

APPENDIX C:

Atlantic Canada Conservation Data Centre Report

DATA REPORT 5875: Murray Corner, NB

Prepared 11 July 2017

by J. Churchill, Data Manager

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 (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
MurrayCrNB_5875ob.xls	All Rare and legally protected <i>Flora and Fauna</i> in your study area
MurrayCrNB_5875ob100km.xls	A list of Rare and legally protected <i>Flora and Fauna</i> within 100 km of your study area
MurrayCrNB_5875ma.xls	All <i>Managed Areas</i> in your study area
MurrayCrNB_5875sa.xls	All <i>Significant Natural 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) 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, All other Inquiries

Sean Blaney, Senior Scientist, Executive Director

Tel: (506) 364-2658

sblaney@mta.ca

Animals (Fauna)

John Klymko, Zoologist

Tel: (506) 364-2660

jklymko@mta.ca

Plant Communities

Sarah Robinson, Community Ecologist

Tel: (506) 364-2664

srobinson@mta.ca

Data Management, GIS

James Churchill, Data Manager

Tel: (902) 679-6146

jlchurchill@mta.ca

Billing

Jean Breau

Tel: (506) 364-2657

jrbreau@mta.ca

Questions on the biology of Federal Species at Risk can be directed to ACCDC: (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 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. To determine if location-sensitive species (section 4.3) occur near your study site please contact a NSDNR Regional Biologist:

Western: Duncan Bayne
(902) 648-3536
Duncan.Bayne@novascotia.ca

Western: Donald Sam
(902) 634-7525
Donald.Sam@novascotia.ca

Central: Shavonne Meyer
(902) 893-6353
Shavonne.Meyer@novascotia.ca

Central: Kimberly George
(902) 893-5630
Kimberly.George@novascotia.ca

Eastern: Mark Pulsifer
(902) 863-7523
Mark.Pulsifer@novascotia.ca

Eastern: Donald Anderson
(902) 295-3949
Donald.Anderson@novascotia.ca

Eastern: Terry Power
(902) 563-3370
Terrance.Power@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

