APPENDIX A

NOVA SCOTIA REGISTRY OF JOINT STOCKS

NOVA SCOTIA
Registry of Joint Stock Companies

Electronically signed by:
Office of the Registrar of Joint Stock Companies
Date: 18 March 2026 14:14 ADT
Location: Nova Scotia, Canada
Contact: rjsc@novascotia.ca

Entity Snapshot

Entity details

Information as of	18 March 2026
Registry ID	3341581
Business/Organization Name	3341581 NOVA SCOTIA LIMITED
Incorporation Date	22 October 2020
Annual Return due Date	31 October 2026
Type	Limited Company
Status	Active
Registered Office	874 MAIN ST, KINGSTON, NOVA SCOTIA, B0P 1R0, CANADA
Mailing Address	PO BOX 1478, MIDDLETON, NOVA SCOTIA, B0S 1P0, CANADA

Directors and Officers

Name	Position
CRAIG PARSONS	Director, President, Secretary

Recognized Agent

Name	Position	Civic Address	Mailing Address
CRIS SHIRRITT	Recognized Agent	458 MAIN STREET KENTVILLE NOVA SCOTIA B4N 1K8 CANADA	PO BOX 457 KENTVILLE NOVA SCOTIA B4N 3X3 CANADA

APPENDIX B

RECLAMATION PLAN (BLOCKS 1-4)

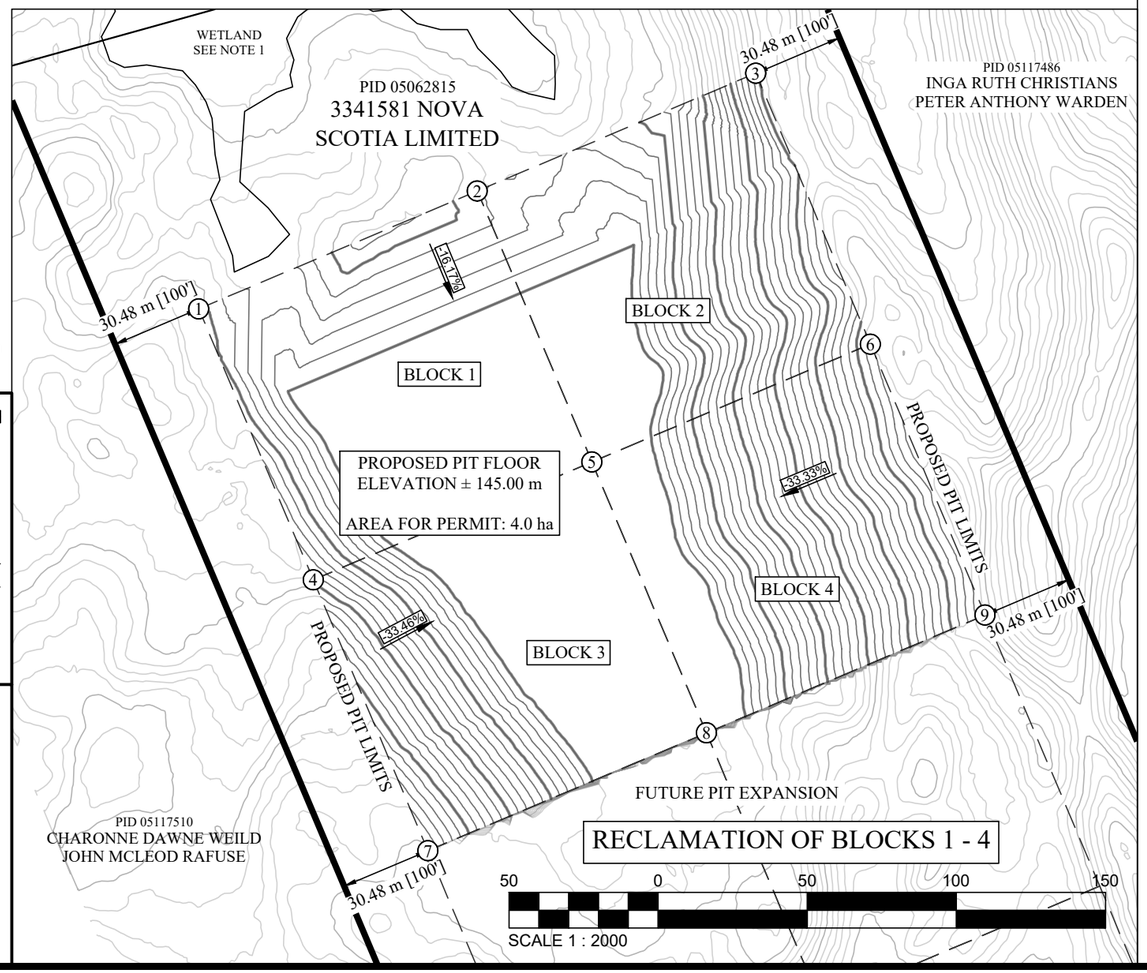
SKETCH 1

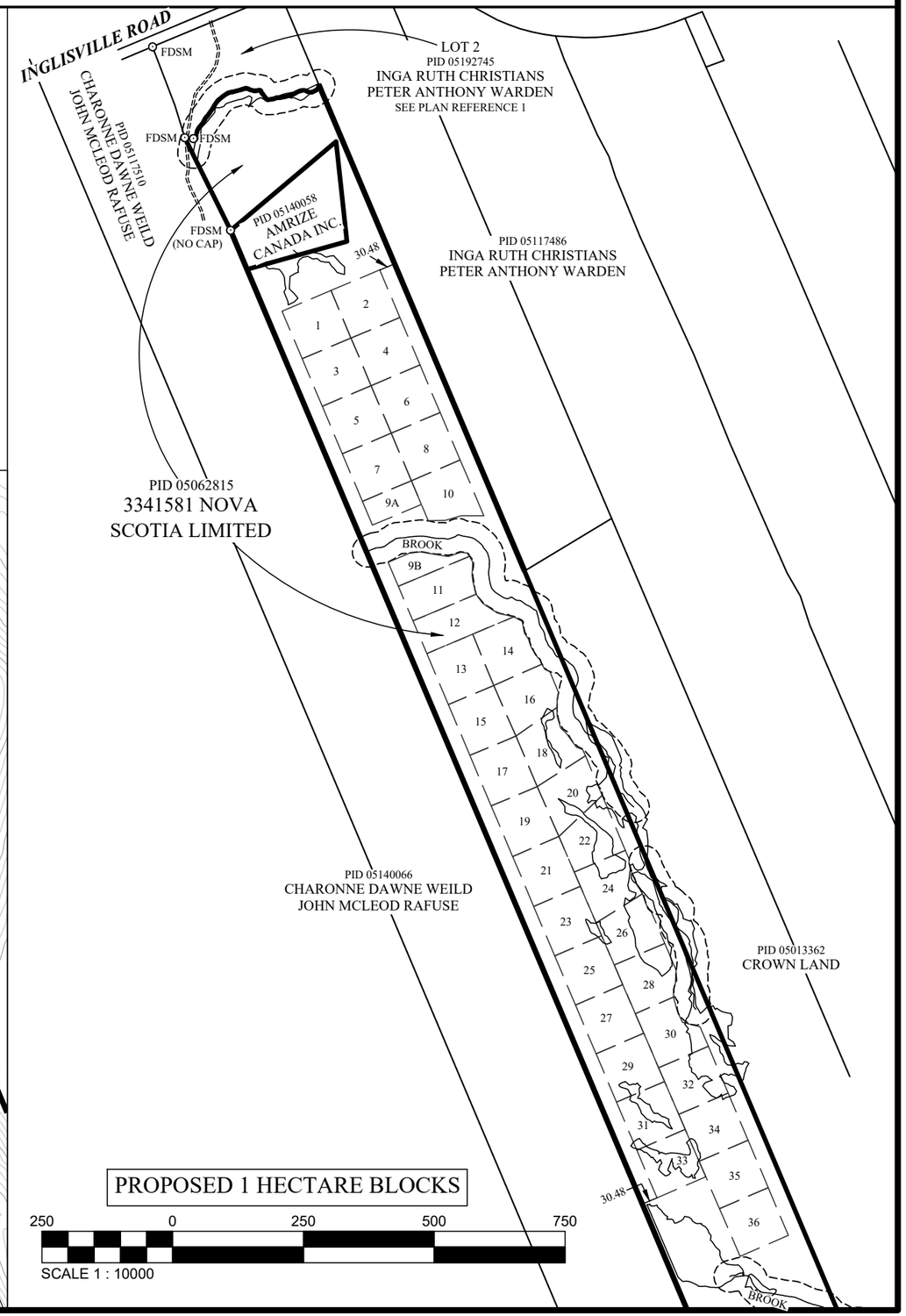
SKETCH SHOWING
PROPOSED 1 HECTARE BLOCKS TO REPRESENT PIT AREA
& RECLAMATION CONDITIONS OF BLOCKS 1 - 4
ON PID 05062815
LANDS CONVEYED TO
3341581 NOVA SCOTIA LIMITED
NEAR INGLISVILLE ROAD
WEST INGLISVILLE
ANNAPOLIS COUNTY

NOTES:
1) LOCATION OF WATERCOURSES AND WET AREAS WERE DETERMINED BY FRAXINUS ENVIRONMENTAL & GEOMATICS LIMITED.

PIT EXTENTS COORDINATE TABLE
NAD83 (CSRS) 2010, UTM20

	EASTING	NORTHING
1	330644.855	4968183.736
2	330739.064	4968221.548
3	330833.047	4968259.270
4	330681.587	4968092.218
5	330775.695	4968129.975
6	330869.798	4968167.747
7	330718.326	4968000.684
8	330812.431	4968038.471
9	330906.547	4968076.230





SCALE 1:2000 & 1:10000
DATE: JULY 17, 2026
REVISED:
PLAN No. 2026-035_SK-1 Reclaimation

LEGEND

POLE STAKE	PS ⊞
ANCHOR STAKE	AS ⧫
SURVEY MARKER	SM
IRON PIPE	IP
WITNESS	WIT
FOUND	FD
UTILITY POLE	UP
OVERHEAD WIRES	OHW
NOT TO SCALE	
FIELD MEASUREMENT	F
PLAN MEASUREMENT	P
DEED MEASUREMENT	D
PROPERTY BOUNDARY	

DeWOLFE & MORSE SURVEYING AND ENGINEERING LIMITED

PO BOX 520
MIDDLETON
NOVA SCOTIA
B0S 1P0
info@demosl.ca

S:\2026\2026035\CAD\2026035C3D.dwg PLOTTED: July 17, 2026 9:56:13 AM

APPENDIX C

ENGAGEMENT MATERIALS

APPENDIX C-1

PROJECT DESCRIPTION

INGLISVILLE ROAD PIT PROJECT DESCRIPTION

OVERVIEW

Fraxinus Environmental & Geomatics Limited has been retained by 3341581 Nova Scotia Limited (the Proponent) to prepare an Environmental Assessment (EA) for the Inglisville Road Pit Project (the Project). 3341581 Nova Scotia Limited is a locally owned and operated company based in Kingston, Nova Scotia, that will begin to provide aggregate for local excavation and construction projects throughout Annapolis County and surrounding areas. The Proponent has experience in aggregate extraction and land rehabilitation and is committed to compliance with applicable regulatory requirements and the implementation of environmentally responsible practices.

The Project proposes the development of a new sand and gravel extraction operation on lands located along Inglisville Road in West Inglisville, Annapolis County, Nova Scotia. The Project Site encompasses approximately 76 hectares (ha) and includes areas under consideration for aggregate extraction and associated site infrastructure, as required.

While the overall Project Site is large, extraction activities will be developed gradually and confined to smaller, defined areas at any given time. Extraction will be phased to limit disturbance, with progressive reclamation implemented as areas are completed and phased out of active use.

The purpose of the Project is to supply aggregate materials to local and regional markets and to support ongoing construction and infrastructure needs. Proposed activities may include sand and gravel extraction and processing, stockpiling, transportation, and site management. Blasting is not routinely required but may occur on a limited and infrequent basis if necessary to facilitate aggregate extraction.

The Project is located on lands owned by the Proponent on Inglisville Road, Annapolis County, Nova Scotia, comprising PID 05062815 (Figure PD-1). The extent and phasing of any future development within these lands will be refined through the EA and subsequent permitting processes.

A dedicated Project website is available for additional information and can be accessed using the link or QR code below.

https://www.fraxinusenviro.com/inglisvillerd

PROJECT OBJECTIVE AND SCOPE

The primary objective of the Project is to support the establishment of a sand and gravel extraction operation to meet local and regional demand for aggregate materials.

The scope of the Project includes site preparation, sand and gravel extraction, processing through screening and occasional crushing, stockpiling of materials, and progressive site reclamation to minimize long-term environmental effects.

The Project aims to:

- Support the supply of aggregate materials to local markets;
- Operate in compliance with provincial environmental standards;
- Implement best practices for minimizing environmental impact; and
- Reclaim the site to ensure safety and environmental integrity compatible with the surrounding environment.

LOCATION AND SITE DETAILS

The Project Site encompasses approximately 76 ha and includes lands under consideration for future sand and gravel pit development and associated activities. The Project Site is situated in a predominantly rural area with mixed land use, including residential, agricultural, and forested areas (Figure PD-2). The Project is located on Inglisville Road, in West Inglisville, Annapolis County, Nova Scotia, approximately 3.7 km south of the Village of Lawrencetown and 12 km southwest of the Town of Middleton. Highway 101 lies approximately 6 km north of the Project Site, and Highway 1 (the Evangeline Trail) lies approximately 3.7 km north. The Project Site is accessed via a private driveway connecting to Inglisville Road and extending south to the Project Site.

The Project Site lies within two ecodistricts: the majority of the Project Site lies within Ecodistrict 720 (South Mountain), and a small portion of the central-eastern area lies within Ecodistrict 710 (Valley Slope). Further, the Project Site is located within the Annapolis River Primary and Secondary Watersheds. Surface water features within and adjacent to the Project Site include watercourses and wetland habitat. Desktop review and field studies have identified these features within the Project Site, and they will be protected in accordance with applicable provincial requirements.

PROJECT COMPONENTS

Key components of the undertaking include:

- **Extraction Areas:** Designated areas for sand and gravel extraction within the Project Site. The specific extent and sequencing of extraction areas will be refined through the EA and subsequent permitting processes.

- **Material Processing:** On-site processing activities may include screening and occasional crushing of aggregate materials using mobile equipment. Processing methods will be tailored to project needs and market demand. Aggregate washing is not currently proposed but may be considered in the future, subject to applicable regulatory approvals.
- **Site Equipment:** Typical equipment that will be used at the site includes the following:
    - Excavators
    - Front-end loaders
    - Mobile screening and crushing units
    - Haul trucks
    - Dozers
    - Graders
    - Other support vehicles (e.g., water truck for dust control)

  Equipment may be stored on site during off-season periods.

- **Product Stockpiling Areas:** Designated areas within the Project Site will be used for the temporary stockpiling of sand, gravel, and other aggregate products generated through extraction and processing activities.
- **Reclamation Material Stockpiling Areas:** Native topsoil and organic materials salvaged during site preparation will be stockpiled for use in progressive reclamation activities. Grubbings and woody debris may also be stockpiled and managed in accordance with applicable regulatory requirements, with material reused where feasible to support site rehabilitation.
- **Access Roads:** Access to the Project Site is currently provided via an existing private access road connecting to Inglisville Road, which will be maintained and, where necessary, upgraded to support Project operations.
- **Water Management:** Surface water management measures will be implemented to manage runoff and reduce erosion and sedimentation. Stormwater is anticipated to be managed through on-site drainage features and infiltration into native soils, as appropriate. Excavation activities are anticipated to remain above the groundwater table. Erosion and sediment control measures will be implemented as required during site development and operation.
- **Environmental Protection Measures:** Vegetated buffers will be maintained around identified watercourses in accordance with applicable regulatory requirements. Erosion and sediment control measures will be implemented as required during site development and operation. Berms will be constructed around the pit area and will be incorporated in future expansion areas where the Project abuts neighbouring property lines for safety and noise abatement. Dust control measures may include the application of water and approved chloride mixtures using a water truck on access roads and active work areas, as required during operations.

ACTIVITIES

The primary activities associated with the Project include:

- **Site Preparation:** Clearing vegetation and grading land within areas proposed for aggregate extraction and stockpiling. Organic materials and topsoil may be salvaged for use in progressive reclamation.
- **Extraction Operations:** Using mechanical equipment such as excavators, loaders, and trucks to extract sand and gravel and transport it to mobile processing units.
- **Blasting:** Blasting may be used on a limited and infrequent basis if required to facilitate aggregate extraction in localized areas. Any blasting would be conducted under the supervision of a qualified blasting engineer in accordance with applicable provincial regulations and industry best practices, including the development of site-specific blasting plans and the implementation of appropriate safety, notification, and monitoring measures.
- **Processing:** Sorting and screening extracted materials to meet aggregate product specifications using mobile processing units. Sand will be filtered and graded, while stones will be crushed using mobile processing units to create the desired aggregate material size. Aggregate washing is not currently proposed but may be considered in the future, subject to applicable regulatory approvals.
- **Stockpiling:** Temporary storage of sand, gravel, crusher dust, and salvaged topsoil on-site. Organic materials, woody debris, and grubbings may be stockpiled and managed to support reclamation activities.
- **Aggregate Quantification:** Products will be measured by weight using weight stations prior to sale.
- **Transportation:** Hauling materials to local markets in Kings, Annapolis, and Hants counties using trucks or semi-trailer trucks as required. Some aggregate may be sold in the Halifax area as well, depending on business opportunity.
- **Environmental Setbacks:** A 30 m vegetated buffer will be maintained around identified watercourses in accordance with applicable provincial regulatory requirements.

SITE RECLAMATION

Reclamation activities will be implemented concurrently with extraction through a program of progressive reclamation, whereby disturbed areas are stabilized and rehabilitated as pit development advances and individual extraction areas are phased out of active operations. Topsoil, organic material, and woody debris will be salvaged during site preparation and stockpiled for use in progressive reclamation. Some woody debris may be managed through controlled burning to enrich topsoil stockpiles.

Progressive reclamation measures will be refined over time and incorporated into amendments to the site's Industrial Approval, as required, to reflect changes in active extraction areas and the rehabilitation of completed pit areas. Reclamation activities are intended to return disturbed areas to a stable condition compatible with surrounding land uses and the natural environment.

The majority of the site is expected to be re-naturalized following completion of extraction activities, allowing forested vegetation to re-establish and supporting long-term ecological function. Portions of the Project Site may be considered for future development, subject to future planning and regulatory approvals.

Closure activities will include the removal of equipment, final grading, re-vegetation of disturbed areas, and post-closure monitoring to confirm the effectiveness of reclamation measures. Additional details regarding these measures will be provided as part of the EA and associated mitigation planning.

PROJECT TIMELINE

Public consultation for the Project and engagement with the Mi'kmaq will be ongoing throughout early 2026, and an EA registration document will be submitted to NSECC for the Project in Summer 2026.

The Project is proposed to be developed in stages over an anticipated operational lifespan of approximately 20 to 40 years.

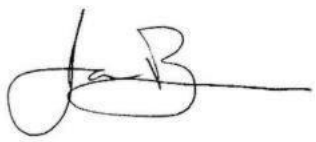
Progressive reclamation will occur throughout the life of the Project, ensuring that disturbed areas are restored in a phased manner. Upon completion of pit operations, final decommissioning and site rehabilitation will be carried out, with ongoing monitoring to confirm the effectiveness of reclamation measures.

CLOSURE

We would be pleased to meet with you to discuss the Inglisville Road Pit Project, and we welcome your comments and questions. Please contact us to arrange a meeting, or submit inquiries via email to:

engagement@fraxinusenviro.com

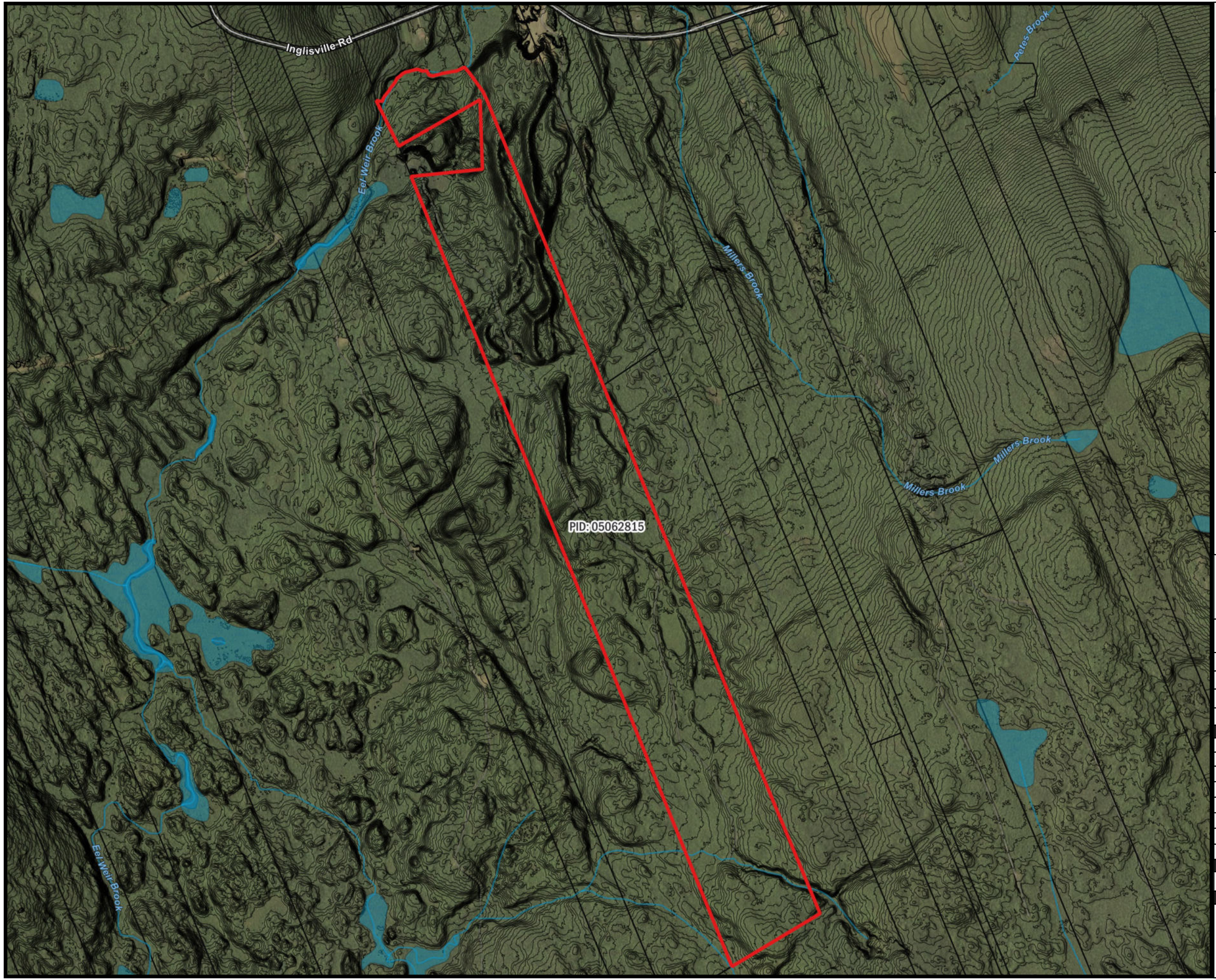
Sincerely,





Ian Bryson, M.Sc.
President & Senior Scientist
Fraxinus Environmental & Geomatics Limited
902-225-4021
ibryson@fraxinusenviro.com

Scott Dickey, MREM
Senior Scientist
Fraxinus Environmental & Geomatics Limited
902-438-2483
sdickey@fraxinusenviro.com





fraxinus
ENVIRONMENTAL & GEOMATICS

- Subject Property
- Property Lines
- NSHN Water Lines
- Contour Line (1 metre)

3341581 Nova Scotia Limited

Inglisville Road Pit Project - Project Description

Project Properties

Project #: 2025-007	**Drawing:** **PD-1**
Drawn: CN	
Checked: SD	
Approved: SD	**Date:** 2026-02-19

Revision or Issue

No.	Description	Date	By
00	Final Map	2026-02-19	CN

Notes

Project Location: Inglisville Road, Inglisville, Annapolis County, Nova Scotia

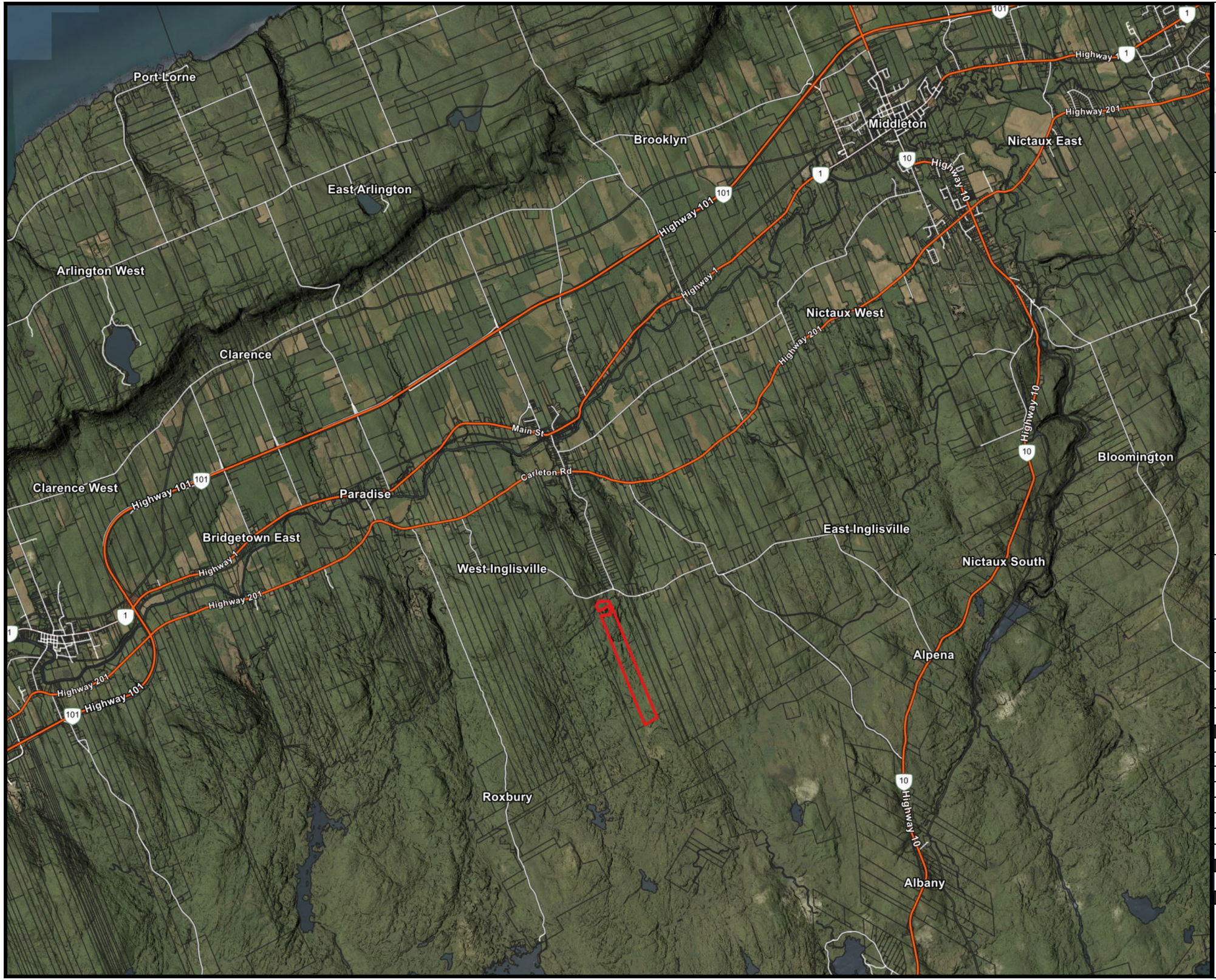
Map Parameters

CRS: EPSG:2961 / NAD83(CSRS) / UTM zone 20N
Projection: Universal Transverse Mercator (UTM)
Units: Metres
Basemap: ESRI World Imagery; ESRI Light Grey Base; ESRI Hybrid Reference Layer; NS LiDAR Hillshade
Sources: Nova Scotia Property Records Database (NSPRD); GeoNOVA; Nova Scotia Hydrographic Network (NSHN)

Scale: 1:11,000 when printed at 11"x17"

0 150 300 m

N





fraxinus
ENVIRONMENTAL & GEOMATICS

Subject Property
Property Lines

3341581 Nova Scotia Limited

Inglisville Road Pit Project - Project Description

Project Location

Project #: 2025-007	**Drawing:** **PD-2**
Drawn: CN	
Checked: SD	
Approved: SD	**Date:** 2026-02-19

Revision or Issue

00	Final Map	2026-02-19	CN
No.	**Description**	**Date**	**By**

Notes

Project Location: Inglisville Road, Inglisville, Annapolis County, Nova Scotia

Map Parameters

CRS: EPSG:2961 / NAD83(CSRS) / UTM zone 20N
Projection: Universal Transverse Mercator (UTM)
Units: Metres
Basemap: ESRI World Imagery; ESRI Light Grey Base; ESRI Hybrid Reference Layer; NS LiDAR Hillshade
Sources: Nova Scotia Property Records Database (NSPRD); GeoNOVA

Scale: 1:76,000 when printed at 11"x17"

0 1 2 km

N

APPENDIX C-2

BLOMIDON NATURALISTS SOCIETY – WRITTEN SUBMISSION

Blomidon Naturalists Society
P.O. Box 2350, Wolfville NS B4P 2N5
info@blomidonnaturalists.ca

April 28, 2026

Re: Inglisville Road Pit Project: Engagement - Blomidon Naturalists Society

Response

1. The project description is no further ahead than the previous one, it contains no detailed description of the environment.
2. The proposed Environmental Assessment should contain the following **hydrogeological** details:
   a) A detailed topographic map showing the relationship between the proposed areas for excavation, the surface water features such as streams, wetlands and springs;
   b) A geological map showing the relationship between the proposed excavated material and the overlying and underlying materials;
   c) A map showing groundwater contours; current and proposed public and domestic water supply wells, and accompanied by a table showing the distances between these wells, their aquifer lithologies and screen depths and the nearest part of the excavation;
   d) A detailed series of cross-sections, both longitudinal and transverse to the property, showing the current topographic surface, the maximum seasonal groundwater surface, and the proposed depth and extent of excavations;
   e) An indication of the thickness of a proposed buffer between the bottom of the excavation and the groundwater. Such a buffer would partially protect the quality of the underlying from potential contamination. Partially, because the retardation potential of sand and hydrocarbons is minimal;
   f) A management plan showing the actions to be taken should groundwater either enter the buffer thickness, or, enter the bottom of the pit;
   g) A management plan showing what process must be invoked should hydraulic fluid or petroleum be spilt within or beside the excavated area.

