rubus hispidus</i>	S4	2023	82352		
Black Raspberry	<i>Rubus occidentalis</i>	S5	2020	82360	53862189*	
White Spiraea	<i>Spiraea alba</i>	S5	2023	82386		
Marsh Pea	<i>Lathyrus palustris</i>	S5	2022	83124	123635893*	
Poison Ivy	<i>Toxicodendron radicans</i>	S5	2023	97010		
Staghorn Sumac	<i>Rhus typhina</i>	S5	2023	97018		
Winterberry Holly	<i>Ilex verticillata</i>	S5	2023	99002		
Mountain Holly	<i>Ilex mucronata</i>	S5	2022, 2023	99004	30646995	
Red Maple	<i>Acer rubrum</i>	S5	2023	102012		
Silver Maple	<i>Acer saccharinum</i>	S5	2023	102014		
Spotted Jewelweed	<i>Impatiens capensis</i>	S5	2023	105000		
Wild Grape	<i>Vitis riparia</i>	S5	2023	107012		
Canada St. John's Wort	<i>Hypericum canadense</i>	S4?	2023	111004		
Pale St. John's Wort	<i>Hypericum ellipticum</i>	S5	2023	111010	173502067*	
Kalm's St. John's Wort	<i>Hypericum kalmianum</i>	S4	2023	111014	173424365*	
Spotted St. John's Wort	<i>Hypericum punctatum</i>	S5	2023	111022	173502554*	
Marsh St. John's Wort sp.	<i>Triadenum sp.</i>		2023	111027		
Viriginia Marsh St. John's-Wort	<i>Hypericum virginicum</i>	S4	2022	111028	129197033	
Lance-leaved Violet	<i>Viola lanceolata</i>	S4	2021, 2023	115024	80007519	
Fireweed	<i>Chamaenerion angustifolium</i>	S5	2023	125010		
Willowherb sp.	<i>Epilobium sp.</i>		2023	125037	173502329*	
Small Sundrops	<i>Oenothera perennis</i>	S5	2023	125068	173502860*	
Bristly Sarsaparilla	<i>Aralia hispida</i>	S5	2023	128002		
Wild Sarsaparilla	<i>Aralia nudicaulis</i>	S5	2023	128004	30641662	
Bulbous Water-hemlock	<i>Cicuta bulbifera</i>	S5	2023	129022		
Water Hemlock	<i>Cicuta sp.</i>		2022	129027	123636910*	
Pinesap	<i>Hypopitys monotropa</i>	S4	2023	132000	173526953	
Ghost Pipes	<i>Monotropa uniflora</i>	S5	2023	132002	173525708	
Leatherleaf	<i>Chamaedaphne calyculata</i>	S5	2022, 2023	133014		
Creeping Snowberry	<i>Gaultheria hispidula</i>	S5	2022	133018		
Wintergreen	<i>Gaultheria procumbens</i>	S5	2023	133020		
Black Huckleberry	<i>Gaylussacia baccata</i>	S4	2021, 2022, 2023	133022	53862436	80182193
Swamp Laurel	<i>Kalmia polifolia</i>	S5	2023	133030	173424037*	
Labrador Tea	<i>Rhododendron groenlandicum</i>	S5	2023	133032	173423949*	
Lowbush Blueberry	<i>Vaccinium angustifolium</i>	S5	2023	133040		
American Cranberry	<i>Vaccinium macrocarpon</i>	S4	2023	133046		
Swamp Candle	<i>Lysimachia terrestris</i>	S5	2023	135026		
Starflower	<i>Lysimachia borealis</i>	S5	2023	135052		
White Ash	<i>Fraxinus americana</i>	S4	2022, 2023	141004		
Blue Vervain	<i>Verbena hastata</i>	S5	2023	150006		
American Bugleweed	<i>Lycopus americanus</i>	S5	2023	151060		
Northern Bugleweed	<i>Lycopus uniflorus</i>	S5	2023	151068		
Small Skullcap	<i>Scutellaria parvula</i>	S4	2023	151146	173424975*	
Canada Mint	<i>Mentha canadensis</i>	S5	2023	151188		
Bittersweet Nightshade	<i>Solanum dulcamara</i>	SNA	2022	152040	123636834	
Narrowleaf Cow Wheat	<i>Melampyrum lineare</i>	S5	2023	153092		
Allegheny Monkeyflower	<i>Mimulus ringens</i>	S5	2023	153102	173501930*	
Horned Bladderwort	<i>Utricularia cornuta</i>	S5	2023	157004		

Common Bladderwort	<i>Utricularia macrorhiza</i>	S5	2023	157020 173502785*
Glaucous Honeysuckle	<i>Lonicera dioica</i>	S5	2022	162012
Wild Raisin	<i>Viburnum nudum</i>	S5	2022, 2023	162058 124564275
Marsh Bellflower	<i>Campanula aparinoides</i>	S5	2023	167002 173502251*
Cardinal Flower	<i>Lobelia cardinalis</i>	S5	2023	167018 173502649*
Panicled Aster	<i>Symphotrichum lanceolatum</i>	S5	2022, 2023	168164 92963659* 92963482*
Large-leaved Aster	<i>Eurybia macrophylla</i>	S5	2023	168190 166824332
Swamp Aster	<i>Symphotrichum puniceum</i>	S5	2023	168222 173502186*
Asteraceae Family			2022	168225 123636125*
Devil's Beggarticks	<i>Bidens frondosa</i>	S5	2023	168270
Creeping Thistle	<i>Cirsium arvense</i>	SNA	2023	168332
Eastern Burnweed	<i>Erechtites hieracifolius</i>	S5	2023	168392 173501855*
Boneset	<i>Eupatorium perfoliatum</i>	S5	2023	168424 173644696
Grass-leaved Goldenrod	<i>Euthamia graminifolia</i>	S5	2023	168438
Grey Goldenrod	<i>Solidago nemoralis</i>	S5	2022, 2023	168744 92963720*
Common Dandelion	<i>Taraxacum officinale</i>	SNA	2023	168828
Colts Foot	<i>Tussilago farfara</i>	SNA	2023	168854

## Birds

Common Name	Scientific Name	Designation	Observation Years	iNat observation #
Canada Goose	<i>Branta canadensis</i>	S5	2020, 2021, 2022, 2023	
Mallard	<i>Anas platyrhynchos</i>	S5	2022, 2023	
Common Merganser	<i>Mergus merganser</i>	S5	2020, 2021, 2023	
Ruffed Grouse	<i>Bonasa umbellatus</i>	S4	2021	
Sandhill Crane	<i>Grus canadensis</i>	S4	2022	
Ring-billed Gull	<i>Larus delawarensis</i>	S5	2020, 2023	
Herring Gull	<i>Larus argentatus</i>	S4B, S5N	2022, 2023	
Caspian Tern	<i>Hydroprogne caspia</i>	S3B, S5M	2020	
Common Tern	<i>Sterna hirundo</i>	S4B, S5N	2020, 2022, 2023	
Common Loon	<i>Gavia immer</i>	S5	2020, 2022, 2023	
Double-crested Cormorant	<i>Nannopterum auritum</i>	S5B	2020, 2021, 2022, 2023	
Black-crowned Night-heron	<i>Nycticorax nycticorax</i>	S3B	2021, 2023	
Turkey Vulture	<i>Cathartes aura</i>	S5B, S4N	2022	
Osprey	<i>Pandion haliaetus</i>	S5B, S4N	2022	
Bald Eagle	<i>Haliaeetus leucocephalus</i>	S4, SARO SC	2022, 2023	
Broad-winged Hawk	<i>Buteo platypterus</i>	S5B, S4N	2022, 2023	
Belted Kingfisher	<i>Megaceryle alcyon</i>	S5B, S4N	2022	
Hairy Woodpecker	<i>Dryobates villosus</i>	S5	2022	
Pileated Woodpecker	<i>Dryocopus pileatus</i>	S5	2023	
Northern Flicker	<i>Colaptes auratus</i>	S5	2022, 2023	
Merlin	<i>Falco columbaris</i>	S5	2021, 2022	
Eastern Phoebe	<i>Sayornis phoebe</i>	S5B	2022, 2023	
Great Crested Flycatcher	<i>Myiarchus crinitus</i>	S5B	2023	
Eastern Kingbird	<i>Tyrannus tyrannus</i>	S5B	2022, 2023	
Red-eyed Vireo	<i>Vireo olivaceus</i>	S5B	2020, 2021, 2022, 2023	
Blue Jay	<i>Cyanocitta cristata</i>	S5	2020, 2021, 2023	
American Crow	<i>Corvus brachyrhynchos</i>	S5	2020, 2021, 2022, 2023	
Common Raven	<i>Corvus corax</i>	S5	2022	
Black-capped Chickadee	<i>Poecile atricapillus</i>	S5	2020, 2023	
Tree Swallow	<i>Tachycineta bicolor</i>	S5B	2023	
Barn Swallow	<i>Hirundo rustica</i>	S4B, SARO THR, COSEWIC THR	2020	

Ruby-crowned Kinglet	<i>Corthylio calendula</i>	S5B	2022	
Golden-crowned Kinglet	<i>Regulus satrapa</i>	S5B	2022	
Red-breasted Nuthatch	<i>Sitta canadensis</i>	S5	2020	
White-breasted Nuthatch	<i>Sitta carolinensis</i>	S5	2022	
House Wren	<i>Troglodytes aedon</i>	S5B	2023	
Winter Wren	<i>Troglodytes hiemalis</i>	S5B	2022, 2023	
Gray Catbird	<i>Dumetella carolinensis</i>	S5B	2021	
Brown Thrasher	<i>Toxostoma rufum</i>	S5B	2023	
Veery	<i>Catharus fuscescens</i>	S5B	2021, 2022	
Hermit Thrush	<i>Catharus guttatus</i>	S5B	2021	
Cedar Waxwing	<i>Bombycilla cedrorum</i>	S5B	2022	
American Goldfinch	<i>Spinus tristis</i>	S5	2022	
Chipping Sparrow	<i>Spizella passerina</i>	S5B	2020, 2021, 2023	
White-throated Sparrow	<i>Zonotrichia albicollis</i>	S5	2021, 2022, 2023	
Song Sparrow	<i>Melospiza melodia</i>	S5	2020, 2021, 2022, 2023	70121299
Swamp Sparrow	<i>Melospiza georgiana</i>	S5B	2020, 2022	
Eastern Towhee	<i>Pipilo erythrophthalmus</i>	S4S5B	2020, 2021, 2022	
Red-winged Blackbird	<i>Agelaius phoeniceus</i>	S5	2023	
Common Grackle	<i>Quiscalus quiscula</i>	S5	2023	
Ovenbird	<i>Seiurus aurocapilla</i>	S5B	2020, 2021, 2022, 2023	
Black-and-white Warbler	<i>Mniotilta varia</i>	S5B	2020, 2021, 2022, 2023	
Tennessee Warbler	<i>Leiothlypis peregrina</i>	S5B	2022	
Nashville Warbler	<i>Leiothlypis ruficapilla</i>	S5B	2020, 2022, 2023	
Mourning Warbler	<i>Geothlypis philadelphia</i>	S5B	2023	
Common Yellowthroat	<i>Geothlypis trichas</i>	S5B, S3N	2022	
American Redstart	<i>Setophaga ruticilla</i>	S5B	2020, 2021, 2022, 2023	
Northern Parula	<i>Setophaga americana</i>	S5B	2022	
Magnolia Warbler	<i>Setophaga magnolia</i>	S5B	2022	
Bay-breasted Warbler	<i>Setophaga castanea</i>	S5B	2022	
Blackburnian Warbler	<i>Setophaga fusca</i>	S5B	2022, 2023	
Yellow Warbler	<i>Setophaga petechia</i>	S5B	2022, 2023	
Palm Warbler	<i>Setophaga palmarum</i>	S5B	2020	

Pine Warbler	<i>Setophaga pinus</i>	S5B, S3N	2020, 2021, 2022, 2023	70121298
Yellow-rumped Warbler	<i>Setophaga coronata</i>	S5B, S3N	2020, 2022, 2023	
Prairie Warbler	<i>Setophaga discolor</i>	S2B	2020, 2021, 2022, 2023	
Black-throated Green Warbler	<i>Setophaga virens</i>	S5B	2022, 2023	
Scarlet Tanager	<i>Piranga olivacea</i>	S5B	2022	
Indigo Bunting	<i>Passerina cyanea</i>	S5B	2021	

Herpetofauna

Common Name	Scientific Name	Designation	Observation Years	iNat observation #
Northern Leopard Frog	<i>Lithobates pipiens</i>	S5	2022, 2023	126105646
American Bullfrog	<i>Lithobates catesbeianus</i>	S4	2022	
Green Frog	<i>Lithobates clamitans</i>	S5	2022, 2023	
Northern Watersnake	<i>Thamnophis sirtalis sirtalis</i>	S5	2022	140278078
Eastern Newt	<i>Notophthalmus viridescens</i>	S5	2022	124563619
Eastern Hognose Snake	<i>Heterodon platirhinos</i>	S3, SARO THR, COSEWIC THR	2021	81021311
Eastern Milksnake	<i>Lampropeltis triangulum</i>	S4, SARO SC, COSEWIC SC	2021	96901666
American Toad	<i>Anaxyrus americanus</i>	S5	2023	
Massasauga	<i>Sistrurus catenatus</i>	S3	2023	173523219

## Mammals

Common Name	Scientific Name	Designation	Observation Years	iNat observation #
Eastern Chipmunk	<i>Tamias striatus</i>	S5	2022, 2023	
Black Bear	<i>Ursus americanus</i>	S5	2022, 2023	
White-tailed Deer	<i>Odocoileus virginianus</i>	S5	2023	
Coyote	<i>Canis latrans</i>	S5	2023	