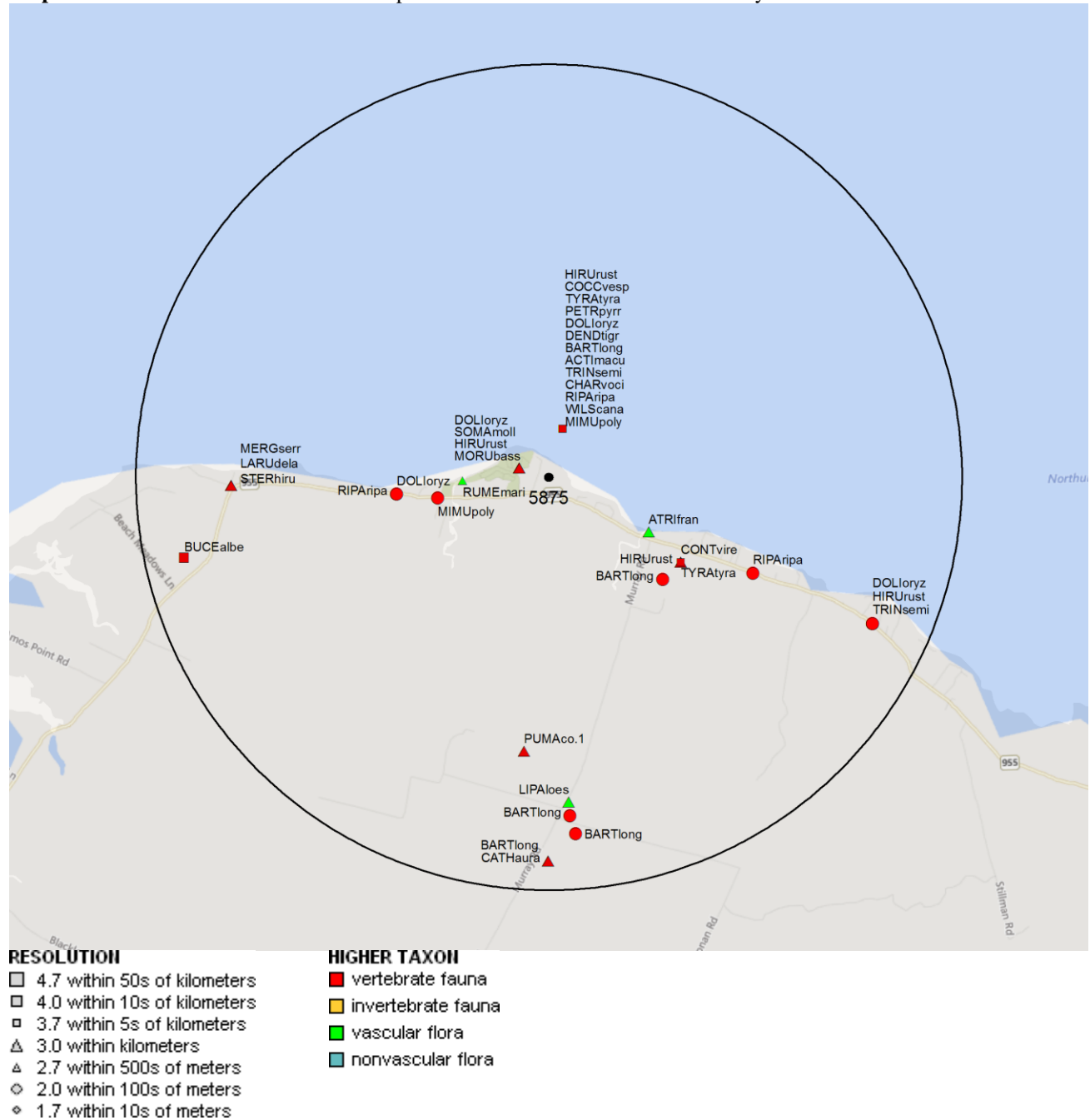
2.1 FLORA

The study area contains 3 records of 3 vascular, no records of nonvascular flora (Map 2 and attached: *ob.xls).

2.2 FAUNA

The study area contains 69 records of 22 vertebrate, no records of invertebrate fauna (Map 2 and attached data files - see 1.1 Data List). 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.