3. The proposed Environmental Assessment should contain the following **biodiversity** details:
   a) A breeding (nesting) migratory bird survey of the proposed work site;

b) The project website indicates the trail camera presence of bobcat, coyote, and black bear. An assessment of the effects of the proposed excavation on these and other fauna would indicate whether the proposed excavation is a hazard to these animals. For example, are any species over-wintering in the proposed excavation area?
c) A rare plant survey of the proposed excavation, soil and product storage sites and site management building sites;
d) An assessment of the age distribution and species of trees on the site that would need removal were the proposed excavation go ahead;
e) An assessment of the risks to turtle, salamander, fish and other species, both on land and in freshwater, were the proposed excavation go ahead.

APPENDIX C-3

OPEN HOUSE NOTICE

fraxinus
ENVIRONMENTAL & GEOMATICS

Please join us:

Inglisville Road Pit Environmental Assessment Open House

Under development by 3341581 Nova Scotia Ltd.

Date: Tuesday, June 23, 2026, 5:00 - 8:00 pm (drop-in style)

Location: Inglisville Community Club
1407 Inglisville Road, Inglisville, NS

Learn about the Project and Environmental Assessment.
💬 Ask questions.
📋 Provide your input.
Your perspective matters!

For more information on the Project,
visit our website:

https://www.fraxinusenviro.com/inglisvillerd

APPENDIX C-4

OPEN HOUSE POSTERS



fraxinus
ENVIRONMENTAL & GEOMATICS

Welcome to the Inglisville Road Pit Open House

Please sign in, visit our informational posters, ask questions, and provide comments.

Proponent: 3341581 Nova Scotia Limited

Environmental Assessment by
Fraxinus Environmental & Geomatics

For more information, please visit our site:
https://www.fraxinusenviro.com/inglisvillerd

Environmental Assessment (EA) Class I Process

What is an Environmental Assessment?

- Used to evaluate environmental effects of development projects before they proceed, and recommends mitigations to minimize impacts.
- Helps to protect the environment, climate, and human health.
- Required by the Nova Scotia Department of Environment and Climate Change (NSECC), who regulate and oversee pit and quarry approvals.

Engagement (Your Role!)

Open houses are used to engage communities and the Mi'kmaq of Nova Scotia to share information, address concerns, and gather feedback before registration.

EA Registration Timeline:

Day 1: Proponent registers the project, and the consultation period of 40 days begins.

Day 40: NSECC reviews scientific evidence, project benefits, and comments from the EA.

Day 50: The minister makes a decision with conditional requirements if needed.

To receive approval, extensive scientific studies must be undertaken, including:

- Wetlands
- Wildlife
- Community
- Vegetation
- Noise
- Groundwater and Geology
- Watercourses & Aquatic Habitat
- Air Quality
- Cultural & Heritage Resources
- Socioeconomic Effects

Project Site

Scale
The project site encompasses 76 hectares.

Location
Rural setting, 3.7 km south of Lawrencetown and 12 km southwest of Middleton.

Site Condition
Much of the site was previously disturbed by clear-cutting ~20 years ago. An existing access road still runs through the site.

Timeline
Anticipated lifespan of 20 - 40 years.



Inglisville Road, West Inglisville, Annapolis County, Nova Scotia

Community and Regional Benefits

Materials



Will supply high-quality sand and gravel, which are foundational materials for construction and infrastructure including for:

- Roads and highways
- Concrete (sidewalks, bridges, dams, etc.)
- Housing and industrial construction (foundation)

Distribution anticipated throughout:

- Annapolis County
- Kings County
- Hants County
- potentially Halifax area

Jobs

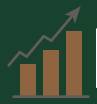


Will create new **jobs**, including opportunities for First Nations and businesses.

Local contracting opportunities for local supply businesses, with opportunities such as:

- Fuel suppliers
- Heavy equipment mechanics
- Trucking companies for material transport
- Construction and engineering firms for development and monitoring

Economy

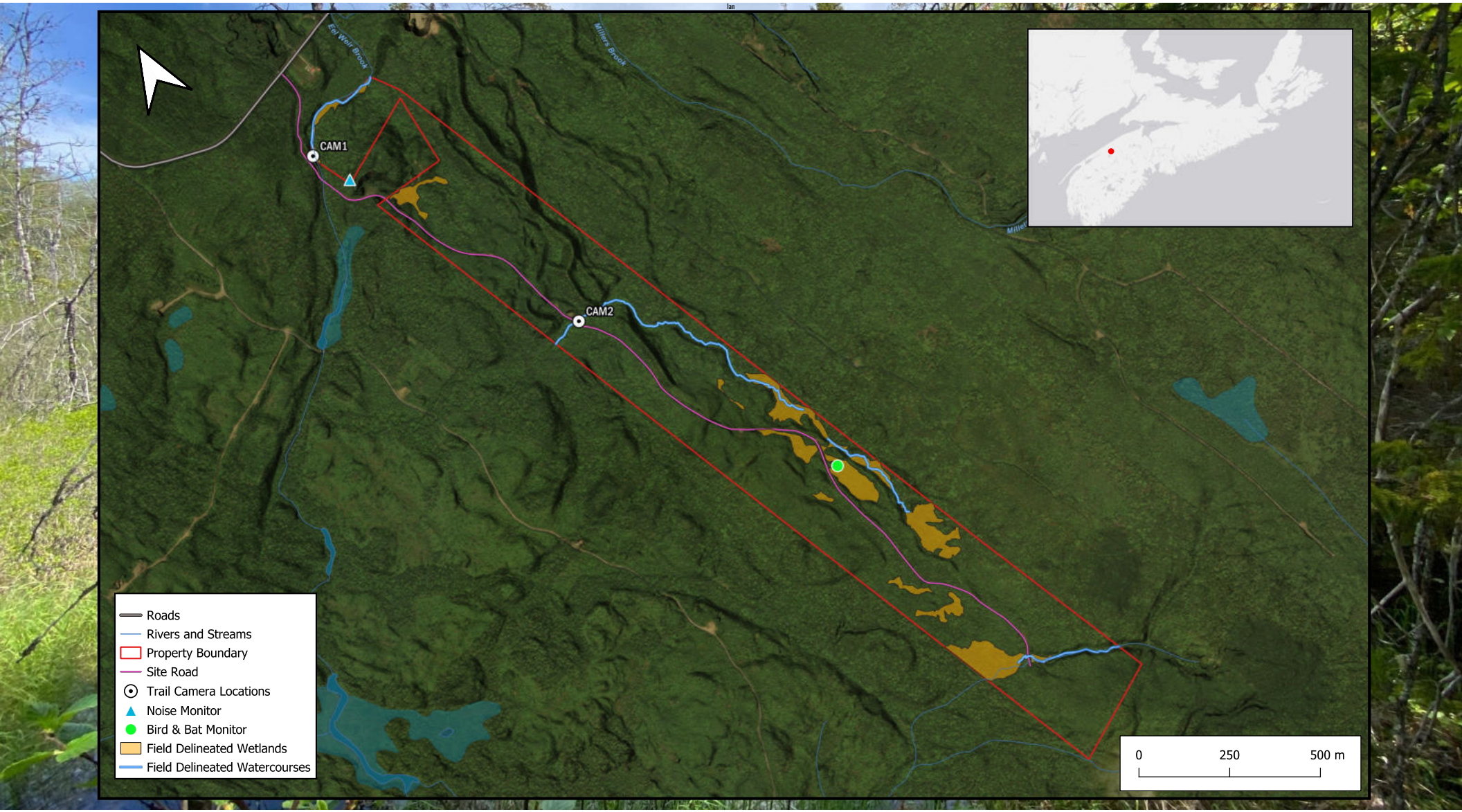


Local stimulus: Local businesses will benefit from procuring locally sourced aggregate products.

Tax Revenue: Will generate income and tax dollars for the community.

Provincial alignment: The Project supports provincial priorities for economic growth, employment creation, and resource development.

Wetlands, Watercourses, & Monitoring Equipment



Flora and Fauna

On-site **surveys** for **vegetation and animal species** conducted:

- Breeding Bird and Nightjar Surveys
- Trail Cameras
- Acoustic Bat Monitors
- Vegetation Surveys
- Mainland Moose Pellet Group Inventory
- Winter Tracking
- Wood Turtle Surveys







Habitat description

The site contains a mix of habitats typical of the Acadian Forest Region, and is positioned in a predominantly mixedwood forest area (>92%). Much of the forest is regenerating from forestry activities that took place ~20 years ago. Alongside the young growing forest, there are also several wetlands and a mature forested floodplain surrounding Eel Weir Brook. This mix of forest, wetland, and watercourses provides habitat for a variety of local wildlife.

Environmental Protection Measures

The Proponent is committed to continuous monitoring, compliance with all environmental regulations, and ensuring safety through emergency planning and contingencies.

Emergency Planning

- Detailed environmental contingency and emergency response planning will be developed prior to operations and immediately deployed in the event of a fire, hazardous substance spill, or other incident.

Continuous Monitoring & Compliance

- Regular monitoring of environmental conditions, including air, water, and soil.
- Ensuring compliance with all applicable environmental regulations, including the terms and conditions of operations and EA approvals.

Water Management & Protections

- Implementing a Groundwater Monitoring Plan developed by a licensed hydrologist to monitor groundwater levels throughout operations.
- Managing water conditions and preventing contamination, including through property stormwater management systems, environmental contingency plans, and adherence to all applicable water quality protection requirements.

Community Care

Community Communication

- Complaint Response Protocols
- Public Contact Information



Dust and Air Quality Control

- Weather Considerations
- Dust Suppression



Site Security and Public Safety

- Restricted Access to Project Site
- Slope and Berm Stability Measures
- Groundwater Protection
- Transportation Safety Measures



Noise Management

- Noise Barriers
- Equipment Controls
- Daylight Operations Only



APPENDIX C-5

OPEN HOUSE EVENT PHOTOS

Photographs from the Public Open House held on June 23, 2026, at the Inglisville Community Club


Welcome to the Inglisville
Road Pit Open House


Project Site
Environmental Assessment
(EA) Class I Process
Community and Regional Benefits


EXIT
Community and Regional Benefits
Jobs
Economy

APPENDIX D

ACCDC REPORT

Data Report 8608: Inglisville, NS

Prepared 21 March 2025
by C. Robicheau, Conservation Data Analyst

CONTENTS OF REPORT

1.0 Preface
- 1.1 Data List
- 1.2 Restrictions
- 1.3 Additional Information
- Map 1: Buffered Study Area

2.0 Rare and Endangered Species
- 2.1 Flora
- 2.2 Fauna
- Map 2: Flora and Fauna

3.0 Special Areas
- 3.1 Managed Areas
- 3.2 Significant Areas
- Map 3: Special Areas

4.0 Rare Species Lists
- 4.1 Fauna
- 4.2 Flora
- 4.3 Location Sensitive Species
- 4.4 Source Bibliography

5.0 Rare Species within 100 km
- 5.1 Source Bibliography



Map 1. A 100 km buffer around the study area

1.0 PREFACE

The Atlantic Canada Conservation Data Centre (AC CDC; www.accdc.com) is part of a network of NatureServe data centres and heritage programs serving 50 states in the U.S.A, 10 provinces and 1 territory in Canada, plus several Central and South American countries. The NatureServe network is more than 30 years old and shares a common conservation data methodology. The AC CDC was founded in 1997, and maintains data for the jurisdictions of New Brunswick, Nova Scotia, Prince Edward Island, and Newfoundland and Labrador. Although a non-governmental agency, the AC CDC is supported by 6 federal agencies and 4 provincial governments, as well as through outside grants and data processing fees.

Upon request and for a fee, the AC CDC queries its database and produces customized reports of the rare and endangered flora and fauna known to occur in or near a specified study area. As a supplement to that data, the AC CDC includes locations of managed areas with some level of protection, and known sites of ecological interest or sensitivity.

1.1 DATA LIST

Included datasets:

Filename	Contents
InglisvilleNS_8608ob.xls	Rare or legally-protected Flora and Fauna in your study area
InglisvilleNS_8608ob100km.xls	A list of Rare and legally protected Flora and Fauna within 100 km of your study area
InglisvilleNS_8608msa.xls	Managed and Biologically Significant Areas in your study area
InglisvilleNS_8608ff_py.xls	Rare Freshwater Fish in your study area (DFO database)

1.2 RESTRICTIONS

The AC CDC makes a strong effort to verify the accuracy of all the data that it manages, but it shall not be held responsible for any inaccuracies in data that it provides. By accepting AC CDC data, recipients assent to the following limits of use:

a) Data is restricted to use by trained personnel who are sensitive to landowner interests and to potential threats to rare and/or endangered flora and fauna posed by the information provided.
b) Data is restricted to use by the specified Data User; any third party requiring data must make its own data request.
c) The AC CDC requires Data Users to cease using and delete data 12 months after receipt, and to make a new request for updated data if necessary at that time.
d) AC CDC data responses are restricted to the data in our Data System at the time of the data request.
e) Each record has an estimate of locational uncertainty, which must be referenced in order to understand the record's relevance to a particular location. Please see attached Data Dictionary for details.
f) AC CDC data responses are not to be construed as exhaustive inventories of taxa in an area.
g) The absence of a taxon cannot be inferred by its absence in an AC CDC data response.

1.3 ADDITIONAL INFORMATION

The accompanying Data Dictionary provides metadata for the data provided.

Please direct any additional questions about AC CDC data to the following individuals:

Plants, Lichens, Ranking Methods, All other Inquiries
Sean Blaney
Senior Scientist / Executive Director
(506) 364-2658
sean.blaney@accdc.ca

Animals (Fauna)
John Klymko
Zoologist
(506) 364-2660
john.klymko@accdc.ca

Data Management, GIS
Charity Robicheau
Senior Conservation Data Analyst
charity.robicheau@accdc.ca

Billing
Jean Breau
Financial Manager / Executive Assistant
(506) 364-2657
jean.breau@accdc.ca

Questions on the biology of Federal Species at Risk can be directed to AC CDC: (506) 364-2658, with questions on Species at Risk regulations to: Samara Eaton, Canadian Wildlife Service (NB and PE): (506) 364-5060 or Julie McKnight, Canadian Wildlife Service (NS): (902) 426-4196.

For provincial information about rare taxa and protected areas, or information about game animals, deer yards, old growth forests, archeological sites, fish habitat etc., in New Brunswick, please contact Hubert Askanas, Energy and Resource Development: (506) 453-5873.

For provincial information about rare taxa and protected areas, or information about game animals, deer yards, old growth forests, archeological sites, fish habitat etc., in Nova Scotia, please contact Donna Hurlburt, NS DLF: (902) 679-6886. To determine if location-sensitive species (section 4.3) occur near your study site please contact a NS DLF Regional Biologist:

Western: Emma Vost
(902) 670-8187
Emma.Vost@novascotia.ca

Western: Sarah Spencer
(902) 541-0081
Sarah.Spencer@novascotia.ca

Central: Shavonne Meyer
(902) 893-0816
Shavonne.Meyer@novascotia.ca

Central: Kimberly George
(902) 890-1046
Kimberly.George@novascotia.ca

Eastern: Harrison Moore
(902) 497-4119
Harrison.Moore@novascotia.ca

Eastern: Maureen Cameron-MacMillan
(902) 295-2554
Maureen.Cameron-MacMillan@novascotia.ca

For provincial information about rare taxa and protected areas, or information about game animals, fish habitat etc., in Prince Edward Island, please contact Garry Gregory, PEI Dept. of Communities, Land and Environment: (902) 569-7595.

2.0 RARE AND ENDANGERED SPECIES

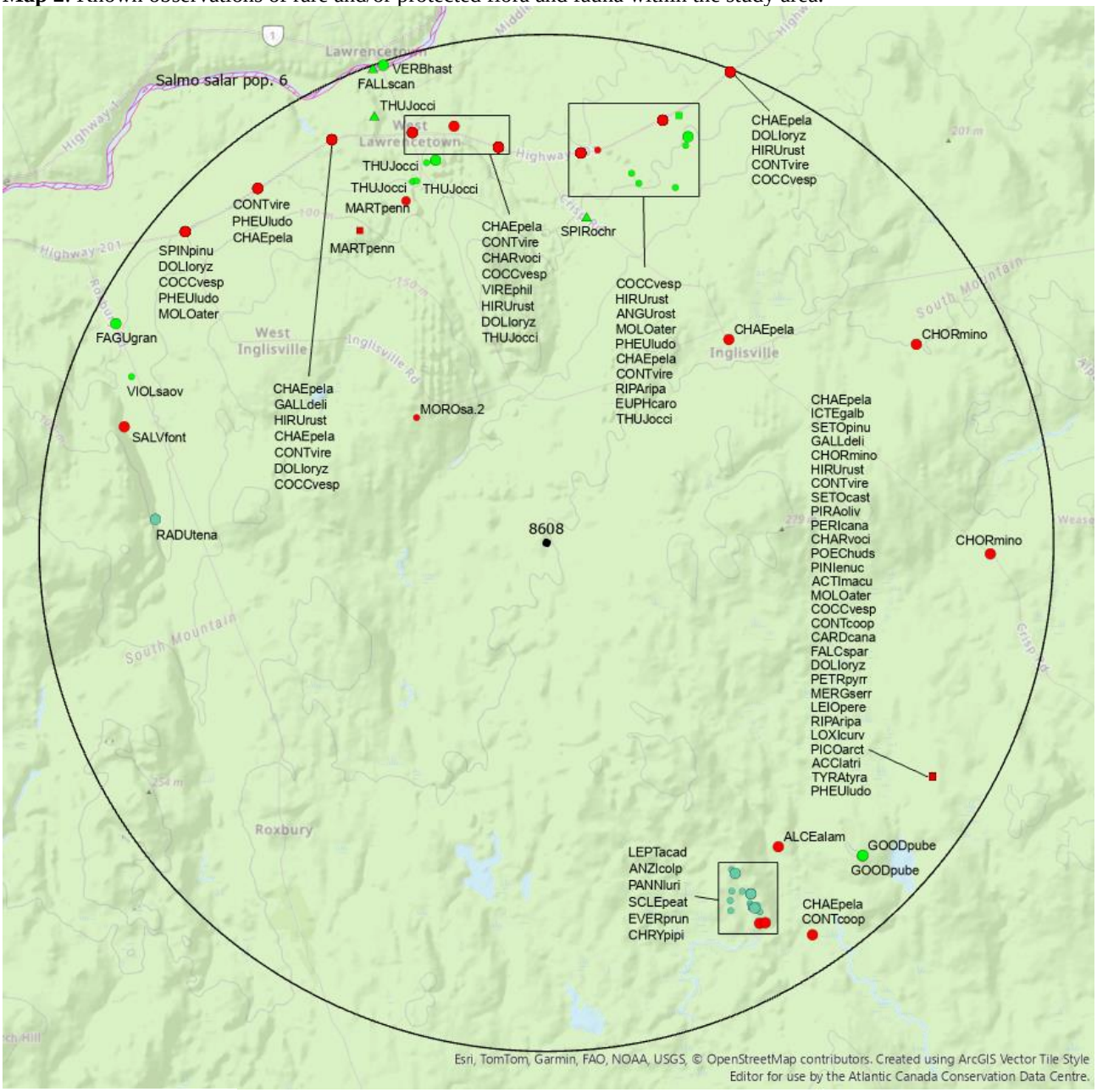
2.1 FLORA

The study area contains 19 records of 7 vascular and 19 records of 6 nonvascular flora (Map 2 and attached: *ob.xls), excluding 'location-sensitive' species.

2.2 FAUNA

The study area contains 152 records of 38 vertebrate and no records of invertebrate fauna (Map 2 and attached data files - see 1.1 Data List), excluding 'location-sensitive species'. Please see section 4.3 to determine if 'location-sensitive' species occur near your study site.

Map 2: Known observations of rare and/or protected flora and fauna within the study area.



Resolution

- 1.0 = Within 10s of metres
- 1.7 = Within 50s of metres
- 2.0 = Within 100s of metres
- 2.7 = Within 500s of metres
- 3.0 = Within kilometres
- 3.7 = Within 5s of kilometres
- 4.0 = Within 10s of kilometres
- 4.7 = Within 50s of kilometres

Higher taxon

- Vertebrate fauna
- Invertebrate fauna
- Vascular flora
- Nonvascular flora

3.0 SPECIAL AREAS

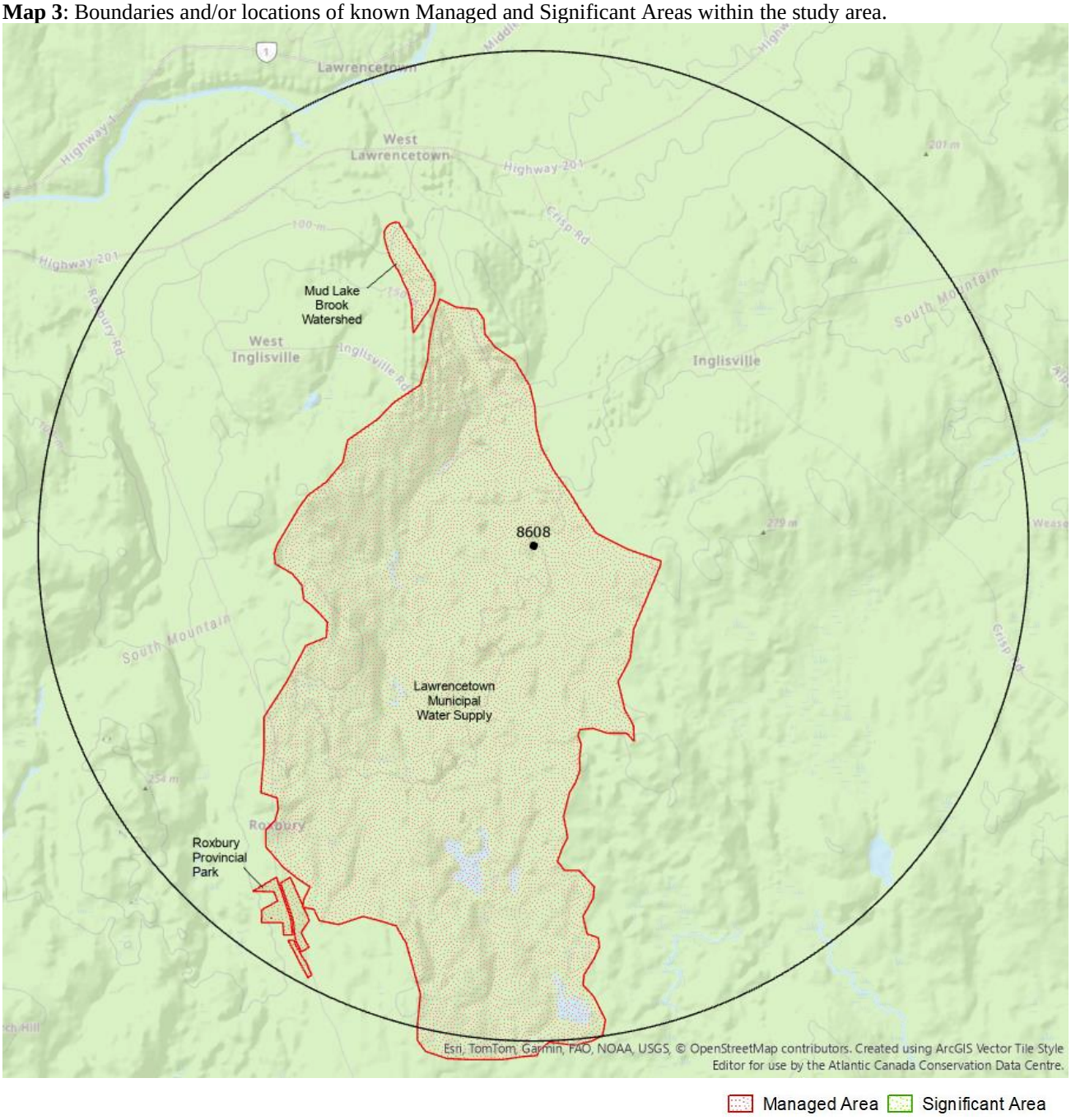
3.1 MANAGED AREAS

The GIS scan identified 3 managed areas in the vicinity of the study area (Map 3 and attached file: *ma*.xls).

3.2 SIGNIFICANT AREAS

Significant Areas are sites with a conservation designation and management that qualifies them for listing in the Canadian Protected and Conserved Areas Database (CPCAD; https://www.canada.ca/en/environment-climate-change/services/national-wildlife-areas/protected-conserved-areas-database.html). The absence of a "Significant Area" within a site or region does not indicate an absence of ecologically significant properties. The GIS scan identified no biologically significant sites in the vicinity of the study area (Map 3 and attached file: *sa*.xls).

Map 3: Boundaries and/or locations of known Managed and Significant Areas within the study area.



4.0 RARE SPECIES LISTS

Rare and/or endangered taxa (excluding "location-sensitive" species, section 4.3) within the study area listed in order of concern, beginning with legally listed taxa, with the number of observations per taxon and the distance in kilometers from study area centroid to the closest observation (± the precision, in km, of the record). [P] = vascular plant, [N] = nonvascular plant, [A] = vertebrate animal, [I] = invertebrate animal, [C] = community. Note: records are from attached files *ob.xls/*ob.shp only.

4.1 FLORA

	Scientific *Name*	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)
N	*Pannaria lurida*	Wrinkled Shingle Lichen	Threatened	Threatened	Threatened	S2S3	1	4.1 ± 0.01
N	*Anzia colpodes*	Black-foam Lichen	Threatened	Threatened	Threatened	S3	13	3.7 ± 0.2
N	*Sclerophora peronella (Atlantic pop.)*	Frosted Glass-whiskers (Atlantic population)	Special Concern	Special Concern		S3S4	1	3.9 ± 0.01
N	*Radula tenax*	Tenacious Scalewort				S1S3	1	3.9 ± 0.2
N	*Leptogium acadiense*	Acadian Jellyskin Lichen				S3S4	2	3.7 ± 0.01
N	*Evernia prunastri*	Valley Oakmoss Lichen				S3S4	1	4.2 ± 0.01
P	*Thuja occidentalis*	Eastern White Cedar			Vulnerable	S2S3	12	3.7 ± 0.01
P	*Goodyera pubescens*	Downy Rattlesnake-Plantain				S2S3	2	4.4 ± 0.2
P	*Spiranthes ochroleuca*	Yellow Ladies'-tresses				S3?	1	3.2 ± 1.0
P	*Fagus grandifolia*	American Beech				S3S4	1	4.8 ± 0.2
P	*Fallopia scandens*	Climbing False Buckwheat				S3S4	1	5.0 ± 2.5
P	*Verbena hastata*	Blue Vervain				S3S4	1	5.0 ± 0.2
P	*Viola sagittata var. ovata*	Arrow-Leaved Violet				S3S4	1	4.4 ± 0.01

4.2 FAUNA

	Scientific *Name*	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)
A	*Morone saxatilis pop. 2*	Striped Bass - Bay of Fundy population	Endangered			S2S3B,S2S3N	16	1.8 ± 0.01
A	*Riparia riparia*	Bank Swallow	Threatened	Threatened	Endangered	S2B	3	4.3 ± 0.25
A	*Chaetura pelagica*	Chimney Swift	Threatened	Threatened	Endangered	S2S3B,S1M	18	2.7 ± 0.15
A	*Anguilla rostrata*	American Eel	Threatened			S3N	2	3.9 ± 0.01
A	*Euphagus carolinus*	Rusty Blackbird	Special Concern	Special Concern	Endangered	S2B	1	4.3 ± 0.25
A	*Hirundo rustica*	Barn Swallow	Special Concern	Threatened	Endangered	S3B	16	3.9 ± 0.25
A	*Cardellina canadensis*	Canada Warbler	Special Concern	Threatened	Endangered	S3B	1	4.4 ± 7.07
A	*Chordeiles minor*	Common Nighthawk	Special Concern	Special Concern	Threatened	S3B	5	4.1 ± 0.1
A	*Contopus cooperi*	Olive-sided Flycatcher	Special Concern	Special Concern	Threatened	S3B	3	4.4 ± 7.07
A	*Dolichonyx oryzivorus*	Bobolink	Special Concern	Threatened	Vulnerable	S3B	13	3.9 ± 0.25
A	*Coccothraustes vespertinus*	Evening Grosbeak	Special Concern	Special Concern	Vulnerable	S3B,S3N,S3M	13	3.9 ± 0.25
A	*Contopus virens*	Eastern Wood-Pewee	Special Concern	Special Concern	Vulnerable	S3S4B	13	3.9 ± 0.25
A	*Chrysemys picta picta*	Eastern Painted Turtle	Special Concern	Special Concern		S4	1	4.3 ± 0.2
A	*Accipiter atricapillus*	American Goshawk	Not At Risk			S3S4	1	4.4 ± 7.07
A	*Alces alces americana*	Moose			Endangered	S1	1	3.8 ± 0.2
A	*Vireo philadelphicus*	Philadelphia Vireo				S2?B,SUM	2	3.9 ± 0.25
A	*Molothrus ater*	Brown-headed Cowbird				S2B	5	4.3 ± 0.25
A	*Piranga olivacea*	Scarlet Tanager				S2B,SUM	2	4.4 ± 7.07
A	*Petrochelidon pyrrhonota*	Cliff Swallow				S2S3B	1	4.4 ± 7.07
A	*Setophaga pinus*	Pine Warbler				S2S3B,S4S5M	1	4.4 ± 7.07
A	*Icterus galbula*	Baltimore Oriole				S2S3B,SUM	1	4.4 ± 7.07
A	*Perisoreus canadensis*	Canada Jay				S3	2	4.4 ± 7.07
A	*Poecile hudsonicus*	Boreal Chickadee				S3	1	4.4 ± 7.07
A	*Spinus pinus*	Pine Siskin				S3	1	4.7 ± 0.25
A	*Salvelinus fontinalis*	Brook Trout				S3	1	4.3 ± 0.2
A	*Pekania pennanti*	Fisher				S3	2	3.6 ± 0.05
A	*Charadrius vociferus*	Killdeer				S3B	3	3.9 ± 0.25
A	*Tyrannus tyrannus*	Eastern Kingbird				S3B	1	4.4 ± 7.07

	Scientific *Name*	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)
A	*Pheucticus ludovicianus*	Rose-breasted Grosbeak				S3B	9	3.9 ± 0.25
A	*Falco sparverius*	American Kestrel				S3B,S4S5M	2	4.4 ± 7.07
A	*Mergus serrator*	Red-breasted Merganser				S3B,S4S5N,S5M	1	4.4 ± 7.07
A	*Gallinago delicata*	Wilson's Snipe				S3B,S5M	4	4.4 ± 7.07
A	*Pinicola enucleator*	Pine Grosbeak				S3B,S5N,S5M	1	4.4 ± 7.07
A	*Picoides arcticus*	Black-backed Woodpecker				S3S4	1	4.4 ± 7.07
A	*Loxia curvirostra*	Red Crossbill				S3S4	1	4.4 ± 7.07
A	*Setophaga castanea*	Bay-breasted Warbler				S3S4B,S4S5M	1	4.4 ± 7.07
A	*Actitis macularius*	Spotted Sandpiper				S3S4B,S5M	1	4.4 ± 7.07
A	*Leiothlypis peregrina*	Tennessee Warbler				S3S4B,S5M	1	4.4 ± 7.07

4.3 LOCATION SENSITIVE SPECIES

The Department of Natural Resources in each Maritimes province considers a number of species "location sensitive". Concern about exploitation of location-sensitive species precludes inclusion of precise coordinates in this report. Those intersecting your study area are indicated below with "YES".