Insects

Common Name	Scientific Name	Designation	Observation Years	Species ID	iNat observation #
Crossline Skipper	<i>Polites origenes</i>	S4	2022	180882	124617511
Cabbage White	<i>Pieris rapae</i>	SNA	2022	180919	
Henry's Elfin	<i>Callophrys henrici</i>	S4	2021	180956	81021304 81021315*
Red Admiral	<i>Vanessa atalanta</i>	S5B	2023	181013	173333762
Northern Pearly-eye	<i>Lethe anthedon</i>	S5	2023	181021	173501326
Eyed Brown	<i>Lethe eurydice</i>	S5	2023	181022	
Monarch	<i>Danaus plexippus</i>	S4B, S2N, SARO SC, COSEWIC END	2021	181033	96901732 96901773
Black-shouldered Spinyleg	<i>Dromogomphus spinosus</i>	S5	2023	181115	
Phanogomphus sp.	<i>Phanogomphus sp.</i>		2021	181126	81021316* 81021310*
Dragonhunter	<i>Hagenius brevistylus</i>	S5	2022, 2023	181129	
Canada Darner	<i>Aeshna canadensis</i>	S5	2023	181136	173501320
Common Green Darner	<i>Anax junius</i>	S5	2023	181147	
Springtime Darner	<i>Basiaeschna janata</i>	S5	2021	181149	81021307
Stream Cruiser	<i>Didymops transversa</i>	S4	2023	181154	165921947*
American Emerald	<i>Cordulia shurtleffii</i>	S5	2021	181157	81021306
Racket-tailed Emerald	<i>Dorocordulia libera</i>	S5	2021	181158	81021309
Prince Baskettail	<i>Epitheca princeps</i>	S5	2022, 2023	181159	173501321
Spiny Baskettail	<i>Epitheca spinigera</i>	S5	2021	181162	81021305
Frosted Whiteface	<i>Leucorrhinia frigida</i>	S5	2021	181186	81021308
Slaty Skimmer	<i>Libellula incesta</i>	S4	2022, 2023	181192	
Widow Skimmer	<i>Libellula luctuosa</i>	S5	2023	181193	
Twelve-spotted Skimmer	<i>Libellula pulchella</i>	S5	2022, 2023	181194	
Four-spotted skimmer	<i>Libellula quadrimaculata</i>	S5	2021, 2023	181195	81021314
Common Whitetail	<i>Plathemis lydia</i>	S5	2023	181198	
Chalk-fronted Corporal	<i>Ladona julia</i>	S5	2022	181199	
Elfin Skimmer	<i>Nannothemis bella</i>	S4	2022, 2023	181200	
Autumn Meadowhawk	<i>Sympetrum vicinum</i>	S5	2023	181213	
Swamp Spreadwing	<i>Lestes vigilax</i>	S4	2023	181229	173501331*
Pond Spreadwing sp.	<i>Lestes sp.</i>		2023	181230	173501325*
Powdered Dancer	<i>Argia moesta</i>	S5	2023	181234	173530551 173530135 173504166* 171508019
Bluet sp.	<i>Enallagma sp.</i>		2023	181256	173501323*
Eastern Forktail	<i>Ischnura verticalis</i>	S5	2022, 2023	181257	
Sphagnum Sprite	<i>Nehalennia gracilis</i>	S4	2023	181259	
Damselfly sp.			2023	181262	173333763*
Harlequin Darner	<i>Gomphaeschna furcillata</i>	S3S4	2023	184162	
Orange Cahill	<i>Stenacron interpunctatum</i>	S4S5	2023	187657	173503704*
Oak Leafshredder Moth	<i>Acleris semipurpurana</i>	S4S5	2023	194238	173503443*
Ninebark Calligrapha Beetle	<i>Calligrapha spiraeae</i>	SU	2021	195071	116718863*
Spotted Cucumber Beetle	<i>Diabrotica undecimpunctata</i>	S4S5	2022	195522	140284991
	<i>Etorofus subhamatus</i>	SNR	2023	196246	173502021*
Japanese Beetle	<i>Popillia japonica</i>	SNA	2023	197094	
White Eulithis Moth	<i>Eulithis explanata</i>	S5?	2023	198838	173501330

Olethreutine Leafroller Moths			2023	199482	173501342*	
Large Lace-border Moth	<i>Scopula limboundata</i>	S5	2023	199887	173501336	173501324
Crocus Geometer Moth sp.	<i>Xanthotype sp.</i>		2023	200133		
Marbled Purple Jumping Spider	<i>Phidippus purpuratus</i>	S4S5	2023	201087	165918930	
Two-spotted Bumble Bee	<i>Bombus bimaculatus</i>	S5	2023	201372	173501338	
Black Beetle	<i>Amara aulica</i>	SNA	2023	1007457	173531359	
Forest Wolf Spider	<i>Hogna frondicola</i>	S5	2022, 2023	1007568	173524840*	
Thin-legged Wolf Spider sp.	<i>Pardosa sp.</i>		2020	1007752	53863230*	
Giant Lichen Orbweaver	<i>Araneus bicentenarius</i>	SU	2022	1007757		
Versicolor Long-jawed Orbweaver	<i>Tetragnatha versicolor</i>	S5	2023	1008013	165892851*	
Arabesque Orbweaver	<i>Neoscona arabesca</i>	S5	2022	1008124	123635835	173502121*
Golden Sweat Bee	<i>Augochlorella aurata</i>	S5	2023	1263166	173528555*	
Asian Lady Beetle	<i>Harmonia axyridis</i>	SNA	2022	1306760	140285002	
Stink Bug sp.	<i>Chlorochroa sp.</i>		2020		53863075*	
Larger Empty Oak Apple Wasp	<i>Amphibolips quercusinanis</i>		2023		171114644	
Oak Leaf Gall Midge	<i>Polystepha pilulae</i>		2023		173525650*	134994483*
Ichneumonid Wasp sp.	<i>Ichneumonidae sp.</i>		2023			
Harvestmen sp.			2023		173503665*	

LAKE ST. PATRICK AREA SPECIES INVENTORY

Plants	Common Name	Scientific Name	Designation	Observation Years	Species ID	iNat observation #
	Inundated Bog Clubmoss	<i>Lycopodiella inundata</i>	S5	2022, 2023		2014 127146771
	Cinnamon Fern	<i>Osmundastrum cinnamomeum</i>	S5	2023		6000
	Royal Fern	<i>Osmunda regalis</i>	S5	2023		6004
	Osmunda sp.	<i>Osmunda sp.</i>	S5	2022		6007 142618850*
	Bracken Fern	<i>Pteridium aquilinum</i>	S5	2022, 2023		9102
	Spinulose Wood Fern	<i>Dryopteris carthusiana</i>	S5	2023		9320
	Marginal Wood Fern	<i>Dryopteris marginalis</i>	S5	2022, 2023		9336
	Sensitive Fern	<i>Onoclea sensibilis</i>	S5	2023		9370
	Marsh Fern	<i>Thelypteris palustris</i>	S5	2022		9406 127150318*
	Virginia Chain Fern	<i>Anchistea virginica</i>	S4	2023		9500
	Rock Polypody	<i>Polypodium virginianum</i>	S5	2019, 2022, 2023		9704 34246548
	Tamarack	<i>Larix laricina</i>	S5	2023		13004
	Black Spruce	<i>Picea mariana</i>	S5	2023		13010
	White Pine	<i>Pinus strobus</i>	S5	2022		13024
	Eastern Hemlock	<i>Tsuga canadensis</i>	S5	2023		13032 134872459
	Common Juniper	<i>Juniperus communis</i>	S5	2022, 2023		13500
	White Cedar	<i>Thuja occidentalis</i>	S5	2022, 2023		13508
	Broad-leaved Cattail	<i>Typha latifolia</i>	S5	2022, 2023		14002
	Grass-leaved Bur-reed	<i>Sparganium fluctuans</i>	S5?	2022, 2023		15008 173441975*
	Floating-leaved pondweed	<i>Potamogeton natans</i>	S5	2023		16130
	Spiral Pondweed	<i>Potamogeton spirillus</i>	S5	2022		16152
	Grass-leaved Arrowhead	<i>Sagittaria graminea</i>	S4	2022		19012
	Poverty Oatgrass	<i>Danthonia spicata</i>	S5	2022, 2023		22182
	Hairy rosette grass	<i>Dichanthelium acuminatum</i>	S5	2023		22197
	Slender dichanthelium	<i>Dichanthelium xanthophyllum</i>	S4	2023		22240
	Dichanthelium sp.	<i>Dichanthelium sp.</i>	S5	2023		22241
	Smooth Crabgrass	<i>Digitaria ischaemum</i>	SNA	2022		22244 116070686*
	Fowl Mannagrass	<i>Glyceria striata</i>	S5	2023		22358 173441869*
	Rice Cutgrass	<i>Leersia oryzoides</i>	S5	2023		22388
	Clustered Sedge	<i>Carex cumulata</i>	S4	2021		23128 110103760
	Star sedge	<i>Carex echinata</i>	S5	2023		23156
	Northern Long Sedge	<i>Carex folliculata</i>	S3	2022, 2023		23172 127150062 173239487* 173438361* 173440979*
	Bladder Sedge	<i>Carex intumescens</i>	S5	2023		23236
	Sallow Sedge	<i>Carex lurida</i>	S4S5	2023		23282
	Long-stalked Sedge	<i>Carex pedunculata</i>	S5	2022		23348 115979648*
	Tussock Sedge	<i>Carex stricta</i>	S5	2023		23418
	Northern Beaked Sedge	<i>Carex utriculata</i>	S5	2023		23456
	Sedge sp.	<i>Carex sp.</i>	S5	2023		23481 173441102*
	Sedge sp.	<i>Carex sp.</i>	S5	2023		23481 173440872*
	Three-way Sedge	<i>Dulichium arundinaceum</i>	S5	2022, 2023		23540
	Tawny Cottongrass	<i>Eriophorum virginicum</i>	S5	2022		23610
	White-beak Sedge	<i>Rhynchospora alba</i>	S5	2022		23632
	Brownish Beaked-rush	<i>Rhynchospora capitellata</i>	S4	2022		23636 142618863
	Woolgrass	<i>Scirpus cyperinus</i>	S5	2023		23650
	Soft-stemmed Bulrush	<i>Schoenoplectus tabernaemontani</i>	S5	2023		23686
	Bog Yellow-eyed Grass	<i>Xyris difformis</i>	S4	2022, 2023		26000 127149939
	Soft Rush	<i>Juncus effusus</i>	S5	2022, 2023		31028 173438196*
	Rush sp.	<i>Juncus sp.</i>	S5	2022		31071 127150143*
	Bluebead lily	<i>Clintonia borealis</i>	S5	2023		32030
	Canada Mayflower	<i>Maianthemum canadense</i>	S5	2022, 2023		32058
	Three-leaved False Solomon's Seal	<i>Maianthemum trifolium</i>	S5	2023		32066
	Hairy Solomon's Seal	<i>Polygonatum pubescens</i>	S5	2023		32086
	Blue-eyed Grass sp.	<i>Sisyrinchium sp.</i>	S5	2022		36025 121980384*
	Tuberous grass pink	<i>Calopogon tuberosus</i>	S4S5	2023		39008
	Pink Ladyslipper	<i>Cypripedium acaule</i>	S5	2020		39022 70124132
	Checkered Rattlesnake Plantain	<i>Goodyera tessellata</i>	S5	2021, 2022, 2023		39052 127149059 127149133 93944756 93944599 93944572 93944543 93944515 93944492 93944412 173440337* 173438986* 173437734* 173441379* 173441322* 173441216*
	Rose Pogonia	<i>Pogonia ophioglossoides</i>	S4S5	2022, 2023		39120 173440944*
	Sphinx Ladies' Tresses	<i>Spiranthes incurva</i>	S5	2022		39124 141608595
	Trembling Aspen	<i>Populus tremuloides</i>	S5	2022, 2023		41016
	Sweet Gale	<i>Myrica gale</i>	S5	2023		42002
	Speckled Alder	<i>Alnus incana</i>	S5	2022, 2023		45002
	Paper Birch	<i>Betula papyrifera</i>	S5	2023		45020
	White Oak	<i>Quercus alba</i>	S5	2022, 2023		46004
	Red Oak	<i>Quercus rubra</i>	S5	2022, 2023		46020
	Fringed Black Bindweed	<i>Fallopia cilinodis</i>	S5	2023		54030
	Arrow-leaved Tearthumb	<i>Persicaria sagittata</i>	S4S5	2022, 2023		54070
	Sheep Sorrel	<i>Rumex acetosella</i>	SNA	2022, 2023		54086
	Yellow Water Lily	<i>Nuphar variegata</i>	S5	2022, 2023		63002
	White Water Lily	<i>Nymphaea odorata</i>	S5	2022, 2023		63006
	Watershield	<i>Brasenia schreberi</i>	S5	2023		63600
	Red Columbine	<i>Aquilegia canadensis</i>	S5	2023		64026
	Rock harlequin	<i>Capnoides sempervirens</i>	S5	2023		71508
	Northern Pitcher Plant	<i>Sarracenia purpurea</i>	S5	2023		75000
	Round-leaved Sundew	<i>Drosera rotundifolia</i>	S5	2021, 2022, 2023		76006 83943706
	Common Serviceberry	<i>Amelanchier arborea</i>	S5	2023		82016
	Wild Strawberry	<i>Fragaria virginiana</i>	S5	2023		82162
	Rough Cinquefoil	<i>Potentilla norvegica</i>	S5	2022		82226
	Sand Cherry	<i>Prunus pumila</i>	S4	2021		82278 93944665*
	Bristly Dewberry	<i>Rubus hispidus</i>	S4	2022		82352
	White Spiraea	<i>Spiraea alba</i>	S5	2022, 2023		82386 34246236
	Steeplebush	<i>Spiraea tomentosa</i>	S5	2022, 2023		82398
	Marsh Pea	<i>Lathyrus palustris</i>	S5	2023		83124
	Geranium sp.	<i>Geranium sp.</i>	S5	2021		86027 93944737*
	Fringed Polygala	<i>Polygaloides paucifolia</i>	S5	2022, 2023		91006
	Poison Ivy	<i>Toxicodendron radicans</i>	S5	2023		97010
	Common Winterberry	<i>Ilex verticillata</i>	S5	2023		99002
	Red Maple	<i>Acer rubrum</i>	S5	2022, 2023		102012 134873319*
	Silver Maple	<i>Acer saccharinum</i>	S5	2022, 2023		102014
	Spotted Jewelweed	<i>Impatiens capensis</i>	S5	2023		105000
	Bristly Sarsaparilla	<i>Aralia hispida</i>	S5	2023		128002
	Wild Sarsaparilla	<i>Aralia nudicaulis</i>	S5	2022, 2023		128004 34246344
	Bunchberry	<i>Cornus canadensis</i>	S5	2023		130006
	Bearberry	<i>Arctostaphylos uva-ursi</i>	S5	2021, 2023		133010 81104287
	Leatherleaf	<i>Chamaedaphne calyculata</i>	S5	2021, 2022, 2023		133014 90554611
	Trailing Arbutus	<i>Epigaea repens</i>	S5	2022, 2023		133016
	Wintergreen	<i>Gaultheria procumbens</i>	S5	2022, 2023		133020
	Black Huckleberry	<i>Gaylussacia baccata</i>	S4	2022, 2023		133022
	Lowbush Blueberry	<i>Vaccinium angustifolium</i>	S5	2022, 2023		133040
	American Cranberry	<i>Vaccinium macrocarpon</i>	S4	2022, 2023		133046 173438763* 173441456*
	Green-flowered Wintergreen	<i>Pyrola chlorantha</i>	S4S5	2023		133516 170329975*
	Swamp Candle	<i>Lysimachia terrestris</i>	S5	2022, 2023		135026
	Starflower	<i>Lysimachia borealis</i>	S5	2022, 2023		135052
	Bagbean	<i>Menyanthes trifoliata</i>	S5	2022, 2023		143500
	Spreading Dogbane	<i>Apocynum androsaemifolium</i>	S5	2022		144000
	Swamp Milkweed	<i>Asclepias incarnata</i>	S5	2022		145004
	Blue Vervain	<i>Verbena hastata</i>	S5	2022		150006
	American Bugleweed	<i>Lycopus americanus</i>	S5	2023		151060
	Northern Bugleweed	<i>Lycopus uniflorus</i>	S5	2022, 2023		151068
	Narrowleaf Cow Wheat	<i>Melampyrum lineare</i>	S5	2022, 2023		153092
	Partridgeberry	<i>Mitchella repens</i>	S5	2022, 2023		161052
	Large-leaved Aster	<i>Eurybia macrophylla</i>	S5	2021, 2022, 2023		168190 93944640
	Boneset	<i>Eupatorium perfoliatum</i>	S5	2022		168424 134866345
	White Rattlesnakeroot	<i>Nabalus albus</i>	S5	2023		168648 34246292
	Slender Naiad	<i>Najas flexilis</i>	S4S5	2022		1004440

