

Appendix C

Atlantic Canada Conservation Data Center (ACCDC) Report



DATA REPORT 5169: Oromocto, NB

Prepared 14 January, 2014
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1.0 PREFACE

The Atlantic Canada Conservation Data Centre (ACCDC) 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 ACCDC 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 ACCDC is supported by 6 federal agencies and 4 provincial governments, as well as through outside grants and data processing fees. URL: www.ACCDC.com.

Upon request and for a fee, the ACCDC 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 ACCDC 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
OromoctoNB_5169ob.xls	Rare and legally protected <i>Flora and Fauna</i> in your study area
OromoctoNB_5169ff.xls	Rare and common <i>Freshwater Fish</i> in your study area (DFO database)
OromoctoNB_5169sa.xls	All <i>Significant Natural Areas</i> in your study area
OromoctoNB_5169ma.xls	All <i>Managed Areas</i> in your study area

1.2 RESTRICTIONS

The ACCDC 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 ACCDC 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 ACCDC 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) ACCDC data responses are restricted to the data in our Data System at the time of the data request.
- e) Locations given for rare species records may be deliberately imprecise. 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) ACCDC 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 ACCDC data response.

1.3 ADDITIONAL INFORMATION

The attached file DataDictionary 2.1.pdf provides metadata for the data provided.

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

Plants, Lichens, Ranking Methods

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Questions on the biology of Federal Species at Risk can be directed to ACCDC: (506) 364-2657, 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 Stewart Lusk, Natural Resources: (506) 453-7110.

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 Sherman Boates, NSDNR: (902) 679-6146.

For provincial information about rare taxa and protected areas, or information about game animals, fish habitat etc., in Prince Edward Island, please contact Rosemary Curley, PEI Dept. of Agriculture and Forestry: (902) 368-4807.