Nova Scotia

Scientific *Name*	Common Name	SARA	Prov Legal Prot	Known within the Study Site?
Alces alces americana	**Moose – Mainland population**		**Endangered**	**YES**
Fraxinus nigra	Black Ash		Threatened	No
Emydoidea blandingii	Blanding's Turtle - Nova Scotia pop.	Endangered	Endangered	No
Glyptemys insculpta	**Wood Turtle**	**Threatened**	**Threatened**	**YES**
Falco peregrinus pop. 1	Peregrine Falcon - anatum/tundrius pop.		Vulnerable	No
Bat Hibernaculum or bat species occurrence		[Endangered][1]	[Endangered][1]	No
Snake hibernaculum		[Threatened][2]	[Threatened][2]	No

1 *Myotis lucifugus* (Little Brown Myotis), *Myotis septentrionalis* (Long-eared Myotis), and *Perimyotis subflavus* (Tri-colored Bat or Eastern Pipistrelle) are all Endangered under the Federal Species at Risk Act and the NS Endangered Species Act.
2 *Thamnophis sauritus* (Eastern Ribbonsnake) is Threatened under the Federal Species at Risk Act (SARA) and the Nova Scotia Endangered Species Act. Occurrences between October 15 – April 15 are considered location sensitive.

4.4 SOURCE BIBLIOGRAPHY

The recipient of these data shall acknowledge the AC CDC and the data sources listed below in any documents, reports, publications or presentations, in which this dataset makes a significant contribution.

# recs	CITATION
71	Pardieck, K.L., Ziolkowski Jr., D.J., Lutmerding, M., Aponte, V.I., and Hudson, M-A.R. 2020. North American Breeding Bird Survey Dataset 1966 - 2019: U.S. Geological Survey data release, https://doi.org/10.5066/P9J6QUF6
29	Lepage, D. 2014. Maritime Breeding Bird Atlas Database. Bird Studies Canada, Sackville NB, 407,838 recs.
24	Erskine, A.J. 1992. Maritime Breeding Bird Atlas Database. NS Museum & Nimbus Publ., Halifax, 82,125 recs.
18	Jessica Ferguson. 2023. SAR observations for Clean Annapolis River Project - 2020-2023. Clean Annapolis River Project (CARP).
13	iNaturalist.ca. 2023. iNaturalist Data Export December 2022. iNaturalist.org; iNaturalist.ca, Web site: 128634 recs.
10	Toms, Brad & Pepper, Chris; Neily, Tom. 2022. Nova Scotia lichen database [as of 2022-04]. Mersey Tobeatic Research Institute.
4	Hagerman, Christianne. 2022. Wisqoq and Eastern White Cedar field work. E.C. Smith Herbarium, Acadia University.
4	iNaturalist.ca. 2024. iNaturalist Data Export December 2023 botany records. iNaturalist.org; iNaturalist.ca.
3	Benjamin, L.K. (compiler). 2007. Significant Habitat & Species Database. Nova Scotia Dept Natural Resources, 8439 recs.
3	Newington, Nina. 2023. Anzia colpodes at Beal's Brook, NS. Pers. comm. to J. Churchill.
2	Newell, R.E. 2000. E.C. Smith Herbarium Database. Acadia University, Wolfville NS, 7139 recs.
1	Allan Smith. 2011. Cedar stand location at South Williamston. Abitibi Bowater, 1 Rec.
1	Amirault, D.L. 1995. Atlantic Canada Conservation Area Database (ARCAD). Canadian Wildlife Service, Sackville.
1	Amiro, P.G. 1998. Atlantic Salmon Inner Bay of Fundy SFA 22 & part of 23. DFO Sci. SSR D3-12.
1	Belliveau, A.G. 2020. E.C. Smith Herbarium and Atlantic Canada Conservation Data Centre Fieldwork 2019, 2020. E.C. Smith Herbarium.
1	Benjamin, L.K. (compiler). 2001. Significant Habitat & Species Database. Nova Scotia Dept of Natural Resources, 15 spp, 224 recs.

# recs	CITATION
1	Benjamin, L.K. (compiler). 2012. Significant Habitat & Species Database. Nova Scotia Dept Natural Resources, 4965 recs.
1	Catling, P.M. 1981. Taxonomy of autumn-flowering Spiranthes species of southern Nova Scotia in Can. J. Bot. , 59:1250-1273. 30 recs.
1	Downes, C. 1998-2000. Breeding Bird Survey Data. Canadian Wildlife Service, Ottawa, 111 recs.
1	iNaturalist. 2020. iNaturalist Data Export 2020. iNaturalist.org and iNaturalist.ca, Web site: 128728 recs.
1	Munro, Marian K. Nova Scotia Provincial Museum of Natural History Herbarium Database. Nova Scotia Provincial Museum of Natural History, Halifax, Nova Scotia. 2013.
1	Nova Scotia Department of Lands and Forestry. 2020. NS Lands Proposed or Pending Protection. NSDLF, 231 features. Received via email.
1	Nova Scotia Dept Natural Resources, Forestry Branch. 2007. Restricted & Limited Use Land Database (RLUL). , http://www.gov.ns.ca/natr/FORESTRY/rlul/downloadrlul.htm.
1	Staicer, Cindy. 2023. 2022 SAR Bird ARU occurrences. Dalhousie University, 379 records.

5.0 RARE SPECIES WITHIN 100 KM

A 100 km buffer around the study area contains 51901 records of 153 vertebrate and 2661 records of 79 invertebrate fauna; 19202 records of 321 vascular and 6257 records of 254 nonvascular flora (attached: *ob100km.xls).

Taxa within 100 km of the study site that are rare and/or endangered in the province in which the study site occurs (including “location-sensitive” species). All ranks correspond to the province in which the study site falls, even for out-of-province records. Taxa are listed in order of concern, beginning with legally listed taxa, with the number of observations per taxon and the distance in kilometers from study area centroid to the closest observation (± the precision, in km, of the record).