Birds				
Common Name	Scientific Name	Designation	Observation Years	iNat observation #
Canada Goose	<i>Branta canadensis</i>	S5	2020, 2022	
Wood Duck	<i>Aix sponsa</i>	S5	2019, 2022	
Blue-winged Teal	<i>Spatula discors</i>	S3B, S4M	2022	
Mallard	<i>Anas platyrhynchos</i>	S5	2020	
Green-winged Teal	<i>Anas crecca</i>	S4B, S4N, S5M	2022	
Bufflehead	<i>Bucephala albeola</i>	S5	2021	
Hooded Merganser	<i>Lophodytes cucullatus</i>	S5	2021	
Common Merganser	<i>Mergus merganser</i>	S5	2020	
Ruffed Grouse	<i>Bonasa umbellus</i>	S5	2020, 2022, 2023	
Common Nighthawk	<i>Chordeiles minor</i>	S4B, SARO SC, COSEWIC SC	2022	
Eastern Whip-poor-will	<i>Antrostomus vociferus</i>	S4B, SARO THR, COSEWIC SC	2019	
Sandhill Crane	<i>Antigone canadensis</i>	S5B, S3N	2020	
Herring Gull	<i>Larus argentatus</i>	S4B, S5N	2020, 2023	
Double-crested Cormorant	<i>Nannopterum auritum</i>	S5B, S4N	2020, 2023	
Great Blue Heron	<i>Ardea herodias</i>	S4	2020, 2021, 2022	
Turkey Vulture	<i>Cathartes aura</i>	S5B, S3N	2019, 2020, 2021, 2023	
Broad-winged Hawk	<i>Buteo platypterus</i>	S5B	2020	
Red-tailed Hawk	<i>Buteo jamaicensis</i>	S5	2020	
Barred Owl	<i>Strix varia</i>	S5	2020	
Belted Kingfisher	<i>Megaceryle alcyon</i>	S5B, S4N	2020, 2022	
Yellow-bellied Sapsucker	<i>Sphyrapicus varius</i>	S5B, S3N	2020	
Hairy Woodpecker	<i>Dryobates villosus</i>	S5	2020, 2021, 2022, 2023	
Pileated Woodpecker	<i>Dryocopus pileatus</i>	S5	2020, 2022	
Northern Flicker	<i>Colaptes auratus</i>	S5	2020, 2021, 2023	
Eastern Wood-pewee	<i>Contopus virens</i>	S4B, SARO SC, COSEWIC SC	2023	
Yellow-bellied Flycatcher	<i>Empidonax flaviventris</i>	S5B	2019	
Alder Flycatcher	<i>Empidonax alnorum</i>	S5B	2023	
Least Flycatcher	<i>Empidonax minimus</i>	S5B	2020	
Eastern Phoebe	<i>Sayornis phoebe</i>	S5B	2019, 2022, 2023	
Great Crested Flycatcher	<i>Myiarchus crinitus</i>	S5B	2021, 2023	
Blue-headed Vireo	<i>Vireo solitarius</i>	S5B	2020, 2023	
Red-eyed Vireo	<i>Vireo olivaceus</i>	S5B	2020, 2021, 2023	
Blue Jay	<i>Cyanocitta cristata</i>	S5	2020, 2021, 2022, 2023	
American Crow	<i>Corvus brachyrhynchos</i>	S5	2020, 2023	
Common Raven	<i>Corvus corax</i>	S5	2022	
Black-capped Chickadee	<i>Poecile atricapillus</i>	S5	2020, 2021, 2022, 2023	
Golden-crowned Kinglet	<i>Regulus satrapa</i>	S5B	2021	
Red-breasted Nuthatch	<i>Sitta canadensis</i>	S5	2019, 2020, 2021	
White-breasted Nuthatch	<i>Sitta carolinensis</i>	S5	2020, 2021, 2022	
Brown Creeper	<i>Certhia americana</i>	S5	2023	
Winter Wren	<i>Troglodytes hiemalis</i>	S5B	2020, 2023	
Gray Catbird	<i>Dumetella carolinensis</i>	S5B, S3N	2019	
Veery	<i>Catharus fuscescens</i>	S5B	2020, 2021, 2023	
Hermit Thrush	<i>Catharus guttatus</i>	S5B	2021	
American Robin	<i>Turdus migratorius</i>	S5B	2019, 2020, 2023	
Chipping Sparrow	<i>Spizella passerina</i>	S5B	2020, 2022, 2023	
White-crowned Sparrow	<i>Zonotrichia leucophrys</i>	S5B	2020	
White-throated Sparrow	<i>Zonotrichia albicollis</i>	S5	2020, 2023	
Song Sparrow	<i>Melospiza melodia</i>	S5B	2020, 2021, 2023	
Swamp Sparrow	<i>Melospiza georgiana</i>	S5B	2020, 2023	
Eastern Towhee	<i>Pipilo erythrophthalmus</i>	S4B, S3N	2020, 2022, 2023	124115654*
Red-winged Blackbird	<i>Agelaius phoeniceus</i>	S5B	2020	
Ovenbird	<i>Seiurus aurocapilla</i>	S5B	2019, 2020, 2021, 2023	
Black-and-white Warbler	<i>Mniotilta varia</i>	S5B	2020, 2021, 2023	
Nashville Warbler	<i>Leiothlypis ruficapilla</i>	S5B	2020	
Common Yellowthroat	<i>Geothlypis trichas</i>	S5B	2020, 2022, 2023	
American Redstart	<i>Setophaga ruticilla</i>	S5B	2020, 2021, 2023	

Bay-breasted Warbler	<i>Setophaga castanea</i>	S5B	2021, 2022
Blackburnian Warbler	<i>Setophaga fusca</i>	S5B	2022
Yellow Warber	<i>Setophaga petechia</i>	S5B	2023
Chestnut-sided Warbler	<i>Setophaga pensylvanica</i>	S5B	2020, 2021, 2023
Palm Warbler	<i>Setophaga palmarum</i>	S5B	2022
Pine Warbler	<i>Setophaga pinus</i>	S5B	2020, 2021, 2023
Yellow-rumped Warbler	<i>Setophaga coronata</i>	S5B	2020, 2021, 2022, 2023
Black-throated Green Warbler	<i>Setophaga virens</i>	S5B	2020
Scarlet Tanager	<i>Piranga olivacea</i>	S5B	2020, 2023

Mammals

Common Name	<i>Scientific Name</i>	Designation	Observation Years	Species ID	iNat observation #
American Bear	<i>Ursus americanus</i>	S5	2023	180719	
White-tailed Deer	<i>Odocoileus virginianus</i>	S5	2023	180741	
Moose	<i>Alces americanus</i>	S5	2023	180742	

Herpetofauna

Common Name	Scientific Name	Designation	Observation Years	Species ID	iNat observation #	
American Toad	<i>Anaxyrus americanus</i>	S5	2023	180021		
American Bullfrog	<i>Lithobates catesbeianus</i>	S4	2023	180032		
Green Frog	<i>Lithobates clamitans</i>	S5	2023	180033		
Northern Leopard Frog	<i>Lithobates pipiens</i>	S5	2023	180036		
Midland Painted Turtle	<i>Chrysemys picta marginata</i>	S4, COSEWIC SC	2023	180749	171068804	
Spotted Turtle	<i>Clemmys guttata</i>	S2, SARO END, COSEWIC END	2020	180750		
Eastern Foxsnake	<i>Pantherophis vulpinus</i>	S3, SARO END, COSEWIC END	2023	180768	170096011	
Northern Watersnake	<i>Nerodia sipedon sipdeon</i>	S5	2020	180774	70123048	70119860
Massasauga	<i>Sistrurus catenatus</i>	S3, SARO END, COSEWIC END	2020, 2023	180785	112984427	173438549

Insects

Common Name	Scientific Name	Designation	Observation Years	Species ID	iNat observation #		
Juvenal's Duskywing	<i>Erynnis juvenalis</i>	S5	2021	180856	81104273		
Indian Skipper	<i>Hesperia sassacus</i>	S4	2022	180878	121900540		
Long Dash	<i>Polites mystic</i>	S5	2023	180883	171068807		
Striped Hairstreak	<i>Satyrium liparops</i>	S5	2022	180949	127823416		
Silver-bordered Fritillary	<i>Boloria myrina</i>	S5	2023	180987	171068805		
Harris's Checkerspot	<i>Chlosyne harrisii</i>	S4	2021, 2023	180996	83998300	171068808	
White Admiral	<i>Limenitis arthemis arthemis</i>	S5	2021	181015	83998294		
Lancet Darner	<i>Phanogomphus exilis</i>	S5	2022	181122	121900536*		
Ashy Clubtail	<i>Phanogomphus lividus</i>	S5	2021, 2022	181124	121900533*	81104274*	
Springtime Darner	<i>Basiaeschna janata</i>	S5	2022	181149	121900537		
Stream Cruiser	<i>Didymops transvera</i>	S4	2020	181154	59223680		
American Emerald	<i>Cordulia shurtleffii</i>	S5	2020, 2022, 2023	181157	121900539	59223681	
Racket-tailed Emerald	<i>Dorocordulia libera</i>	S5	2020, 2023	181158	59223678		
Prince Basket-tail	<i>Epitheca princeps</i>	S5	2023	181159			
Calico Pennant	<i>Celithemis elisa</i>	S5	2021, 2023	181181	83998293	83998288	173441554*
Frosted Whiteface	<i>Leucorrhinia frigida</i>	S5	2021, 2023(?)	181186	83998289	70124133*	
Belted Whiteface	<i>Leucorrhinia proxima</i>	S5	2020, 2023(?)	181191	59224407		
Slaty Skimmer	<i>Libellula incesta</i>	S4	2021, 2023	181192	83998301		
Widow Skimmer	<i>Libellula luctuosa</i>	S5	2021, 2023	181193	83998282		
Twelve Spotted Skimmer	<i>Libellula pulchella</i>	S5	2023	181194			
Common Whitetail	<i>Plathemis lydia</i>	S5	2021, 2023	181198	83998283		
Chalk-fronted Corporal	<i>Ladona julia</i>	S5	2019, 2021, 2023	181199	81021296	29080802	29080748
Elfin Skimmer	<i>Nannothemis bella</i>	S4	2023	181200			
Skimming Bluet	<i>Enallagma geminatum</i>	S4	2022	181251	127823417		
Bluet sp.	<i>Enallagma sp.</i>		2022	181255	121900532*		
Sphagnum Sprite	<i>Nehalennia gracilis</i>	S4	2022, 2023	181259			
Lilypad Clubtail	<i>Arigomphus furcifer</i>	S4, N3	2021	181268	83998281		
Robber Fly	<i>Laphria thoracica</i>	SNR	2021	194310	83998295		
Virginia Ctenucha Moth	<i>Ctenucha virginica</i>	S5	2023	198568			
Rannoch Looper Moth	<i>Macaria brunneata</i>	S4S5	2021	199179	83998290		
Yellow-washed Metarranthis Moth	<i>Metarranthis obfirmaria</i>	S4S5	2021	199355	81021297		
European Hornet	<i>Vespa crabro</i>	SNA	2023	1259869			
Middle Barklice sp.	<i>Mesopsocus unipunctatus</i>		2023		173441762*		