2.0 RARE AND ENDANGERED SPECIES

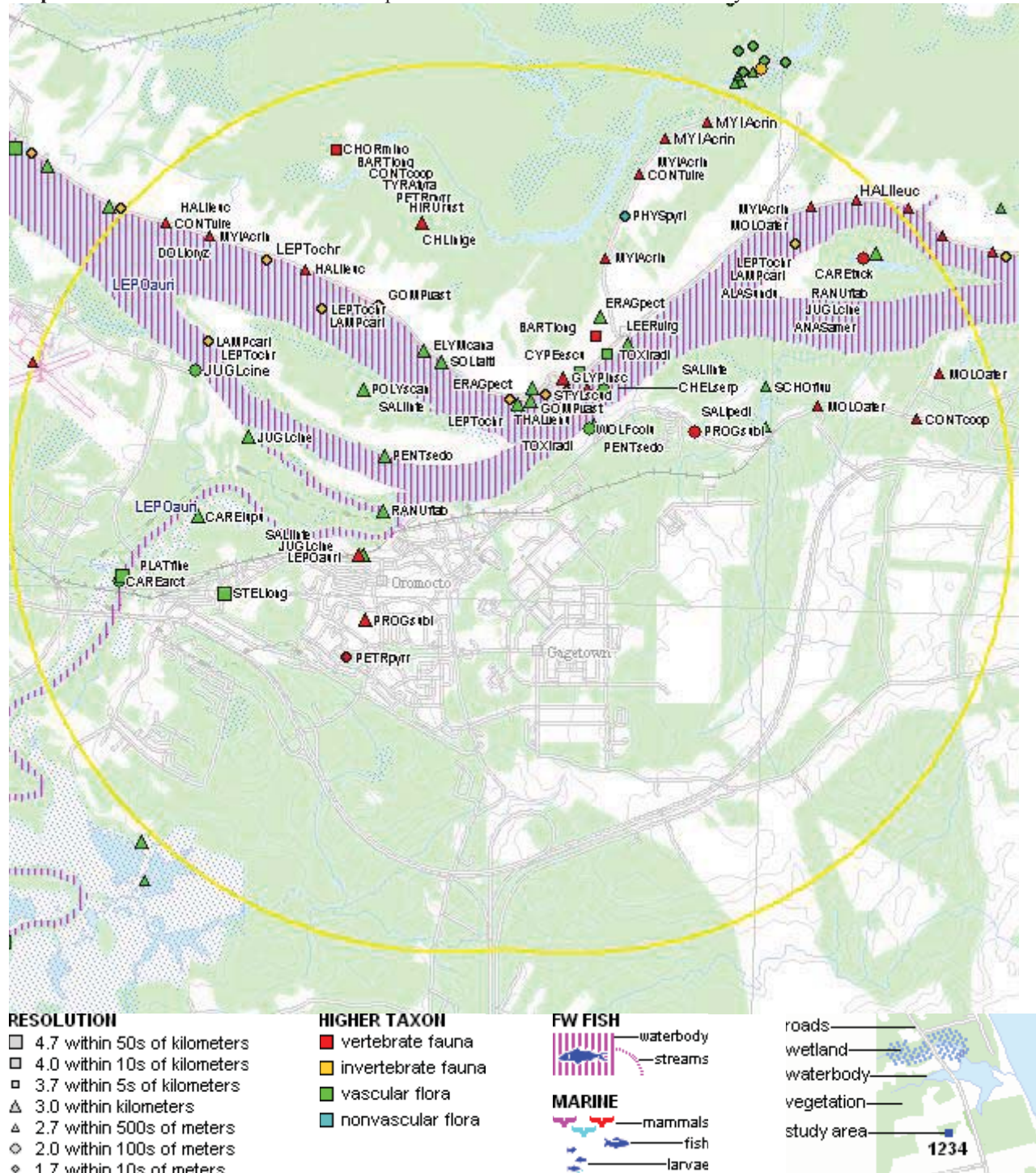
2.1 FLORA

A buffer around the study area contains 35 records of 20 vascular, 1 record of 1 nonvascular flora (Map 1 and attached: *ob.xls).

2.2 FAUNA

A buffer around the study area contains 39 records of 20 vertebrate, 32 records of 5 invertebrate fauna (Map 1 and attached data files - see 1.1 Data List). Sensitive data: Records indicate Wood Turtle may be present in the study area but concerns about commercial exploitation preclude inclusion of relevant data in this report. See attached file WOTU.pdf for general species information.

Map 1: Known observations of rare and/or protected flora and fauna within the study area.