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
A	*Coregonus huntsmani*	Atlantic Whitefish	Endangered	Endangered	Endangered	S1	166	55.0 ± 1.0	NS
A	*Myotis lucifugus*	Little Brown Myotis	Endangered	Endangered	Endangered	S1	805	100.0 ± 0.1	NS
A	*Myotis septentrionalis*	Northern Myotis	Endangered	Endangered	Endangered	S1	108	11.3 ± 0.1	NS
A	*Perimyotis subflavus*	Tricolored Bat	Endangered	Endangered	Endangered	S1	204	11.3 ± 0.1	NS
A	*Salmo salar pop. 1*	Atlantic Salmon - Inner Bay of Fundy population	Endangered	Endangered		S1	85	22.4 ± 0.5	NS
A	*Salmo salar pop. 6*	Atlantic Salmon - Nova Scotia Southern Upland population	Endangered			S1	25	30.3 ± 1.0	NS
A	*Eubalaena glacialis*	North Atlantic Right Whale	Endangered	Endangered		S1	1	49.4 ± 50.0	NS
A	*Charadrius melodus melodus*	Piping Plover melodus subspecies	Endangered	Endangered	Endangered	S1B	715	72.7 ± 0.2	NS
A	*Sterna dougallii*	Roseate Tern	Endangered	Endangered	Endangered	S1B	59	100.0 ± 0.15	NS
A	*Dermochelys coriacea pop. 2*	Leatherback Sea Turtle - Atlantic population	Endangered	Endangered		S1S2N	6	56.3 ± 0.2	NS
A	*Morone saxatilis pop. 2*	Striped Bass - Bay of Fundy population	Endangered			S2S3B,S2S3N	171	1.8 ± 0.01	NS
A	*Rangifer tarandus pop. 2*	Caribou - Atlantic-Gasp ├⌐sie population	Endangered	Endangered	Extirpated	SX	2	87.7 ± 5.0	NB
A	*Catharus bicknelli*	Bicknell's Thrush	Threatened	Threatened	Endangered	S1B	9	47.8 ± 7.07	NS
A	*Asio flammeus*	Short-eared Owl	Threatened	Special Concern		S1B	33	66.9 ± 7.07	NS
A	*Glyptemys insculpta*	Wood Turtle	Threatened	Threatened	Threatened	S2	1147	11.5 ± 1.0	NS
A	*Riparia riparia*	Bank Swallow	Threatened	Threatened	Endangered	S2B	1668	11.1 ± 0.25	NS
A	*Thamnophis saurita pop. 3*	Eastern Ribbonsnake - Atlantic population	Threatened	Threatened	Threatened	S2S3	2508	14.1 ± 0.01	NS
A	*Chaetura pelagica*	Chimney Swift	Threatened	Threatened	Endangered	S2S3B,S1M	1974	10.4 ± 0.25	NS
A	*Limosa haemastica*	Hudsonian Godwit	Threatened			S2S3M	103	67.7 ± 0.5	NS
A	*Acipenser oxyrinchus*	Atlantic Sturgeon	Threatened			S2S3N	10	66.3 ± 0.2	NB
A	*Hydrobates leucorhous*	Leach's Storm-Petrel	Threatened			S3B	26	100.0 ± 0.15	NS
A	*Tringa flavipes*	Lesser Yellowlegs	Threatened			S3M	836	47.8 ± 2.81	NS
A	*Limnodromus griseus*	Short-billed Dowitcher	Threatened			S3M	1209	57.5 ± 0.2	NS
A	*Anguilla rostrata*	American Eel	Threatened			S3N	946	100.0 ± 0.1	NB
A	*Sturnella magna*	Eastern Meadowlark	Threatened	Threatened		SHB	10	16.4 ± 7.07	NS
A	*Hylocichla mustelina*	Wood Thrush	Threatened	Threatened		SUB	59	13.3 ± 0.15	NS
A	*Antrostomus vociferus*	Eastern Whip-Poor-Will	Special Concern	Threatened	Threatened	S1?B	14	100.0 ± 0.15	NS
A	*Passerculus sandwichensis*	Ipswich Sparrow	Special Concern	Special Concern		S1B	2	74.5 ± 0.2	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
	princeps								
A	*Euphagus carolinus*	Rusty Blackbird	Special Concern	Special Concern	Endangered	S2B	354	12.8 ± 0.15	NS
A	*Histrionicus histrionicus pop. 1*	Harlequin Duck - Eastern population	Special Concern	Special Concern	Endangered	S2N	36	100.0 ± 17.2	NB
A	*Balaenoptera physalus pop. 1*	Fin Whale - Atlantic population	Special Concern	Special Concern		S2S3	4	70.2 ± 0.5	NB
A	*Phalaropus lobatus*	Red-necked Phalarope	Special Concern	Special Concern		S2S3M	17	14.2 ± 0.05	NS
A	*Chelydra serpentina*	Snapping Turtle	Special Concern	Special Concern	Vulnerable	S3	1004	10.5 ± 0.1	NS
A	*Hirundo rustica*	Barn Swallow	Special Concern	Threatened	Endangered	S3B	1370	10.4 ± 0.25	NS
A	*Cardellina canadensis*	Canada Warbler	Special Concern	Threatened	Endangered	S3B	1159	12.0 ± 0.01	NS
A	*Chordeiles minor*	Common Nighthawk	Special Concern	Special Concern	Threatened	S3B	902	10.7 ± 0.5	NS
A	*Contopus cooperi*	Olive-sided Flycatcher	Special Concern	Special Concern	Threatened	S3B	1427	10.3 ± 0.01	NS
A	*Dolichonyx oryzivorus*	Bobolink	Special Concern	Threatened	Vulnerable	S3B	1438	10.4 ± 0.25	NS
A	*Coccothraustes vespertinus*	Evening Grosbeak	Special Concern	Special Concern	Vulnerable	S3B,S3N,S3M	992	11.1 ± 0.01	NS
A	*Podiceps auritus*	Horned Grebe	Special Concern	Special Concern		S3N,SUM	65	21.8 ± 10.0	NS
A	*Contopus virens*	Eastern Wood-Pewee	Special Concern	Special Concern	Vulnerable	S3S4B	1695	10.1 ± 0.1	NS
A	*Phocoena phocoena pop. 1*	Harbour Porpoise - Northwest Atlantic Population	Special Concern			S4	47	100.0 ± 18.62	NB
A	*Chrysemys picta*	Painted Turtle	Special Concern	Special Concern		S4	16	19.7 ± 0.01	NS
A	*Chrysemys picta picta*	Eastern Painted Turtle	Special Concern	Special Concern		S4	1513	10.7 ± 0.2	NS
A	*Anarhichas lupus*	Atlantic Wolffish	Special Concern	Special Concern		SNR	1	92.4 ± 0.2	NS
A	*Ixobrychus exilis*	Least Bittern	Special Concern	Threatened		SUB	8	57.7 ± 0.2	NS
A	*Accipiter cooperii*	Cooper's Hawk	Not At Risk			S1?B,SUN,SUM	35	22.5 ± 0.2	NS
A	*Fulica americana*	American Coot	Not At Risk			S1B	18	28.9 ± 7.07	NS
A	*Chlidonias niger*	Black Tern	Not At Risk			S1B	5	95.0 ± 0.1	NB
A	*Falco peregrinus pop. 1*	Peregrine Falcon - anatum/tundrius	Not At Risk		Vulnerable	S1B,SUM	436	12.0 ± 0.2	NS
A	*Aegolius funereus*	Boreal Owl	Not At Risk			S2?B,SUM	2	66.4 ± 7.07	NB
A	*Lynx canadensis*	Canada Lynx	Not At Risk		Endangered	S2S3	13	48.6 ± 0.1	NS
A	*Globicephala melas*	Long-finned Pilot Whale	Not At Risk			S2S3	2	65.7 ± 0.01	NB
A	*Hemidactylium scutatum*	Four-toed Salamander	Not At Risk			S3	47	14.3 ± 0.5	NS
A	*Megaptera novaeangliae*	Humpback Whale	Not At Risk			S3	12	38.8 ± 0.2	NS
A	*Sterna hirundo*	Common Tern	Not At Risk			S3B	267	100.0 ± 0.2	NS
A	*Sialia sialis*	Eastern Bluebird	Not At Risk			S3B	150	17.9 ± 7.07	NS
A	*Buteo lagopus*	Rough-legged Hawk	Not At Risk			S3N	4	72.0 ± 0.2	NS
A	*Accipiter atricapillus*	American Goshawk	Not At Risk			S3S4	119	12.9 ± 7.07	NS
A	*Glaucomys volans*	Southern Flying Squirrel	Not At Risk			S3S4	17	51.9 ± 0.1	NS
A	*Lagenorhynchus acutus*	Atlantic White-sided Dolphin	Not At Risk			S3S4	3	42.0 ± 0.1	NS
A	*Ammospiza nelsoni*	Nelson's Sparrow	Not At Risk			S3S4B	322	16.4 ± 7.07	NS
A	*Calidris canutus rufa*	Red Knot rufa subspecies	E,SC	Endangered	Endangered	S2M	575	67.7 ± 0.5	NS
A	*Morone saxatilis*	Striped Bass	E,SC			S2S3B,S2S3N	34	47.4 ± 0.2	NS
A	*Gadus morhua*	Atlantic Cod	E,SC,DD			SNR	1	71.6 ± 0.65	NS
A	*Salmo salar*	Atlantic Salmon	E,T,SC			S1B,S1N	21	21.2 ± 0.01	NS
A	*Odobenus rosmarus pop. 5*	Atlantic Walrus - Nova Scotia - Newfoundland - Gulf of St Lawrence population	X			SX	1	31.8 ± 5.0	NS
A	*Alces alces americana*	Moose			Endangered	S1	164	3.8 ± 0.2	NS
A	*Alces alces*	Moose				S1	30	16.7 ± 0.2	NS
A	*Picoides dorsalis*	American Three-toed Woodpecker				S1?	2	81.5 ± 0.1	NB
A	*Uria aalge*	Common Murre				S1?B	14	18.8 ± 0.2	NS
A	*Passerina cyanea*	Indigo Bunting				S1?B,SUM	60	28.9 ± 7.07	NS
A	*Nycticorax nycticorax*	Black-crowned Night-heron				S1B	10	82.7 ± 0.5	NB
A	*Oxyura jamaicensis*	Ruddy Duck				S1B	61	11.9 ± 0.2	NS
A	*Gallinula galeata*	Common Gallinule				S1B	14	16.4 ± 7.07	NS
A	*Myiarchus crinitus*	Great Crested Flycatcher				S1B	64	22.5 ± 7.07	NS
A	*Cistothorus palustris*	Marsh Wren				S1B	38	16.4 ± 7.07	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
A	*Mimus polyglottos*	Northern Mockingbird				S1B	140	11.7 ± 0.2	NS
A	*Toxostoma rufum*	Brown Thrasher				S1B	26	27.4 ± 0.25	NS
A	*Charadrius semipalmatus*	Semipalmated Plover				S1B,S4M	1681	18.5 ± 0.49	NS
A	*Calidris minutilla*	Least Sandpiper				S1B,S4M	1292	20.8 ± 0.01	NS
A	*Anas acuta*	Northern Pintail				S1B,SUM	61	22.0 ± 0.01	NS
A	*Vireo gilvus*	Warbling Vireo				S1B,SUM	34	21.2 ± 0.01	NS
A	*Vespertilionidae sp.*	bat species				S1S2	173	10.5 ± 0.1	NS
A	*Pooecetes gramineus*	Vesper Sparrow				S1S2B,SUM	58	20.3 ± 0.33	NS
A	*Vireo philadelphicus*	Philadelphia Vireo				S2?B,SUM	56	10.4 ± 0.25	NS
A	*Alca torda*	Razorbill				S2B	44	100.0 ± 0.15	NS
A	*Fratercula arctica*	Atlantic Puffin				S2B	44	100.0 ± 0.15	NS
A	*Empidonax traillii*	Willow Flycatcher				S2B	71	16.4 ± 7.07	NS
A	*Molothrus ater*	Brown-headed Cowbird				S2B	248	11.0 ± 0.25	NS
A	*Somateria mollissima*	Common Eider				S2B,S2N,S4M	903	100.0 ± 0.15	NS
A	*Spatula clypeata*	Northern Shoveler				S2B,SUM	142	16.4 ± 7.07	NS
A	*Mareca strepera*	Gadwall				S2B,SUM	207	16.4 ± 7.07	NS
A	*Piranga olivacea*	Scarlet Tanager				S2B,SUM	88	10.9 ± 0.2	NS
A	*Calidris alba*	Sanderling				S2N,S3M	1362	54.7 ± 0.5	NS
A	*Martes americana*	American Marten			Endangered	S2S3	43	11.5 ± 0.05	NS
A	*Asio otus*	Long-eared Owl				S2S3	17	59.9 ± 0.15	NS
A	*Rallus limicola*	Virginia Rail				S2S3B	51	16.4 ± 7.07	NS
A	*Rissa tridactyla*	Black-legged Kittiwake				S2S3B	19	100.0 ± 0.15	NS
A	*Petrochelidon pyrrhonota*	Cliff Swallow				S2S3B	308	12.2 ± 0.1	NS
A	*Phalacrocorax carbo*	Great Cormorant				S2S3B,S2S3N	50	17.3 ± 0.2	NS
A	*Cathartes aura*	Turkey Vulture				S2S3B,S4S5M	352	100.0 ± 12.6	NB
A	*Setophaga pinus*	Pine Warbler				S2S3B,S4S5M	53	20.0 ± 0.01	NS
A	*Icterus galbula*	Baltimore Oriole				S2S3B,SUM	165	11.8 ± 0.2	NS
A	*Pluvialis dominica*	American Golden-Plover				S2S3M	273	63.7 ± 0.5	NB
A	*Numenius phaeopus hudsonicus*	Whimbrel				S2S3M	264	61.5 ± 0.65	NS
A	*Phalaropus fulicarius*	Red Phalarope				S2S3M	4	58.1 ± 0.5	NB
A	*Perisoreus canadensis*	Canada Jay				S3	577	10.3 ± 0.01	NS
A	*Poecile hudsonicus*	Boreal Chickadee				S3	387	12.7 ± 0.01	NS
A	*Spinus pinus*	Pine Siskin				S3	562	100.0 ± 0.25	NB
A	*Salvelinus fontinalis*	Brook Trout				S3	173	10.0 ± 0.01	NS
A	*Sorex maritimensis*	Maritime Shrew				S3	2	21.3 ± 0.95	NS
A	*Synaptomys cooperi*	Southern Bog Lemming				S3	14	73.2 ± 0.5	NS
A	*Pekania pennanti*	Fisher				S3	22	15.4 ± 0.75	NS
A	*Calcarius lapponicus*	Lapland Longspur				S3?N,SUM	25	45.8 ± 0.2	NS
A	*Spatula discors*	Blue-winged Teal				S3B	147	12.0 ± 1.0	NS
A	*Charadrius vociferus*	Killdeer				S3B	657	12.9 ± 7.07	NS
A	*Tringa semipalmata*	Willet				S3B	1234	17.9 ± 7.07	NS
A	*Sterna paradisaea*	Arctic Tern				S3B	54	100.0 ± 0.15	NS
A	*Coccyzus erythropthalmus*	Black-billed Cuckoo				S3B	75	100.0 ± 0.2	NB
A	*Tyrannus tyrannus*	Eastern Kingbird				S3B	340	10.9 ± 0.1	NS
A	*Pheucticus ludovicianus*	Rose-breasted Grosbeak				S3B	647	11.8 ± 0.2	NS
A	*Alosa pseudoharengus*	Alewife				S3B	21	47.1 ± 0.2	NS
A	*Tringa melanoleuca*	Greater Yellowlegs				S3B,S4M	1777	20.9 ± 0.01	NS
A	*Falco sparverius*	American Kestrel				S3B,S4S5M	298	12.3 ± 0.01	NS
A	*Mergus serrator*	Red-breasted Merganser				S3B,S4S5N,S5M	253	100.0 ± 17.2	NB
A	*Gallinago delicata*	Wilson's Snipe				S3B,S5M	561	100.0 ± 0.25	NS
A	*Setophaga striata*	Blackpoll Warbler				S3B,S5M	100	100.0 ± 0.15	NB
A	*Cardellina pusilla*	Wilson's Warbler				S3B,S5M	148	13.4 ± 0.04	NS
A	*Pinicola enucleator*	Pine Grosbeak				S3B,S5N,S5M	97	10.3 ± 0.01	NS
A	*Setophaga tigrina*	Cape May Warbler				S3B,SUM	122	16.8 ± 0.25	NS
A	*Branta bernicla*	Brant				S3M	24	62.4 ± 0.5	NB
A	*Pluvialis squatarola*	Black-bellied Plover				S3M	1725	54.7 ± 0.5	NS
A	*Arenaria interpres*	Ruddy Turnstone				S3M	694	54.7 ± 0.5	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
A	*Calidris pusilla*	Semipalmated Sandpiper				S3M	1662	21.5 ± 0.01	NS
A	*Calidris melanotos*	Pectoral Sandpiper				S3M	420	57.5 ± 0.2	NS
A	*Chroicocephalus ridibundus*	Black-headed Gull				S3N	12	31.3 ± 0.53	NS
A	*Picoides arcticus*	Black-backed Woodpecker				S3S4	87	18.5 ± 7.07	NS
A	*Loxia curvirostra*	Red Crossbill				S3S4	337	13.1 ± 0.1	NS
A	*Sorex albibarbis*	Eastern Water Shrew				S3S4	3	85.7 ± 1.0	NB
A	*Botaurus lentiginosus*	American Bittern				S3S4B,S4S5M	330	12.9 ± 7.07	NS
A	*Setophaga castanea*	Bay-breasted Warbler				S3S4B,S4S5M	494	10.3 ± 0.04	NS
A	*Actitis macularius*	Spotted Sandpiper				S3S4B,S5M	1015	10.1 ± 0.1	NS
A	*Leiothlypis peregrina*	Tennessee Warbler				S3S4B,S5M	283	11.8 ± 0.1	NS
A	*Passerella iliaca*	Fox Sparrow				S3S4B,S5M	65	22.5 ± 0.2	NS
A	*Calidris maritima*	Purple Sandpiper				S3S4N	219	100.0 ± 17.2	NB
A	*Lanius borealis*	Northern Shrike				S3S4N	43	54.3 ± 0.2	NS
A	*Bucephala clangula*	Common Goldeneye				S4B,S4N,S5M	290	100.0 ± 17.2	NB
A	*Morus bassanus*	Northern Gannet				SHB	96	16.8 ± 0.2	NS
A	*Aythya americana*	Redhead				SHB	7	83.7 ± 0.2	NS
A	*Leucophaeus atricilla*	Laughing Gull				SHB	13	62.4 ± 0.5	NB
A	*Progne subis*	Purple Martin				SHB	20	18.5 ± 7.07	NS
A	*Eremophila alpestris*	Horned Lark				SHB,S4S5N,S5M	50	19.1 ± 0.2	NS
I	*Bombus bohemicus*	Ashton Cuckoo Bumble Bee	Endangered	Endangered	Endangered	S1	19	15.4 ± 0.05	NS
I	*Epeoloides pilosulus*	Macropis Cuckoo Bee	Endangered	Endangered	Endangered	S1	2	13.5 ± 5.0	NS
I	*Danaus plexippus*	Monarch	Endangered	Endangered	Endangered	S2?B,S3M	1297	10.8 ± 0.1	NS
I	*Barnea truncata*	Atlantic Mud-piddock	Threatened	Threatened		S1	6	74.9 ± 0.2	NS
I	*Bombus suckleyi*	Suckley's Cuckoo Bumble Bee	Threatened			SH	2	77.9 ± 5.0	NB
I	*Alasmidonta varicosa*	Brook Floater	Special Concern	Special Concern	Threatened	S3	2	61.3 ± 0.1	NS
I	*Bombus terricola*	Yellow-banded Bumble Bee	Special Concern	Special Concern	Vulnerable	S3	276	11.0 ± 0.01	NS
I	*Coccinella transversoguttata richardsoni*	Transverse Lady Beetle	Special Concern		Endangered	SH	5	12.7 ± 2.5	NS
I	*Erora laeta*	Early Hairstreak				S1	2	54.2 ± 2.5	NS
I	*Ophiogomphus anomalus*	Extra-Striped Snaketail				S1	8	70.5 ± 0.05	NS
I	*Pachydiplax longipennis*	Blue Dasher				S1	36	11.8 ± 0.2	NS
I	*Atlanticoncha ochracea*	Tidewater Mucket				S1	13	88.7 ± 0.4	NS
I	*Polygonia comma*	Eastern Comma				S1?	26	12.0 ± 0.2	NS
I	*Polygonia satyrus*	Satyr Comma				S1?	6	54.2 ± 2.5	NS
I	*Euphyes bimacula*	Two-spotted Skipper				S1S2	1	99.2 ± 0.05	NB
I	*Boloria chariclea grandis*	Purple Lesser Fritillary				S1S2	2	85.9 ± 2.5	NS
I	*Hippodamia tredecimpunctata tibialis*	Thirteen-spotted Lady Beetle				S2	16	85.0 ± 0.2	NB
I	*Satyrium acadica*	Acadian Hairstreak				S2	1	85.2 ± 5.0	NB
I	*Coenagrion resolutum*	Taiga Bluet				S2	7	75.7 ± 0.2	NS
I	*Margaritifera margaritifera*	Eastern Pearlshell				S2	45	14.7 ± 0.2	NS
I	*Pantala hymenaea*	Spot-Winged Glider				S2?B	7	36.5 ± 0.2	NS
I	*Nymphalis l-album j-album*	Compton Tortoiseshell				S2S3	26	45.6 ± 2.5	NS
I	*Aglais milberti*	Milbert's Tortoiseshell				S2S3	16	31.7 ± 2.5	NS
I	*Somatochlora kennedyi*	Kennedy's Emerald				S2S3	4	78.9 ± 0.1	NS
I	*Somatochlora williamsoni*	Williamson's Emerald				S2S3	4	27.9 ± 0.4	NS
I	*Williamsonia fletcheri*	Ebony Boghaunter				S2S3	3	65.2 ± 0.01	NS
I	*Enallagma geminatum*	Skimming Bluet				S2S3	6	45.5 ± 0.05	NS
I	*Stylurus scudderi*	Zebra Clubtail				S2S3	25	10.1 ± 0.1	NS
I	*Alasmidonta undulata*	Triangle Floater				S2S3	24	90.8 ± 0.1	NS
I	*Strophiona nitens*	Chestnut Bark Long-horned Beetle				S3	3	27.9 ± 0.4	NS
I	*Psephenus herricki*	Herrick's Water Penny Beetle				S3	2	72.1 ± 0.2	NS
I	*Pterostichus adoxus*	Unexpected Harp Ground Beetle				S3	1	73.5 ± 0.2	NS
I	*Lebia ornata*	Ornate Harp Ground Beetle				S3	1	60.9 ± 0.2	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
I	*Hippodamia parenthesis*	Parenthesis Lady Beetle				S3	9	53.6 ± 0.05	NS
I	*Disonycha pensylvanica*	Pennsylvania Flea Beetle				S3	1	50.5 ± 0.2	NS
I	*Omophron americanum*	American Round Sand Beetle				S3	5	93.5 ± 0.01	NS
I	*Chrysochus auratus*	Dogbane Leaf Beetle				S3	6	85.2 ± 0.2	NB
I	*Naemia seriata*	Seaside Lady Beetle				S3	65	12.3 ± 0.2	NS
I	*Pachyrhinus elegans*	Elegant Broad-nosed Weevil				S3	2	60.0 ± 0.2	NS
I	*Tachyerges ephippiatus*	Caparison Weevil				S3	1	93.2 ± 0.2	NB
I	*Chilocorus stigma*	Twice-stabbed Lady Beetle				S3	25	42.4 ± 0.2	NS
I	*Myzia pullata*	Streaked Lady Beetle				S3	5	76.7 ± 0.2	NS
I	*Iphthiminus opacus*	Cloudy Darkling Beetle				S3	1	85.4 ± 0.2	NB
I	*Monochamus marmorator*	Balsam Fir Sawyer				S3	3	85.1 ± 1.0	NB
I	*Dicerca tenebrosa*	Dark Jewel Beetle				S3	2	22.5 ± 0.2	NS
I	*Astylopsis sexguttata*	Six-speckled Long-horned Beetle				S3	2	93.3 ± 0.2	NB
I	*Satyrium calanus falacer*	Falacer Hairstreak				S3	49	11.3 ± 0.02	NS
I	*Callophrys lanoraieensis*	Bog Elfin				S3	19	17.8 ± 0.56	NS
I	*Strymon melinus*	Gray Hairstreak				S3	23	36.8 ± 2.5	NS
I	*Phanogomphus descriptus*	Harpoon Clubtail				S3	1	99.1 ± 0.01	NB
I	*Ophiogomphus aspersus*	Brook Snaketail				S3	7	71.8 ± 0.1	NS
I	*Ophiogomphus mainensis*	Maine Snaketail				S3	13	54.2 ± 0.1	NS
I	*Ophiogomphus rupinsulensis*	Rusty Snaketail				S3	16	43.5 ± 1.0	NS
I	*Epitheca princeps*	Prince Baskettail				S3	11	55.1 ± 1.0	NS
I	*Somatochlora forcipata*	Forcipate Emerald				S3	7	35.6 ± 1.0	NS
I	*Enallagma vernale*	Vernal Bluet				S3	1	96.1 ± 1.0	NS
I	*Polygonia interrogationis*	Question Mark				S3B	144	16.9 ± 0.01	NS
I	*Lepturopsis biforis*	Two-spotted Long-horned Beetle				S3S4	3	66.9 ± 0.2	NS
I	*Cecropterus pylades*	Northern Cloudywing				S3S4	8	85.2 ± 5.0	NB
I	*Amblyscirtes hegon*	Pepper and Salt Skipper				S3S4	6	66.7 ± 2.5	NS
I	*Cupido comyntas*	Eastern Tailed Blue				S3S4	32	17.2 ± 0.2	NS
I	*Argynnis aphrodite*	Aphrodite Fritillary				S3S4	1	50.0 ± 0.01	NS
I	*Argynnis aphrodite winni*	Aphrodite Fritillary				S3S4	35	18.9 ± 0.5	NS
I	*Polygonia faunus*	Green Comma				S3S4	28	18.9 ± 1.0	NS
I	*Oeneis jutta ascerta*	Jutta Arctic				S3S4	16	73.6 ± 0.1	NS
I	*Aeshna clepsydra*	Mottled Darner				S3S4	34	23.1 ± 1.0	NS
I	*Aeshna constricta*	Lance-Tipped Darner				S3S4	30	31.3 ± 0.2	NS
I	*Boyeria grafiana*	Ocellated Darner				S3S4	20	22.5 ± 0.2	NS
I	*Gomphaeschna furcillata*	Harlequin Darner				S3S4	42	13.5 ± 0.2	NS
I	*Somatochlora franklini*	Delicate Emerald				S3S4	3	35.6 ± 1.0	NS
I	*Erythrodiplax berenice*	Seaside Dragonlet				S3S4	6	75.6 ± 0.4	NS
I	*Nannothemis bella*	Elfin Skimmer				S3S4	26	100.0 ± 1.0	NS
I	*Sympetrum danae*	Black Meadowhawk				S3S4	10	39.1 ± 0.2	NS
I	*Enallagma vesperum*	Vesper Bluet				S3S4	23	11.7 ± 0.01	NS
I	*Amphiagrion saucium*	Eastern Red Damsel				S3S4	9	68.8 ± 0.24	NB
I	*Icaricia saepiolus amica*	Greenish Blue				SH	1	54.8 ± 2.5	NS
I	*Chlosyne nycteis*	Silvery Checkerspot				SH	8	36.8 ± 2.5	NS
I	*Polygonia gracilis*	Hoary Comma				SH	1	86.8 ± 7.07	NB
I	*Eristalis brousii*	Hourglass Drone Fly				SX	7	75.7 ± 0.2	NS
N	*Erioderma mollissimum*	Graceful Felt Lichen	Endangered	Endangered	Endangered	S1	36	60.7 ± 1.0	NS
N	*Erioderma pedicellatum (Atlantic pop.)*	Boreal Felt Lichen - Atlantic pop.	Endangered	Endangered	Endangered	S1	13	62.9 ± 0.5	NS
N	*Peltigera hydrothyria*	Eastern Waterfan	Threatened	Threatened	Threatened	S1	817	64.9 ± 0.01	NS
N	*Pannaria lurida*	Wrinkled Shingle Lichen	Threatened	Threatened	Threatened	S2S3	382	19.1 ± 0.01	NS
N	*Anzia colpodes*	Black-foam Lichen	Threatened	Threatened	Threatened	S3	235	11.3 ± 2.5	NS
N	*Fuscopannaria leucosticta*	White-rimmed Shingle Lichen	Threatened			S3	158	12.2 ± 0.1	NS
N	*Heterodermia squamulosa*	Scaly Fringe Lichen	Threatened			S3	158	100.0 ± 0.01	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
N	*Pectenia plumbea*	Blue Felt Lichen	Special Concern	Special Concern	Vulnerable	S3	698	13.5 ± 0.5	NS
N	*Sclerophora peronella (Atlantic pop.)*	Frosted Glass-whiskers (Atlantic population)	Special Concern	Special Concern		S3S4	142	11.9 ± 0.01	NS
N	*Pseudevernia cladonia*	Ghost Antler Lichen	Not At Risk			S2S3	45	57.5 ± 4.0	NS
N	*Fissidens exilis*	Pygmy Pocket Moss	Not At Risk			S3	17	16.6 ± 0.2	NS
N	*Radula obconica*	a scalewort				S1	1	21.7 ± 0.2	NS
N	*Aloina brevirostris*	Short-Beaked Rigid Screw Moss				S1	1	88.1 ± 2.5	NS
N	*Homalotheciella subcapillata*	Few-haired Moss				S1	2	47.4 ± 0.2	NS
N	*Orthotrichum gymnostomum*	Aspen Bristle Moss				S1	1	28.6 ± 0.2	NS
N	*Orthotrichum pallens*	Pale Bristle Moss				S1	1	51.0 ± 0.1	NS
N	*Seligeria calcarea*	Chalk Brittle Moss				S1	3	93.6 ± 0.2	NB
N	*Seligeria diversifolia*	a Moss				S1	1	67.0 ± 0.1	NB
N	*Sematophyllum demissum*	a Moss				S1	1	45.1 ± 1.6	NS
N	*Tetrodontium brownianum*	Little Georgia				S1	7	79.0 ± 0.1	NB
N	*Cyrto-hypnum minutulum*	Tiny Cedar Moss				S1	1	50.0 ± 0.1	NS
N	*Blennothallia crispa*	Crinkled Jelly Lichen				S1	1	95.5 ± 0.05	NS
N	*Umbilicaria vellea*	Grizzled Rocktripe Lichen				S1	1	79.5 ± 1.0	NB
N	*Usnea perplexans*	Powdered Beard Lichen				S1	2	61.8 ± 1.0	NS
N	*Heterodermia leucomela*	Elegant Fringe Lichen				S1	2	86.2 ± 0.01	NS
N	*Scytinium dactylinum*	Brown-buttoned Jellyskin Lichen				S1	2	17.7 ± 0.05	NS
N	*Flavoparmelia baltimorensis*	Rock Greenshield Lichen				S1	2	26.9 ± 0.2	NS
N	*Cetrariella delisei*	Snowbed Icelandmoss Lichen				S1	1	71.8 ± 1.0	NB
N	*Lathagrium cristatum*	Fingered Jelly Lichen				S1	6	77.2 ± 1.0	NB
N	*Ephebe hispidula*	Dryside Rockshag Lichen				S1	1	11.0 ± 0.05	NS
N	*Ephebe perspinulosa*	Thread Lichen				S1	2	14.0 ± 0.2	NS
N	*Fuscopannaria praetermissa*	Moss Shingles Lichen				S1	1	82.8 ± 0.05	NS
N	*Parmotrema perforatum*	Perforated Ruffle Lichen				S1	46	51.3 ± 0.01	NS
N	*Polychidium muscicola*	Eyed Mossthorns Woollybear Lichen				S1	11	100.0 ± 0.01	NB
N	*Pseudevernia consocians*	Common Antler Lichen				S1	1	80.2 ± 0.05	NS
N	*Psorula rufonigra*	Blue-edged Scale Lichen				S1	1	27.2 ± 8.0	NS
N	*Spilonema revertens*	Rock Hairball Lichen				S1	5	12.2 ± 0.2	NS
N	*Sticta limbata*	Powdered Moon Lichen				S1	12	60.5 ± 0.01	NS
N	*Lathagrium fuscovirens*	Crumpled Rock Tarpaper Lichen				S1	2	66.6 ± 0.05	NS
N	*Dermatocarpon miniatum*	Common Stippleback Lichen				S1	4	21.0 ± 0.01	NS
N	*Leptogium hibernicum*	Hibernia Jellyskin Lichen				S1	1	60.4 ± 0.01	NS
N	*Hypotrachyna horrescens*	Hairy-spined Shield Lichen				S1	2	75.8 ± 0.5	NS
N	*Peltigera lepidophora*	Scaly Pelt Lichen				S1	10	13.9 ± 0.2	NS
N	*Hypogymnia hultenii*	Powdered Honeycomb Lichen				S1	3	92.6 ± 0.5	NS
N	*Notothylas orbicularis*	Round Hornwort				S1?	1	18.4 ± 0.2	NS
N	*Calypogeia neogaea*	Common Pouchwort				S1?	3	32.1 ± 0.2	NS
N	*Jubula pennsylvanica*	a liverwort				S1?	14	17.2 ± 0.2	NS
N	*Aloina rigida*	Aloe-Like Rigid Screw Moss				S1?	2	86.8 ± 0.1	NS
N	*Brachythecium erythrorrhizon*	Taiga Ragged Moss				S1?	1	92.9 ± 0.6	NB
N	*Imbribryum muehlenbeckii*	Muehlenbeck's Bryum Moss				S1?	3	64.5 ± 0.01	NS
N	*Cirriphyllum piliferum*	Hair-pointed Moss				S1?	2	16.9 ± 0.2	NS
N	*Conardia compacta*	Coast Creeping Moss				S1?	1	78.6 ± 1.5	NB
N	*Tortula obtusifolia*	a Moss				S1?	1	65.3 ± 0.1	NB
N	*Didymodon tophaceus*	Olive Beard Moss				S1?	2	95.5 ± 0.01	NS
N	*Grimmia anodon*	Toothless Grimmia Moss				S1?	4	49.8 ± 3.0	NS
N	*Homomallium adnatum*	Adnate Hairy-gray Moss				S1?	2	51.8 ± 5.0	NS
N	*Meesia triquetra*	Three-ranked Cold Moss				S1?	3	39.5 ± 0.01	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
N	*Paludella squarrosa*	Tufted Fen Moss				S1?	3	94.1 ± 0.01	NS
N	*Physcomitrium immersum*	a Moss				S1?	9	11.9 ± 0.2	NS
N	*Platydictya minutissima*	Small Willow Moss				S1?	1	21.3 ± 0.2	NS
N	*Timmia norvegica*	a moss				S1?	3	78.9 ± 0.1	NB
N	*Trichodon cylindricus*	Cylindric Hairy-teeth Moss				S1?	5	16.5 ± 0.2	NS
N	*Plagiomnium ellipticum*	Marsh Leafy Moss				S1?	1	20.5 ± 0.01	NS
N	*Enchylium limosum*	Lime-loving Tarpaper Lichen				S1?	2	95.4 ± 0.2	NS
N	*Euopsis granatina*	Lesser Rockbud Lichen				S1?	1	13.8 ± 1.33	NS
N	*Scytinium intermedium*	Forty-five Jellyskin Lichen				S1?	1	95.5 ± 4.0	NS
N	*Melanelia culbersonii*	Appalachain Camouflage Lichen				S1?	1	88.6 ± 0.05	NS
N	*Peltigera malacea*	Veinless Pelt Lichen				S1?	2	82.8 ± 1.0	NB
N	*Peltigera venosa*	Fan Pelt Lichen				S1?	2	87.4 ± 0.01	NB
N	*Metzgeria crassipilis*	Hairy Veilwort				S1S2	2	88.7 ± 0.2	NS
N	*Porella pinnata*	Pinnate Scalewort				S1S2	3	30.9 ± 0.2	NS
N	*Reboulia hemisphaerica*	Purple-margined Liverwort				S1S2	2	16.0 ± 0.2	NS
N	*Arrhenopterum heterostichum*	One-sided Groove Moss				S1S2	2	46.3 ± 5.0	NS
N	*Brachythecium turgidum*	Thick Ragged Moss				S1S2	3	47.1 ± 3.0	NS
N	*Dicranoweisia crispula*	Mountain Thatch Moss				S1S2	1	86.3 ± 0.1	NB
N	*Didymodon rigidulus*	Rigid Screw Moss				S1S2	12	45.0 ± 0.15	NS
N	*Didymodon ferrugineus*	Rusty Beard Moss				S1S2	2	79.3 ± 0.1	NB
N	*Hygrohypnum montanum*	a Moss				S1S2	2	74.6 ± 1.0	NB
N	*Hypnum pratense*	Meadow Plait Moss				S1S2	2	46.5 ± 3.0	NS
N	*Mnium thomsonii*	Thomson's Leafy Moss				S1S2	1	83.8 ± 2.0	NS
N	*Tortula acaulon*	Cuspidate Earth Moss				S1S2	8	17.1 ± 0.2	NS
N	*Plagiothecium latebricola*	Alder Silk Moss				S1S2	3	78.5 ± 5.0	NS
N	*Platydictya confervoides*	a Moss				S1S2	1	84.1 ± 0.01	NS
N	*Sematophyllum marylandicum*	a Moss				S1S2	1	45.1 ± 0.1	NS
N	*Tortula mucronifolia*	Mucronate Screw Moss				S1S2	3	49.8 ± 3.0	NS
N	*Syntrichia papillosa*	a Moss				S1S2	3	30.9 ± 0.2	NS
N	*Pseudotaxiphyllum distichaceum*	a Moss				S1S2	1	15.6 ± 4.8	NS
N	*Hamatocaulis vernicosus*	a Moss				S1S2	5	39.5 ± 0.2	NS
N	*Haplocladium microphyllum*	Tiny-leaved Haplocladium Moss				S1S2	1	22.6 ± 3.2	NS
N	*Rhynchostegium serrulatum*	Dark Beaked Moss				S1S2	1	88.4 ± 2.0	NS
N	*Enchylium bachmanianum*	Bachman's Jelly Lichen				S1S2	2	71.0 ± 0.2	NS
N	*Sclerophora amabilis*	Collared Glass-whiskers Lichen				S1S2	3	16.7 ± 0.01	NS
N	*Cladonia sulphurina*	Greater Sulphur-cup Lichen				S1S2	6	87.4 ± 0.2	NB
N	*Peltigera ponojensis*	Pale-bellied Pelt Lichen				S1S2	5	83.7 ± 1.0	NB
N	*Pilophorus cereolus*	Powdered Matchstick Lichen				S1S2	1	41.4 ± 3.0	NS
N	*Rhizoplaca subdiscrepans*	Scattered Rock-posy Lichen				S1S2	8	16.2 ± 0.2	NS
N	*Parmotrema reticulatum*	Netted Ruffle Lichen				S1S2	15	13.8 ± 0.2	NS
N	*Parmeliella parvula*	Poor-man's Shingles Lichen				S1S2	1	92.8 ± 0.1	NS
N	*Radula tenax*	Tenacious Scalewort				S1S3	2	3.9 ± 0.2	NS
N	*Aphanorrhegma serratum*	Lidded Earth Moss				S1S3	1	22.2 ± 0.2	NS
N	*Chaenotheca hygrophila*	a lichen				S1S3	9	29.4 ± 0.2	NS
N	*Umbilicaria polyrhiza*	Ballpoint Rocktripe Lichen				S1S3	1	92.9 ± 0.01	NS
N	*Lecanora polytropa*	a lichen				S1S3	8	46.9 ± 1.0	NS
N	*Heterodermia galactophylla*	Branching Fringe Lichen				S1S3	5	64.3 ± 0.2	NS
N	*Xylopsora friesii*	a Lichen				S1S3	1	79.5 ± 1.0	NB
N	*Peltigera neckeri*	Black-saddle Pelt Lichen				S1S3	4	53.4 ± 0.01	NS
N	*Usnea fragilescens*	Inflationary Beard Lichen				S1S3	3	31.2 ± 0.2	NS
N	*Usnea chaetophora*	Articulated Beard Lichen				S1S3	2	59.1 ± 0.05	NS
N	*Stereocaulon intermedium*	Pacific Brain Foam Lichen				S1S3	11	19.0 ± 0.01	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
N	*Anacamptodon splachnoides*	a Moss				S2	4	30.9 ± 0.2	NS
N	*Scorpidium scorpioides*	Hooked Scorpion Moss				S2	4	88.6 ± 0.1	NB
N	*Sphagnum platyphyllum*	Flat-leaved Peat Moss				S2	3	17.3 ± 0.01	NS
N	*Sphagnum subnitens*	Lustrous Peat Moss				S2	4	57.2 ± 0.3	NS
N	*Scorpidium cossonii*	CossonΓÇÖs Hook Moss				S2	1	89.3 ± 1.0	NB
N	*Cystocoleus ebeneus*	Rockgossamer Lichen				S2	4	13.9 ± 0.26	NS
N	*Cladonia wainioi*	False Reindeer Lichen				S2	3	73.2 ± 0.2	NB
N	*Hypotrachyna catawbiensis*	Powder-tipped Antler Lichen				S2	63	57.5 ± 4.0	NS
N	*Scytinium imbricatum*	Scaly Jellyskin Lichen				S2	5	65.1 ± 0.05	NB
N	*Nephroma arcticum*	Arctic Kidney Lichen				S2	3	71.2 ± 0.01	NS
N	*Nephroma resupinatum*	a lichen				S2	9	15.9 ± 0.05	NS
N	*Placynthium flabellosum*	Scaly Ink Lichen				S2	11	12.8 ± 0.05	NS
N	*Anaptychia crinalis*	Hanging Fringed Lichen				S2	2	93.4 ± 8.0	NB
N	*Cololejeunea biddlecomiae*	Biddlecome's Pouncewort				S2?	1	17.6 ± 0.2	NS
N	*Moerckia flotoviana*	Flotow's Ruffwort				S2?	1	95.9 ± 0.01	NS
N	*Riccardia multifida*	Delicate Germanderwort				S2?	5	17.7 ± 0.2	NS
N	*Anomodon viticulosus*	a Moss				S2?	7	52.2 ± 0.2	NS
N	*Weissia muhlenbergiana*	a Moss				S2?	7	12.8 ± 0.2	NS
N	*Atrichum angustatum*	Lesser Smoothcap Moss				S2?	9	21.8 ± 0.36	NS
N	*Ptychostomum pendulum*	Drooping Bryum				S2?	1	88.1 ± 2.5	NS
N	*Drepanocladus polygamus*	Polygamous Hook Moss				S2?	8	17.3 ± 0.2	NS
N	*Pseudocampylium radicale*	Long-stalked Fine Wet Moss				S2?	3	46.5 ± 3.0	NS
N	*Climacium americanum*	American Tree Moss				S2?	10	45.0 ± 0.15	NS
N	*Dicranum condensatum*	Condensed Broom Moss				S2?	6	100.0 ± 0.01	NS
N	*Ditrichum rhynchostegium*	a Moss				S2?	5	48.2 ± 1.0	NS
N	*Fissidens bushii*	Bush's Pocket Moss				S2?	20	16.5 ± 0.2	NS
N	*Fontinalis hypnoides*	a moss				S2?	2	50.1 ± 0.5	NS
N	*Fontinalis sullivantii*	Sullivant's Water Moss				S2?	4	41.9 ± 0.01	NS
N	*Grimmia olneyi*	a Moss				S2?	10	44.9 ± 0.3	NS
N	*Grimmia anomala*	Mountain Forest Grimmia				S2?	1	69.0 ± 1.5	NS
N	*Hygrohypnum bestii*	Best's Brook Moss				S2?	3	21.7 ± 0.01	NS
N	*Orthotrichum anomalum*	Anomalous Bristle Moss				S2?	8	12.7 ± 0.2	NS
N	*Philonotis marchica*	a Moss				S2?	1	45.0 ± 0.15	NS
N	*Physcomitrium collenchymatum*	a Moss				S2?	1	47.1 ± 0.1	NS
N	*Platydictya jungermannioides*	False Willow Moss				S2?	3	79.3 ± 0.1	NB
N	*Rhytidium rugosum*	Wrinkle-leaved Moss				S2?	2	79.1 ± 1.0	NB
N	*Saelania glaucescens*	Blue Dew Moss				S2?	2	86.3 ± 0.1	NB
N	*Tortella fragilis*	Fragile Twisted Moss				S2?	1	78.9 ± 0.1	NB
N	*Anomobryum julaceum*	Slender Silver Moss				S2?	4	67.0 ± 0.1	NB
N	*Rauiella scita*	Smaller Fern Moss				S2?	16	44.7 ± 0.1	NS
N	*Cyrtomnium hymenophylloides*	Short-pointed Lantern Moss				S2?	7	78.9 ± 0.1	NB
N	*Platylomella lescurii*	a Moss				S2?	18	12.3 ± 0.2	NS
N	*Phylliscum demangeonii*	Black Rock-wafer Lichen				S2?	7	13.8 ± 0.34	NS
N	*Oxyrrhynchium hians*	Light Beaked Moss				S2S3	6	12.5 ± 5.0	NS
N	*Platydictya subtilis*	Bark Willow Moss				S2S3	5	12.8 ± 0.01	NS
N	*Plagiomnium rostratum*	Long-beaked Leafy Moss				S2S3	10	18.9 ± 3.6	NS
N	*Scorpidium revolvens*	Limprichtia Moss				S2S3	1	94.2 ± 0.01	NS
N	*Moelleropsis nebulosa*	Blue-gray Moss Shingle Lichen				S2S3	29	34.3 ± 0.08	NS
N	*Moelleropsis nebulosa ssp. frullaniae*	Blue-gray Moss Shingle Lichen				S2S3	5	80.2 ± 0.5	NS
N	*Ramalina thrausta*	Angelhair Ramalina Lichen				S2S3	18	62.8 ± 1.0	NS
N	*Collema leptaleum*	Crumpled Bat's Wing Lichen				S2S3	97	15.3 ± 32.0	NS
N	*Usnea ceratina*	Warty Beard Lichen				S2S3	3	62.1 ± 0.05	NS
N	*Usnea hirta*	Bristly Beard Lichen				S2S3	4	81.3 ± 0.2	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
N	*Usnea rubicunda*	Red Beard Lichen				S2S3	9	33.3 ± 0.2	NS
N	*Ahtiana aurescens*	Eastern Candlewax Lichen				S2S3	36	27.3 ± 0.01	NS
N	*Usnocetraria oakesiana*	Yellow Band Lichen				S2S3	24	15.0 ± 1.0	NS
N	*Catinaria atropurpurea*	a lichen				S2S3	2	68.7 ± 0.2	NS
N	*Cladonia incrassata*	Powder-foot British Soldiers Lichen				S2S3	3	59.0 ± 0.1	NS
N	*Cladonia mateocyatha*	Mixed-up Pixie-cup				S2S3	4	37.3 ± 0.01	NS
N	*Cladonia parasitica*	Fence-rail Lichen				S2S3	2	59.0 ± 0.1	NS
N	*Scytinium tenuissimum*	Birdnest Jellyskin Lichen				S2S3	5	72.4 ± 1.5	NS
N	*Melanelia hepatizon*	Rimmed Camouflage Lichen				S2S3	2	73.6 ± 1.0	NB
N	*Melanohalea septentrionalis*	Northern Camouflage Lichen				S2S3	5	84.4 ± 0.6	NS
N	*Myelochroa aurulenta*	Powdery Axil-bristle Lichen				S2S3	9	59.6 ± 0.05	NS
N	*Parmelia fertilis*	Fertile Shield Lichen				S2S3	11	25.4 ± 0.01	NS
N	*Hypotrachyna minarum*	Hairless-spined Shield Lichen				S2S3	14	13.2 ± 0.05	NS
N	*Parmeliopsis ambigua*	Green Starburst Lichen				S2S3	2	61.8 ± 2.0	NS
N	*Racodium rupestre*	Rockhair Lichen				S2S3	3	53.4 ± 0.01	NS
N	*Umbilicaria polyphylla*	Petalled Rocktripe Lichen				S2S3	2	61.8 ± 2.0	NS
N	*Usnea cavernosa*	Pitted Beard Lichen				S2S3	5	57.4 ± 0.2	NS
N	*Usnea mutabilis*	Bloody Beard Lichen				S2S3	4	67.4 ± 0.2	NS
N	*Fuscopannaria sorediata*	a Lichen				S2S3	18	27.3 ± 0.2	NS
N	*Stereocaulon condensatum*	Granular Soil Foam Lichen				S2S3	11	22.0 ± 0.2	NS
N	*Stereocaulon subcoralloides*	Coralloid Foam Lichen				S2S3	1	81.8 ± 1.0	NB
N	*Dimelaena oreina*	Golden Moonglow Lichen				S2S3	6	16.2 ± 0.2	NS
N	*Hypotrachyna revoluta*	Granulating Loop Lichen				S2S3	18	62.2 ± 0.2	NS
N	*Cetraria arenaria*	Sand-loving Icelandmoss Lichen				S2S3	35	20.1 ± 0.2	NS
N	*Cladonia coccifera*	Eastern Boreal Pixie-cup Lichen				S2S3	1	19.0 ± 0.01	NS
N	*Cladonia deformis*	Lesser Sulphur-cup Lichen				S2S3	11	66.9 ± 3.0	NS
N	*Cladonia phyllophora*	Felt Lichen				S2S3	2	52.4 ± 4.5	NS
N	*Hypotrachyna afrorevoluta*	Pustulate Revolute Loop Lichen				S2S3	9	56.8 ± 0.2	NS
N	*Usnea flammea*	Coastal Bushy Beard Lichen				S2S3	3	63.0 ± 0.05	NS
N	*Ephemerum serratum*	a Moss				S3	10	11.8 ± 0.2	NS
N	*Fissidens taxifolius*	Yew-leaved Pocket Moss				S3	16	17.1 ± 0.2	NS
N	*Anomodon tristis*	a Moss				S3	21	15.1 ± 0.2	NS
N	*Sphagnum contortum*	Twisted Peat Moss				S3	5	11.4 ± 0.2	NS
N	*Tetraplodon angustatus*	Toothed-leaved Nitrogen Moss				S3	6	20.4 ± 0.01	NS
N	*Rostania occultata*	Crusted Tarpaper Lichen				S3	9	16.4 ± 0.2	NS
N	*Collema nigrescens*	Blistered Tarpaper Lichen				S3	62	16.2 ± 0.01	NS
N	*Solorina saccata*	Woodland Owl Lichen				S3	20	67.1 ± 8.0	NB
N	*Fuscopannaria ahlneri*	Roughened Shingle Lichen				S3	55	17.7 ± 0.5	NS
N	*Scytinium lichenoides*	Tattered Jellyskin Lichen				S3	37	54.3 ± 0.7	NS
N	*Leptogium milligranum*	Stretched Jellyskin Lichen				S3	40	13.7 ± 0.01	NS
N	*Nephroma bellum*	Naked Kidney Lichen				S3	10	63.2 ± 9.0	NS
N	*Placynthium nigrum*	Common Ink Lichen				S3	4	79.5 ± 1.0	NB
N	*Punctelia appalachensis*	Appalachian Speckleback Lichen				S3	200	100.0 ± 0.01	NS
N	*Viridothelium virens*	a lichen				S3	10	43.4 ± 0.5	NS
N	*Ephebe lanata*	Waterside Rockshag Lichen				S3	14	12.8 ± 0.01	NS
N	*Phaeophyscia adiastola*	Powder-tipped Shadow Lichen				S3	26	18.5 ± 0.2	NS
N	*Phaeophyscia pusilloides*	Pompom-tipped Shadow Lichen				S3	12	57.6 ± 0.05	NS
N	*Peltigera collina*	Tree Pelt Lichen				S3	8	18.2 ± 0.2	NS
N	*Metzgeria conjugata*	Rock Veilwort				S3?	4	17.6 ± 0.53	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
N	*Barbula convoluta*	Lesser Bird's-claw Beard Moss				S3?	5	13.1 ± 0.2	NS
N	*Calliergon giganteum*	Giant Spear Moss				S3?	3	17.3 ± 0.01	NS
N	*Drummondia prorepens*	a Moss				S3?	10	30.7 ± 0.01	NS
N	*Elodium blandowii*	Blandow's Bog Moss				S3?	6	20.5 ± 0.01	NS
N	*Mnium stellare*	Star Leafy Moss				S3?	2	87.8 ± 1.5	NS
N	*Sphagnum lindbergii*	Lindberg's Peat Moss				S3?	5	67.1 ± 0.1	NB
N	*Sphagnum riparium*	Streamside Peat Moss				S3?	4	13.0 ± 0.21	NS
N	*Cladonia stygia*	Black-footed Reindeer Lichen				S3?	30	18.0 ± 0.2	NS
N	*Anomodon rugelii*	Rugel's Anomodon Moss				S3S4	11	12.6 ± 0.01	NS
N	*Dichelyma capillaceum*	Hairlike Dichelyma Moss				S3S4	8	48.4 ± 0.2	NS
N	*Dicranum leioneuron*	a Dicranum Moss				S3S4	1	87.1 ± 0.1	NB
N	*Encalypta ciliata*	Fringed Extinguisher Moss				S3S4	3	79.3 ± 0.1	NB
N	*Encalypta procera*	Slender Extinguisher Moss				S3S4	8	6.5 ± 0.2	NS
N	*Myurella julacea*	Small Mouse-tail Moss				S3S4	4	12.4 ± 0.01	NS
N	*Splachnum ampullaceum*	Cruet Dung Moss				S3S4	5	20.4 ± 0.01	NS
N	*Thamnobryum alleghaniense*	a Moss				S3S4	40	100.0 ± 0.01	NB
N	*Tomentypnum nitens*	Golden Fuzzy Fen Moss				S3S4	3	39.8 ± 0.2	NS
N	*Schistidium agassizii*	Elf Bloom Moss				S3S4	6	24.7 ± 0.01	NS
N	*Hylocomiastrum pyrenaicum*	a Feather Moss				S3S4	4	16.0 ± 0.01	NS
N	*Bryoria pseudofuscescens*	Mountain Horsehair Lichen				S3S4	18	43.1 ± 0.1	NS
N	*Enchylium tenax*	Soil Tarpaper Lichen				S3S4	6	46.9 ± 0.01	NS
N	*Sticta fuliginosa*	Peppered Moon Lichen				S3S4	73	27.6 ± 0.2	NS
N	*Arctoparmelia incurva*	Finger Ring Lichen				S3S4	39	16.2 ± 0.01	NS
N	*Scytinium teretiusculum*	Curly Jellyskin Lichen				S3S4	31	10.0 ± 0.2	NS
N	*Leptogium acadiense*	Acadian Jellyskin Lichen				S3S4	49	13.8 ± 0.01	NS
N	*Scytinium subtile*	Appressed Jellyskin Lichen				S3S4	37	17.1 ± 0.01	NS
N	*Felipes leucopellaeus*	a lichen				S3S4	7	27.4 ± 0.2	NS
N	*Bacidia laurocerasi*	a Lichen				S3S4	3	83.7 ± 1.0	NB
N	*Chaenotheca brachypoda*	a stubble lichen				S3S4	1	18.1 ± 0.2	NS
N	*Cladonia floerkeana*	Gritty British Soldiers Lichen				S3S4	10	65.1 ± 0.01	NS
N	*Vahliella leucophaea*	Shelter Shingle Lichen				S3S4	15	12.8 ± 0.05	NS
N	*Heterodermia speciosa*	Powdered Fringe Lichen				S3S4	133	12.8 ± 0.2	NS
N	*Leptogium corticola*	Blistered Jellyskin Lichen				S3S4	348	14.2 ± 0.2	NS
N	*Melanohalea olivacea*	Spotted Camouflage Lichen				S3S4	9	21.7 ± 0.2	NS
N	*Parmeliopsis hyperopta*	Gray Starburst Lichen				S3S4	4	62.9 ± 0.05	NS
N	*Parmotrema perlatum*	Powdered Ruffle Lichen				S3S4	72	46.5 ± 0.01	NS
N	*Peltigera hymenina*	Cloudy Pelt Lichen				S3S4	1	64.3 ± 1.5	NS
N	*Coccocarpia palmicola*	Salted Shell Lichen				S3S4	242	16.4 ± 0.01	NS
N	*Physcia caesia*	Blue-gray Rosette Lichen				S3S4	3	65.0 ± 20.0	NS
N	*Physcia tenella*	Fringed Rosette Lichen				S3S4	3	85.3 ± 3.0	NS
N	*Anaptychia palmulata*	Shaggy Fringed Lichen				S3S4	425	12.8 ± 0.2	NS
N	*Evernia prunastri*	Valley Oakmoss Lichen				S3S4	43	14.9 ± 0.01	NS
N	*Heterodermia neglecta*	Fringe Lichen				S3S4	178	100.0 ± 0.01	NS
P	*Geum peckii*	Eastern Mountain Avens	Endangered	Endangered	Endangered	S1	32	96.7 ± 0.0	NS
P	*Rhynchospora macrostachya*	Tall Beakrush	Endangered	Endangered	Endangered	S1	60	58.4 ± 0.01	NS
P	*Clethra alnifolia*	Coast Pepper-Bush	Endangered	Threatened	Vulnerable	S2	207	39.5 ± 0.01	NS
P	*Sabatia kennedyana*	Plymouth Gentian	Endangered	Endangered	Endangered	S2S3	2	75.9 ± 0.5	NS
P	*Trichostema dichotomum*	Forked Bluecurls	Threatened			S1	10	53.1 ± 0.01	NS
P	*Fraxinus nigra*	Black Ash	Threatened		Threatened	S1S2	911	10.5 ± 0.2	NS
P	*Hydrocotyle umbellata*	Water Pennywort	Special Concern	Special Concern	Endangered	S2	90	48.4 ± 2.9	NS
P	*Eleocharis tuberculosa*	Tubercled Spike-rush	Special Concern	Special Concern	Vulnerable	S2	1	80.3 ± 0.01	NS
P	*Lachnanthes caroliniana*	Redroot	Special Concern	Special Concern	Vulnerable	S2	1494	53.5 ± 0.01	NS
P	*Lophiola aurea*	Goldencrest	Special Concern	Special Concern	Vulnerable	S2	895	51.0 ± 0.01	NS
P	*Lilaeopsis chinensis*	Eastern Lilaeopsis	Special Concern	Special Concern	Vulnerable	S3	159	71.3 ± 0.01	NS
P	*Scirpus longii*	Long's Bulrush	Special Concern		Vulnerable	S3	645	45.6 ± 0.05	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
P	*Isoetes prototypus*	Prototype Quillwort	Special Concern	Special Concern	Vulnerable	S3	7	11.2 ± 0.1	NS
P	*Floerkea proserpinacoides*	False Mermaidweed	Not At Risk			S2S3	37	46.4 ± 1.0	NS
P	*Acer saccharinum*	Silver Maple				S1	34	52.3 ± 0.01	NS
P	*Toxicodendron vernix*	Poison Sumac				S1	42	60.3 ± 0.01	NS
P	*Osmorhiza depauperata*	Blunt Sweet Cicely				S1	1	66.7 ± 5.0	NS
P	*Antennaria rosea ssp. arida*	Rosy Pussytoes				S1	1	57.8 ± 0.5	NS
P	*Erigeron compositus*	Cut-leaved Fleabane				S1	1	70.9 ± 0.01	NS
P	*Nabalus racemosus*	Glaucous Rattlesnakeroot				S1	32	55.2 ± 0.2	NS
P	*Andersonglossum boreale*	Northern Wild Comfrey				S1	5	54.9 ± 0.1	NS
P	*Turritis glabra*	Tower Mustard				S1	2	44.2 ± 0.5	NS
P	*Lobelia spicata*	Pale-Spiked Lobelia				S1	7	74.1 ± 7.07	NS
P	*Silene antirrhina*	Sleepy Catchfly				S1	5	22.4 ± 0.01	NS
P	*Stellaria crassifolia*	Fleshy Stitchwort				S1	1	95.9 ± 2.5	NS
P	*Callitriche hermaphroditica*	Northern Water-starwort				S1	8	85.9 ± 0.01	NB
P	*Elatine americana*	American Waterwort				S1	3	94.9 ± 0.05	NB
P	*Astragalus robbinsii*	Robbins' Milkvetch				S1	2	57.8 ± 0.2	NS
P	*Astragalus robbinsii var. minor*	Robbins' Milkvetch				S1	33	57.7 ± 0.05	NS
P	*Gentianella amarella ssp. acuta*	Northern Gentian				S1	3	86.4 ± 0.25	NB
P	*Ribes americanum*	Wild Black Currant				S1	11	80.3 ± 1.0	NS
P	*Fraxinus pennsylvanica*	Red Ash				S1	54	45.3 ± 0.2	NS
P	*Polygonum achoreum*	Leathery Knotweed				S1	3	16.4 ± 10.0	NS
P	*Persicaria careyi*	Carey's Smartweed				S1	1	99.6 ± 5.0	NB
P	*Phytolacca americana*	Common Pokeweed				S1	3	52.7 ± 0.2	NS
P	*Podostemum ceratophyllum*	Horn-leaved Riverweed				S1	4	35.1 ± 0.1	NS
P	*Montia fontana*	Water Blinks				S1	2	61.9 ± 0.5	NS
P	*Lysimachia minima*	Chaffweed				S1	1	48.4 ± 0.01	NS
P	*Lysimachia quadrifolia*	Whorled Yellow Loosestrife				S1	1	98.4 ± 0.01	NS
P	*Clematis occidentalis*	Purple Clematis				S1	13	78.2 ± 0.01	NB
P	*Ranunculus pensylvanicus*	Pennsylvania Buttercup				S1	3	85.2 ± 0.1	NB
P	*Amelanchier nantucketensis*	Nantucket Serviceberry				S1	1	92.6 ± 1.0	NS
P	*Agalinis tenuifolia*	Slender Agalinis				S1	2	17.6 ± 0.2	NS
P	*Scrophularia lanceolata*	Lance-leaved Figwort				S1	4	24.7 ± 1.0	NS
P	*Veronica catenata*	Pink Water-Speedwell				S1	1	93.6 ± 0.01	NS
P	*Carex digitalis*	Slender Wood Sedge				S1	6	48.4 ± 0.2	NS
P	*Carex garberi*	Garber's Sedge				S1	3	89.3 ± 0.5	NB
P	*Carex laxiflora*	Loose-Flowered Sedge				S1	6	29.4 ± 5.0	NS
P	*Carex ormostachya*	Necklace Spike Sedge				S1	7	27.7 ± 0.01	NS
P	*Carex plantaginea*	Plantain-Leaved Sedge				S1	8	77.4 ± 0.2	NB
P	*Carex prairea*	Prairie Sedge				S1	3	57.1 ± 1.0	NS
P	*Carex tincta*	Tinged Sedge				S1	7	80.7 ± 1.7	NB
P	*Carex viridula var. saxilittoralis*	Greenish Sedge				S1	1	67.1 ± 0.2	NS
P	*Carex grisea*	Inflated Narrow-leaved Sedge				S1	3	96.4 ± 0.01	NB
P	*Carex saxatilis*	Russet Sedge				S1	14	89.8 ± 0.01	NB
P	*Eleocharis erythropoda*	Red-stemmed Spikerush				S1	7	76.1 ± 0.01	NB
P	*Fimbristylis autumnalis*	Slender Fimbry				S1	3	57.8 ± 0.2	NS
P	*Scirpus atrovirens*	Dark-green Bulrush				S1	3	80.0 ± 0.25	NS
P	*Schoenoplectus torreyi*	Torrey's Bulrush				S1	9	46.2 ± 0.01	NS
P	*Iris prismatica*	Slender Blue Flag				S1	1	46.1 ± 100.0	NS
P	*Sisyrinchium fuscatum*	Coastal Plain Blue-eyed-grass				S1	6	31.0 ± 1.5	NS
P	*Juncus secundus*	Secund Rush				S1	3	46.7 ± 3.0	NS
P	*Juncus vaseyi*	Vasey Rush				S1	4	92.4 ± 0.01	NB
P	*Triantha glutinosa*	Sticky False-Asphodel				S1	6	89.4 ± 0.5	NB
P	*Trillium grandiflorum*	White Trillium				S1	3	57.2 ± 1.0	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
P	*Malaxis monophyllos var. brachypoda*	North American White Adder's-mouth				S1	4	47.3 ± 0.5	NS
P	*Spiranthes casei var. casei*	Case's Ladies'-Tresses				S1	3	38.7 ± 0.4	NS
P	*Dichanthelium xanthophysum*	Slender Panic Grass				S1	10	60.3 ± 0.2	NS
P	*Elymus hystrix*	Spreading Wild Rye				S1	8	90.4 ± 0.01	NS
P	*Torreyochloa pallida var. pallida*	Pale False Manna Grass				S1	2	13.9 ± 0.01	NS
P	*Graphephorum melicoides*	Purple False Oats				S1	3	80.6 ± 0.01	NB
P	*Adiantum pedatum*	Northern Maidenhair Fern				S1	23	46.1 ± 100.0	NS
P	*Equisetum palustre*	Marsh Horsetail				S1	5	56.5 ± 5.0	NS
P	*Selaginella rupestris*	Rock Spikemoss				S1	45	67.6 ± 0.01	NS
P	*Solidago hispida*	Hairy Goldenrod				S1?	3	85.3 ± 0.5	NS
P	*Suaeda rolandii*	Roland's Sea-Blite				S1?	7	74.4 ± 0.25	NS
P	*Carex pensylvanica*	Pennsylvania Sedge				S1?	2	70.6 ± 10.0	NS
P	*Carex rostrata*	Narrow-leaved Beaked Sedge				S1?	1	90.8 ± 0.01	NB
P	*Bolboschoenus robustus*	Sturdy Bulrush				S1?	1	27.2 ± 5.0	NS
P	*Juncus anthelatus*	Greater Poverty Rush				S1?	1	7.3 ± 0.01	NS
P	*Allium schoenoprasum*	Wild Chives				S1?	16	39.0 ± 0.2	NS
P	*Allium schoenoprasum var. sibiricum*	Wild Chives				S1?	4	36.3 ± 7.07	NS
P	*Panicum dichotomiflorum ssp. puritanorum*	Spreading Panicgrass				S1?	6	50.3 ± 0.25	NS
P	*Huperzia selago*	Northern Firmoss				S1?	1	46.9 ± 1.0	NS
P	*Crocanthemum canadense*	Long-branched Frostweed			Endangered	S1S2	152	19.4 ± 0.01	NS
P	*Cypripedium arietinum*	Ram's-Head Lady's-Slipper			Endangered	S1S2	314	83.3 ± 2.0	NS
P	*Sanicula odorata*	Clustered Sanicle				S1S2	9	47.1 ± 2.0	NS
P	*Ageratina altissima*	White Snakeroot				S1S2	51	58.3 ± 0.1	NS
P	*Draba glabella*	Rock Whitlow-Grass				S1S2	14	46.9 ± 1.0	NS
P	*Proserpinaca intermedia*	Intermediate Mermaidweed				S1S2	4	42.4 ± 2.0	NS
P	*Carex haydenii*	Hayden's Sedge				S1S2	13	50.5 ± 0.01	NS
P	*Platanthera huronensis*	Fragrant Green Orchid				S1S2	10	62.4 ± 10.0	NS
P	*Woodsia alpina*	Alpine Cliff Fern				S1S2	12	73.6 ± 0.5	NB
P	*Selaginella selaginoides*	Low Spikemoss				S1S2	8	79.2 ± 0.4	NB
P	*Euphrasia farlowii*	Farlow's Eyebright				S1S3	2	93.9 ± 0.01	NS
P	*Zizia aurea*	Golden Alexanders				S2	14	86.2 ± 1.0	NB
P	*Antennaria parlinii ssp. fallax*	Parlin's Pussytoes				S2	40	47.4 ± 0.2	NS
P	*Rudbeckia laciniata*	Cut-Leaved Coneflower				S2	32	22.5 ± 7.07	NS
P	*Arabis pycnocarpa*	Cream-flowered Rockcress				S2	11	58.9 ± 0.1	NS
P	*Cardamine maxima*	Large Toothwort				S2	31	20.4 ± 4.0	NS
P	*Hudsonia ericoides*	Pinebarren Golden Heather				S2	174	14.1 ± 0.01	NS
P	*Desmodium canadense*	Canada Tick-trefoil				S2	17	49.4 ± 0.1	NS
P	*Hylodesmum glutinosum*	Large Tick-trefoil				S2	42	10.5 ± 0.01	NS
P	*Oxytropis campestris var. johannensis*	Field Locoweed				S2	29	57.8 ± 0.01	NS
P	*Conopholis americana*	American Cancer-root				S2	119	12.4 ± 0.01	NS
P	*Anemonastrum canadense*	Canada Anemone				S2	30	17.2 ± 0.2	NS
P	*Hepatica americana*	Round-lobed Hepatica				S2	65	10.8 ± 0.01	NS
P	*Ranunculus sceleratus*	Cursed Buttercup				S2	6	48.8 ± 0.2	NS
P	*Galium boreale*	Northern Bedstraw				S2	8	34.9 ± 0.1	NS
P	*Gratiola neglecta*	Clammy Hedge-Hyssop				S2	15	81.5 ± 0.05	NB
P	*Dirca palustris*	Eastern Leatherwood				S2	70	82.3 ± 0.2	NS
P	*Carex chordorrhiza*	Creeping Sedge				S2	2	97.0 ± 0.01	NB
P	*Carex pellita*	Woolly Sedge				S2	2	93.1 ± 0.01	NB
P	*Carex livida*	Livid Sedge				S2	3	80.5 ± 10.0	NS
P	*Juncus greenei*	Greene's Rush				S2	1	92.1 ± 0.01	NS
P	*Juncus alpinoarticulatus ssp.*	Northern Green Rush				S2	6	80.2 ± 0.5	NB