MOREAU'S BAY

Common Name	Scientific Name	Designation	Observation Years	Species ID	iNat observation #				
Clubmoss sp.	<i>Lycopodium sp.</i>		2023	2005					
Royal Fern	<i>Osmunda spectabilis</i>	S5	2023	6006					
Bracken Fern	<i>Pteridium aquilinum</i>	S5	2023	9102					
Spinulose Wood Fern	<i>Dryopteris carthusiana</i>	S5	2023	9320					
Intermediate Wood Fern	<i>Dryopteris intermedia</i>	S5	2023	9334	172504843				
Marginal Wood Fern	<i>Dryopteris marginalis</i>	S5	2023	9336					
Sensitive Fern	<i>Onoclea sensibilis</i>	S5	2023	9370					
Virginia Chain Fern	<i>Anchistea virginica</i>	S4	2023	9500					
Rock Polypody	<i>Polypodium virginianum</i>	S5	2023	9704					
White Pine	<i>Pinus strobus</i>	S5	2023	13024					
Common Juniper	<i>Juniperus communis</i>	S5	2023	13500					
Eastern Red Cedar	<i>Juniperus virginiana</i>	S5	2023	13506					
White Cedar	<i>Thuja occidentalis</i>	S5	2023	13508	152776078				
Broad-leaved Cattail	<i>Typha latifolia</i>	S5	2023	14002					
Grass-leaved Burreed	<i>Sparganium americanum</i>	S5	2023	15000					
Floating-leaved Pondweed	<i>Potamogeton natans</i>	S5	2023	16130					
Richardson's Pondweed	<i>Potamogeton richardsonii</i>	S5	2023	16148					
Spiral Pondweed	<i>Potamogeton spirillus</i>	S5	2023	16152					
Hardstem Bulrush	<i>Schoenoplectus acutus</i>	S5	2023	17096	176642775*				
Grass-leaved Arrowhead	<i>Sagittaria graminea</i>	S4	2023	19012					
Broad-leaved Arrowhead	<i>Sagittaria latifolia</i>	S5	2023	19018					
Broad-leaved Arrowhead	<i>Sagittaria latifolia</i>	S5	2023	19018					
Long-awned Wood Grass	<i>Brachyelytrum erectum</i>	S4	2023	22084					
Poverty Oatgrass	<i>Danthonia spicata</i>	S5	2023	22182					
Wavy Hair Grass	<i>Avenella flexuosa</i>	S5	2023	22190					
Hairy Rosette Grass	<i>Dichanthelium acuminatum</i>		2023	22230					
Rattlesnake Manna Grass	<i>Glyceria canadensis</i>	S5	2023	22342					
Rice Cutgrass	<i>Leersia oryzoides</i>	S5	2023	22388					
White-grained Mountain-Ricegrass	<i>Oryzopsis asperifolia</i>	S5	2023	22446					
Reed Canarygrass	<i>Phalaris arundinacea</i>	S5	2023	22484					
Wild Rice	<i>Zizania palustris</i>	S5?	2023	22650					
Drooping Woodland Sedge	<i>Carex arctata</i>	S5	2023	23038					
Sallow Sedge	<i>Carex lurida</i>	S4S5	2023	23282	152931647				
Pointed Broom Sedge	<i>Carex scoparia</i>	S5	2023	23400					
Tussock Sedge	<i>Carex stricta</i>	S5	2023	23418					
Northwest Territory Sedge	<i>Carex utriculata</i>	S5	2023	23456					
Fox Sedge	<i>Carex vulpinoidea</i>	S5	2023	23470					
Smooth Saw Sedge	<i>Cladium mariscoides</i>	S5	2023	23506	172507291				
Shining Flatsedge	<i>Cyperus bipartitus</i>	S5	2023	23508	176642994				
Three-way Sedge	<i>Dulichium arundinaceum</i>	S5	2023	23540					
Rough Cottongrass	<i>Eriophorum tenellum</i>	S5	2023	23604	176644210*				
Slender Fimbry	<i>Fimbristylis autumnalis</i>	S4	2023	23616	176643064				
White Beaked Sedge	<i>Rhynchospora alba</i>	S5	2023	23632					
Brownish Beaked-rush	<i>Rhynchospora capitellata</i>	S4	2023	23636					
Woolgrass	<i>Scirpus cyperinus</i>	S5	2023	23650					
Three-Square Bulrush	<i>Schoenoplectus pungens</i>	S5	2023	23670					
Bog Yellow-eyed Grass	<i>Xyris difformis</i>	S4	2023	26000					
Common Pipewort	<i>Eriocaulon aquaticum</i>	S5	2023	27000					
Pickernelweed	<i>Pontederia cordata</i>	S5	2023	30004	173500226				
Canada Rush	<i>Juncus canadensis</i>	S5	2023	31022	176643280*				
Soft Rush	<i>Juncus effusus</i>	S5	2023	31028					
Rushes sp.	<i>Juncus sp.</i>		2023	31042	176642929*	176641888*			
Brown-fruit Rush	<i>Juncus pelocarpus</i>	S5	2023	31058	176641747*				
Blue Bead Lily	<i>Clintonia borealis</i>	S5	2023	32030					
Canada Mayflower	<i>Maianthemum canadense</i>	S5	2023	32058					
Cucumber-root	<i>Medeola virginiana</i>	S5	2023	32068					
Hairy Solomon's-Seal	<i>Polygonatum pubescens</i>	S5	2023	32086					
Marsh Bellwort	<i>Uvularia grandiflora</i>	S5	2023	32110					
Blue Flag Iris	<i>Iris versicolor</i>	S5	2023	36014					
Broad-leaved Helleborine	<i>Epipactis helleborine</i>	SNA	2023	39040					
Downy Rattlesnake Plantain	<i>Goodyera pubescens</i>	S4	2023	39046	176643736				
Checkered Rattlesnake Plantain	<i>Goodyera tessellata</i>	S5	2023	39052	173824648	173502286	176643934	176643663	176642366
Sweet Gale	<i>Myrica gale</i>	S5	2023	42002					
White Oak	<i>Quercus alba</i>	S5	2023	46004					
Red Oak	<i>Quercus rubra</i>	S5	2023	46020					
Bastard Toadflax	<i>Comandra umbellata</i>	S5	2023	51000	150490994				
Fringed Bindweed	<i>Fallopia cilinodis</i>	S5	2023	54030					
Dotted Knotweed	<i>Persicaria punctata</i>	S5	2023	54062					
Sheep Sorrel	<i>Rumex acetosella</i>	SNA	2023	54086	150490977				
Yellow Water Lily	<i>Nuphar variegata</i>	S5	2023	63002					
White Water Lily	<i>Nymphaea odorata</i>	S5	2023	63006					
Watershield	<i>Brasenia schreberi</i>	S5	2023	63600					
Wild Columbine	<i>Aquilegia canadensis</i>	S5	2023	64026					
Creeping Spearwort	<i>Ranunculus flammula var. reptans</i>	S5	2023	64190					
Spoon-leaved Sundew	<i>Drosera rotundifolia</i>	S5	2023	76006	170002162				
Round-leaved Sundew	<i>Drosera rotundifolia</i>	S5	2023	76006					
Prickly Gooseberry	<i>Ribes cynosbati</i>	S5	2023	79506					
Common Serviceberry	<i>Amelanchier arborea</i>	S5	2023	82016					
Marsh Cinquefoil	<i>Comarum palustre</i>	S5	2023	82032					
Woodland Strawberry	<i>Fragaria vesca</i>	S5	2023	82158					

Wild Strawberry	<i>Fragaria virginiana</i>	S5	2023	82162		
Yellow Avens	<i>Geum aleppicum</i>	S5	2023	82168		
Rough Cinquefoil	<i>Potentilla norvegica</i>	S5	2023	82226		
Smooth Rose	<i>Rosa blanda</i>	S5	2023	82306		
Common Dewberry	<i>Rubus flagellaris</i>	S4	2023	82348	150490963	
Black Raspberry	<i>Rubus occidentalis</i>	S5	2023	82360		
White Spiraea	<i>Spiraea alba</i>	S5	2023	82386		
Steeplebush	<i>Spiraea tomentosa</i>	S5	2023	82398		
Wild Red Raspberry	<i>Rubus idaeus</i>	S5	2023	82536		
Marsh Pea	<i>Lathyrus palustris</i>	S5	2023	83124		
Fringed Polygala	<i>Polygala paucifolia</i>	S5	2023	91006		
Poison Ivy	<i>Toxicodendron radicans</i>	S5	2023	97010		
Winterberry Holly	<i>Ilex verticillata</i>	S5	2023	99002		
Striped Maple	<i>Acer pensylvanicum</i>	S4	2023	102006		
Red Maple	<i>Acer rubrum</i>	S5	2023	102012		
Silver Maple	<i>Acer saccharinum</i>	S5	2023	102014		
Sugar Maple	<i>Acer saccharum</i>	S5	2023	102016		
Spotted Jewelweed	<i>Impatiens capensis</i>	S5	2023	105000		
Canada St. John's-wort	<i>Hypericum canadense</i>	S4?	2023	111004		
Pale St. John's-wort	<i>Hypericum ellipticum</i>	S5	2023	111010		
Spotted St. John's Wort	<i>Hypericum punctatum</i>	S5	2023	111022	176643376	
Dwarf St. John's-wort	<i>Hypericum mutilum</i>	S4	2023	111030	176642708*	
Lance-leaved Violet	<i>Viola lanceolata</i>	S4	2023	115024		
Broadleaf Enchanter's Nightshade	<i>Circaea canadensis</i>	S5	2023	125006	176642506	
Cinnamon Willow-Herb	<i>Epilobium coloratum</i>	S5	2023	125022	176642601*	
Wild Sarsaparilla	<i>Aralia nudicaulis</i>	S5	2023	128004		
Bulb-bearing Water-hemlock	<i>Cicuta bulbifera</i>	S5	2023	129022		
Bunchberry	<i>Cornus canadensis</i>	S5	2023	130006		
Ghost Pipes	<i>Monotropa uniflora</i>	S5	2023	132002		
Bearberry	<i>Arctostaphylos uva-ursi</i>	S5	2023	133010		
Leatherleaf	<i>Chamaedaphne calyculata</i>	S5	2023	133014		
Wintergreen	<i>Gaultheria procumbens</i>	S5	2023	133020		
Black Huckleberry	<i>Gaylussacia baccata</i>	S4	2023	133022		
Lowbush Blueberry	<i>Vaccinium angustifolium</i>	S5	2023	133040		
American Cranberry	<i>Vaccinium macrocarpon</i>	S4	2023	133046		
Swamp Candles	<i>Lysimachia terrestris</i>	S5	2023	135026		
Starflower	<i>Lysimachia borealis</i>	S5	2023	135052		
White Ash	<i>Fraxinus americana</i>	S4	2023	141004		
Little Floatingheart	<i>Nymphoides cordata</i>	S4	2023	143502		
Spreading Dogbane	<i>Apocynum androsaemifolium</i>	S5	2023	144000		
Blue Vervain	<i>Verbena hastata</i>	S5	2023	150006		
American Waterhorehound	<i>Lycopus americanus</i>	S5	2023	151060		
American Bugleweed	<i>Lycopus americanus</i>	S5	2023	151060		
Northern Bugleweed	<i>Lycopus uniflorus</i>	S5	2023	151068		
Common Self-heal	<i>Prunella vulgaris</i>	S5	2023	151106		
Marsh Skullcap	<i>Scutellaria galericulata</i>	S5	2023	151140		
Canada Mint	<i>Mentha canadensis</i>	S5	2023	151188		
Narrow-leaved Cow Wheat	<i>Melampyrum lineare</i>	S5	2023	153092		
Horned Bladderwort	<i>Utricularia cornuta</i>	S5	2023	157004	176643311	
Purple Bladderwort	<i>Utricularia purpurea</i>	S4	2023	157016	176643998*	
Partridgeberry	<i>Mitchella repens</i>	S5	2023	161052		
Northern Bush Honeysuckle	<i>Diervilla lonicera</i>	S5	2023	162000	170876562	152759254
American Fly Honeysuckle	<i>Lonicera canadensis</i>	S5	2023	162008		
Cardinal Flower	<i>Lobelia cardinalis</i>	S5	2023	167018		
Kalm's Lobelia	<i>Lobelia kalmii</i>	S5	2023	167024		
Pearly Everlasting	<i>Anaphalis margaritacea</i>	S5	2023	168030		
Large-leaved Aster	<i>Eurybia macrophylla</i>	S5	2023	168190		
Devil's Beggarticks	<i>Bidens frondosa</i>	S5	2023	168270		
Creeping Thistle	<i>Cirsium arvense</i>	SNA	2023	168332	176643581*	
Eastern Burnweed	<i>Erechtites hieraciifolius</i>	S5	2023	168392		
Spotted Joe Pye Weed	<i>Eutrochium maculatum</i>	S5	2023	168422		
Boneset	<i>Eupatorium perfoliatum</i>	S5	2023	168424		
Grass-leaved Goldenrod	<i>Euthamia graminifolia</i>	S5	2022	168438		
Tall Rattlesnake Root	<i>Nabalus altissimus</i>	S5	2023	168650		
Grey Goldenrod	<i>Solidago nemoralis</i>	S5	2023	168744		
Rough-stemmed Goldenrod	<i>Solidago rugosa</i>	S5	2023	168770		
Virginia Creeper	<i>Parthenocissus vitacea</i>	S5	2023	194328		
Slender Naiad	<i>Najas flexilis</i>	S4S5	2023	1004440		
Plants sp.	<i>Plantae sp.</i>		2023		176642304*	

Common Name	Scientific Name	Designation	Observation Year	Species ID	iNat observation #
Great Blue Heron	<i>Ardea herodias</i>	S4	2023	180064	
Hairy Woodpecker	<i>Dryobates villosus</i>	S5	2023	180287	
Eastern Wood-Pewee	<i>Contopus virens</i>	S4B	2023	180294	
Eastern Kingbird	<i>Tyrannus tyrannus</i>	S4B	2023	180311	
Blue Jay	<i>Cyanocitta cristata</i>	S5	2023	180325	
Black-capped Chickadee	<i>Poecile atricapillus</i>	S5	2023	180332	
Red-breasted Nuthatch	<i>Sitta canadensis</i>	S5	2023	180336	
Red-eyed Vireo	<i>Vireo olivaceus</i>	S5B	2023	180384	
Pine Warbler	<i>Setophaga pinus</i>	S5B, S3N	2023	180404	
Swamp Sparrow	<i>Melospiza georgiana</i>	S5B, S4N	2023	180461	

Common Name	Scientific Name	Designation	Observation Year	Species ID	iNat observation #
White-tailed Deer	<i>Odocoileus virginianus</i>	S5	2023	180741	

Common Name	Scientific Name	Designation	Observation Year	Species ID	iNat observation #
American Bullfrog	<i>Lithobates catesbeianus</i>	S4	2023	180032	
Northern Leopard Frog	<i>Lithobates pipiens</i>	S5	2023	180036	

Common Name	Scientific Name	Designation	Observation Year	Species ID	iNat observation #
Dragonhunter	<i>Hagenius brevistylus</i>	S5	2023	181129	
Calico Pennant	<i>Celithemis elisa</i>	S5	2023	181181	
Twelve-spotted Skimmer	<i>Libellula pulchella</i>	S5	2023	181194	
Autumn Meadowhawk	<i>Sympetrum vicinum</i>	S5	2023	181213	