3.0 SPECIAL AREAS

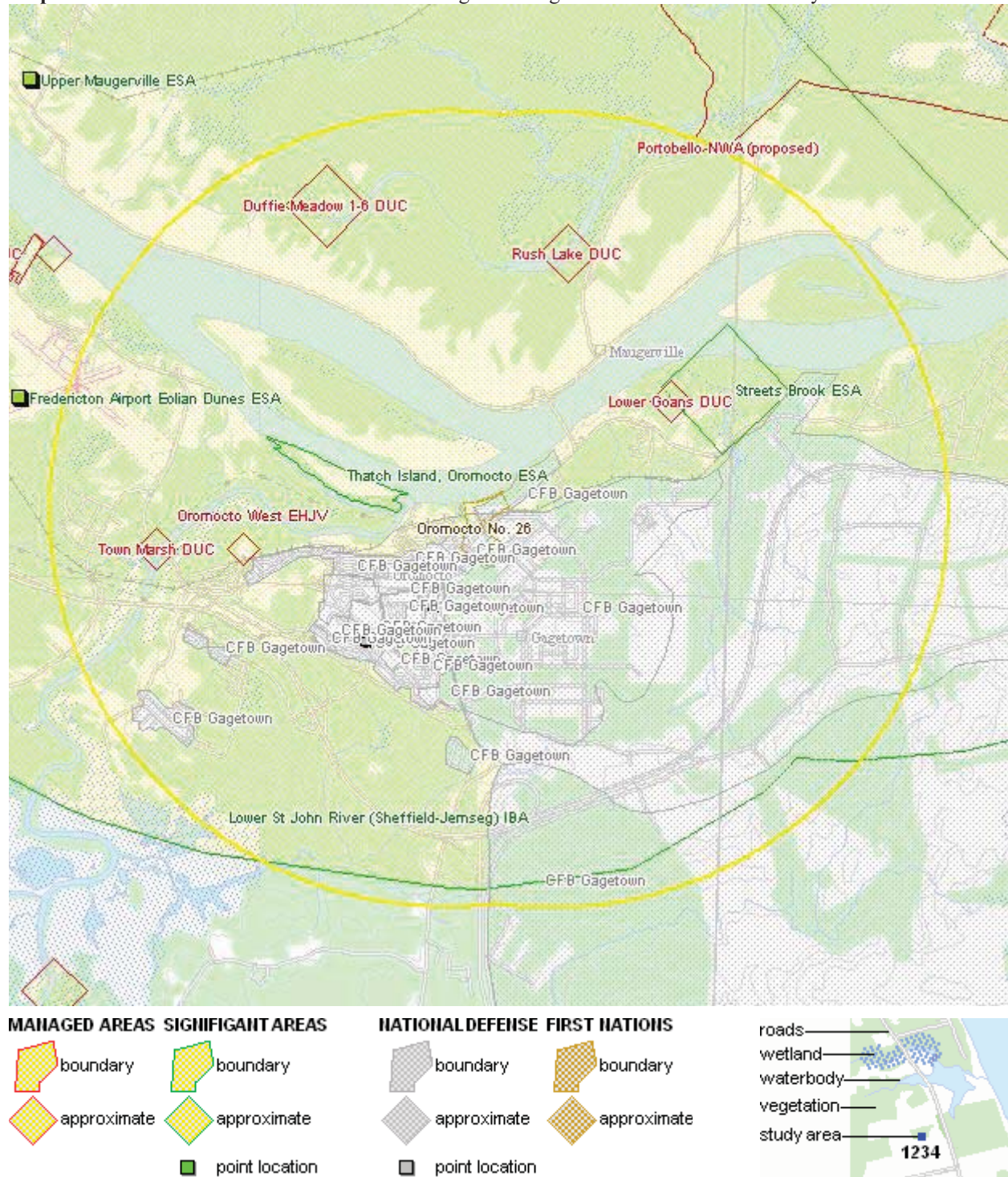
3.1 MANAGED AREAS

The GIS scan identified 6 managed areas in the vicinity of the study area (Map 2 and attached file: *ma*.xls)

3.2 SIGNIFICANT AREAS

The GIS scan identified 3 biologically significant sites in the vicinity of the study area (Map 2 and attached file: *sa*.xls)

Map 2: Boundaries and/or locations of known Managed and Significant Areas within the study area.



4.0 RARE SPECIES LISTS

Rare and/or endangered taxa within the buffered 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.

[P] = vascular plant, [N] = nonvascular plant, [A] = vertebrate animal, [I] = invertebrate animal, [C] = community.

4.1 FLORA

	Scientific Name	Common Name	COSEWIC	Prov Legal Prot	Prov Rarity Rank	Prov GS Rank	# recs	Distance (km)
N	<i>Physcomitrium pyriforme</i>	Pear-shaped Urn Moss			S2	Sensitive	1	3.5 ± 0.01
P	<i>Juglans cinerea</i>	Butternut	Endangered		S1	At Risk	4	1.7 ± 1.0
P	<i>Platanthera flava</i> var. <i>herbiola</i>	Pale Green Orchid			S1	May Be At Risk	2	4.5 ± 10.0
P	<i>Wolffia columbiana</i>	Columbian Watermeal			S1?	May Be At Risk	1	1.3 ± 0.1
P	<i>Solidago altissima</i>	Tall Goldenrod			S2	Secure	1	1.8 ± 1.0
P	<i>Stellaria longifolia</i>	Long-leaved Starwort			S2	Sensitive	1	3.4 ± 10.0
P	<i>Ranunculus flabellaris</i>	Yellow Water Buttercup			S2	Secure	2	1.5 ± 1.0
P	<i>Elymus canadensis</i>	Canada Wild Rye			S2	May Be At Risk	1	2.0 ± 1.0
P	<i>Leersia virginica</i>	White Cut Grass			S2	May Be At Risk	1	2.3 ± 1.0
P	<i>Toxicodendron radicans</i>	Poison Ivy			S2?	Sensitive	2	1.2 ± 1.0
P	<i>Eragrostis pectinacea</i>	Tufted Love Grass			S2?	Secure	2	1.4 ± 1.0
P	<i>Penthorum sedoides</i>	Ditch Stonecrop			S3	Secure	2	1.3 ± 0.5
P	<i>Polygonum scandens</i>	Climbing False Buckwheat			S3	Secure	1	2.1 ± 1.0
P	<i>Thalictrum venulosum</i>	Northern Meadow-rue			S3	Secure	2	1.2 ± 1.0
P	<i>Salix interior</i>	Sandbar Willow			S3	Secure	5	1.7 ± 0.25
P	<i>Salix pedicellaris</i>	Bog Willow			S3	Secure	1	3.0 ± 0.5
P	<i>Carex arcta</i>	Northern Clustered Sedge			S3	Secure	1	4.5 ± 0.1
P	<i>Carex lupulina</i>	Hop Sedge			S3	Secure	1	3.5 ± 1.0
P	<i>Carex tuckermanii</i>	Tuckerman's Sedge			S3	Secure	2	3.5 ± 1.0
P	<i>Cyperus esculentus</i>	Perennial Yellow Nutsedge			S3	Secure	2	1.7 ± 5.0
P	<i>Schoenoplectus fluviatilis</i>	River Bulrush			S3	Sensitive	1	3.2 ± 0.5