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
	americanus								
P	*Allium tricoccum*	Wild Leek				S2	162	7.3 ± 8.0	NS
P	*Lilium canadense*	Canada Lily				S2	39	43.7 ± 7.07	NS
P	*Cypripedium parviflorum var. pubescens*	Yellow Lady's-slipper				S2	19	43.0 ± 1.0	NS
P	*Cypripedium parviflorum var. makasin*	Small Yellow Lady's-Slipper				S2	15	39.2 ± 0.1	NS
P	*Cypripedium reginae*	Showy Lady's-Slipper				S2	34	67.1 ± 0.01	NB
P	*Platanthera flava var. flava*	Southern Rein Orchid				S2	19	53.8 ± 0.01	NS
P	*Platanthera flava var. herbiola*	Pale Green Orchid				S2	28	8.6 ± 1.0	NS
P	*Platanthera macrophylla*	Large Round-Leaved Orchid				S2	13	34.2 ± 0.01	NS
P	*Cinna arundinacea*	Sweet Wood Reed Grass				S2	41	47.0 ± 0.01	NS
P	*Elymus wiegandii*	Wiegand's Wild Rye				S2	1	87.2 ± 0.6	NB
P	*Festuca subverticillata*	Nodding Fescue				S2	10	57.6 ± 1.0	NS
P	*Piptatheropsis pungens*	Slender Ricegrass				S2	16	26.8 ± 0.0	NS
P	*Cryptogramma stelleri*	Steller's Rockbrake				S2	5	67.0 ± 0.1	NB
P	*Cuscuta cephalanthi*	Buttonbush Dodder				S2?	4	62.1 ± 0.02	NS
P	*Rumex persicarioides*	Peach-leaved Dock				S2?	1	78.6 ± 0.01	NS
P	*Crataegus submollis*	Quebec Hawthorn				S2?	6	87.5 ± 1.0	NS
P	*Carex peckii*	White-Tinged Sedge				S2?	4	83.7 ± 0.03	NB
P	*Thuja occidentalis*	Eastern White Cedar			Vulnerable	S2S3	521	3.7 ± 0.01	NS
P	*Osmorhiza longistylis*	Smooth Sweet Cicely				S2S3	16	46.7 ± 1.0	NS
P	*Erigeron philadelphicus*	Philadelphia Fleabane				S2S3	10	46.9 ± 0.5	NS
P	*Eutrochium dubium*	Coastal Plain Joe Pye Weed				S2S3	3	64.2 ± 0.05	NS
P	*Lactuca hirsuta*	Hairy Lettuce				S2S3	5	50.0 ± 1.0	NS
P	*Impatiens pallida*	Pale Jewelweed				S2S3	13	46.8 ± 0.5	NS
P	*Caulophyllum thalictroides*	Blue Cohosh				S2S3	66	13.3 ± 0.01	NS
P	*Draba arabisans*	Rock Whitlow-Grass				S2S3	43	46.5 ± 0.01	NS
P	*Boechera stricta*	Drummond's Rockcress				S2S3	21	46.5 ± 0.5	NS
P	*Stellaria humifusa*	Saltmarsh Starwort				S2S3	14	59.0 ± 1.0	NS
P	*Oxybasis rubra*	Red Goosefoot				S2S3	8	86.7 ± 1.0	NB
P	*Hypericum majus*	Large St John's-wort				S2S3	5	58.7 ± 0.01	NS
P	*Hypericum x dissimulatum*	Disguised St. John's-wort				S2S3	6	44.0 ± 0.1	NS
P	*Empetrum atropurpureum*	Purple Crowberry				S2S3	1	99.2 ± 7.07	NS
P	*Euphorbia polygonifolia*	Seaside Spurge				S2S3	12	77.6 ± 3.0	NS
P	*Myriophyllum farwellii*	Farwell's Water Milfoil				S2S3	12	44.3 ± 0.25	NS
P	*Hedeoma pulegioides*	American False Pennyroyal				S2S3	63	27.1 ± 5.0	NS
P	*Oenothera fruticosa ssp. tetragona*	Narrow-leaved Evening Primrose				S2S3	22	65.7 ± 0.01	NS
P	*Polygala polygama*	Racemed Milkwort				S2S3	50	27.5 ± 0.2	NS
P	*Polygonum aviculare ssp. buxiforme*	Box Knotweed				S2S3	5	17.9 ± 7.07	NS
P	*Polygonum oxyspermum ssp. raii*	Ray's Knotweed				S2S3	5	82.2 ± 1.0	NS
P	*Rumex triangulivalvis*	Triangular-valve Dock				S2S3	16	57.1 ± 1.0	NS
P	*Primula mistassinica*	Mistassini Primrose				S2S3	15	87.8 ± 0.1	NB
P	*Anemone quinquefolia*	Wood Anemone				S2S3	55	10.3 ± 0.01	NS
P	*Caltha palustris*	Yellow Marsh Marigold				S2S3	25	17.1 ± 0.2	NS
P	*Amelanchier fernaldii*	Fernald's Serviceberry				S2S3	1	60.9 ± 7.07	NS
P	*Potentilla canadensis*	Canada Cinquefoil				S2S3	18	47.6 ± 0.2	NS
P	*Galium obtusum*	Blunt-leaved Bedstraw				S2S3	9	8.0 ± 0.01	NS
P	*Salix pellita*	Satiny Willow				S2S3	19	24.0 ± 7.07	NS
P	*Tiarella stolonifera*	Stoloniferous Foamflower				S2S3	41	54.2 ± 0.01	NS
P	*Agalinis purpurea var. parviflora*	Small-flowered Purple False Foxglove				S2S3	6	89.3 ± 1.0	NB
P	*Boehmeria cylindrica*	Small-spike False-nettle				S2S3	58	12.1 ± 0.2	NS
P	*Carex adusta*	Lesser Brown Sedge				S2S3	5	64.4 ± 7.07	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
P	*Carex capillaris*	Hairlike Sedge				S2S3	24	57.8 ± 0.2	NS
P	*Carex comosa*	Bearded Sedge				S2S3	13	33.7 ± 1.9	NS
P	*Carex houghtoniana*	Houghton's Sedge				S2S3	13	44.8 ± 0.25	NS
P	*Carex hystericina*	Porcupine Sedge				S2S3	10	20.4 ± 1.0	NS
P	*Carex longii*	Long's Sedge				S2S3	4	69.8 ± 10.0	NS
P	*Carex scirpoidea*	Scirpuslike Sedge				S2S3	6	92.2 ± 0.01	NB
P	*Eleocharis ovata*	Ovate Spikerush				S2S3	11	52.2 ± 0.5	NS
P	*Scirpus pedicellatus*	Stalked Bulrush				S2S3	14	80.9 ± 5.0	NS
P	*Vallisneria americana*	Wild Celery				S2S3	35	56.0 ± 0.01	NS
P	*Najas gracillima*	Thread-Like Naiad				S2S3	22	50.8 ± 1.5	NS
P	*Goodyera pubescens*	Downy Rattlesnake-Plantain				S2S3	121	4.4 ± 0.2	NS
P	*Spiranthes casei*	Case's Ladies'-Tresses				S2S3	2	54.7 ± 7.07	NS
P	*Spiranthes casei var. novaescotiae*	Case's Ladies'-Tresses				S2S3	7	8.1 ± 0.5	NS
P	*Spiranthes lucida*	Shining Ladies'-Tresses				S2S3	20	6.4 ± 1.6	NS
P	*Calamagrostis stricta*	Slim-stemmed Reed Grass				S2S3	4	86.5 ± 0.01	NB
P	*Potamogeton friesii*	Fries' Pondweed				S2S3	10	54.0 ± 2.0	NS
P	*Cystopteris laurentiana*	Laurentian Bladder Fern				S2S3	1	91.6 ± 1.0	NB
P	*Woodsia glabella*	Smooth Cliff Fern				S2S3	68	68.5 ± 1.0	NB
P	*Botrychium lanceolatum ssp. angustisegmentum*	Narrow Triangle Moonwort				S2S3	13	46.9 ± 1.0	NS
P	*Botrychium simplex*	Least Moonwort				S2S3	6	61.4 ± 1.0	NS
P	*Ophioglossum pusillum*	Northern Adder's-tongue				S2S3	7	26.3 ± 7.07	NS
P	*Potamogeton pulcher*	Spotted Pondweed			Vulnerable	S3	32	33.7 ± 0.01	NS
P	*Conioselinum chinense*	Chinese Hemlock-parsley				S3	35	40.2 ± 1.5	NS
P	*Hieracium robinsonii*	Robinson's Hawkweed				S3	16	83.2 ± 0.78	NB
P	*Iva frutescens*	Big-leaved Marsh-elder				S3	95	57.5 ± 0.2	NS
P	*Senecio pseudoarnica*	Seabeach Ragwort				S3	1	99.2 ± 0.2	NS
P	*Symphyotrichum boreale*	Boreal Aster				S3	9	43.6 ± 0.01	NS
P	*Symphyotrichum ciliolatum*	Fringed Blue Aster				S3	18	46.4 ± 1.0	NS
P	*Symphyotrichum undulatum*	Wavy-leaved Aster				S3	167	11.1 ± 0.2	NS
P	*Alnus serrulata*	Smooth Alder				S3	706	44.8 ± 0.05	NS
P	*Betula michauxii*	Michaux's Dwarf Birch				S3	57	51.6 ± 0.01	NS
P	*Cardamine parviflora*	Small-flowered Bittercress				S3	15	29.7 ± 7.07	NS
P	*Palustricodon aparinoides*	Marsh Bellflower				S3	16	29.9 ± 1.0	NS
P	*Lobelia kalmii*	Brook Lobelia				S3	9	86.2 ± 1.0	NB
P	*Mononeuria groenlandica*	Greenland Stitchwort				S3	144	42.8 ± 0.1	NS
P	*Sagina nodosa*	Knotted Pearlwort				S3	32	42.2 ± 3.0	NS
P	*Sagina nodosa ssp. borealis*	Knotted Pearlwort				S3	2	67.6 ± 5.0	NS
P	*Stellaria longifolia*	Long-leaved Starwort				S3	4	77.0 ± 0.01	NB
P	*Ceratophyllum echinatum*	Prickly Hornwort				S3	11	27.4 ± 0.2	NS
P	*Triosteum aurantiacum*	Orange-fruited Tinker's Weed				S3	36	89.2 ± 0.2	NS
P	*Viburnum edule*	Squashberry				S3	14	80.1 ± 0.01	NB
P	*Empetrum eamesii*	Pink Crowberry				S3	1	92.1 ± 0.01	NS
P	*Vaccinium uliginosum*	Alpine Bilberry				S3	1	87.7 ± 0.2	NB
P	*Halenia deflexa*	Spurred Gentian				S3	10	80.7 ± 1.7	NB
P	*Geranium bicknellii*	Bicknell's Crane's-bill				S3	30	16.8 ± 0.2	NS
P	*Myriophyllum verticillatum*	Whorled Water Milfoil				S3	6	83.2 ± 1.0	NB
P	*Utricularia resupinata*	Inverted Bladderwort				S3	18	51.3 ± 0.01	NS
P	*Epilobium densum*	Downy Willowherb				S3	16	58.0 ± 3.0	NS
P	*Polygala sanguinea*	Blood Milkwort				S3	30	13.4 ± 0.1	NS
P	*Persicaria arifolia*	Halberd-leaved Tearthumb				S3	20	45.3 ± 0.01	NS
P	*Plantago rugelii*	Rugel's Plantain				S3	9	30.3 ± 0.01	NS
P	*Primula laurentiana*	Laurentian Primrose				S3	82	16.4 ± 0.2	NS
P	*Samolus parviflorus*	Seaside Brookweed				S3	62	71.4 ± 0.01	NS
P	*Pyrola minor*	Lesser Pyrola				S3	6	51.8 ± 7.07	NS
P	*Anemone virginiana*	Virginia Anemone				S3	13	68.7 ± 0.01	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
P	*Cephalanthus occidentalis*	Common Buttonbush				S3	1983	39.4 ± 0.01	NS
P	*Salix pedicellaris*	Bog Willow				S3	96	42.5 ± 0.01	NS
P	*Salix sericea*	Silky Willow				S3	146	11.0 ± 0.01	NS
P	*Saxifraga paniculata ssp. laestadii*	Laestadius' Saxifrage				S3	53	57.8 ± 0.5	NS
P	*Lindernia dubia*	Yellow-seeded False Pimperel				S3	22	12.0 ± 0.2	NS
P	*Laportea canadensis*	Canada Wood Nettle				S3	39	21.2 ± 0.2	NS
P	*Pilea pumila*	Dwarf Clearweed				S3	12	38.1 ± 0.2	NS
P	*Viola nephrophylla*	Northern Bog Violet				S3	19	66.5 ± 1.0	NS
P	*Carex bebbii*	Bebb's Sedge				S3	23	83.0 ± 0.01	NS
P	*Carex cryptolepis*	Hidden-scaled Sedge				S3	17	42.0 ± 3.0	NS
P	*Carex eburnea*	Bristle-leaved Sedge				S3	16	77.1 ± 0.2	NB
P	*Carex hirtifolia*	Pubescent Sedge				S3	19	90.5 ± 0.01	NS
P	*Carex lupulina*	Hop Sedge				S3	75	7.6 ± 0.2	NS
P	*Carex rosea*	Rosy Sedge				S3	53	10.5 ± 0.01	NS
P	*Carex swanii*	Swan's Sedge				S3	87	8.2 ± 0.01	NS
P	*Carex tenera*	Tender Sedge				S3	7	8.5 ± 0.01	NS
P	*Carex tribuloides*	Blunt Broom Sedge				S3	19	15.2 ± 0.01	NS
P	*Carex tuckermanii*	Tuckerman's Sedge				S3	34	85.3 ± 0.01	NS
P	*Carex atratiformis*	Scabrous Black Sedge				S3	4	87.2 ± 0.5	NB
P	*Eleocharis nitida*	Quill Spikerush				S3	18	8.6 ± 7.07	NS
P	*Eleocharis flavescens var. olivacea*	Bright-green Spikerush				S3	14	22.1 ± 0.1	NS
P	*Eleocharis quinqueflora*	Few-flowered Spikerush				S3	11	85.3 ± 0.5	NS
P	*Eriophorum gracile*	Slender Cottongrass				S3	8	5.9 ± 1.5	NS
P	*Coeloglossum viride*	Long-bracted Frog Orchid				S3	14	54.1 ± 0.01	NS
P	*Cypripedium parviflorum*	Yellow Lady's-slipper				S3	584	57.1 ± 1.0	NS
P	*Neottia bifolia*	Southern Twayblade				S3	112	8.9 ± 0.01	NS
P	*Platanthera flava*	Southern Rein-Orchid				S3	38	47.0 ± 0.01	NS
P	*Platanthera grandiflora*	Large Purple Fringed Orchid				S3	39	46.4 ± 1.0	NS
P	*Platanthera hookeri*	Hooker's Orchid				S3	29	6.8 ± 1.0	NS
P	*Dichanthelium linearifolium*	Narrow-leaved Panic Grass				S3	17	6.6 ± 7.07	NS
P	*Piptatheropsis canadensis*	Canada Ricegrass				S3	15	51.0 ± 0.01	NS
P	*Poa glauca*	Glaucous Blue Grass				S3	25	46.6 ± 0.5	NS
P	*Stuckenia filiformis*	Thread-leaved Pondweed				S3	7	34.4 ± 7.07	NS
P	*Potamogeton praelongus*	White-stemmed Pondweed				S3	12	57.7 ± 1.0	NS
P	*Potamogeton richardsonii*	Richardson's Pondweed				S3	7	47.0 ± 1.0	NS
P	*Potamogeton zosteriformis*	Flat-stemmed Pondweed				S3	11	54.9 ± 1.0	NS
P	*Asplenium viride*	Green Spleenwort				S3	24	72.5 ± 0.5	NB
P	*Dryopteris fragrans*	Fragrant Wood Fern				S3	77	73.2 ± 1.0	NB
P	*Sceptridium dissectum*	Dissected Moonwort				S3	8	22.1 ± 1.0	NS
P	*Polypodium appalachianum*	Appalachian Polypody				S3	46	7.1 ± 0.01	NS
P	*Persicaria amphibia var. emersa*	Long-root Smartweed				S3?	45	46.8 ± 0.01	NS
P	*Spiranthes ochroleuca*	Yellow Ladies'-tresses				S3?	55	3.2 ± 1.0	NS
P	*Diphasiastrum x sabinifolium*	Savin-leaved Ground-cedar				S3?	12	13.4 ± 0.25	NS
P	*Bidens vulgata*	Tall Beggarticks				S3S4	4	63.8 ± 0.2	NS
P	*Erigeron hyssopifolius*	Hyssop-leaved Fleabane				S3S4	79	75.8 ± 0.2	NB
P	*Hieracium paniculatum*	Panicled Hawkweed				S3S4	53	11.1 ± 0.2	NS
P	*Bidens beckii*	Water Beggarticks				S3S4	41	26.6 ± 0.2	NS
P	*Packera paupercula*	Balsam Groundsel				S3S4	94	83.9 ± 0.41	NS
P	*Atriplex glabriuscula var. franktonii*	Frankton's Saltbush				S3S4	17	47.1 ± 0.01	NS
P	*Shepherdia canadensis*	Soapberry				S3S4	114	66.5 ± 0.54	NS
P	*Vaccinium boreale*	Northern Blueberry				S3S4	2	75.5 ± 0.5	NS
P	*Vaccinium cespitosum*	Dwarf Bilberry				S3S4	104	11.0 ± 0.01	NS
P	*Vaccinium corymbosum*	Highbush Blueberry				S3S4	75	100.0 ± 0.01	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
P	*Fagus grandifolia*	American Beech				S3S4	895	10.2 ± 0.04	NS
P	*Bartonia virginica*	Yellow Bartonia				S3S4	43	22.3 ± 0.5	NS
P	*Proserpinaca pectinata*	Comb-leaved Mermaidweed				S3S4	82	31.7 ± 1.3	NS
P	*Decodon verticillatus*	Swamp Loosestrife				S3S4	236	36.5 ± 0.01	NS
P	*Nuphar microphylla*	Small Yellow Pond-lily				S3S4	9	32.4 ± 0.2	NS
P	*Persicaria pensylvanica*	Pennsylvania Smartweed				S3S4	40	12.1 ± 0.2	NS
P	*Fallopia scandens*	Climbing False Buckwheat				S3S4	20	21.3 ± 0.01	NS
P	*Rumex pallidus*	Seabeach Dock				S3S4	4	64.9 ± 0.2	NB
P	*Pyrola asarifolia*	Pink Pyrola				S3S4	13	46.9 ± 1.0	NS
P	*Endotropis alnifolia*	Alder-leaved Buckthorn				S3S4	29	53.8 ± 0.3	NS
P	*Amelanchier spicata*	Running Serviceberry				S3S4	71	11.0 ± 0.01	NS
P	*Fragaria vesca ssp. americana*	Woodland Strawberry				S3S4	27	58.0 ± 0.01	NS
P	*Fragaria vesca*	Woodland Strawberry				S3S4	3	85.7 ± 0.2	NB
P	*Galium aparine*	Common Bedstraw				S3S4	35	38.2 ± 0.2	NS
P	*Geocaulon lividum*	Northern Comandra				S3S4	12	28.2 ± 1.5	NS
P	*Limosella australis*	Southern Mudwort				S3S4	8	76.0 ± 0.01	NS
P	*Ulmus americana*	White Elm				S3S4	128	10.9 ± 0.01	NS
P	*Verbena hastata*	Blue Vervain				S3S4	131	5.0 ± 0.2	NS
P	*Viola sagittata var. ovata*	Arrow-Leaved Violet				S3S4	92	4.4 ± 0.01	NS
P	*Viola selkirkii*	Great-Spurred Violet				S3S4	7	46.9 ± 1.0	NS
P	*Symplocarpus foetidus*	Eastern Skunk Cabbage				S3S4	103	27.3 ± 0.2	NS
P	*Carex argyrantha*	Silvery-flowered Sedge				S3S4	31	27.4 ± 0.5	NS
P	*Sisyrinchium atlanticum*	Eastern Blue-Eyed-Grass				S3S4	127	25.4 ± 0.35	NS
P	*Triglochin gaspensis*	Gasp ├⌐ Arrowgrass				S3S4	24	72.6 ± 0.1	NB
P	*Juncus acuminatus*	Sharp-Fruit Rush				S3S4	11	8.4 ± 1.0	NS
P	*Juncus subcaudatus*	Woods-Rush				S3S4	11	12.7 ± 2.0	NS
P	*Luzula parviflora ssp. melanocarpa*	Black-fruited Woodrush				S3S4	12	31.0 ± 7.07	NS
P	*Goodyera repens*	Lesser Rattlesnake-plantain				S3S4	25	7.2 ± 0.01	NS
P	*Liparis loeselii*	Loesel's Twayblade				S3S4	15	43.0 ± 1.0	NS
P	*Platanthera obtusata*	Blunt-leaved Orchid				S3S4	17	52.9 ± 2.0	NS
P	*Platanthera orbiculata*	Small Round-leaved Orchid				S3S4	53	18.1 ± 0.01	NS
P	*Alopecurus aequalis*	Short-awned Foxtail				S3S4	7	25.0 ± 0.01	NS
P	*Dichanthelium clandestinum*	Deer-tongue Panic Grass				S3S4	278	10.1 ± 0.1	NS
P	*Coleataenia longifolia*	Long-leaved Panicgrass				S3S4	1637	47.0 ± 0.05	NS
P	*Panicum philadelphicum*	Philadelphia Panicgrass				S3S4	35	21.6 ± 0.01	NS
P	*Koeleria spicata*	Narrow False Oats				S3S4	35	57.8 ± 0.5	NS
P	*Asplenium trichomanes*	Maidenhair Spleenwort				S3S4	32	12.4 ± 0.01	NS
P	*Lorinseria areolata*	Netted Chain Fern				S3S4	113	57.2 ± 0.01	NS
P	*Equisetum pratense*	Meadow Horsetail				S3S4	11	12.3 ± 0.01	NS
P	*Diphasiastrum complanatum*	Northern Ground-cedar				S3S4	18	8.1 ± 0.01	NS
P	*Diphasiastrum sitchense*	Sitka Ground-cedar				S3S4	2	67.0 ± 1.0	NS
P	*Huperzia appressa*	Mountain Firmoss				S3S4	49	45.9 ± 0.5	NS
P	*Sceptridium multifidum*	Leathery Moonwort				S3S4	14	18.5 ± 0.2	NS
P	*Botrychium matricariifolium*	Daisy-leaved Moonwort				S3S4	11	50.6 ± 0.2	NS
P	*Bidens discoidea*	Swamp Beggarticks				SH	1	46.9 ± 0.25	NS
P	*Viola canadensis*	Canada Violet				SH	1	86.8 ± 0.75	NS
P	*Dichanthelium meridionale*	Matting Witchgrass				SH	1	51.3 ± 10.0	NS