MAIN DOCK AREA AND SOUTH - SPECIES INVENTORY

Plants

Common Name	Scientific Name	Designation	Observation Years	Species ID	iNat observation #
Interrupted Clubmoss	<i>Spinulum annotinum</i>	S5	2023		2000
Flat-branched Tree Clubmoss	<i>Dendrolycopodium obscurum</i>	S4	2023		2018
Interrupted Fern	<i>Osmunda claytoniana</i>	S5	2022, 2023		6002
Royal Fern	<i>Osmunda spectabilis</i>	S5	2022, 2023		6006
Bracken Fern	<i>Pteridium aquilinum</i>	S5	2022, 2023		9102
Lady Fern	<i>Athyrium filix-femina angustum</i>	S5	2022		9302 123634337*
Spinulose Wood Fern	<i>Dryopteris carthusiana</i>	S5	2022		9320
Marginal Wood Fern	<i>Dryopteris marginalis</i>	S5	2022, 2023		9336 123526141
Sensitive Fern	<i>Onoclea sensibilis</i>	S5	2022, 2023		9370
Marsh Fern	<i>Thelypteris palustris</i>	S5	2022		9406
Virginia Chain Fern	<i>Anchistea virginica</i>	S4	2023		9500
Rock Polypody	<i>Polypodium virginianum</i>	S5	2022, 2023		9704
White Pine	<i>Pinus strobus</i>	S5	2022, 2023		13024
Common Juniper	<i>Juniperus communis</i>	S5	2022, 2023		13500
White Cedar	<i>Thuja occidentalis</i>	S5	2022, 2023		13508
Broad-leaved Cattail	<i>Typha latifolia</i>	S5	2023		14002
Grass-leaved Bur-reed	<i>Sparganium fluctuans</i>	S5?	2022, 2023		15008
Wild Red Raspberry	<i>Rubus idaeus</i>	S5	2022, 2023		16820
Broad-leaved Arrowhead	<i>Sagittaria latifolia</i>	S5	2022, 2023		19018
Long-awned Wood Grass	<i>Brachyelytrum erectum</i>	S4	2022		22084
Northern Shorthusk	<i>Brachyelytrum aritosum</i>	S5?	2023		22086
Poverty Oat Grass	<i>Danthonia spicata</i>	S5	2023		22182
Wavy Hair Grass	<i>Avonella flexuosa</i>	S5	2023		22190
Hairy Rosette Grass	<i>Dichanthelium acuminatum</i>	S5	2023		22197
Slender Dichanthelium	<i>Dichanthelium xanthophyllum</i>	S4	2023		22240
Rattlesnake Manna Grass	<i>Glyceria canadensis</i>	S5	2023		22342
Grass sp.			2022		22389 123525316*
Rice Grass	<i>Oryzopsis asperifolia</i>	S5	2022, 2023		22446
Drooping Woodland Sedge	<i>Carex arctata</i>	S5	2022		23038 123634211
Brownish Sedge	<i>Carex brunnescens</i>	S5	2022		23076 123634623*
Fibrous-rooted Sedge	<i>Carex communis</i>	S5	2023		23104
Bladder Sedge	<i>Carex intumescens</i>	S5	2023		23236
Sallow Sedge	<i>Carex lurida</i>	S4S5	2022, 2023		23282 123635327* 123449992*
Blunt Broom Sedge	<i>Carex scoparia</i>	S5	2022		23400
Tussock Sedge	<i>Carex stricta</i>	S5	2022, 2023		23418
Northwest Territory Sedge	<i>Carex utriculata</i>	S5	2023		23456
Sedge sp.	<i>Carex sp.</i>		2022		23481 123635169*
Sedge sp.	<i>Carex sp.</i>		2022		23481 123525499*
Sedge sp.	<i>Carex sp.</i>		2022		23481 123525156*
Sedge sp.	<i>Carex gynandra/crinata</i>	S5	2022		23481 123524999*
Three-way Sedge	<i>Dulichium arundinaceum</i>	S5	2022, 2023		23540
Woolgrass	<i>Scirpus cyperinus</i>	S5	2023		23650
Bog Yellow-eyed Grass	<i>Xyris difformis</i>	S4	2023		26000
Pickeralweed	<i>Pontederia cordata</i>	S5	2022		30004
Canada Rush	<i>Juncus canadensis</i>	S5	2023		31022
Soft Rush	<i>Juncus effusus</i>	S5	2023		31028
Blue-eyed Grass sp.	<i>Sisyrinchium sp.</i>		2022, 2023		32027
Bluebead Lily	<i>Clintonia borealis</i>	S5	2021, 2022, 2023		32030 123634392 80744470
Canada Mayflower	<i>Maianthemum canadense</i>	S5	2022, 2023		32058
False Solomon's Seal	<i>Maianthemum racemosum</i>	S5	2022, 2023		32062
Cucumber Root	<i>Medeola virginiana</i>	S5	2022		32068
Hairy Solomon's Seal	<i>Polygonatum pubescens</i>	S5	2022, 2023		32086
Rose Twisted-stalk	<i>Streptopus lanceolatus</i>	S5	2023		32092
Blue Flag Iris	<i>Iris versicolor</i>	S5	2022, 2023		36014
Pink Lady's Slipper	<i>Cypripedium acaule</i>	S5	2022, 2023		39022
Broad-leaved Helleborine	<i>Epipactis helleborine</i>	SNA	2022		39040
Western Rattlesnake Plantain	<i>Goodyera oblongifolia</i>	S4	2021, 2022		39044 123583301 80615975
Checkered Rattlesnake Plantain	<i>Goodyera tessellata</i>	S5	2022, 2023		39052 123582973*
Rose Pogonia	<i>Pogonia ophioglossoides</i>	S4S5	2022, 2023		39120 123635802
Large-toothed Aspen	<i>Populus grandidentata</i>	S5	2022		41012
Trembling Aspen	<i>Populus tremuloides</i>	S5	2022		41016
Sweet Gale	<i>Myrica gale</i>	S5	2022, 2023		42002
Speckled Alder	<i>Alnus incana</i>	S5	2022, 2023		45002
White Birch	<i>Betula papyrifera</i>	S5	2023		45020
White Oak	<i>Quercus alba</i>	S5	2022, 2023		46004
Red Oak	<i>Quercus rubra</i>	S5	2022, 2023		46020
Fringed Bindweed	<i>Fallopia cilinoidis</i>	S5	2022, 2023		54030
Arrow-leaved Tearthumb	<i>Persicaria sagittata</i>	S4S5	2022, 2023		54070
Sheep Sorrel	<i>Rumex acetosella</i>	SNA	2022, 2023		54086
Yellow Water Lily	<i>Nuphar variegata</i>	S5	2022, 2023		63002

White Water Lily	<i>Nymphaea odorata</i>	S5	2022	63006	
Watershield	<i>Brasenia schreberi</i>	S5	2022, 2023	63600	
Wild Columbine	<i>Aquilegia canadensis</i>	S5	2022	64026	
Rock Harlequin	<i>Capnoides sempervirens</i>	S5	2022, 2023	71508	
Round-leaved Sundew	<i>Drosera rotundifolia</i>	S5	2022	76006	123635723
Common Serviceberry	<i>Amelanchier arborea</i>	S5	2023	82016	
Rough Cinquefoil	<i>Potentilla norvegica</i>	S5	2022, 2023	82226	
Black Cherry	<i>Prunus serotina</i>	S5	2022	82288	
Northern Dewberry	<i>Rubus flagellaris</i>	S4	2022	82348	
Swamp Dewberry	<i>Rubus hispidus</i>	S4	2022	82352	
White Spiraea	<i>Spiraea alba</i>	S5	2022, 2023	82386	
Steeplebush	<i>Spiraea tomentosa</i>	S5	2022, 2023	82398	
Small-flowered Crane's-bill	<i>Geranium pusillum</i>	SNA	2021	86020	80897376*
Poison Ivy	<i>Toxicodendron radicans</i>	S5	2022, 2023	97010	
Winterberry Holly	<i>Ilex verticillata</i>	S5	2022, 2023	99002	
Striped Maple	<i>Acer pensylvanicum</i>	S4	2022, 2023	102006	
Red Maple	<i>Acer rubrum</i>	S5	2023	102012	
Jewelweed	<i>Impatiens capensis</i>	S5	2022, 2023	105000	
St. John's-wort sp.	<i>Hypericum sp.</i>		2022, 2023	111029	
Lance-leaved Violet	<i>Viola lanceolata</i>	S4	2023	115024	
Bristly Sarsaparilla	<i>Aralia hispida</i>	S5	2023	128002	
Wild Sarsaparilla	<i>Aralia nudicaulis</i>	S5	2022, 2023	128004	
Bulb-bearing Water Hemlock	<i>Cicuta bulbifera</i>	S5	2022	129022	
Bunchberry	<i>Cornus canadensis</i>	S5	2022, 2023	130006	
Pinesap	<i>Monotropa hypopitys</i>	S4	2022	132000	
Leatherleaf	<i>Chamaedaphne calyculata</i>	S5	2022	133014	
Trailing Arbutus	<i>Epigaea repens</i>	S5	2022	133016	
Wintergreen	<i>Gaultheria procumbens</i>	S5	2022, 2023	133020	
Black Huckleberry	<i>Gaylussacia baccata</i>	S5	2022, 2023	133022	
Lowbush Blueberry	<i>Vaccinium angustifolium</i>	S5	2022, 2023	133040	
Swamp Candles	<i>Lysimachia terrestris</i>	S5	2022, 2023	135026	
Starflower	<i>Lysimachia borealis</i>	S5	2022, 2023	135052	
Spreading Dogbane	<i>Apocynum androsaemifolium</i>	S5	2022	144000	
Wild Basil	<i>Clinopodium vulgare</i>	SNA	2022	151026	
Northern Bugleweed	<i>Lycopus uniflorus</i>	S5	2022, 2023	151068	
Marsh Skullcap	<i>Scutellaria galericulata</i>	S5	2023	151140	
Narrowleaf Cow Wheat	<i>Melampyrum lineare</i>	S5	2022, 2023	153092	123525937
American Cancer-root	<i>Conopholis americana</i>	S4	2022	156000	123528055
Partridgeberry	<i>Mitchella repens</i>	S5	2022, 2023	161052	
American Fly Honeysuckle	<i>Lonicera canadensis</i>	S5	2023	162008	
Glaucous Honeysuckle	<i>Lonicera dioica</i>	S5	2022	162012	
Elderberry	<i>Sambucus canadensis</i>	S5	2022	162038	
Hobblebush	<i>Viburnum lantanoides</i>	S5	2022, 2023	162066	
Yellow Hawkweed	<i>Pilosella sp.</i>		2022	168003	
Large-leaved Aster	<i>Eurybia macrophyllus</i>	S5	2022, 2023	168190	
Tall Rattlesnakeroot	<i>Nabalus altissimus</i>	S5	2022	168650	123524637*



Birds				
Common Name	Scientific Name	Designation	Observation Years	iNat observation #
Canada Goose	<i>Branta canadensis</i>	S5	2021, 2023	
Wood Duck	<i>Aix sponsa</i>	S5B	2021, 2022	
Mallard	<i>Anas platyrhynchos</i>	S5	2021, 2023	
Ruffed Grouse	<i>Bonasa umbellus</i>	S5	2021, 2022, 2023	
Eastern Whip-poor-will	<i>Antrostomus vociferus</i>	S4B, SARO THR, COSEWIC SC	2022	123525643*
Common Tern	<i>Sterna hirundo</i>	S4B	2022	
Common Loon	<i>Gavia immer</i>	S5	2022	
Great Blue Heron	<i>Ardea herodias</i>	S4	2021	
Turkey Vulture	<i>Cathartes aura</i>	S5B	2022	
Broad-winged Hawk	<i>Buteo platypterus</i>	S5B	2022, 2023	
Yellow-bellied Sapsucker	<i>Sphyrapicus varius</i>	S5B	2021	
Hairy Woodpecker	<i>Dryobates villosus</i>	S5	2022	
Pileated Woodpecker	<i>Dryocopus pileatus</i>	S5	2022	
Northern Flicker	<i>Colaptes auratus</i>	S5	2021, 2023	
Eastern Wood-pewee	<i>Contopus virens</i>	S4B, COSEWIC SC, SARO SC	2022	124122382
Eastern Phoebe	<i>Sayornis phoebe</i>	S5B	2022, 2023	
Great Crested Flycatcher	<i>Myiarchus crinitus</i>	S5B	2021, 2022, 2023	
Eastern Kingbird	<i>Tyrannus tyrannus</i>	S5B	2021	
Blue-headed Vireo	<i>Vireo solitarius</i>	S5B	2022	
Red-eyed Vireo	<i>Vireo olivaceus</i>	S5B	2021, 2022, 2023	
Blue Jay	<i>Cyanocitta cristata</i>	S5	2021, 2022, 2023	
American Crow	<i>Corvus brachyrhynchos</i>	S5	2022, 2023	
Black-capped Chickadee	<i>Poecile atricapillus</i>	S5	2021	
Barn Swallow	<i>Hirundo rustica</i>	S4B, SARO THR, COSEWIC THR	2022	
Red-breasted Nuthatch	<i>Sitta canadensis</i>	S5	2021, 2022, 2023	
White-breasted Nuthatch	<i>Sitta carolinensis</i>	S5	2022	
House Wren	<i>Troglodytes aedon</i>	S5B	2022	
Winter Wren	<i>Troglodytes hiemalis</i>	S5B	2022, 2023	
Veery	<i>Catharus fuscescens</i>	S5B	2021, 2022	
American Robin	<i>Turdus migratorius</i>	S5	2021, 2022	
Chipping Sparrow	<i>Spizella passerina</i>	S5B	2021, 2022	
Song Sparrow	<i>Melospiza melodia</i>	S5	2021, 2023	
Swamp Sparrow	<i>Melospiza georgiana</i>	S5B	2022	
Red-winged Blackbird	<i>Agelaius phoeniceus</i>	S5B	2021	
Common Grackle	<i>Quiscalus quiscula</i>	S4B	2021, 2022	
Ovenbird	<i>Seiurus aurocapilla</i>	S5B	2021, 2022, 2023	
Black-and-white Warbler	<i>Mniotilta varia</i>	S5B	2021, 2022, 2023	
Nashville Warbler	<i>Setophaga pensylvanica</i>	S5B	2023	
Common Yellowthroat	<i>Geothlypis trichas</i>	S5B	2021, 2023	
American Redstart	<i>Setophaga ruticilla</i>	S5B	2021, 2022, 2023	
Pine Warbler	<i>Setophaga pinus</i>	S5B	2021, 2022, 2023	
Yellow-rumped Warbler	<i>Setophaga coronata</i>	S5B	2021, 2022	
Prairie Warbler	<i>Setophaga discolor</i>	S2B	2022	124122728
Black-throated Green Warbler	<i>Setophaga virens</i>	S5B	2021, 2022, 2023	