4.2 FAUNA

	Scientific Name	Common Name	COSEWIC	Prov Legal Prot	Prov Rarity Rank	Prov GS Rank	# recs	Distance (km)
A	<i>Salmo salar</i> pop. 7	Atlantic Salmon - Outer Bay of Fundy pop.	Endangered		S2	At Risk	1	0.2 ± 0
A	<i>Morone saxatilis</i>	Striped Bass	Threatened		S2	May Be At Risk	1	0.2 ± 0
A	<i>Glyptemys insculpta</i>	Wood Turtle	Threatened		S3	At Risk	1	1.6 ± 1.0
A	<i>Chordeiles minor</i>	Common Nighthawk	Threatened		S3B	At Risk	1	4.5 ± 5.0
A	<i>Hirundo rustica</i>	Barn Swallow	Threatened		S3B	Sensitive	1	4.5 ± 5.0
A	<i>Contopus cooperi</i>	Olive-sided Flycatcher	Threatened		S3S4B	At Risk	2	4.5 ± 5.0
A	<i>Dolichonyx oryzivorus</i>	Bobolink	Threatened		S3S4B	Sensitive	1	4.6 ± 0.5
A	<i>Acipenser brevirostrum</i>	Shortnose Sturgeon	Special Concern		S2	Sensitive	1	0.2 ± 0
A	<i>Chelydra serpentina</i>	Snapping Turtle	Special Concern		S3	Sensitive	2	1.6 ± 1.0
A	<i>Contopus virens</i>	Eastern Wood-Pewee	Special Concern		S4B	Secure	3	4.0 ± 0.5
A	<i>Chlidonias niger</i>	Black Tern	Not At Risk		S2B	Sensitive	1	3.4 ± 1.0
A	<i>Haliaeetus leucocephalus</i>	Bald Eagle	Not At Risk	Reg.Endangered	S3B	At Risk	3	3.6 ± 0.5
A	<i>Lepomis auritus</i>	Redbreast Sunfish	Data Deficient		S3?	Secure	3	0.2 ± 0
A	<i>Bartramia longicauda</i>	Upland Sandpiper			S1B	Sensitive	2	2.2 ± 5.0
A	<i>Progne subis</i>	Purple Martin			S1S2B	May Be At Risk	2	2.1 ± 1.0
A	<i>Anas americana</i>	American Wigeon			S3B	Secure	1	4.9 ± 0.1
A	<i>Myiarchus crinitus</i>	Great Crested Flycatcher			S3B	Sensitive	6	3.0 ± 0.5
A	<i>Molothrus ater</i>	Brown-headed Cowbird			S3B	May Be At Risk	3	3.6 ± 0.5
A	<i>Tyrannus tyrannus</i>	Eastern Kingbird			S3S4B	Sensitive	2	4.5 ± 5.0
A	<i>Petrochelidon pyrrhonota</i>	Cliff Swallow			S3S4B	Sensitive	2	2.5 ± 0.05
I	<i>Lampsilis cariosa</i>	Yellow Lampmussel	Special Concern		S2	Sensitive	22	3.1 ± 0.0
I	<i>Gomphus vastus</i>	Cobra Clubtail			S2	Sensitive	2	1.3 ± 0.01
I	<i>Alasmidonta undulata</i>	Triangle Floater			S2	Sensitive	1	4.4 ± 0.05
I	<i>Stylurus scudderii</i>	Zebra Clubtail			S3	Secure	1	1.3 ± 0.01
I	<i>Leptodea ochracea</i>	Tidewater Mucket			S3	Secure	6	1.2 ± 0.0

5.0 SOURCE BIBLIOGRAPHY

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

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