5.1 SOURCE BIBLIOGRAPHY (100 km)

The recipient of these data shall acknowledge the AC CDC and the data sources listed below in any documents, reports, publications or presentations, in which this dataset makes a significant contribution.

# recs	CITATION
12560	Morrison, Guy. 2011. Maritime Shorebird Survey (MSS) database. Canadian Wildlife Service, Ottawa, 15939 surveys. 86171 recs.
6993	Lepage, D. 2014. Maritime Breeding Bird Atlas Database. Bird Studies Canada, Sackville NB, 407,838 recs.
5401	iNaturalist.ca. 2023. iNaturalist Data Export December 2022. iNaturalist.org; iNaturalist.ca, Web site: 128634 recs.
3363	Erskine, A.J. 1992. Maritime Breeding Bird Atlas Database. NS Museum & Nimbus Publ., Halifax, 82,125 recs.
2977	Pardieck, K.L., Ziolkowski Jr., D.J., Lutmerding, M., Aponte, V.I., and Hudson, M-A.R. 2020. North American Breeding Bird Survey Dataset 1966 - 2019: U.S. Geological Survey data release, https://doi.org/10.5066/P9J6QUF6
2481	iNaturalist. 2020. iNaturalist Data Export 2020. iNaturalist.org and iNaturalist.ca, Web site: 128728 recs.
1694	McNeil, J.A. 2010. Ribbonsnake (Thamophis sauritus) sightings, 1900-2009. Parks Canada, 2521 recs of 716+ individuals.
1592	iNaturalist.ca. 2024. iNaturalist Data Export December 2023. iNaturalist.org; iNaturalist.ca.
1557	Paquet, Julie. 2018. Atlantic Canada Shorebird Survey (ACSS) database 2012-2018. Environment Canada, Canadian Wildlife Service.
1334	eBird. 2014. eBird Basic Dataset. Version: EBD_relNov-2014. Ithaca, New York. Nov 2014. Cornell Lab of Ornithology, 25036 recs.
1288	Blaney, C.S.; Mazerolle, D.M. 2010. Fieldwork 2010. Atlantic Canada Conservation Data Centre. Sackville NB, 15508 recs.
1211	Blaney, C.S.; Mazerolle, D.M.; Belliveau, A.B. 2013. Atlantic Canada Conservation Data Centre Fieldwork 2013. Atlantic Canada Conservation Data Centre, 9000+ recs.
1108	eBird. 2020. eBird Basic Dataset. Version: EBD_relNov-2019. Ithaca, New York. Nov 2019, Cape Breton Bras d'Or Lakes Watershed subset. Cornell Lab of Ornithology.
1076	Blaney, C.S.; Mazerolle, D.M. 2012. Fieldwork 2012. Atlantic Canada Conservation Data Centre, 13,278 recs.
1028	Belliveau, A. 2012. 2012 Atlantic Coastal Plain Flora observations. Mersey Tobeatic Research Institute, 1543.
963	SwiftWatch. 2022. Total Chimney Swift counts from roost watches for the duration of the SwiftWatch program (2011-2021). Birds Canada.
873	Phinney, Lori. 2020. Pre- and post White-nose Syndrome bat acoustic monitoring, NS. Mersey Tobeatic Research Institute, 1279 recs.
855	Belliveau, A.G. 2020. E.C. Smith Herbarium and Atlantic Canada Conservation Data Centre Fieldwork 2019, 2020. E.C. Smith Herbarium.
853	iNaturalist.ca. 2024. iNaturalist Data Export December 2023 botany records. iNaturalist.org; iNaturalist.ca.
734	Toms, Brad. 2012. Atlantic Coastal Plain Flora records, 2011. Mersey-Tobiatic Research Institute, 1109 recs.
732	Blaney, C.S.; Mazerolle, D.M.; Belliveau, A.B. 2014. Atlantic Canada Conservation Data Centre Fieldwork 2014. Atlantic Canada Conservation Data Centre, # recs.
713	Brooks, Delaney. 2023. Port of Saint John Waterbird Survey since 2019. Nature NB.
687	Benjamin, L.K. (compiler). 2007. Significant Habitat & Species Database. Nova Scotia Dept Natural Resources, 8439 recs.
682	Paquet, Julie. 2019. Atlantic Canada Shorebird Survey ACSS database for 2019. Environment Canada, Canadian Wildlife Service.
622	Cameron, E. 2008. Canadian Gypsum Co. survey 2007-08. Conestoga-Rovers & Assoc., 623 recs.
583	Churchill, J.L. 2018. Atlantic Canada Conservation Data Centre Fieldwork 2018. Atlantic Canada Conservation Data Centre, 907 recs.
549	Coastal Action. 2023. 2023 Coastal Action SAR Data. Coastal Action, 552 recs.
482	Newell, R.E. 2000. E.C. Smith Herbarium Database. Acadia University, Wolfville NS, 7139 recs.
462	Blaney, C.S.; Mazerolle, D.M.; Belliveau, A.B. 2015. Atlantic Canada Conservation Data Centre Fieldwork 2015. Atlantic Canada Conservation Data Centre, # recs.
420	Jessica Ferguson. 2023. SAR observations for Clean Annapolis River Project - 2020-2023. Clean Annapolis River Project (CARP).
417	Clayden, S. Digitization of Wolfgang Maass Nova Scotia forest lichen collections, 1964-2004. New Brunswick Museum. 2018.
401	Newell, R.E. 2005. E.C. Smith Digital Herbarium. E.C. Smith Herbarium, Irving Biodiversity Collection, Acadia University, Web site: http://luxor.acadiau.ca/library/Herbarium/project/. 582 recs.
398	Brazner, John. 2022. Clearcut Transect Study. Nova Scotia Department of Natural Resources and Renewables Wildlife Division.
397	Belliveau, A.G. 2018. Atlantic Canada Conservation Data Centre Fieldwork 2017. Atlantic Canada Conservation Data Centre.
383	Scott, F.W. 2002. Nova Scotia Herpetofauna Atlas Database. Acadia University, Wolfville NS, 8856 recs.
377	Belliveau, A.G. 2016. Atlantic Canada Conservation Data Centre Fieldwork 2016. Atlantic Canada Conservation Data Centre, 10695 recs.
369	Belliveau, A.G. 2021. E.C. Smith Herbarium and Atlantic Canada Conservation Data Centre Fieldwork 2021. E.C. Smith Herbarium.
366	Churchill, J.L. 2018. Atlantic Canada Conservation Data Centre Fieldwork 2017. Atlantic Canada Conservation Data Centre, 2318 recs.
365	Churchill, J.L. 2019. Atlantic Canada Conservation Data Centre Fieldwork 2019. Atlantic Canada Conservation Data Centre.
361	Chapman, C.J. 2019. Atlantic Canada Conservation Data Centre 2019 botanical fieldwork. Atlantic Canada Conservation Data Centre, 11729 recs.
353	Wildlife Division. 2021. Fraxinus nigra records assembled to define and model habitat. Nova Scotia Department of Natural Resources and Renewables.
352	Hicks, Andrew. 2009. Coastal Waterfowl Surveys Database, 2000-08. Canadian Wildlife Service, Sackville, 46488 recs (11149 non-zero).
351	Eaton, S. 2014. Nova Scotia Wood Turtle Database. Environment and Climate Change Canada, 4843 recs.
337	Staicer, Cindy. 2023. SAR bird occurrence data for SWNS for summer 2023.
316	Toms, Brad. 2011. Atlantic Coastal Plain Flora records 2010. Mersey-Tobiatic Research Institute, 1074 recs.
303	Blaney, C.S.; Mazerolle, D.M.; Oberndorfer, E. 2007. Fieldwork 2007. Atlantic Canada Conservation Data Centre. Sackville NB, 13770 recs.
301	Staicer, C. 2021. Additional compiled Nova Scotia Species at Risk bird records, 2005-2020. Dalhousie University.
301	Staicer, Cindy. 2023. 2022 SAR Bird ARU occurrences. Dalhousie University, 379 records.
300	McNeil, Jeffie. 2022. Wood Turtle GPS Tracking data, 2021. Mersey Tobeatic Research Institute.
290	Hill, N.M. 1994. Status report on the Long's bulrush Scirpus longii in Canada. Committee on the Status of Endangered Wildlife in Canada, 7 recs.
276	Chapman-Lam, C.J. 2021. Atlantic Canada Conservation Data Centre 2020 botanical fieldwork. Atlantic Canada Conservation Data Centre, 17309 recs.
275	Mazerolle, D.M. 2017. Atlantic Canada Conservation Data Centre Fieldwork 2017. Atlantic Canada Conservation Data Centre.
271	Pronych, G. & Wilson, A. 1993. Atlas of Rare Vascular Plants in Nova Scotia. Nova Scotia Museum, Halifax NS, I:1-168, II:169-331. 1446 recs.
262	Blaney, C.S.; Mazerolle, D.M.; Hill, N.M. 2011. Nova Scotia Crown Share Land Legacy Trust Fieldwork. Atlantic Canada Conservation Data Centre, 5022 recs.
255	Mazerolle, D.M. 2016. Atlantic Canada Conservation Data Centre Fieldwork 2017. Atlantic Canada Conservation Data Centre.
250	Toms, Brad & Pepper, Chris; Neily, Tom. 2022. Nova Scotia lichen database [as of 2022-04]. Mersey Tobeatic Research Institute.
249	Smith, D. 2013. Personal communication concerning Anguilla rostrata trapping results in Kejimkujik NP, NS. Winter 2013. Pers. comm.
247	Blaney, C.S. 2020. Sean Blaney 2020 field data. Atlantic Canada Conservation Data Centre, 4407 records.

# recs	CITATION
238	Benjamin, L.K. (compiler). 2012. Significant Habitat & Species Database. Nova Scotia Dept Natural Resources, 4965 recs.
236	Blaney, C.S.; Mazerolle, D.M. 2008. Fieldwork 2008. Atlantic Canada Conservation Data Centre. Sackville NB, 13343 recs.
234	Brazner, J. 2016. Nova Scotia Forested Wetland Bird Surveys. Nova Scotia Department of Lands and Forestry.
222	Westwood, A., Staicer, C. 2016. Nova Scotia landbird Species at Risk observations. Dalhousie University.
221	Belland, R.J. Maritimes moss records from various herbarium databases. 2014.
217	Toms, B. 2018. Bat Species data from www.batconservation.ca for Nova Scotia. Mersey Tobeatic Research Institute, 547 Records.
214	Clayden, S.R. 1998. NBM Science Collections databases: vascular plants. New Brunswick Museum, Saint John NB, 19759 recs.
212	Blaney, C.S.; Mazerolle, D.M. 2009. Fieldwork 2009. Atlantic Canada Conservation Data Centre. Sackville NB, 13395 recs.
205	McNeil, Jeffie. 2023. Ribbonsnake records from 2022. Mersey Tobeatic Research Institute.
203	Klymko, J. 2018. Maritimes Butterfly Atlas database. Atlantic Canada Conservation Data Centre.
202	Blaney, C.S. & Mazerolle, D.M. 2011. 2011 botanical surveys in Kejimkujik National Park. Atlantic Canada Conservation Data Centre, 820 recs.
199	iNaturalist. 2018. iNaturalist Data Export 2018. iNaturalist.org and iNaturalist.ca, Web site: 11700 recs.
192	Belliveau, A.G. 2018. E.C. Smith Herbarium and Atlantic Canada Conservation Data Centre Fieldwork 2018. E.C. Smith Herbarium, 6226 recs.
190	McNeil, J.A. 2019. Eastern Painted Turtle trapping records, 2019. Mersey Tobeatic Research Institute.
186	Staicer, Cindy. 2023. 2022 SAR Bird field occurrences from the Landbirds at Risk Project, NS. Dalhousie University, 446 records.
183	East Coast Aquatics Inc. 2023. Year 3 (2022) Wood Turtle Monitoring Hwy 104 Sutherlands River To Antigonish.
183	Manthorne, A. 2014. MaritimesSwiftwatch Project database 2013-2014. Bird Studies Canada, Sackville NB, 326 recs.
183	Riley, J. 2020. Digby County lichen observations. Pers. comm. to J.L. Churchill.
170	Benedict, B. Connell Herbarium Specimens. University New Brunswick, Fredericton. 2003.
169	Churchill, J.L. 2022. Atlantic Canada Conservation Data Centre Fieldwork 2022. Atlantic Canada Conservation Data Centre.
169	Stantec. 2014. Energy East Pipeline Corridor Species Occurrence Data. Stantec Inc., 4934 records.
166	Churchill, J.L. 2021. Atlantic Canada Conservation Data Centre Fieldwork 2021. Atlantic Canada Conservation Data Centre.
166	Munro, Marian K. Tracked lichen specimens, Nova Scotia Provincial Museum of Natural History Herbarium. Atlantic Canada Conservation Data Centre. 2019.
156	Belliveau, A.G. 2014. Plant Records from Southern and Central Nova Scotia. Atlantic Canada Conservation Data Centre, 919 recs.
155	Driscoll, Kendra Lichen specimens from Atlantic Canada. New Brunswick Museum. 2023.
153	Brunelle, P.-M. (compiler). 2009. ADIP/MDDS Odonata Database: data to 2006 inclusive. Atlantic Dragonfly Inventory Program (ADIP), 24200 recs.
150	Riley, J. 2019. Digby County lichen observations. Pers. comm. to J.L. Churchill, 50 recs.
148	McNeil, J.A. 2011. Ribbonsnake (Thamophis sauritus) sightings, 2010. Parks Canada, 148 recs of 70+ individuals.
140	Munro, Marian K. Nova Scotia Provincial Museum of Natural History Herbarium Database. Nova Scotia Provincial Museum of Natural History, Halifax, Nova Scotia. 2013.
139	McNeil, Jeffie. 2023. 2022 Turtle Records. Mersey Tobeatic Research Institute.
137	Parks Canada. 2010. Specimens in or near National Parks in Atlantic Canada. Canadian National Museum, 3925 recs.
134	Stewart, J.I. 2010. Peregrine Falcon Surveys in New Brunswick, 2002-09. Canadian Wildlife Service, Sackville, 58 recs.
130	Birds Canada. 2023. Maritimes Marsh Monitoring Program occurrences from 2022-2023. Birds Canada, 4603 records.
130	Keddy, C.J. 1989. Habitat securement for redroot, golden crest and Long's bulrush in Ponhook Lake, NS. World Wildlife Fund (Canada), 131 recs.
125	Hagerman, Christianne. 2022. Wisqoq and Eastern White Cedar field work. E.C. Smith Herbarium, Acadia University.
124	Staicer, Cindy. 2022. 2021 Landbird Species at Risk observations. Dalhousie University.
122	McNeil, Jeffie. 2022. Ribbonsnake records, 2021. Mersey Tobeatic Research Institute.
121	Benjamin, L.K. 2009. NSDNR Fieldwork & Consultants Reports. Nova Scotia Dept Natural Resources, 143 recs.
121	McNeil, J.A. 2016. Blandings Turtle (Emydoidea blandingii), Eastern Ribbonsnake (Thamnophis sauritus), Wood Turtle (Glyptemys insculpta), and Snapping Turtle (Chelydra serpentina) sightings, 2016. Mersey Tobeatic Research Institute, 774 records.
121	McNeil, J.A. 2020. Snapping Turtle and Eastern Painted Turtle records, 2020. Mersey Tobeatic Research Institute.
117	Francis MacKinnon. 2023. Multiple Environmental Assessment studies in NS - 2023. Nova Scotia Department of Natural Resources.
115	Wallace, S. 2020. Stewardship Department species occurrence data on NTNB preserves. Nature Trust of New Brunswick.
110	Neily, T.H. 2017. Nova Scotia lichen records. Mersey Tobeatic Research Institute.
109	Cameron, R.P. 2009. Cyanolichen database. Nova Scotia Environment & Labour, 1724 recs.
108	McNeil, Jeffie. 2022. 2021 Turtle Records. Mersey Tobeatic Research Institute.
105	Berrigan, L. 2019. Maritimes Marsh Monitoring Project 2013, 2014, 2016, 2017, and 2018 data. Bird Studies Canada, Sackville, NB.
103	e-Butterfly. 2019. Export of Maritimes records and photos. McFarland, K. (ed.) e-butterfly.org.
103	Wilhelm, S.I. et al. 2011. Colonial Waterbird Database. Canadian Wildlife Service, Sackville, 2698 sites, 9718 recs (8192 obs).
102	Clayden, S.R. 2007. NBM Science Collections databases: vascular plants. New Brunswick Museum, Saint John NB, download Mar. 2007, 6914 recs.
100	Mazerolle, D.M. 2018. Atlantic Canada Conservation Data Centre botanical fieldwork 2018. Atlantic Canada Conservation Data Centre, 13515 recs.
96	Belliveau, A.G. & Churchill, J.L.; Anderson, F.; Brooks, F. 2023. Lichen Inventory of Blue Rocks, NS. E.C. Smith Herbarium.
95	Breen, A. 2019. 2019 Atlantic Whitefish observations. Coastal Action, 95 recs.
95	McNeil, J.A. 2019. Eastern Painted Turtle trapping records, 2017. Mersey Tobeatic Research Institute.
95	NatureServe Canada. 2019. iNaturalist Maritimes Butterfly Records. iNaturalist.org and iNaturalist.ca.
93	Chapman-Lam, C.J. 2022. Atlantic Canada Conservation Data Centre 2021 botanical fieldwork. Atlantic Canada Conservation Data Centre, 15099 recs.
89	Belliveau, A. 2013. Rare species records from Nova Scotia. Mersey Tobeatic Research Institute, 296 records. 296 recs.
88	Sollows, M.C,. 2008. NBM Science Collections databases: mammals. New Brunswick Museum, Saint John NB, download Jan. 2008, 4983 recs.
84	Brooks, Fiona. 2024. SAR observations for Nova Scotia from June and July 2024. Atlantic Canada Conservation Data Centre, 106 records.