Herpetofauna				
Common Name	Scientific Name	Designation	Observation Years	iNat observation #
American Toad	<i>Anaxyrus americanus</i>	S5	2022	
Wood Frog	<i>Lithobates sylvani</i>	S5	2022	
Northern Map Turtle	<i>Graptemys geographica</i>	S3, COSEWIC SC, SARO SC	2022	
Green Frog	<i>Lithobates clamitans</i>	S5	2022, 2023	
American Bullfrog	<i>Lithobates catesbeianus</i>	S4	2022	
Five-lined Skink	<i>Plesticodon fasciatus</i>	S3, COSEWIC SC, SARO SC	2022	
Gray Treefrog	<i>Hyla versicolor</i>	S5	2022	

Mammals

Common Name	Scientific Name	Designation	Observation Years	Species ID	iNat observation #
White-tailed Deer	<i>Odocoileus virginianus</i>	S5	2022, 2023		
Red Fox	<i>Vulpes vulpes</i>	S5	2022		
Weasel sp.			2022		
Beaver	<i>Castor canadensis</i>	S5	2022		
Chipmunk	<i>Tamias striatus</i>	S5	2022		
Black Bear	<i>Ursus americanus</i>	S5	2022		
Moose	<i>Alces alces</i>	S5	2022		

Insects

Common Name	Scientific Name	Designation	Observation Years	Species ID	iNat observation #
Northern Pearly-eye	<i>Lethe anhedon</i>	S5	2023		
Clubtail sp.	<i>Phanogomphus sp.</i>		2022	181126	123728356
Dragonhunter	<i>Hagenius brevistylus</i>	S5	2022	181129	
Common Green Darner	<i>Anax junius</i>	S5	2022	181147	
Racket-tailed Emerald	<i>Dorocordulia libera</i>	S5	2022	181158	
Calico Pennant	<i>Celithemis elisa</i>	S5	2022	181181	
Slaty Skimmer	<i>Libellula incesta</i>	S4	2023		
Widow Skimmer	<i>Libellula luctuosa</i>	S5	2022	181193	
Chalk-fronted Corporal	<i>Ladona julia</i>	S5	2022	181199	
Elfin Skimmer	<i>Nannothemis bella</i>	S4	2022, 2023	181200	
Swamp Spreadwing	<i>Lestes vigilax</i>	S4	2022	181229	123448574
Powdered Dancer	<i>Argia moesta</i>	S5	2023		
Eastern Forktail	<i>Ischnura verticalis</i>	S5	2022, 2023	181257	
Sedge Sprite	<i>Nehalennia irene</i>	S5	2022, 2023	181258	
Sphagnum Sprite	<i>Nehalennia gracilis</i>	S4	2022	181259	
Crocus Geometer Moth	<i>Xanthotype sp.</i>	S5?	2022	200133	
Beech Erineum Mite	<i>Acalitus ferrugineum</i>		2022		123634952*
Ocellate Gall Midge	<i>Acericecis ocellaris</i>		2022		
Larger Empty Oak Apple Wasp	<i>Amphibolips quercusinanis</i>		2021		80746577

PITTSBURGH SPECIES LIST

Plants

Common Name	Scientific Name	Designation	Observation Years	Species ID	iNat observation #
Stag's-horn Clubmoss	<i>Lycopodium clavatum</i>	S5	2023	2002	171282804*
Hickey's Tree-clubmoss	<i>Dendrolycopodium hickeyi</i>	S4	2023	2012	
Flat-branched Tree-clubmoss	<i>Dendrolycopodium obscurum</i>	S4	2023	2018	
Cutleaf Grapefern	<i>Sceptridium dissectum</i>	S4S5	2022	5006	141004789
Cinnamon Fern	<i>Osmundastrum cinnamomeum</i>	S5	2022	6000	152928030
Royal Fern	<i>Osmunda regalis</i>	S5	2023	6004	
Bracken Fern	<i>Pteridium aquilinum</i>	S5	2023	9102	
Spinulose Wood Fern	<i>Dryopteris carthusiana</i>	S5	2023	9320	173416417* 173416876*
Intermediate Wood Fern	<i>Dryopteris intermedia</i>	S5	2022	9334	128436350
Marginal Wood Fern	<i>Dryopteris marginalis</i>	S5	2023	9336	170955235
Sensitive Fern	<i>Onoclea sensibilis</i>	S5	2021, 2023	9370	152779078
Virginia Chain Fern	<i>Anchistea virginica</i>	S4	2023	9500	
Rock Polypody	<i>Polypodium virginianum</i>	S5	2023	9704	
Red Pine	<i>Pinus resinosa</i>	S5	2023	13020	
White Pine	<i>Pinus strobus</i>	S5	2023	13024	
Common Juniper	<i>Juniperus communis</i>	S5	2023	13500	
White Cedar	<i>Thuja occidentalis</i>	S5	2023	13508	
Grass-leaved Bur-reed	<i>Sparganium fluctuans</i>	S5	2023	15008	
Bur-reed sp.	<i>Sparganium sp.</i>		2023	15009	
Floating-leaved Pondweed	<i>Potamogeton natans</i>	S5	2022, 2023	16130	173419092* 127996498*
Red Raspberry	<i>Rubus idaeus</i>	S5	2023	16820	
Grass-leaved Arrowhead	<i>Sagittaria graminea</i>	S4	2022	19012	124567818
Broad-leaved Arrowhead	<i>Sagittaria latifolia</i>	S5	2023	19018	
Northern Shorthusk	<i>Brachyelytrum aristosum</i>	S5?	2023	22086	173417580*
Poverty Oat Grass	<i>Danthonia spicata</i>	S5	2023	22182	
Wavy Hair-Grass	<i>Avenella flexuosa</i>	S5	2023	22190	166872250*
Slender Dichanthelium	<i>Dichanthelium xanthophyllum</i>	S4	2023	22240	
Hairy Rosette Grass	<i>Dichanthelium acuminatum</i>	S5	2023	22241	
Rattlesnake Mannagrass	<i>Glyceria canadensis</i>	S5	2023	22342	
White-grained Mountain Rice-grass	<i>Oryzopsis asperifolia</i>	S5	2023	22446	
White-tinged Sedge	<i>Carex albicans</i>	S3	2023	23014	
Drooping Woodland Sedge	<i>Carex arctata</i>	S5	2023	23038	
Brownish Sedge	<i>Carex brunnescens</i>	S5	2023	23076	173416564*
Clustered Sedge	<i>Carex cumulata</i>	S4	2023	23128	173416158*
Star Sedge	<i>Carex echinata</i>	S5	2023	23156	
Nodding Sedge	<i>Carex gynandra</i>	S5	2023	23204	173417800*
Bladder Sedge	<i>Carex intumescens</i>	S5	2023	23236	173417732*
Sallow Sedge	<i>Carex lurida</i>	S4S5	2023	23282	
Tussock Sedge	<i>Carex stricta</i>	S5	2023	23418	
Blunt Broom Sedge	<i>Carex tribuloides</i>	S4	2023	23444	
Northwest Territory Sedge	<i>Carex utriculata</i>	S5	2023	23456	
Sedge sp.	<i>Carex sp.</i>		2023	23481	173417984*
Straw-colored Flatsedge	<i>Cyperus strigosus</i>	S5	2022	23538	127555507
Three-way Sedge	<i>Dulichium arundinaceum</i>	S5	2023	23540	
Tawny Cottongrass	<i>Eriophorum virginicum</i>	S5	2023	23610	
White Beak Sedge	<i>Rhynchospora alba</i>	S5	2023	23632	
Brownish Beakrush	<i>Rhynchospora capitellata</i>	S4	2023	23636	
Woolgrass	<i>Scirpus cyperinus</i>	S5	2023	23650	
Bog Yellow-eyed Grass	<i>Xyris difformis</i>	S4	2023	26000	173417700* 173418936*
Common Pipewort	<i>Eriocaulon aquaticum</i>	S5	2023	27000	
Pickeralweed	<i>Pontederia cordata</i>	S5	2023	30004	
Canada Rush	<i>Juncus canadensis</i>	S5	2023	31022	
Soft Rush	<i>Juncus effusus</i>	S5	2023	31028	
Blue Beak Lily	<i>Clintonia borealis</i>	S5	2023	32030	
Canada Mayflower	<i>Maianthemum canadense</i>	S5	2023	32058	
Solomon's Plume	<i>Maianthemum racemosum</i>	S5	2022	32062	152928895
Indian Cucumber Root	<i>Medeola virginiana</i>	S5	2023	32068	
Hairy Solomon's Seal	<i>Polygonatum pubescens</i>	S5	2023	32086	
Red Trillium	<i>Trillium erectum</i>	S5	2022	32100	152927523
Large White Trillium	<i>Trillium grandiflorum</i>	S5	2022	32104	152777844
Blue Flag Iris	<i>Iris versicolor</i>	S5	2023	36014	
Tuberous Grasspink	<i>Calopogon tuberosus</i>	S4S5	2023	39008	173418214
Pink Ladyslipper	<i>Cypripedium acaule</i>	S5	2022, 2023	39022	129197430
Checkered Rattlesnake Plantain	<i>Goodyera tessellata</i>	S5	2023	39052	173417878* 173418060* 173419009* 173828260*
Trembling Aspen	<i>Populus tremuloides</i>	S5	2023	41016	
Sweet Gale	<i>Myrica gale</i>	S5	2023	42002	
White Birch	<i>Betula papyrifera</i>	S5	2023	45020	
American Beech	<i>Fagus grandifolia</i>	S4	2023	46002	
White Oak	<i>Quercus alba</i>	S5	2023	46004	
Red Oak	<i>Quercus rubra</i>	S5	2023	46020	
Fringed Bindweed	<i>Fallopia cilinodis</i>	S5	2023	54030	
Dotted Knotweed	<i>Persicaria punctata</i>	S5	2023	54062	
Arrow-leaved Tearthumb	<i>Persicaria sagittata</i>	S4S5	2023	54070	
Sheep Sorrel	<i>Rumex acetosella</i>	SNA	2023	54086	
Yellow Water Lily	<i>Nuphar variegata</i>	S5	2023	63002	
White Water Lily	<i>Nymphaea odorata</i>	S5	2023	63006	
Watershield	<i>Brasenia schreberi</i>	S5	2023	63600	
Wild Columbine	<i>Aquilegia canadensis</i>	S5	2023	64026	
Threeleaf Goldthread	<i>Coptis trifolia</i>	S5	2023	64050	

Rock Harlequin	<i>Capnoides sempervirens</i>	S5	2023	71508	
Prickly Gooseberry	<i>Ribes cynosbati</i>	S5	2023	79506	168832182*
Common Serviceberry	<i>Amelanchier arborea</i>	S5	2023	82016	
Marsh Cinquefoil	<i>Comarum palustre</i>	S5	2023	82032	
Wild Strawberry	<i>Fragaria virginiana</i>	S5	2023	82162	
Rough Cinquefoil	<i>Potentilla norvegica</i>	S5	2023	82226	
Dwarf Raspberry	<i>Rubus pubescens</i>	S5	2023	82368	173416807*
White Spiraea	<i>Spiraea alba</i>	S5	2023	82386	
Steeplebush	<i>Spiraea tomentosa</i>	S5	2023	82398	
Marsh Pea	<i>Lathyrus palustris</i>	S5	2023	83124	
Fringed Polygala	<i>Polygala paucifolia</i>	S5	2023	91006	
Poison Ivy	<i>Toxicodendron radicans</i>	S5	2023	97010	
Staghorn Sumac	<i>Rhus typhina</i>	S5	2023	97018	
Winterberry Holly	<i>Ilex verticillata</i>	S5	2023	99002	
Mountain Holly	<i>Ilex mucronata</i>	S5	2023	99004	
Striped Maple	<i>Acer pensylvanicum</i>	S4	2023	102006	
Red Maple	<i>Acer rubrum</i>	S5	2023	102012	173417320*
Spotted Jewelweed	<i>Impatiens capensis</i>	S5	2023	105000	
Basswood	<i>Tilia americana</i>	S5	2022	108000	128507693*
Canada St. John's Wort	<i>Hypericum canadense</i>	S4	2023	111004	173415940*
Pale St. John's-wort	<i>Hypericum ellipticum</i>	S5	2023	111010	173418887*
Marsh St. John's-wort	<i>Triadenum sp.</i>		2023	111011	
Lance-leaved Violet	<i>Viola lanceolata</i>	S4	2023	115024	
Violet sp.	<i>Viola sp.</i>		2023	115025	173416288*
Purple Loosestrife	<i>Lythrum salicaria</i>	SNA	2023	121010	173416013*
Bristly Sarsaparilla	<i>Aralia hispida</i>	S5	2023	128002	
Wild Sarsaparilla	<i>Aralia nudicaulis</i>	S5	2023	128004	
Alternate-leaved Dogwood	<i>Cornus alternifolia</i>	S5	2022	130000	152927855
Bunchberry	<i>Cornus canadensis</i>	S5	2023	130006	166473693
Ghost Pipe	<i>Monotropa uniflora</i>	S5	2023	132002	174019907
Leatherleaf	<i>Chamaedaphne calyculata</i>	S5	2023	133014	
Trailing Arbutus	<i>Epigaea repens</i>	S5	2023	133016	
Wintergreen	<i>Gaultheria procumbens</i>	S5	2023	133020	171113042
Black Huckleberry	<i>Gaylussacia baccata</i>	S4	2023	133022	
Lowbush Blueberry	<i>Vaccinium angustifolium</i>	S5	2023	133040	
Swamp Candles	<i>Lysimachia terrestris</i>	S5	2023	135026	
Starflower	<i>Lysimachia borealis</i>	S5	2023	135052	
White Ash	<i>Fraxinus americana</i>	S4	2023	141004	173415123*
Little Floatingheart	<i>Nymphoides cordata</i>	S4	2023	143502	172874590*
Spreading Dogbane	<i>Apocynum androsaemifolium</i>	S5	2023	144000	
Swamp Milkweed	<i>Asclepias incarnata</i>	S5	2023	145004	
Wild Basil	<i>Clinopodium vulgare</i>	S5	2023	151026	173417273*
American Bugleweed	<i>Lycopus americanus</i>	S5	2023	151060	
Northern Bugleweed	<i>Lycopus uniflorus</i>	S5	2023	151068	
Marsh Skullcap	<i>Scutellaria galericulata</i>	S5	2023	151140	
Side-flowering Skullcap	<i>Scutellaria lateriflora</i>	S5	2023	151142	173415585*
Purple False Foxglove	<i>Agalinis purpurea</i>	S4S5	2022	153002	128436319
Narrowleaf Cow Wheat	<i>Melampyrum lineare</i>	S5	2023	153092	
Partridgeberry	<i>Mitchella repens</i>	S5	2023	161052	
Northern Bush Honeysuckle	<i>Diervilla lonicera</i>	S5	2023	162000	
American Fly Honeysuckle	<i>Lonicera canadensis</i>	S5	2023	162008	
Large-leaved Aster	<i>Eurybia macrophylla</i>	S5	2023	168190	
Devil Beggarticks	<i>Bidens frondosa</i>	S5	2023	168270	
Boneset	<i>Eupatorium perfoliatum</i>	S5	2023	168424	
Grass-leaved Goldenrod	<i>Euthamia graminifolia</i>	S5	2023	168438	
Canada Wild Lettuce	<i>Lactuca canadensis</i>	S5	2023	168560	
Perennial Sow Thistle	<i>Sonchus arvensis</i>	SNA	2022	168798	132064125
Grape Woodbine	<i>Parthenocissus vitacea</i>	S5	2023	194328	
Fibrous-rooted Sedge	<i>Carex communis</i>	S5	2023	1004821	
Little Green Sedge	<i>Carex viridula</i>	S5	2023	1008223	
Black Cherry	<i>Prunus serotina</i>	S5	2023	1010704	173415454
Reed Canary Grass	<i>Phalaris arundinacea</i>	SNA	2022	1010987	152928206