# recs	CITATION
84	Coastal Action. 2024. SAR records from 2022. Coastal Action, 87 records.
81	Bryson, Ian. 2024. Nova Scotia vascular and non-vascular flora observations Sept 2023-Oct 2024. Fraxinus Environmental & Geomatics, 10882 records.
81	Hubley, Nicole. 2022. Monarch (Danaus plexippus) records submitted to MTRI from the 2021 field season. Mersey Tobeatic Research Institute.
81	Tims, J. & Craig, N. 1995. Environmentally Significant Areas in New Brunswick (NBESA). NB Dept of Environment & Nature Trust of New Brunswick Inc, 5463 recs.
80	Birds Canada. 2023. Maritimes Swiftwatch project data for 2023. Pers. comm., 270 recs.
80	McMullin, R.T. 2022. Maritimes lichen records. Canadian Museum of Nature.
78	Blaney, C.S; Korol, J.B.; Crowell, I. 2023. 2022 AC CDC Botany program field data. Atlantic Canada Conservation Data Centre, 5293 records.
76	Riley, Jonathan; Viola, Ashlea; Newington, Nina; Proulx, Lisa. 2023. SAR lichens at Goldsmith Lake. Municipality of the District of Digby, 57 records.
74	Brazner, John; MacKinnon, Frances. 2020. Relative conservation value of Nova Scotia's forests: forested wetlands as avian biodiversity hotspots. Canadian Journal of Forest Research, 50(12): 1307-1322. dx.doi.org/10.1139/cjfr-2020-0101.
71	Amirault, D.L. & Stewart, J. 2007. Piping Plover Database 1894-2006. Canadian Wildlife Service, Sackville, 3344 recs, 1228 new.
71	Blaney, C.S. 2019. Sean Blaney 2019 field data. Atlantic Canada Conservation Data Centre, 4407 records.
71	Roland, A.E. & Smith, E.C. 1969. The Flora of Nova Scotia, 1st Ed. Nova Scotia Museum, Halifax, 743pp.
70	McNeil, J.A. 2019. Snapping Turtle records, 2019. Mersey Tobeatic Research Institute.
70	Richardson, Leif. 2018. Maritimes Bombus records from various sources. Richardson, Leif.
68	Birds Canada. 2022. Maritimes Swiftwatch project data for 2022. Pers. comm., 155 records.
68	e-Butterfly. 2016. Export of Maritimes records and photos. Maxim Larrivee, Sambo Zhang (ed.) e-butterfly.org.
67	iNaturalist. 2020. iNaturalist butterfly records selected for the Maritimes Butterfly Atlas. iNaturalist.
66	Porter, Caitlin. 2021. Field data for 2020 in various locations across the Maritimes. Atlantic Canada Conservation Data Centre, 3977 records.
64	Klymko, John. 2022. Atlantic Canada Conservation Data Centre zoological fieldwork 2021. Atlantic Canada Conservation Data Centre.
63	McNeil, J.A. 2013. Ribbonsnake (Thamnophis sauritus) sightings, 2012 . Parks Canada, 63 records of 26+ individuals.
63	Roland, A.E. 1976. The Coastal Plain Flora of Kejimkujik National Park. Parks Canada Report, 238 pp.
62	McNeil, J.A. 2015. Blandings Turtle (Emydoidea blandingii), Eastern Ribbonsnake (Thamnophis sauritus), and Snapping Turtle (Chelydra serpentina) sightings, 2015. Mersey Tobeatic Research Institute.
60	McLean, K. 2020. Species occurrence records from Clean Annapolis River Project fieldwork in 2020. Clean Annapolis River Project, 206 records.
59	Blaney, C.S. 2017. Atlantic Canada Conservation Data Centre Fieldwork 2017. Atlantic Canada Conservation Data Centre.
59	Staicer, C. & Bliss, S.; Achenbach, L. 2017. Occurrences of tracked breeding birds in forested wetlands. , 303 records.
58	Parks Canada. 2021. Species at Risk observations from 2019-2020 in Kejimkujik National Park and Historic Site. Parks Canada, 76 records.
57	Zinck, M. & Roland, A.E. 1998. Roland's Flora of Nova Scotia. Nova Scotia Museum, 3rd ed., rev. M. Zinck; 2 Vol., 1297 pp.
54	Churchill, J.L. 2023. Atlantic Canada Conservation Data Centre Fieldwork 2023. Atlantic Canada Conservation Data Centre.
54	LaPaix, R.W.; Crowell, M.J.; MacDonald, M.; Neily, T.D.; Quinn, G. 2017. Stantec Nova Scotia rare plant records, 2012-2016. Stantec Consulting.
54	Mersey Tobeatic Research Institute. 2023. NS Turtle Records. Mersey Tobeatic Research Institute, 214 recs.
54	Toms, Brad. 2024. MTRI lichens database. Mersey Tobeatic Research Institute, 170 records.
53	Bagnell, B.A. 2001. New Brunswick Bryophyte Occurrences. B&B Botanical, Sussex, 478 recs.
53	Churchill, J.L. 2020. Atlantic Canada Conservation Data Centre Fieldwork 2020. Atlantic Canada Conservation Data Centre, 1083 recs.
52	Belliveau, A.G., Churchill, J.L. 2019. Compilation of flora and fauna observation records from Isle Haute, Nova Scotia. Acadia University; Atlantic Canada Conservation Data Centre, 522 recs.
52	Richardson, D., Anderson, F., Cameron, R, McMullin, T., Clayden, S. 2014. Field Work Report on Black Foam Lichen (Anzia colpodes). COSEWIC.
51	Neily, T.H. & Pepper, C.; Toms, B. 2020. Nova Scotia lichen database [as of 2020-03-18]. Mersey Tobeatic Research Institute.
50	Benedict, B. Connell Herbarium Specimens (Data) . University New Brunswick, Fredericton. 2003.
49	Blaney, C.S.; Spicer, C.D. 2001. Fieldwork 2001. Atlantic Canada Conservation Data Centre. Sackville NB, 981 recs.
48	Layberry, R.A. & Hall, P.W., LaFontaine, J.D. 1998. The Butterflies of Canada. University of Toronto Press. 280 pp+plates.
47	Feltham, Carter. 2022. Monarch (Danaus plexippus) and Milkweed MTRI records from the 2022 Field Season. Mersey Tobeatic Research Institute.
47	MacDonald, E.C. 2018. Piping Plover nest records from 2010-2017. Canadian Wildlife Service.
46	Blaney, C.S. 2018. Atlantic Canada Conservation Data Centre Fieldwork 2018. Atlantic Canada Conservation Data Centre.
45	Bayne, D.M. 2007. Atlantic Coastal Plain Flora record, 2004-06. Nova Scotia Nature Trust. Pers. comm. to C.S. Blaney, 57 recs.
44	Birds Canada. 2023. NatureCounts Bank Swallow Data. Birds Canada, 464 recs.
44	McLean, K. 2019. Wood Turtle observations . Clean Annapolis River Project.
44	Neily, T.H. 2019. Tom Neily NS Bryophyte records (2009-2013). T.H. Neily, Atlantic Canada Conservation Data Centre, 1029 specimen records.
43	Blaney, C.S. 2000. Fieldwork 2000. Atlantic Canada Conservation Data Centre. Sackville NB, 1265 recs.
42	Cowie, F. 2007. Electrofishing Population Estimates 1979-98. Canadian Rivers Institute, 2698 recs.
42	Mersey Tobeatic Research Institute. 2022. Bat data from Bat Hotline from 2020-2022. Toms, Brad (ed.) Mersey Tobeatic Research Institute, 85 records.
40	Cameron, E. 2007. Canadian Gypsum Co. survey 2005-07. Dillon Consulting Ltd, 40 recs.
39	Amirault, D.L. & McKnight, J. 2003. Piping Plover Database 1991-2003. Canadian Wildlife Service, Sackville, unpublished data. 7 recs.
38	Mazerolle, D.M. 2020. Atlantic Canada Conservation Data Centre botanical fieldwork 2019. Atlantic Canada Conservation Data Centre.
37	Newell, R.E. 2019. Crocanthemum canadense records compiled for provincial status report. pers. comm. from Ruth Newell to AC CDC.
36	Blaney, C.S.; Spicer, C.D.; Popma, T.M.; Hanel, C. 2002. Fieldwork 2002. Atlantic Canada Conservation Data Centre. Sackville NB, 2252 recs.
36	Haughian, Sean. 2021. Update to lichen data from 2017-2021. Nova Scotia Museum.
36	McNeil, J.A. 2017. Eastern Ribbonsnake (Thamnophis sauritus) sightings, 2017. Mersey Tobeatic Research Institute, 36 recs.
36	Mersey Tobetic Research Institute. 2021. 2020 Monarch records from the MTRI monitoring program. Mersey Tobetic Research Institute, 72 records.
36	Tsehtik, M.; Leblanc, M.; Creaser, T. 2020. Coastal Action: 2020 Species at Risk Data. Coastal Action, 40 records.

# recs	CITATION
35	Benjamin, L.K. 2012. NSDNR fieldwork & consultant reports 2008-2012. Nova Scotia Dept Natural Resources, 196 recs.
35	East Coast Aquatics Inc. 2021. Species at Risk records from Spicer North Mountain Quarry Expansion Environmental Assessment. East Coast Aquatics, 44 records.
35	Neily, T.H. & Pepper, C.; Toms, B. 2020. Nova Scotia lichen database [as of 2020-05-25]. Mersey Tobeatic Research Institute, 668 recs.
35	Roland, A.E. 1980. Checklist of Vascular Plants of Kejimkujik National Park in Lichens, Liverworts, Mosses and Flowering Plants of Kejimkujik National Park. Roland, A.E. (ed.) Parks Canada Report, pp. 52-140, 160 pp.
34	Benjamin, L.K. (compiler). 2001. Significant Habitat & Species Database. Nova Scotia Dept of Natural Resources, 15 spp, 224 recs.
34	Bryson, I.C. 2020. Nova Scotia flora and lichen observations 2020. Nova Scotia Environment, 139 recs.
33	Atlantic Canada Conservation Data Centre. 2020. Cape LaHave Island observations from August 2020. Atlantic Canada Conservation Data Centre, 605 records.
33	Blaney, C.S.; Spicer, C.D.; Rothfels, C. 2004. Fieldwork 2004. Atlantic Canada Conservation Data Centre. Sackville NB, 1343 recs.
33	McNeil, J.A. 2018. Wood Turtle records, 2018. Mersey Tobeatic Research Institute, 68 recs.
33	Taylor, P.D. 2006. Long-term monitoring of Listera australis in southwestern Nova Scotia; summary report for 2006, year 3. Acadia University, 33.
32	Brooks, Fiona. 2023. Field data - 2023. Atlantic Canada Conservation Data Centre.
32	Klymko, J.J.D. 2018. 2017 field data. Atlantic Canada Conservation Data Centre.
31	Jobin, C. & Clow, A., Van Dijk, J. 2019. Eastern Waterfan data, Mount Allison Fundy Field Camp 2019. Chapman, C.J. (ed.) Fundy National Park and Mount Allison University, 31 recs.
31	Sollows, M.C. 2009. NBM Science Collections databases: molluscs. New Brunswick Museum, Saint John NB, download Jan. 2009, 6951 recs (2957 in Atlantic Canada).
30	Crowell, Iain & Crowell, Iain. 2023. Field data - 2023. Atlantic Canada Conservation Data Centre.
30	Phinney, L. 2019. Little Brown Myotis maternal colony counts and birdSAR, 2019. Mersey Tobeatic Research Institute.
29	Frittaion, C. 2012. NSNT 2012 Field Observations. Nova Scotia Nature Trust, Pers comm. to S. Blaney Feb. 7, 34 recs.
29	McGrattan, Alysha. 2023. Monarch conservation in Southern New Brunswick. Nature NB.
28	LaPaix, Rich. 2022. Rare species observations, 2018-2022. Nova Scotia Nature Trust.
28	McAlpine, D.F. New Brunswick Museum bee specimens. New Brunswick Museum. 2013.
28	Neily, T.H. & Pepper, C.; Toms, B. 2018. Nova Scotia lichen database [as of 2018-03]. Mersey Tobeatic Research Institute.
28	Riley, Jonathan. 2024. Species of Conservation Concern records from Goldsmith Lake between 2023 and 2024. Pers. comm., 32 records.
26	McLean, K. 2020. Wood Turtle observations . Clean Annapolis River Project.
25	Burnie, B. 2013. 2013 Scirpus longii field data. Mount Saint Vincent University, 51 recs.
25	Honeyman, K. 2019. Unique Areas Database, 2018. J.D. Irving Ltd.
25	Korol, Burke. 2023. Field data - 2023. Atlantic Canada Conservation Data Centre.
25	Liv Monck-Whipp. 2024. Incidental observations from Nova Scotia Nature Trust 2024 field season. Nova Scotia Nature Trust.
25	McNeil, J.A. 2014. Blandings Turtle (Emydoidea blandingii) and Snapping Turtle (Chelydra serpentina) sightings, 2014. Mersey Tobeatic Research Institute.
25	McNeil, J.A. 2019. Snapping Turtle records, 2017. Mersey Tobeatic Research Institute.
24	Bayne, D.M., Cameron, R.C. 2014. 2014 Lichen records near Little Bon Mature Lake, Queens NS. NS Department of Natural Resources.
24	Belliveau, A.G. 2021. New Black ash site records near Kentville, NS. Acadia University, 47 records.
24	Blaney, C.S. 2003. Fieldwork 2003. Atlantic Canada Conservation Data Centre. Sackville NB, 1042 recs.
24	Broders, H.G. 2006. Unpublished data. , 24 recs.
24	Kennedy, Joseph. 2010. New Brunswick Peregrine records, 2009. New Brunswick Dept Natural Resources, 19 recs (14 active).
24	Patrick, A.; Horne, D.; Noseworthy, J. et. al. 2017. Field data for Nova Scotia and New Brunswick, 2015 and 2017. Nature Conservancy of Canada.
23	Aiden Isbill. 2023. Atlantic Salmon Field Survey - Black River NB. ACAP Saint John.
23	McLean, K. 2019. Species At Risk observations. Clean Annapolis River Project.
23	Mersey Tobeatic Research Institute. 2023. Monarch (Danaus plexippus) and Milkweed MTRI records from the 2023 Field Season. Mersey Tobeatic Research Institute.
23	Speers, L. 2008. Butterflies of Canada database: New Brunswick 1897-1999. Agriculture & Agri-Food Canada, Biological Resources Program, Ottawa, 2048 recs.
22	Breen, A. 2018. 2018 Atlantic Whitefish observations. Coastal Action.
22	Erskine, A.J. 1999. Maritime Nest Records Scheme (MNRS) 1937-1999. Canadian Wildlife Service, Sackville, 313 recs.
22	Haughian, S.R. 2018. Description of Fuscopannaria leucosticta field work in 2017. New Brunswick Museum, 314 recs.
22	MacDonald, E.C. 2018. CWS Piping Plover Census, 2010-2017. Canadian Wildlife Service, 672 recs.
22	Nelly, T.H. 2006. Cypripedium arietinum in Hants Co. Pers. comm. to C.S. Blaney. 22 recs, 22 recs.
21	Blaney, C.S.; Spicer, C.D.; Mazerolle, D.M. 2005. Fieldwork 2005. Atlantic Canada Conservation Data Centre. Sackville NB, 2333 recs.
21	Envirosphere Consultants Ltd., Strum. 2023. SAR records from three Environmental Assessments in Nova Scotia. Envirosphere Consultants Ltd., Strum, 48 records.
21	Hinds, H.R. 1986. Notes on New Brunswick plant collections. Connell Memorial Herbarium, unpubl, 739 recs.
21	MacKinnon, D.S. & O'Brien, M.K.H.; Cameron, R.P. 2002. Fieldwork 2000. Dept of Environment & Labour, Protected Areas Branch, 252 recs.
21	Nussey, Pat & NCC staff. 2019. AEI tracked species records, 2016-2019. Chapman, C.J. (ed.) Atlantic Canada Conservation Data Centre, 333.
21	Richardson, D., Anderson, F., Cameron, R, Pepper, C., Clayden, S. 2015. Field Work Report on the Wrinkled Shingle lichen (Pannaria lurida). COSEWIC.
21	Toms, B. & Belliveau, A.; LaRue, D.; EMA Recovery Team. 2012. 2012 Geum peckii observations. Mersey Tobeatic Research Institute, 594 records.
20	Blaney, C.S. & Mazerolle, D.M. 2011. Field data from NCC properties at Musquash Harbour NB & Goose Lake NS. Atlantic Canada Conservation Data Centre, 1739 recs.
20	O'Grady, Sally. 2010. Water Pennywort in Kejimkujik National Park, 2010. Parks Canada, 20 shapefiles.
20	Skomorowski, Joanna. 2024. 2022 Nova Scotia Nature Trust SAR occurrences. Nova Scotia Nature Trust, 58 records.
20	Wilhelm, S.I. et al. 2019. Colonial Waterbird Database. Canadian Wildlife Service.
19	Basquill, S.P., Porter, C. 2019. Bryophyte and lichen specimens submitted to the E.C. Smith Herbarium. NS Department of Lands and Forestry.
19	Benedict, B. Connell Herbarium Specimen Database Download 2004. Connell Memorial Herbarium, University of New Brunswick. 2004.
19	Klymko, J.J.D.; Robinson, S.L. 2012. 2012 field data. Atlantic Canada Conservation Data Centre, 447 recs.

# recs	CITATION
19	Porter, C.J.M. 2014. Field work data 2007-2014. Nova Scotia Nature Trust, 96 recs.
19	Porter, Caitlin. 2020. Observations for 26 EcoGifts sites in southwest New Brunswick. Atlantic Canada Conservation Data Centre, 1073 records.
18	Basquill, S.; Sam, D. 2019. Crocanthemum canadense observations near Greenwood, NS, 2015-2019. pers. commun. from Nova Scotia Department of Lands and Forestry to AC CDC, 18 recs.
18	Basquill, S.P. 2003. Fieldwork 2003. Atlantic Canada Conservation Data Centre, Sackville NB, 69 recs.
18	Benjamin, L.K. 2011. NSDNR fieldwork & consultant reports 1997, 2009-10. Nova Scotia Dept Natural Resources, 85 recs.
18	Ferguson, D.C. 1954. The Lepidoptera of Nova Scotia. Part I, macrolepidoptera. Proceedings of the Nova Scotian Institute of Science, 23(3), 161-375.
18	Thomas, A.W. 1996. A preliminary atlas of the butterflies of New Brunswick. New Brunswick Museum.
17	Cameron, R.P. 2018. Degelia plumbea records. Nova Scotia Environment.
17	Chris Pepper. 2021-2022. Mersey Wind FarmLichen Observations. Chris Pepper, 20 recs.
17	Cowie, Faye. 2007. Surveyed Lakes in New Brunswick. Canadian Rivers Institute, 781 recs.
17	English, M. 2024. Colonial Waterbird Database. Canadian Wildlife Service.
17	Manthorne, A. 2019. Incidental aerial insectivore observations. Birds Canada.
17	Nature Conservancy of Canada. 2022. NCC Field data for Nova Scotia. Nature Conservancy of Canada.
17	NS DNR. 2017. Black Ash records from NS DNR Permanent Sample Plots (PSPs), 1965-2016. NS Dept of Natural Resources.
16	Holder, M. 2003. Assessment and update status report on the Eastern Lilaeopsis (Lilaeopsis chinensis) in Canada. Committee on the Status of Endangered Wildlife in Canada, 16 recs.
16	Hunsinger, J. 2021. Species at Risk records from Medway Community Forest Cooperative monitoring plots and baited game cameras, 2019-2020. Medway Community Forest Cooperative, 16 records.
16	Neily, T.H. & Pepper, C.; Toms, B. 2013. Nova Scotia lichen location database. Mersey Tobeatic Research Institute, 1301 records.
16	Wallace, Shaylyn. 2023. Painted Turtle and Snapping Turtle records since 2015. New Brunswick Department of Energy and Resource Development.
15	Basquill, S.P. 2011 vascular plant field data. Nova Scotia Department of Natural Resources, 37 recs.
15	Gallop, John. 2023. Species at Risk and Species of Conservation Interest records. McCallum Environmental.
15	Klymko, J.J.D. 2012. Odonata specimens & observations, 2010. Atlantic Canada Conservation Data Centre, 425 recs.
15	Oldham, M.J. 2000. Oldham database records from Maritime provinces. Oldham, M.J; ONHIC, 487 recs.
15	Sollows, M.C,. 2009. NBM Science Collections databases: Coccinellid & Cerambycid Beetles. New Brunswick Museum, Saint John NB, download Feb. 2009, 569 recs.
14	McNeil, J.A. 2018. Snapping Turtle records, 2018. Mersey Tobeatic Research Institute.
14	Neily, T.H. 2013. Email communication to Sean Blaney regarding Listera australis observations made from 2007 to 2011 in Nova Scotia. , 50.
14	Toms, Brad. 2011. Species at Risk data from 2011 field surveys. Mersey Tobeatic Research Institute, 17 recs.
13	G.Proulx, R. Newell, A. Mills, D. Bayne. 2018. Selaginella rupestris records, Digby Co. Nova Scotia Lands and Forestry, 1387601 recs.
13	MacKinnon, D.S. 1998. Ponhook Lake survey map & notes. Dept of Environment and Labour, Protected Areas Branch, 13 recs.
13	Nova Scotia Nature Trust. 2014. Ladyslipper records from Saint Croix Nova Scotia, JLC Ed. Nova Scotia Nature Trust.
13	Riley, Jonathan. 2025. SAR at Goldsmith and Corbett Lakes. Pers. comm., 17 records.
13	Siemens-Worsley, Allison. 2024. iNaturalist Wood Turtle observations for New Brunswick and Nova Scotia. NatureServe Canada.
13	Sollows, M.C. 2008. NBM Science Collections databases: herpetiles. New Brunswick Museum, Saint John NB, download Jan. 2008, 8636 recs.
12	Caissie, A. Herbarium Records. Fundy National Park, Alma NB. 1961-1993.
12	Hill, N.M. 2021. Observation of Carex haydenii and black ash near Marshy Hope and Ponhook Lake. pers. comm.
12	Mersey Tobeatic Research Institute. 2024. Barn swallow records from volunteers. Pers. comm., 16 records.
12	Neily, T.H. & Pepper, C.; Toms, B. 2015. Nova Scotia lichen location database [as of 2015-02-15]. Mersey Tobeatic Research Institute, 1691 records.
12	New Brunswick Department of Natural Resources and Energy Development. 2023. Wood turtle records from 2016-2021. New Brunswick Department of Natural Resources and Energy Development, 637 records.
12	Wissink, R. 2000. Rare Plants of Fundy: maps. Parks Canada, 20 recs.
11	Adams, J. & Herman, T.B. 1998. Thesis, Unpublished map of C. insculpta sightings. Acadia University, Wolfville NS, 88 recs.
11	Clayden, S.R. 2005. Confidential supplement to Status Report on Ghost Antler Lichen (Pseudevernia cladonia). Committee on the Status of Endangered Wildlife in Canada, 27 recs.
11	e-Butterfly. 2018. Selected Maritimes butterfly records from 2016 and 2017. Maxim Larrivee, Sambo Zhang (ed.) e-butterfly.org.
11	Kennedy, Bob. 2021. Results of Oct 15 & 16 Field Trip. Nova Scotia Wild Flora Society.
11	Klymko, J.J.D.; Robinson, S.L. 2014. 2013 field data. Atlantic Canada Conservation Data Centre.
11	Klymko, John. 2024. Atlantic Canada Conservation Data Centre zoological fieldwork 2023. Atlantic Canada Conservation Data Centre.
11	Pepper, C. 2013. 2013 rare bird and plant observations in Nova Scotia. , 181 records.
11	Riley, Jonathan. 2024. Tracked species observed at Goldsmith Lake peninsula in November 2024. Pers. comm., 12 records.
11	Robinson, S.L. 2014. 2013 Field Data. Atlantic Canada Conservation Data Centre.
11	Tranquilla, L. 2015. Maritimes Marsh Monitoring Project 2015 data. Bird Studies Canada, Sackville NB, 5062 recs.
10	Askanas, H. 2016. New Brunswick Wood Turtle Database. New Brunswick Department of Energy and Resource Development.
10	Belliveau, A.G. & Vail, Cole; King, Katie. 2020. New Allium tricoccum locations, Cornwallis River. Chapman, C.J. (ed.) Acadia University.
10	Benjamin, L.K. 2009. Boreal Felt Lichen, Mountain Avens, Orchid and other recent records. Nova Scotia Dept Natural Resources, 105 recs.
10	LaPaix, R.W.; Crowell, M.J.; MacDonald, M. 2011. Stantec rare plant records, 2010-11. Stantec Consulting, 334 recs.
10	Neily, T. H. 2018. Lichen and Bryophyte records, AEI 2017-2018. Tom Neily; Atlantic Canada Conservation Data Centre.
10	Ogden, K. Nova Scotia Museum butterfly specimen database. Nova Scotia Museum. 2017.
10	Parker, M.S.R. 2011. Hampton Wind Farm 2010: significant floral/faunal observations. , 13 recs.
10	Patrick, Allison. 2021. Animal and plant records from NCC properties from 2019 and 2020. Nature Conservancy Canada.
10	Phinney, Lori; Toms, Brad; et. al. 2016. Bank Swallows (Riparia riparia) in Nova Scotia: inventory and assessment of colonies. Merset Tobeiatc Research Institute, 25 recs.
9	Blaney, C.S.; Mazerolle, D.M.; Klymko, J; Spicer, C.D. 2006. Fieldwork 2006. Atlantic Canada Conservation Data Centre. Sackville NB, 8399 recs.
9	Blaxley, Megan; Vinson, Neil. 2020. Peltigera hydrothyria records from a tributary of Lake Brook, Fundy National Park. Chapman-Lam, Colin J. (ed.) Fundy National Park, 9.

# recs	CITATION
9	Brunelle, P.-M. (compiler). 2010. ADIP/MDDS Odonata Database: NB, NS Update 1900-09. Atlantic Dragonfly Inventory Program (ADIP), 935 recs.
9	Downes, C. 1998-2000. Breeding Bird Survey Data. Canadian Wildlife Service, Ottawa, 111 recs.
9	Edsall, J. 2007. Personal Butterfly Collection: specimens collected in the Canadian Maritimes, 1961-2007. J. Edsall, unpubl. report, 137 recs.
9	Goltz, J.P. 2012. Field Notes, 1989-2005. , 1091 recs.
9	McAlpine, D.F. 1983. Status & Conservation of Solution Caves in New Brunswick. New Brunswick Museum, Publications in Natural Science, no. 1, 28pp.
9	Nova Scotia Nature Trust. 2013. Nova Scotia Nature Trust 2013 Species records. Nova Scotia Nature Trust, 95 recs.
9	Pepper, C. 2021. Rare bird, plant and mammal observations in Nova Scotia, 2017-2021.
8	Canadian Wildlife Service, Dartmouth. 2010. Piping Plover censuses 2007-09, 304 recs.
8	Chapman, C.J. 2018. Atlantic Canada Conservation Data Centre botanical fieldwork 2018. Atlantic Canada Conservation Data Centre, 11171 recs.
8	Hinds, H.R. 1992. Rare Vascular Plants of Fundy National Park. , 10 recs.
8	Hinds, H.R. 1999. Connell Herbarium Database. University New Brunswick, Fredericton, 131 recs.
8	King, Katie; Jean, Samuel. 2021. Black ash observations near Booklyn, NS. E.C. Smith Herbarium.
8	Klymko, J. 2019. Atlantic Canada Conservation Data Centre zoological fieldwork 2018. Atlantic Canada Conservation Data Centre.
8	Voscort, L. Bombus terricola specimens collected during MSc research in southwestern Nova Scotia. Acadia University. 2022.
7	Anderson, Frances; Neily, Tom. 2010. A Reconnaissance Level Survey of Calciphilous Lichens in Selected Karst Topography in Nova Scotia with Notes on Incidental Bryophytes. Mersey Tobeatic Research Institute.
7	Basquill, S.P. 2009. 2009 field observations. Nova Scotia Dept of Natural Resources.
7	Blaney, C.S.; Mazerolle, D.M. 2011. Fieldwork 2011. Atlantic Canada Conservation Data Centre. Sackville NB.
7	Boyne, A.W. & Grecian, V.D. 1999. Tern Surveys. Canadian Wildlife Service, Sackville, unpublished data. 23 recs.
7	Cameron, R.P. 2009. Nova Scotia nonvascular plant observations, 1995-2007. Nova Scotia Dept Natural Resources, 27 recs.
7	Cameron, R.P. 2013. 2013 rare species field data. Nova Scotia Department of Environment, 71 recs.
7	Canadian National Collection of Insects Arachnids, and Nematodes Bombus specimen database export. Government of Canada. 2022.
7	Kennedy, B.; Cron, C. 2019. observations of Poison Sumac andButtonbush, Nova Scotia. pers. commun to AC CDC.
7	Kennedy, Joseph. 2010. New Brunswick Peregrine records, 2010. New Brunswick Dept Natural Resources, 16 recs (11 active).
7	Sabine, D.L. 2005. 2001 Freshwater Mussel Surveys. New Brunswick Dept of Natural Resources & Energy, 590 recs.
7	Sollows, M.C. Export of New Brunswick Museum butterfly records for the Maritimes provinces. New Brunswick Museum. 2016.
7	Vost, Emma. 2023. Bird observations - 2023. Pers. Comm.
7	Wissink, R. 2006. Fundy National Park Digital Database. Parks Canada, 41 recs.
6	Benjamin, L.K. 2006. Cypripedium arietinum. Pers. comm. to D. Mazerolle. 9 recs, 9 recs.
6	Brazner, J.; Hill, N. 2018. Plant observations along the Cornwallis River, Nova Scotia. Nova Scotia Department of Lands and Forestry.
6	Bredin, K.A. 2001. WTF Project: Freshwater Mussel Fieldwork in Freshwater Species data. Atlantic Canada Conservation Data Centere, 101 recs.
6	Bredin, K.A. 2002. NS Freshwater Mussel Fieldwork. Atlantic Canada Conservation Data Centere, 30 recs.
6	Bryson, I. 2020. Nova Scotia and Newfoundland rare species observations, 2018-2020. Nova Scotia Environment.
6	Catling, P.M. 1981. Taxonomy of autumn-flowering Spiranthes species of southern Nova Scotia in Can. J. Bot. , 59:1250-1273. 30 recs.
6	GBIF. 2023. GBIF Diptera data for the Maritime provinces. Global Biodiversity Information Facility. https://doi.org/10.15468/dl.pyrsd4
6	Hall, R.A. 2001. S.. NS Freshwater Mussel Fieldwork. Nova Scotia Dept Natural Resources, 178 recs.
6	Hall, R.A. 2003. NS Freshwater Mussel Fieldwork. Nova Scotia Dept Natural Resources, 189 recs.
6	Matthew Smith. 2010. Field trip report from Avon Caving Club outlining the discovery of Cyrpipedium arietinum and Hepatica nobilis populations. Public Works and Government Services Canada.
6	McMullin, Troy. 2021. Anzia colpodes observations near Kejimkujik National Park. Canadian Museum of Nature.
6	Munro, Marian K. Nova Scotia Provincial Museum of Natural History Herbarium Database. Nova Scotia Provincial Museum of Natural History, Halifax, Nova Scotia. 2014.
6	Nature Conservancy of Canada. 2022-2023. NCC Data for NB 2022-2023. NCC, 318 recs.
6	Newell, R. & Neily, T.; Toms, B.; Proulx, G. et al. 2011. NCC Properties Fieldwork in NS: August-September 2010. Nature Conservancy Canada, 106 recs.
6	Newell, R.E. 2006. Rare plant observations in Digby Neck. Pers. comm. to S. Blaney, 6 recs.
6	Newington, Nina. 2023. Email to James Churchill regarding a SAR Birds near Goldsmith Lake, Annapolis County. pers. comm.
6	Nova Scotia Nature Trust. 2022. Ram's Head Lady Slipper observations from 2015 and 2019. , 6 records.
6	Ogden, J. NS DNR Butterfly Collection Dataset. Nova Scotia Department of Natural Resources. 2014.
6	Riley, Johnathan. 2023. Wisqoq north of Kejimkujik National Park. Pers. comm. Municipality of the District of Digby, 6 records.
6	Rock, J. 2020. Atlantic Canada Piping Plover field surveys: Nesting pairs by beach, 2018-2020. Environment and Climate Change Canada - Canadian Wildlife Service, 216 records.
6	Strum Consulting. 2024. Colpton Quarry Expansion Environmental Assessment. Pers. comm., 9 records.
6	Tingley, S. (compiler). 2001. Butterflies of New Brunswick. , Web site: www.geocities.com/Yosemite/8425/buttrfly. 142 recs.
6	Toms, Brad. 2022. Non-Lichen Observations from Lichen SMP and NCC Property Searches. Mersey Tobeatic Research Institute.
6	Toms, Brad. 2024. MTRI Lichen Survey Observations 2024. Mersey Tobeatic Research Institute, 38 recs.
5	Basquill, S.P. 2012. 2012 rare vascular plant field data. Nova Scotia Department of Natural Resources, 37 recs.
5	Belliveau, A. 2013. email to Sean Blaney regarding Listera australis observations in SW Nova Scotia. Mersey Tobeatic Research Institute, 8.
5	Carter, Jeff; Churchill, J.; Churchill, I.; Churchill, L. 2020. Bank Swallow colony Scots Bay, NS. Atlantic Canada Conservation Data Centre.
5	Chaput, G. 2002. Atlantic Salmon: Maritime Provinces Overview for 2001. Dept of Fisheries & Oceans, Atlantic Region, Science Stock Status Report D3-14. 39 recs.
5	Christie, D.S. 2000. Christmas Bird Count Data, 1997-2000. Nature NB, 54 recs.
5	Goltz, J.P. & Bishop, G. 2005. Confidential supplement to Status Report on Prototype Quillwort (Isoetes prototypus). Committee on the Status of Endangered Wildlife in Canada, 111 recs.
5	Klymko, J. Butterfly records at the Nova Scotia Museum not yet accessioned by the museum. Atlantic Canada Conservation Data Centre. 2017.
5	Majka, C.G. & McCorquodale, D.B. 2006. The Coccinellidae (Coleoptera) of the Maritime Provinces of Canada: new records, biogeographic notes, and conservation concerns. Zootaxa. Zootaxa, 1154: 49–68. 7 recs.