Birds

Common Name	Scientific Name	Designation	Observation Years	iNat observation #
Osprey	<i>Pandion haliaetus</i>	S5B	2023	
Yellow-bellied Sapsucker	<i>Sphyrapicus varius</i>	S5B	2023	
Hairy Woodpecker	<i>Dryobates villosus</i>	S5B	2023	
Great Crested Flycatcher	<i>Myiarchus crinitus</i>	S5B	2023	
Red-eyed Vireo	<i>Vireo olivaceus</i>	S5B	2023	
Black-capped Chickadee	<i>Poecile atricapillus</i>	S5	2023	
Winter Wren	<i>Troglodytes hiemalis</i>	S5B	2023	
American Robin	<i>Turdus migratorius</i>	S5	2023	
American Goldfinch	<i>Spinus tristis</i>	S5	2023	
Chipping Sparrow	<i>Spizella passerina</i>	S5B	2023	
Song Sparrow	<i>Melospiza melodia</i>	S5	2023	
Eastern Towhee	<i>Pipilo erythrophthalmus</i>	S4B	2023	
Common Grackle	<i>Quiscalus quiscula</i>	S5	2023	
Ovenbird	<i>Seiurus aurocapilla</i>	S5B	2023	
Common Yellowthroat	<i>Geothlypis trichas</i>	S5B	2023	
American Redstart	<i>Setophaga ruticilla</i>	S5B	2023	
Pine Warbler	<i>Setophaga pinus</i>	S5B	2023	
Yellow-rumped Warbler	<i>Setophaga coronata</i>	S5B	2023	
Prairie Warbler	<i>Setophaga discolor</i>	S2B	2023	
Black-throated Green Warbler	<i>Setophaga virens</i>	S5B	2023	
Scarlet Tanager	<i>Piranga olivacea</i>	S5B	2023	

Herpetofauna

Common Name	Scientific Name	Designation	Observation Years	Species ID	iNat observation #				
Spotted Salamander	<i>Ambystoma maculatum</i>	S4	2023	180021	173418179*				
American Toad	<i>Anaxyrus americanus</i>	S5	2022, 2023	180021	175264451*	170955245	136347734		
Green Frog	<i>Lithobates clamitans</i>	S5	2023	180033					
Northern Ringneck Snake	<i>Diadophis punctatus edwardsii</i>	S4	2022	180764	135718990				
Eastern Garter Snake	<i>Thamnophis sirtalis sirtalis</i>	S5	2023	182499	171113219	169716449	169187410	166851345	



Mammals

Common Name	Scientific Name	Designation	Observation Years	Species ID	iNat observation #
White-tailed Deer	<i>Odocoileus virginianus</i>	S5	2023		

Insects

Common Name	Scientific Name	Designation	Observation Years	Species ID	iNat observation #
Northern Pearly-Eye	<i>Lethe anthedon</i>	S5	2023	181021	
Eyed Brown	<i>Lethe eurydice</i>	S5	2023	181022	171744431
Black-shouldered Spinyleg	<i>Dromogomphus spinosus</i>	S5	2022, 2023	181115	171115548 122395346
Canada Darner	<i>Aeshna canadensis</i>	S5	2022	181136	133194289
Calico Pennant	<i>Celithemis elisa</i>	S5	2023	181181	
Slaty Skimmer	<i>Libellula incesta</i>	S4	2023	181192	171134718
Widow Skimmer	<i>Libellula luctuosa</i>	S5	2023	181193	150491417
Common Whitetail	<i>Plathemis lydia</i>	S5	2023	181198	
Swamp Spreadwing	<i>Lestes vigilax</i>	S4	2022	181229	127996495
Powdered Dancer	<i>Argia moesta</i>	S5	2023	181234	
Skimming Bluet	<i>Enallagma geminatum</i>	S4	2022	181251	126397039
Eastern Forktail	<i>Ischnura verticalis</i>	S5	2022	181257	121032739
Sedge Sprite	<i>Nehalennia irene</i>	S5	2022, 2023	181258	122396003
Pine Tree Spur-throat Grasshopper	<i>Melanoplus punctulatus</i>	S4	2022	181271	149677883
Large Lace-border Moth	<i>Scopula limboundata</i>	S5	2023	199887	171290821
Canadian Flat-back Millipede	<i>Pseudopolydesmus canadensis</i>	SNR	2023	200850	166851416
Tricolored Bumble Bee	<i>Bombus ternarius</i>	S5	2022	201380	127996503
Variable Field Ant	<i>Formica pallidefulva</i>	S4S5	2023	1263516	166851279*
Common Citronella Ant	<i>Lasius claviger</i>	S4	2023	1263525	166851157*
Dusky Stink Bug	<i>Euschistus tristigmus</i>		2023		173416233*
Olethreutine Leafroller Moths sp.	<i>Olethreutinae sp.</i>		2023		168277837*

PITTSBURGH CHANNEL AREA

Plants

Common Name	Scientific Name	Designation	Observation	Years	Species ID	iNat observation #								
Hickey's Tree-Clubmoss	<i>Dendrolycopodium hickeyi</i>	S4		2023	2012									
Cinnamon Fern	<i>Osmundastrum cinnamomeum</i>	S5		2023	6000									
Royal Fern	<i>Osmunda regalis</i>	S5		2023	6004									
Bracken Fern	<i>Pteridium aquilinum</i>	S5		2023	9102									
Spinulose Wood Fern	<i>Dryopteris carthusiana</i>	S5		2023	9320									
Marginal Wood Fern	<i>Dryopteris marginalis</i>	S5		2023	9336									
Sensitive Fern	<i>Onoclea sensibilis</i>	S5		2023	9370									
Virginia Chain Fern	<i>Anchistea virginica</i>	S4		2023	9500									
Rock Polypody	<i>Polypodium virginianum</i>	S5		2023	9704	34246548								
Balsam Fir	<i>Abies balsamea</i>	S5		2023	13000									
Tamarack	<i>Larix laricina</i>	S5		2023	13004									
Black Spruce	<i>Picea mariana</i>	S5		2023	13010									
Red Pine	<i>Pinus resinosa</i>	S5		2023	13020									
White Pine	<i>Pinus strobus</i>	S5		2023	13024									
Common Juniper	<i>Juniperus communis</i>	S5		2023	13500									
White Cedar	<i>Thuja occidentalis</i>	S5		2023	13508									
Grass-leaved Bur-reed	<i>Sparganium fluctuans</i>	S5?		2023	15008									
Red Raspberry	<i>Rubus idaeus</i>	S5		2023	16820									
Broad-leaved Arrowhead	<i>Sagittaria latifolia</i>	S5		2023	19018									
Northern Shorthusk	<i>Brachyelytrum aristosum</i>	S5?		2023	22086									
Poverty Oatgrass	<i>Danthonia spicata</i>	S5		2023	22182									
Wavy Hairgrass	<i>Avenella flexuosa</i>	S5		2023	22190									
Slender Dichanthelium	<i>Dichanthelium xanthophyllum</i>	S4		2023	22240									
Hairy Rosette Grass	<i>Dichanthelium acuminatum</i>	S5		2023	22241									
Rattlesnake Managrass	<i>Glyceria canadensis</i>	S5		2023	22342	170956011								
Rice Cutgrass	<i>Leersia oryzoides</i>	S5		2023	22388									
White-grained Mountain-Ricegrass	<i>Oryzopsis asperifolia</i>	S5		2023	22446									
Fringed Sedge	<i>Carex crinita</i>	S5		2023	23120	173441102	173410145							
Clustered Sedge	<i>Carex cumulata</i>	S4	2021, 2023	23128	173440872	110103760								
Sallow Sedge	<i>Carex lurida</i>	S4S5	2022, 2023	23282	123635327*									
Few-seeded Sedge	<i>Carex oligosperma</i>	S5		2023	23334	173406504								
Long Stalked Sedge	<i>Carex pedunculata</i>	S5	2022, 2023	23348	115979648*									
Tussock Sedge	<i>Carex stricta</i>	S5		2023	23418									
Blunt Broom Sedge	<i>Carex tribuloides</i>	S4		2023	23444	173406366*								
Northwest Territory Sedge	<i>Carex utriculata</i>	S5		2023	23456									
Sedge sp.	<i>Carex sp.</i>	S5		2023	23481	173408481*	173407636*	173405082*						
Three-way Sedge	<i>Dulichium arundinaceum</i>	S5		2023	23540									
Tawny Cotton-grass	<i>Eriophorum virginicum</i>	S5		2023	23610									
Brownish Beaked-rush	<i>Rhynchospora capitellata</i>	S4		2022	23636	142618863								
Woolgrass	<i>Scirpus cyperinus</i>	S5		2023	23650									
Three Square Bulrush	<i>Schoenoplectus pungens</i>	S5		2023	23670									
Calla Lily	<i>Calla palustris</i>	S5		2023	24006									
Common Pipewort	<i>Eriocaulon aquaticum</i>	S5		2023	27000									
Pickelweed	<i>Pontederia cordata</i>	S5		2023	30004									
Soft Rush	<i>Juncus effusus</i>	S5		2023	31028									
Canada Mayflower	<i>Maianthemum canadense</i>	S5		2023	32058									
Three-leaved False Solomon's Seal	<i>Maianthemum trifolium</i>	S5		2023	32066									
Hairy Solomon's Seal	<i>Polygonatum pubescens</i>	S5		2023	32086									
Northern Blue Flag Iris	<i>Iris versicolor</i>	S5		2023	36014									
Pink Lady's-slipper	<i>Cypripedium acaule</i>	S5		2023	39022									
Checkered Rattlesnake Plantain	<i>Goodyera tessellata</i>	S5	2021, 2023	39052	171110307*	170922700	93944756	93944599	93944572	93944543	93944515	93944492	93944476	93944412
Rose Pogonia	<i>Pogonia ophioglossoides</i>	S4S5		2022	39120	171110659								
Trembling Aspen	<i>Populus tremuloides</i>	S5		2023	41016									
Sweet Gale	<i>Myrica gale</i>	S5		2023	42002									
Speckled Alder	<i>Alnus incana</i>	S5		2023	45002									
Paper Birch	<i>Betula papyrifera</i>	S5		2023	45020									
White Oak	<i>Quercus alba</i>	S5		2023	46004									
Red Oak	<i>Quercus rubra</i>	S5		2023	46020									
Bastard Toadflax	<i>Comandra umbellata</i>	S5		2023	51000									
Fringed Bindweed	<i>Fallopia cilinodis</i>	S5		2023	54030									
Dotted Knotweed	<i>Persicaria punctata</i>	S5		2023	54062									
Arrow-leaved Tearthumb	<i>Persicaria sagittata</i>	S4S5		2023	54070									
Sheep Sorrel	<i>Rumex acetosella</i>	SNA		2023	54086									
Yellow Water Lily	<i>Nuphar variegata</i>	S5		2023	63002									
White Water Lily	<i>Nymphaea odorata</i>	S5		2023	63006									
Watershield	<i>Brasenia schreberi</i>	S5		2023	63600									
Rock Harlequin	<i>Capnoides sempervirens</i>	S5		2023	71508									
Northern Purple Pitcher Plant	<i>Sarracenia purpurea purpurea</i>	S5		2023	75000									
Spoon-leaved Sundew	<i>Drosera rotundifolia</i>	S5		2023	76006									
Common Serviceberry	<i>Amelanchier arborea</i>	S5		2023	82016									
Marsh cinquefoil	<i>Comarum palustre</i>	S5		2023	82032									
Wild Strawberry	<i>Fragaria virginiana</i>	S5		2023	82162									
White Spiraea	<i>Spiraea alba</i>	S5		2023	82386									
Steeplebush	<i>Spiraea tomentosa</i>	S5		2023	82398									
Fringed Polygala	<i>Polygaloides paucifolia</i>	S5		2023	91006									
Winterberry Holly	<i>Ilex verticillata</i>	S5		2023	99002									
Mountain Holly	<i>Ilex mucronata</i>	S5		2023	99004									
Red Maple	<i>Acer rubrum</i>	S5		2023	102012									
Silver Maple	<i>Acer saccharinum</i>	S5		2023	102014									
Spotted Jewelweed	<i>Impatiens capensis</i>	S5		2023	105000									
Lance-leaved Violet	<i>Viola lanceolata</i>	S4		2023	115024									
Fireweed	<i>Chamaenerion angustifolium</i>	S5		2023	125010									
Wild Sarsaparilla	<i>Aralia nudicaulis</i>	S5		2023	128004									
Bunchberry	<i>Cornus canadensis</i>	S5		2023	130006									
Leatherleaf	<i>Chamaedaphne calyculata</i>	S5	2021, 2023	133014	90554611									
Trailing Arbutus	<i>Epigaea repens</i>	S5		2023	133016									
Wintergreen	<i>Gaultheria procumbens</i>	S5		2023	133020									
Black Huckleberry	<i>Gaylussacia baccata</i>	S4		2023	133022									
Lowbush Blueberry	<i>Vaccinium angustifolium</i>	S5		2023	133040									
American Cranberry	<i>Vaccinium macrocarpon</i>	S4		2023	133046	173441456*								
Swamp Candles	<i>Lysimachia terrestris</i>	S5		2023	135026									
Starflower	<i>Lysimachia borealis</i>	S5		2023	135052									
Blue Vervain	<i>Verbena hastata</i>	S5		2023	150006									
American Bugleweed	<i>Lycopus americanus</i>	S5		2023	151060									
Northern Bugleweed	<i>Lycopus uniflorus</i>	S5		2023	151068									
Narrowleaf Cow Wheat	<i>Melampyrum lineare</i>	S5		2023	153092	170997983								
Partridgeberry	<i>Mitchella repens</i>	S5		2023	161052									
Large-leaved Aster	<i>Eurybia macrophylla</i>	S5		2023	168190									
Boneset	<i>Eupatorium perfoliatum</i>	S5		2023	168424									

Birds				
Common Name	Scientific Name	Designation	Observation Years	Species ID iNat observation #
Canada Goose	<i>Branta canadensis</i>	S5	2021, 2022	
Wood Duck	<i>Aix sponsa</i>	S5B	2020, 2021, 2022, 2023	
Mallard	<i>Anas platyrhynchos</i>	S5	2021, 2022, 2023	
Ring-necked Duck	<i>Aythya collaris</i>	S5B	2021	
Bufflehead	<i>Bucephala albeola</i>	S5	2021	
Common Merganser	<i>Mergus merganser</i>	S5B	2020, 2021	
Ruffed Grouse	<i>Bonasa umbellus</i>	S5	2020, 2021, 2022, 2023	
Common Nighthawk	<i>Chordeiles minor</i>	S4B, SARO SC, COSEWIC THR	2021, 2022	
Sandhill Crane	<i>Antigone canadensis</i>	S5B	2020, 2021, 2022	
Spotted Sandpiper	<i>Actitis macularius</i>	S5B	2020	
Herring Gull	<i>Larus argentatus</i>	S4B	2021	
Common Loon	<i>Gavia immer</i>	S5	2021	
Double-crested Cormorant	<i>Nannopterum auritum</i>	S5B	2019, 2020, 2021	
Great Blue Heron	<i>Ardea herodias</i>	S4	2020, 2021, 2022, 2023	
Turkey Vulture	<i>Cathartes aura</i>	S5B	2020, 2021, 2022, 2023	
Osprey	<i>Pandion haliaetus</i>	S5B	2020	
Broad-winged Hawk	<i>Buteo platypterus</i>	S5B	2020	
Red-tailed Hawk	<i>Buteo jamaicensis</i>	S5	2021	
Belted Kingfisher	<i>Megaceryle alcyon</i>	S5B	2019, 2021	
Yellow-bellied Sapsucker	<i>Sphyrapicus varius</i>	S5B	2020, 2022, 2023	
Downy Woodpecker	<i>Dryobates pubescens</i>	S5	2021	
Hairy Woodpecker	<i>Dryobates villosus</i>	S5	2020, 2022	
Pileated Woodpecker	<i>Dryocopus pileatus</i>	S5	2020, 2021, 2022	
Northern Flicker	<i>Colaptes auratus</i>	S5B	2019, 2020, 2021, 2022, 2023	
Merlin	<i>Falco columbarius</i>	S5B	2019, 2020	
Eastern Wood-Pewee	<i>Contopus virens</i>	S4B, SARO SC, COSEWIC SC	2021, 2022, 2023	
Least Flycatcher	<i>Empidonax minimus</i>	S5B	2020	
Eastern Phoebe	<i>Sayornis phoebe</i>	S5B	2019, 2020, 2021	
Great Crested Flycatcher	<i>Myiarchus crinitus</i>	S5B	2020, 2021, 2023	
Eastern Kingbird	<i>Tyrannus tyrannus</i>	S5B	2020, 2023	
Blue-headed Vireo	<i>Vireo solitarius</i>	S5B	2020, 2021, 2022, 2023	
Red-eyed Vireo	<i>Vireo olivaceus</i>	S5B	2020, 2021, 2022, 2023	
Blue Jay	<i>Cyanocitta cristata</i>	S5	2020, 2021, 2022, 2023	
American Crow	<i>Corvus brachyrhynchos</i>	S5	2021	
Common Raven	<i>Corvus corax</i>	S5	2020	
Black-capped Chickadee	<i>Poecile atricapillus</i>	S5	2019, 2020, 2021, 2023	
Tree Swallow	<i>Tachycineta bicolor</i>	S5B	2020, 2021	
Red-breasted Nuthatch	<i>Sitta canadensis</i>	S5	2020, 2021, 2022, 2023	
White-breasted Nuthatch	<i>Sitta carolinensis</i>	S5	2021	
Winter Wren	<i>Troglodytes hiemalis</i>	S5B	2020, 2023	
Gray Catbird	<i>Dumetella carolinensis</i>	S5B	2020, 2021	
Brown Thrasher	<i>Toxostoma rufum</i>	S5B	2020, 2022, 2023	
Veery	<i>Catharus fuscescens</i>	S5B	2020, 2021, 2022, 2023	
Swainson's Thrush	<i>Catharus ustulatus</i>	S5B	2020	
Hermit Thrush	<i>Catharus guttatus</i>	S5B	2020	
American Robin	<i>Turdus migratorius</i>	S5	2020, 2021, 2022, 2023	
Cedar Waxwing	<i>Bombycilla cedrorum</i>	S5B	2019	
Purple Finch	<i>Haemorhous purpureus</i>	S5	2023	
American Goldfinch	<i>Spinus tristis</i>	S5	2020	
Chipping Sparrow	<i>Spizella passerina</i>	S5B	2020, 2021, 2022, 2023	
White-throated Sparrow	<i>Zonotrichia albicollis</i>	S5	2020, 2021, 2022, 2023	
Savannah Sparrow	<i>Passerculus sandwichensis</i>	S5B	2020	
Song Sparrow	<i>Melospiza melodia</i>	S5	2020, 2021, 2022, 2023	
Swamp Sparrow	<i>Melospiza georgiana</i>	S5B	2020, 2022, 2023	
Eastern Towhee	<i>Pipilo erythrophthalmus</i>	S4B	2020, 2021, 2022, 2023	
Baltimore Oriole	<i>Icterus galbula</i>	S5B	2021	
Red-winged Blackbird	<i>Agelaius phoeniceus</i>	S5	2020, 2021, 2022	
Rusty Blackbird	<i>Euphagus carolinus</i>	S4B, SARO SC, COSEWIC SC	2021	
Common Grackle	<i>Quiscalus quiscula</i>	S5	2020, 2021, 2023	
Ovenbird	<i>Seiurus aurocapilla</i>	S5B	2020, 2021, 2022, 2023	
Northern Waterthrush	<i>Parkesia noveboracensis</i>	S5B	2021	
Black-and-white Warbler	<i>Mniotilta varia</i>	S5B	2020, 2021, 2023	
Nashville Warbler	<i>Leiothlypis ruficapilla</i>	S5B	2020, 2021, 2022, 2023	

Common Yellowthroat	<i>Geothlypis trichas</i>	S5B	2020, 2021, 2022, 2023
American Redstart	<i>Setophaga ruticilla</i>	S5B	2021, 2022, 2023
Northern Parula	<i>Setophaga americana</i>	S5B	2020
Magnolia Warbler	<i>Setophaga magnolia</i>	S5B	2020
Chestnut-sided Warbler	<i>Setophaga pensylvanica</i>	S5B	2020, 2021, 2023
Black-throated Blue Warbler	<i>Setophaga caerulescens</i>	S5B	2020
Palm Warbler	<i>Setophaga palmarum</i>	S5B	2020
Pine Warbler	<i>Setophaga pinus</i>	S5B	2020, 2021, 2022, 2023
Yellow-rumped Warbler	<i>Setophaga coronata</i>	S5B	2020, 2021, 2022
Prairie Warbler	<i>Setophaga discolor</i>	S2B	2020, 2021
Black-throated Green Warbler	<i>Setophaga virens</i>	S5B	2020, 2021, 2022, 2023
Scarlet Tanager	<i>Piranga olivacea</i>	S5B	2021, 2022

Herpetofauna

Common Name	Scientific Name	Designation	Observation Years	Species ID	iNat observation #
Green Frog	<i>Lithobates clamitans</i>	S5	2023	180033	
Northern Leopard Frog	<i>Lithobates pipiens</i>	S5	2023	180036	

Insects

Common Name	Scientific Name	Designation	Observation Year	Species ID	iNat observation #
Indian Skipper	<i>Hesperia sassacus</i>	S4	2022	180848	121900540
Juvenal's Duskywing	<i>Erynnis juvenalis</i>	S5	2021	180856	81104273
Least Skipper	<i>Ancyloxypha numitor</i>	S5	2023	180871	
Hobomok Skipper	<i>Lon hobomok</i>	S5	2019	180890	168689256
Cabbage White	<i>Pieris rapae</i>	SNA	2023	180919	
Striped Hairstreak	<i>Satyrium liparops</i>	S5	2023	180949	170955033 1.28E+08
Eastern Pine Elfin	<i>Callophrys niphon</i>	S5	2019	180958	168688249
Harris's Checkerspot	<i>Chlosyne harrisii</i>	S4	2021	180996	83998300
Lancet Clubtail	<i>Phanogomphus exilis</i>	S5	2022	181122	121900536*
Ashy Clubtail	<i>Phanogomphus lividus</i>	S4	2022	181124	121900533* 81104274*
Dragonhunter	<i>Hagenius brevistylus</i>	S5	2019	181129	29079013 29078440
Common Green Darner	<i>Anax junius</i>	S5	2023	181147	
Springtime Darner	<i>Basiaeschna janata</i>	S5	2022	181149	121900537
Stream Cruiser	<i>Didymops transversa</i>	S4	2020	181154	59223680
American Emerald	<i>Cordulia shurtleffii</i>	S5	2022	181157	121900539 59223681
Racket-tailed Emerald	<i>Dorocordulia libera</i>	S5	2019, 2020, 2023	181158	59223678 29079904
Calico Pennant	<i>Celithemis elisa</i>	S5	2019, 2021, 2023	181181	83998288 1.73E+08 8.4E+07 2.9E+07
Frosted Whiteface	<i>Leucorrhinia frigida</i>	S5	2019, 2021	181186	83998289 29079760
Belted Whiteface	<i>Leucorrhinia proxima</i>	S5	2020	181191	59224407
Slaty Skimmer	<i>Libellula incesta</i>	S4	2021, 2023	181192	83998301
Widow Skimmer	<i>Libellula luctuosa</i>	S5	2021, 2023	181193	83998282
Twelve-spotted Skimmer	<i>Libellula pulchella</i>	S5	2023	181194	
Four-spotted Skimmer	<i>Libellula quadrimaculata</i>	S5	2023	181195	
Common Whitetail	<i>Plathemis lydia</i>	S5	2019, 2021, 2023	181198	83998283 29078439
Chalk-fronted Corporal	<i>Ladona julia</i>	S5	2021, 2023	181199	81021296
Elfin Skimmer	<i>Nannothemis bella</i>	S4	2023	181200	173405542
Skimming Bluet	<i>Enallagma geminatum</i>	S4	2022	181251	127823417
Sedge Sprite	<i>Nehalennia irene</i>	S5	2023	181258	
Sphagnum Sprite	<i>Nehalennia gracilis</i>	S4	2023	181259	
Lilypad Clubtail	<i>Arigomphus furcifer</i>	S4, N3	2021	181268	83998281
Chesnut-marked Pondweed Moth	<i>Paraponyx badiusalis</i>	S5?	2023	187846	173399741*
<i>Laphria thoracica</i>	<i>Laphria thoracica</i>	SNR	2021	194310	83998295
Spring Tree-Top Flasher	<i>Pyraclomena borealis</i>	S4S5	2023	197200	173404760*
Virginia Ctenucha Moth	<i>Ctenucha virginica</i>	S5	2023	198568	
Rannock Looper Moth	<i>Macaria brunneata</i>	S4S5	2021	199179	83998290
Yellow-washed Metarranthis Moth	<i>Metarranthis obfirmaria</i>	S4	2021	199352	81021297
Bald Faced Hornet	<i>Dolichovespula maculata</i>	S4	2023	201400	
White Admiral	<i>Limenitis arthemis arther</i>	S5	2021	1010468	83998294

Mammals

Common Name	Scientific Name	Designation	Observation Years	Species ID	iNat observation #
Beaver	<i>Castor canadensis</i>	S5	2023	180693	
White-tailed Deer	<i>Odocoileus virginianus</i>	S5	2023	180741	
Moose	<i>Alces americanus</i>	S5	2023	180742	



## Appendix 2

### Photos of Lands and Species (2022-2023)

Photos by Eleanor Proctor & other GBLT staff



Mating Massasauga  
Rattlesnakes



Leatherleaf sphagnum Bog



Ribbon Snake



One of many Interior wetlands



Midland Painted Turtle



Blandings Turtle



Sandhill Cranes



Northern Map Turtles



Whip-poor-will nest



Coastal Marsh



One of many coastal marshes



Foxsnake



Five-lined skink



Spotted Turtle (END)



Coastal Marsh



One of many coastal marshes



Foxsnake (THR)



Five-lined skink (SC)



Mating Massasauga Rattlesnakes (THR)



Leatherleaf sphagnum Bog



Ribbon Snake (SC)



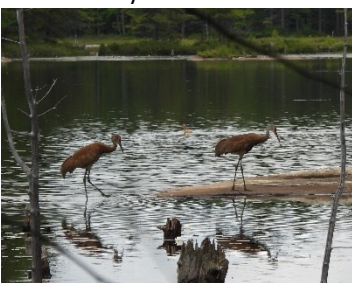
One of many Interior wetlands



Midland Painted Turtle (SSC)



Blandings Turtle (THR)



Sandhill Cranes



Northern Map Turtles (SC)



Whip-poor-will nest (THR)