# recs	CITATION
5	McKendry, Karen. 2016. Rare species observations, 2016. Nova Scotia Nature Trust, 19 recs.
5	Nature Trust of New Brunswick. 2022. Nature Trust of New Brunswick 2022 staff and volunteer observations of species occurence data. Nature Trust of New Brunswick.
5	Popma, T.M. 2003. Fieldwork 2003. Atlantic Canada Conservation Data Centre. Sackville NB, 113 recs.
5	Robicheau, Charity. 2023. Field data from 2023. Atlantic Canada Conservation Data Centre, 14 records.
5	Whittam, R.M. 1999. Status Report on the Roseate Tern (update) in Canada. Committee on the Status of Endangered Wildlife in Canada, 36 recs.
4	Anon. Dataset of butterfly records for the Maritime provinces. Museum of Comparative Zoology, Harvard University. 2017.
4	Benedict, B. Connell Herbarium Specimens, Digital photos. University New Brunswick, Fredericton. 2005.
4	Cameron, R.P. 2009. Erioderma pedicellatum database, 1979-2008. Dept Environment & Labour, 103 recs.
4	Cameron, R.P. 2017. 2017 rare species field data. Nova Scotia Environment, 64 recs.
4	Cody, W.J. 2003. Nova Scotia specimens of Equisetum pratense at the DAO herbarium in Ottawa. , Pers. comm. to C.S. Blaney. 4 recs.
4	Edsall, J. 2001. Lepidopteran records in New Brunswick, 1997-99. , Pers. comm. to K.A. Bredin. 91 recs.
4	Forsythe, B. 2006. Cypripedium arietinum at Meadow Pond, Hants Co. Pers. comm. to C.S. Blaney. 4 recs, 4 recs.
4	Hennigar, Briana; Gow, Jonas. 2023. Bank Swallow Nesting Site in Waterville. The Jijuktu'kwejk Watershed Alliance.
4	Klymko, J.J.D. 2011. Insect fieldwork & submissions, 2010. Atlantic Canada Conservation Data Centre. Sackville NB, 742 recs.
4	McAlpine, D.F. 1998. NBM Science Collections: Wood Turtle records. New Brunswick Museum, Saint John NB, 329 recs.
4	Mills, Pamela. 2007. Iva frutescens records. Nova Scotia Dept of Natural Resources, Wildlife Div. Pers. comm. to S. Basquil, 4 recs.
4	NatureServe Canada. 2018. iNaturalist Butterfly Data Export . iNaturalist.org and iNaturalist.ca.
4	Olsen, R. Herbarium Specimens. Nova Scotia Agricultural College, Truro. 2003.
4	Plissner, J.H. & Haig, S.M. 1997. 1996 International piping plover census. US Geological Survey, Corvallis OR, 231 pp.
4	Powell, B.C. 1967. Female sexual cycles of Chrysemy spicta & Clemmys insculpta in Nova Scotia. Can. Field-Nat., 81:134-139. 26 recs.
4	Speers, L. 2001. Butterflies of Canada database. Agriculture & Agri-Food Canada, Biological Resources Program, Ottawa, 190 recs.
4	Toms, B. 2015. Lophiola aurea (Goldencrest) records from Molega Lake. Mersey Tobeatic Research Institute, 4 records.
4	Toms, B. 2016. Email list of four GPS locations of Golden Crest (Lophiola aurea) from the previously documented site on Molega Lake, NS. Mersey Tobeatic Research Institute, 4 records.
3	Amiro, Peter G. 1998. Atlantic Salmon: Inner Bay of Fundy SFA 22 & part of SFA 23. Dept of Fisheries & Oceans, Atlantic Region, Science Stock Status Report D3-12. 4 recs.
3	Brad Toms. 2024. Erioderma mollissimum records. Mersey Tobeatic Reasearch Institute, 57 recs.
3	Brad Toms. 2024. West River Results. Mersey Tobeatic Research Institute, 7 recs.
3	Bradford, R. 2004. Coregonus huntsmani locations. Dept of Fisheries & Oceans, Atlantic Region, Pers. comm. to K. Bredin. 4 recs.
3	Brooks, Fiona. 2024. Black Foam Lichen Observations, Mahone Bay Park Cemetery. Atlantic Canada Conservation Data Centre, 3 recs.
3	Cameron, R.P. 2014. 2013-14 rare species field data. Nova Scotia Department of Environment, 35 recs.
3	Doubt, J. 2013. Email to Sean Blaney with Nova Scotia records of Fissidens exilis at Canadian Museum of Nature. pers. comm., 3 records.
3	Hill, N.M., Myra, M. 2017. Email to Sean Blaney regarding rich intervale flora on Nictaux River. Fern Hill Institute, 3 records.
3	Holder, M.L.; Kingsley, A.L. 2000. Kinglsey and Holder observations from 2000 field work.
3	Hope, P. 2002. Field survey of Goodyera pubescens population at Kejimkujik National Park. Kejimkujik National Park, 3 recs.
3	Hughes, Cory. 2020. Atlantic Forestry Centre Coccinella transversoguttata collections. Canadian Forest Service, Atlantic Forestry Centre.
3	LaPaix, R.W. 2014. Trans-Canada Energy East Pipeline Environmental Assessment, Records from 2013-14. Stantec Consulting, 5 recs.
3	Mersey Tobeatic Research Institute. 2022. Nova Scotia Bobolink observations. pers. comm. to J. Churchill.
3	Mills, Pamela. 2008. Clethra alnifolia at Mudflat Lake. Nova Scotia Dept of Natural Resources, Wildlife Div. Pers. comm. to D.M. Mazerolle, 4 recs.
3	Nash, Vicky. 2018. Hammond River Angling Association Wood Turtle observations. Hammond River Angling Association, 3 recs.
3	Newington, Nina. 2023. Anzia colpodes at Beal's Brook, NS. Pers. comm. to J. Churchill.
3	Newington, Nina. 2024. Common Nighthawk recordings. Pers. comm., 3 records.
3	Nova Scotia Department of Lands and Forestry. 2018. Wood Turtle observations in, or near, the cornwallis River watershed. NS DLF, pers. comm. to AC CDC.
3	Paquet, Julie. 2024. Atlantic Canada Piping Plover census data from 2021 and 2022. Environment and Climate Change Canada - Canadian Wildlife Service, 140 records.
3	Pike, E., Tingley, S. & Christie, D.S. 2000. Nature NB Listserve. University of New Brunswick, listserv.unb.ca/archives/naturenb. 68 recs.
3	Sabine, D.L. Bombus terricola specimens in Dwayne Sabine's personal collection. pers. comm. 2022.
3	Sabine, M. 2016. NB DNR staff incidental Black Ash observations. New Brunswick Department of Natural Resources.
3	Staicer, C. 2013. Personal communication concerning Hirundo rustica nesting in and around Kejimkujik NP, NS. Pers. comm.
3	Toms, Brad. 2023. SMP lichen observations from 2023 in Middle Ohio, NS. Mersey Tobeatic Research Institute, 6 records.
3	Watts, Todd. 2021. Todd Watts rare species data 2021. Peskotomakuti First Nation at Skutik, 152 records.
3	White, S. 2019. Notable species sightings, 2018. East Coast Aquatics.
3	WIlliams, M. Cape Breton University Digital Herbarium. Cape Breton University Digital Herbarium. 2013.
2	Anon. 2017. Export of Maritimes Butterfly records. Global Biodiversity Information Facility (GBIF).
2	Basquill, S.P. 2018. Various specimens, NS DNR field work. NS Department of Natural Resources, 10.
2	Belliveau, A.G. 2020. Email to Colin Chapman on new NS locations for Allium tricoccum. Chapman, C.J. (ed.) Acadia University.
2	Belliveau, A.G. E.C. Smith Herbarium Specimen Database 2019. E.C. Smith Herbarium, Acadia University. 2019.
2	Belliveau, Alain. 2021. Wisqoq observations in Clare, Digby County, NS. Acadia University.
2	Bishop, G. 2012. Field data from September 2012 Anticosti Aster collection trip. , 135 rec.
2	Blaney, C.S. 1999. Fieldwork 1999. Atlantic Canada Conservation Data Centre. Sackville NB, 292 recs.
2	Brunelle, P.-M. 2009. NS Power odonata records for Mersey, Tusket & Sissiboo systems. Nova Scotia Power, 218 recs.
2	Cameron, R.P. 2012. Additional rare plant records, 2009. , 7 recs.

# recs	CITATION
2	Doucet, D.A. 2008. Fieldwork 2008: Odonata. ACCDC Staff, 625 recs.
2	Elderkin M.F. 2007. Selaginella rupestris, Iris prismatica & Lophiola aurea records in NS. NS Dept of Natural Resources, Wildlife Div. Pers. comm. to C.S. Blaney, 3 recs.
2	Emma Vost. 2022. Bank swallow colony and broad-winged hawk sightings in Bridgetown, NS. Personal communication, 4.
2	Gilhen, J., Jones, A., McNeil, J., Tanner, A.W. 2012. A Significant Range Extension for the Eastern Ribbonsnake, Thamnophis sauritus, in Nova Scotia, Canada. The Canadian Field-Naturalist, 126(3): 231-233.
2	Hill, N.M. 2013. email communications to Sean Blaney and David Mazerolle regarding the discovery of Listera australis populations at Black River Lake and Middlewood. , 2.
2	Hill, N.M. 2019. Observation of Crocanthemum canadense near Auburn, Annapolis Co. NS on May 29, 2019. Fern Hill Institute, 2 recs.
2	Hinds, H.R. 1999. A Vascular Plant Survey of the Musquash Estuary in New Brunswick. , 12pp.
2	Hinds, H.R. 2000. Rare plants of Fundy in Rare Plants of Fundy: maps. Wissink, R. (ed.) Parks Canada, 2 recs.
2	Jonathan Riley. 2024. Fraxinus nigra near Gaspereau Lake. iNaturalist, 2 recs.
2	Kennedy, B. & Cron, C.; Patriquin, D. 2018. Email to Sean Blaney on observations of Trichostema dichotomum at Shingle Lake, Nova Scotia. , 2 records.
2	Layberry, R.A. 2012. Lepidopteran records for the Maritimes, 1974-2008. Layberry Collection, 1060 recs.
2	Manning, I. 2020. Peregrine Falcon nest site observations. pers. comm. to J. Churchill.
2	Mazerolle, David. 2021. Botanical fieldwork 2019-20200. Parks Canada.
2	Mills, P. 2016. Email communication to S. Blaney, re: Scirpus longii at Upper Great Brook, Queens Co. NS. NS DNR, 2 recs.
2	Misc. rare species records gathered by NSDNR staff or communicated to NSDNR and forwared to ACCDC
2	Munro, M. 2003. Caulophyllum thalictroides & Carex hirtifolia at Herbert River, Brooklyn, NS. , Pers. comm. to C.S. Blaney. 2 recs.
2	Munro, M. 2003. Dirca palustris & Hepatica nobilis var. obtusa at Cogmagun River, NS. , Pers. comm. to C.S. Blaney . 2 recs.
2	Nature Trust of New Brunswick. 2023. 2023 Species Observations. Nature Trust of New Brunswick, 574 recs.
2	Neily, T.H. Tom Neily NS Sphagnum records (2009-2014). T.H. Neily, Atlantic Canada Conservation Data Centre. 2019.
2	Newell, R. E., MacKinnon, C. M. & Kennedy, A. C. 2006. Botanical Survey of Boot Island National Wildlife Area, Nova Scotia, 2004. Canadian Wildlife Service, Atlantic Region, Technical Report Series Number 450. 3 recs.
2	Newington, Nina and Proulx, Lisa. Sclerophora peronella occurrences near Tupper Brook, NS. Nova Scotia Department of Natural Resources and Renewables. Pers. comm., 2 records.
2	Palmer, Julie; McOrmand, Bonnie. 2024. Olive-Sided Flycatcher in Goldsmith Lake Wilderness Area. Save Our Old Forests Association NS, 2 recs.
2	Perrin, J., Russel, J. 1912. Catalogue of Butterflies and Moths, Mostly Collected in the Neighborhood of Halifax and Digby, Nova Scotia. Proceedings and Transactions of the Nova Scotian Institute of Science, 12(3), 258-290.
2	Phillips, B. 2017. Emails to John Klymko regarding Eastern Waterfan (Peltigera hydrothyria) occurrences in Fundy National Park. Fundy Biosphere Reserve, 3 recs.
2	Pohl, G.P. Specimen data from Northern Forest Research Centre. Northern Forest Research Centre. 2022.
2	Porter, K. 2013. 2013 rare and non-rare vascular plant field data. St. Mary's University, 57 recs.
2	Proulx, Lisa. 2024. Sclerophora peronella and Martes americana records near Goldsmith Lake. Pers. comm., 2 records.
2	Proulx, V.D. 2002. Selaginella rupestris sight record at Centreville, Nova Scotia. Virginia D. Proulx collection, 2 recs.
2	Riley, J. 2020. Digby County Pannaria lurida observations. Pers. comm. to J.L. Churchill.
2	Riley, J. 2023. Rare and at Risk lichens and plants near Goldsmith Lake, NS. Pers. comm. to J.L. Churchill.
2	Scott, F.W. 1988. Status Report on the Southern Flying Squirrel (Glaucomys volans) in Canada. Committee on the Status of Endangered Wildlife in Canada, 2 recs.
2	Sheffield, C.S. 2004. The Rare Cleptoparasitic Bee Epeoloides pilosula (Hymenoptera: Apoidea: Apidae) Discovered in Nova Scotia, Canada, with Distributional Notes
2	Shortt, R. Connell Herbarium Black Ash specimens. University New Brunswick, Fredericton. 2019.
2	Vinson, Neil. 2020. Email - additional Peltigera hydrothyria records, Fundy National Park. Chapman-Lam, Colin J. (ed.) Fundy National Park, 2.
2	Wong, Sarah. 2020. Two Chimney Swift observation made by Sarah Wong. pers. comm. to Sean Blaney.
2	Wong, Sarah. 2021. Chimney Swift observations, Beverly Lake, NS. pers. comm.
1	Allan Smith. 2011. Cedar stand location at South Williamston. Abitibi Bowater, 1 Rec.
1	Amiro, Peter G. 1998. Atlantic Salmon: Southern Nova Scotia SFA 21. Dept of Fisheries & Oceans, Atlantic Region, Science. Stock Status Report D3-11. 1 rec.
1	Anderson, Frances. 2022. Heterodermia squamulosa record near Lunenburg, NS. pers. comm.
1	Andrew Cranton. Deceased Atlantic White-Sided Dolphins. Annapolis Royal Volunteer Fire Department, 1 rec.
1	Arsenault, R. 2009. Goodyera pubescens record in Kejimkujik National Park. Pers. comm. to C.S. Blaney, 1 rec.
1	Austin-Smith, P. 2014. 2014 Common Nighthawk personal communication report, NS. NS Department of Natural Resources.
1	Bagnell, B.A. 2003. Update to New Brunswick Rare Bryophyte Occurrences. B&B Botanical, Sussex, 5 recs.
1	Basquill, S. P. 2008. Nova Scotia Dept of Natural Resources.
1	Basquill, S.P. 2004. C. americana and Sedum sp records, 2002. Pers. comm. to C.S. Blaney. 2 recs, 2 recs.
1	Basquill, S.P. 2012. 2012 Bryophyte specimen data. Nova Scotia Department of Natural Resources, 37 recs.
1	Basquill, S.P.; Quigley, E. 2006. New Minuartia groenlandica record for NS. Pers. comm. to C.S. Blaney, Oct 6, 1 rec.
1	Basset, I.J. & Crompton, C.W. 1978. The Genus Suaeda (Chenopodiaceae) in Canada. Canadian Journal of Botany, 56: 581-591.
1	Bateman, M.C. 2000. Waterfowl Brood Surveys Database, 1990-2000. Canadian Wildlife Service, Sackville, unpublished data. 149 recs.
1	Bateman, M.C. 2001. Coastal Waterfowl Surveys Database, 1965-2001. Canadian Wildlife Service, Sackville, 667 recs.
1	Bayne, D.Z. 2014. 2014 rare species observations from southwest Nova Scotia. Nova Scotia Department of Natural Resources, 46 recs.
1	Belliveau, A. & Toms, B. 2012. Email regarding Lophiola aurea (Goldencrest) location on Molega Lake, NS. Mersey Tobeatic Research Institute, 3 records.
1	Belliveau, A. 2019. Emails (2019-05-28-29) to Sean Blaney from Alain Belliveau regarding Veronica catenata at Digby Neck, NS. , 1 record.
1	Benedict, B. Connell Herbarium Specimens. University New Brunswick, Fredericton. 2000.
1	Benjamin, L.K. 2003. Cypripedium arietinum in Cogmagun River NS. Pers. comm. to S. Blaney, 1 rec.
1	Berg, L. 2020. Canada Warbler observations, Birch Lake, NS. pers. comm. to J. Churchill.
1	Bernard, Laurel. 2013. Email to Sean Blaney regarding Listera australis at Lake Rossignol. Nature Conservancy of Canada, 1.

# recs	CITATION
1	Bishop, G., Bagnell, B.A. 2004. Site Assessment of Musquash Harbour, Nature Conservancy of Canada Property - Preliminary Botanical Survey. B&B Botanical, 12pp.
1	Blaney, C.S. Miscellaneous specimens received by ACCDC (botany). Various persons. 2001-08.
1	Bredin, K.A. 2000. NB & NS Bog Project, fieldwork. Atlantic Canada Conservation Data Centre, Sackville, 1 rec.
1	Breen, A. 2017. 2017 Atlantic Whitefish observation. Coastal Action.
1	Brooks, Fiona. Erioderma mollissimum records in Lunenburg County, NS. Pers. comm., 2 records.
1	Brown, Constance Lynn. 2023. Wood turtle records for New Brunswick. University of New Brunswick. Pers. comm., 2 records.
1	Brunton, Dan. 2022. Record of Isoetes prototypus near Sand Lake, NS. pers. comm.
1	Cameron, R.P. 2011. Lichen observations, 2011. Nova Scotia Environment & Labour, 731 recs.
1	Cartwright, Kim. Lynx canadensis sightings in southwest Nova Scotia. Pers. comm., 2 records.
1	Catling, P.M. 2001. Bog Elfin records in NB, 1939-95. Eastern Cereal & Oilseed Research Centre, Ottawa, Pers. comm. to K.A. Bredin. 11 recs.
1	Chapman-Lam, Colin J. 2022. Atlantic Canada Conservation Data Centre 2022 contracted project work. Atlantic Canada Conservation Data Centre.
1	Chapman, C.N. (Cody). 2020. Nova Scotia Black Ash (Fraxinus nigra) field observations by Confederacy of Mainland Mi'kmaq. Forestry Program, Confederacy of Mainland Mi'kmaq.
1	Chapman, Cody. Unreported Species at Risk Records across Nova Scotia. Chapman, Cody, 5 records.
1	Clayden, S.R. 2020. Email regarding Blue Felt Lichen (Pectenia plumbea) occurrences in New Brunswick, from Stephen Clayden to Sean Blaney. pers. comm., 2 records.
1	Clayden, S.R. 2020. Email to Sean Blaney regarding Pilophorus cereus and P. fibula at Fidele Lake area, Charlotte County, NB. pers. comm., 2 records.
1	Clayden, S.R.; Goltz, J.P. 2018. Emails to Sean Blaney on occurrence of Polygonum douglasii at Big Bluff, Kings Co., New Brunswick. pers. comm., 1 record.
1	Cook, K. 2016. Wood Turtle record. Pers comm. to Nova Scotia Department of Lands and Forestry.
1	COSEWIC (Committee on the Status of Wildlife in Canada). 2013. COSEWIC Assessment and Status Report on the Eastern Waterfan Peltigera hydrothyria in Canada. COSEWIC, 46 pp.
1	Creaser, Alissa & Belliveau, Alain Bombus specimens collected in Wolfville, Nova Scotia, in July 2022. E.C. Smith Herbarium. 2022.
1	Crowell, A. 2004. Cypripedium arietinum in Weir Brook, Hants Co. Pers. comm. to S. Blaney, 1 rec.
1	Crowell, M. 2013. email to Sean Blaney regarding Listera australis at Bear Head and Mill Cove Canadian Forces Station. Jacques Whitford Environmental Ltd., 2.
1	Crowell, M.J. Plant specimens from Nictaux, NS sent to Sean Blaney for identification. Jacques Whitford Limited. 2005.
1	deGooyer, K. 2018. Chelydra serpentina observation record. Nova Scotia Environment.
1	deGooyer, K. 2019. Snapping Turtle and Eastern White Cedar observations. Nova Scotia Environment.
1	Dept of Fisheries & Oceans. 1999. Status of Wild Striped Bass, & Interaction between Wild & Cultured Striped Bass in the Maritime Provinces. , Science Stock Status Report D3-22. 13 recs.
1	Edge, Thomas A. 1984. Status report on the Atlantic Whitefish (Coregonus huntsmani). Committee on the Status of Endangered Wildlife in Canada.
1	Emma Vost. 2024. Nova Scotia Natural Resources and Renewables , 1 rec.
1	Gilhen, J. 1984. Amphibians & Reptiles of Nova Scotia, 1st Ed. Nova Scotia Museum, 164pp.
1	Goltz, J.P. 2001. Botany Ramblings April 29-June 30, 2001. N.B. Naturalist, 28 (2): 51-2. 8 recs.
1	Hall, Duane. 2018. Martes americana record by Duane Sabine, emailed to J. Klymko on 13 12 2018. pers. comm.
1	Hill, N. 2014. 2014 Monarch email report, Bridgetown, NS. Fern Hill Institute for Plant Conservation.
1	Hill, N.; Manning, I. 2020. Wild Leek observation, Cornwallis River, NS, floodplain. pers. comm. to J. Churchill.
1	Hill, N.M. 2016. Email communications to Sean Blaney and Alain Belliveau regarding the discovery of Fimbristylis autumnalis on the shores of Loon Lake, Kejimkujik National Park. Pers. comm., 1 rec.
1	Hill, Nick. Roserose on Maplesue Point. Fern Hill Insitute for Plant Conservation. Pers. comm., 1 record.
1	Hope, P. 2007. Water-pennywort (Hydrocotyle umbellata) on Ell Island. Parks Canada, Kejimkujik NP, 1 record.
1	Horace Mouland. 2022. Monarch observation in Wilmot, Nova Scotia. Personal communication, 1 record.
1	Johnstone, D.; Churchill J. 2014. 2014 Chimney Swift observation, Kejimkujik NP, NS. Atlantic Canada Conservation Data Centre.
1	Kennedy, B. 2019. observations of Crocanthemum canadense at Bangs Falls, Nova Scotia. iNaturalist.ca.
1	Klymko, J. Dataset of butterfly records at the New Brunswick Museum not yet accessioned by the museum. Atlantic Canada Conservation Data Centre. 2016.
1	Klymko, J.J.D. 2010. Miscellaneous observations reported to ACCDC (zoology). Pers. comm. from various persons, 3 recs.
1	Klymko, J.J.D. 2012. Insect fieldwork & submissions, 2011. Atlantic Canada Conservation Data Centre. Sackville NB, 760 recs.
1	Klymko, J.J.D. 2016. 2015 field data. Atlantic Canada Conservation Data Centre.
1	MacFarlane, Wayne. 2018. Skunk Cabbage observation on Long Island, Kings Co. NB. Pers. comm., 1 records.
1	MacKinnon, D.S. 2002. Fieldwork 2002. Dept of Environment & Labour, Protected Areas Branch, 1 rec.
1	MacKinnon, D.S. 2012. Goodyera pubescens observation, photo. Pers. comm. to S. Blaney, Sep 18, 1 rec.
1	MacKinnon, D.S. 2013. Email report of Peregrine Falcon nest E of St. Martins NB. NS Department of Environment and Labour, 1 record.
1	Manning, I. 2020. Peregrine Falcon observation. Pers. comm. to J.L. Churchill.
1	Marshall, L. 1998. Atlantic Salmon: Southwest New Brunswick outer-Fundy SFA 23. Dept of Fisheries & Oceans, Atlantic Region, Science. Stock Status Report D3-13. 6 recs.
1	McAlpine, D.F. 1983. Species Record Cards. Fundy National Park, Library, 1 rec.
1	McAlpine, D.F. 1998. NBM Science Collections databases to 1998. New Brunswick Museum, Saint John NB, 241 recs.
1	McCarthy, C. 2003. Ecological Inventory of Melanson Property, Annapolis County, Nova Scotia. Kejimkujik National Park.
1	McIntosh, W. 1899. The Butterflies of New Brunswick. Bulletin of the Natural History Society of New Brunswick, 18: 223-225.
1	McMahon, R. 2019. Mainland Moose observation. Pers. comm. to A. Belliveau.
1	Nature Trust of New Brunswick. 2020. Nature Trust of New Brunswick 2020 staff observations of species occurence data. Nature Trust of New Brunswick, 133 records.
1	NatureServe Canada. 2018. iNaturalist Maritimes Butterfly Records. iNaturalist.org and iNaturalist.ca.
1	Neily, P.D. Plant Specimens. Nova Scotia Dept Natural Resources, Truro. 2006.
1	Neily, T.H. & Pepper, C.; Toms, B. 2018. Nova Scotia lichen database Update. Mersey Tobeatic Research Institute, 14 recs.
1	Neily, T.H. 2004. Hepatica nobilis var. obtusa record for Falmouth NS. Pers. comm. to C.S. Blaney, 1 rec.
1	Newell, R.E. 2004. Hepatica nobilis var. obtusa record. Pers. comm. to S. Blaney, 1 rec.

# recs	CITATION
1	Parker, M. 2018. East Coast Aquatics ACCDC 2018 Report. East Coast Aquatics, 12 records.
1	Prette, Anna. 2024. Chimney Swifts at Goldsmith Lake. Personal collection, 1 rec.
1	Proulx, Lisa. 2022. Email to Sean Blaney regarding Sclerophora peronella (Frosted Glass Whiskers, a lichen) occurrence at Goldsmith Lake, Annapolis Co., NS. pers. comm., 1 record.
1	Proulx, V. 2008. Geum peckii observation. Pers. comm. to D. Mazerolle, 1 rec.
1	Riley, Jonathan. 2019. Fraxinus nigra observation near Kejimkujik National Park. iNaturalist.
1	Robicheau, C. 2019. Atlantic Canada Conservation Data Centre Fieldwork 2019. Atlantic Canada Conservation Data Centre.
1	Shafer, A.B.A., D.T. Stewart. 2006. A Disjunct Population of Sorex dispar (Long-Tailed Shrew) in Nova Scotia. Northeastern Naturalist, 13(4): 603-608.
1	Smith, M. 2016. Email regarding additional location of Fimbristylis autumnalis on shores of Loon Lake, Kejimkujik National Park. pers. comm., 1 record.
1	Spicer, C.D. & Harries, H. 2001. Mount Allison Herbarium Specimens. Mount Allison University, 128 recs.
1	Standley, L.A. 2002. Carex haydenii in Nova Scotia. , Pers. comm. to C.S. Blaney. 4 recs.
1	Stewart, P. 2013. email to Sean Blaney regarding the discovery of a Listera australis population at Blockhouse. Envirosphere Consultants Limited, 1.
1	Timmons, M. 2019. Telephone report of Polygala polygama at Aylesford Mountain, Kings Co., NS by Megan Timmons to C.S. Blaney. , 1 record.
1	Toms, B. & Neily, T.; Belliveau, A.G.; Newell, R.; Mills, A.; Clapp, H.; Staicer, C.; Anderson, F.; Gray, C.; Beals, L. 2010. Inventory of Nature Conservancy of Canada Lands in Yarmouth and Shelburne Counties. Mersey Tobeatic Research Institute, approx. 1500 recs.
1	Toms, B. 2018. A census of Eastern Mountain Avens (Geum peckii) in Big Meadow Bog, Brier Island Nova Scotia 2018. Mersey Tobeatic Research Institute, 326 Records.
1	Toms, Brad. 2009. New Scirpus longii record on Lake Rossignol. Mersey Tobeatic Research Institute.
1	Toms, Brad. 2024. WestFor survey results 2024. Mersey Tobeatic Research Institute, 17 records.
1	Tummer, Kevin. 2016. Email communication (April 30, 2016) to John Klymko regarding Snapping Turtle observation in Nova Scotia. Pers. Comm.
1	Vinison, Neil. 2018. Record of Saxifraga paniculata from Fundy NP, emailed to S. Blaney 19 July 2018. Pers. comm.
1	Vinson, N. 2018. Email to S. Blaney regarding new occurrence of Saxifraga paniculata on Point Wolfe River. Parks Canada, 1 record.
1	Vinson, N. 2019. Eastern Waterfan record from Long Reach Brook, Fundy National Park, June 12, 2019. Parks Canada Agency, Fundy National Park, 1 record.
1	Vinson, Neil. 2016. Emails to Sean Blaney regarding yellow flower (Primula veris) and coastal habitat leaf rosettes (Primula laurentiana) in Fundy National Park. pers. comm., 2 rec.
1	Vost, Emma. 2024. Black Ash in NS. Nova Scotia Department of Natural Resources & Renewables, 1 rec.
1	Weatherby, C.A. 1942. Two weeks in southwestern Nova Scotia. Rhodora, 44: 229-236.
1	Webster, R.P. Atlantic Forestry Centre Insect Collection, Maritimes butterfly records. Natural Resources Canada. 2014.
1	White, S. 2018. Notable species sightings, 2016-2017. East Coast Aquatics.
1	Wissink, R. 2000. Four-toed Salamander Survey results, 2000. Fundy National Park, Internal Documents, 1 rec.
1	Wong, Sarah. 2020. Eastern Ribbonsnake (Thamnophis sauritus) sighting at Mersey River inflow to Lake Rossignol, August 24, 2020. pers, comm., 1 record.