3.0 SPECIAL AREAS

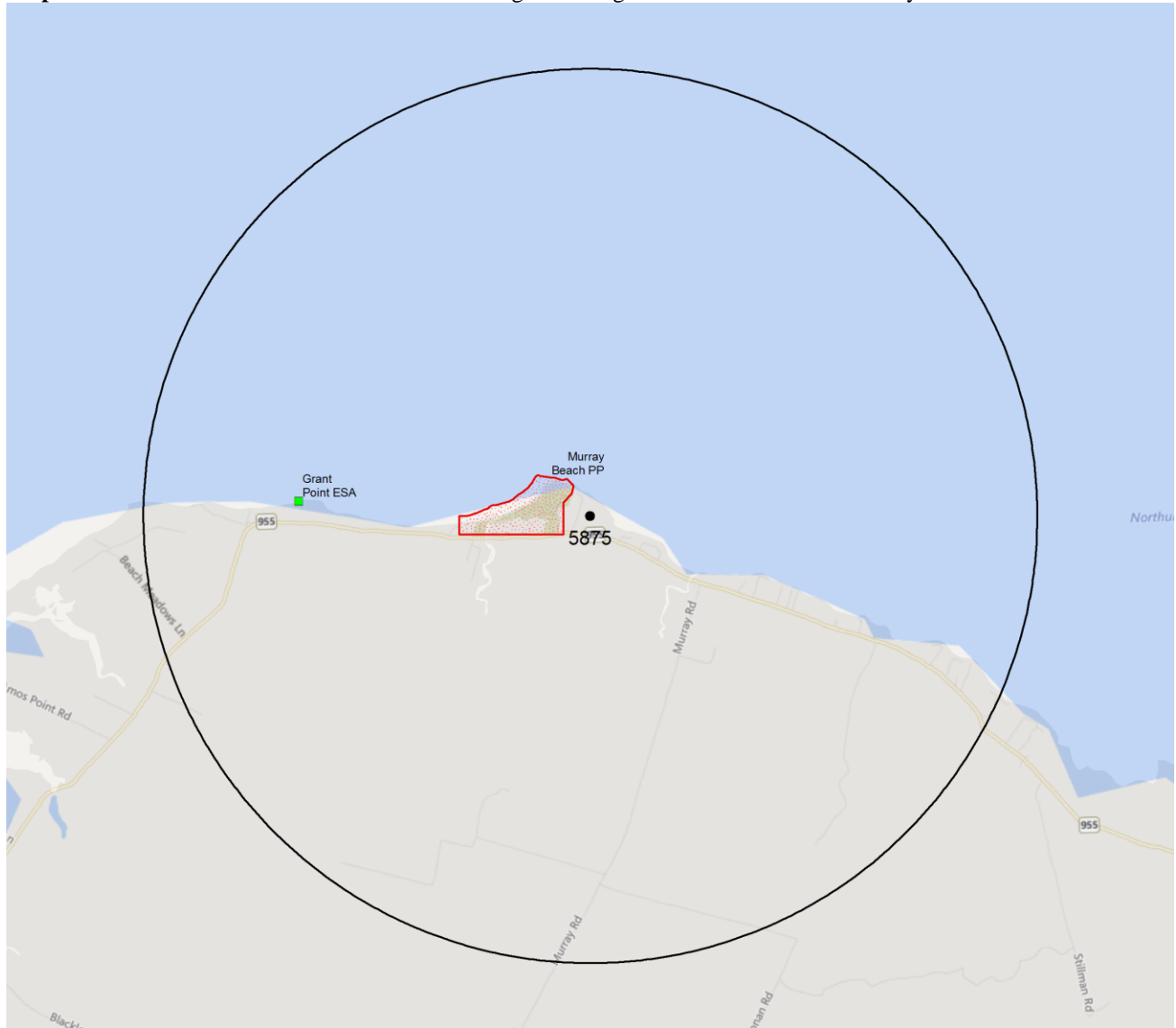
3.1 MANAGED AREAS

The GIS scan identified 1 managed area in the vicinity of the study area (Map 3 and attached file: *ma*.xls)

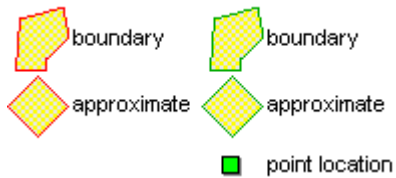
3.2 SIGNIFICANT AREAS

The GIS scan identified 1 biologically significant site 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.



MANAGED AREAS SIGNIFIKAINT AREAS



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 (\pm 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	Prov GS Rank	# recs	Distance (km)
P	<i>Atriplex franktonii</i>	Frankton's Saltbush				S2	4 Secure	1	1.4 \pm 1.0
P	<i>Liparis loeselii</i>	Loesel's Twayblade				S3	4 Secure	1	3.9 \pm 1.0
P	<i>Rumex maritimus</i>	Sea-Side Dock				S3S4	4 Secure	1	1.0 \pm 0.0

4.2 FAUNA

	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	Prov GS Rank	# recs	Distance (km)
A	<i>Hirundo rustica</i>	Barn Swallow	Threatened		Threatened	S2B,S2M	3 Sensitive	11	0.4 \pm 1.0
A	<i>Riparia riparia</i>	Bank Swallow	Threatened			S2S3B,S2S3M	3 Sensitive	8	0.6 \pm 7.0
A	<i>Wilsonia canadensis</i>	Canada Warbler	Threatened	Threatened	Threatened	S3B,S3M	1 At Risk	1	0.6 \pm 7.0
A	<i>Dolichonyx oryzivorus</i>	Bobolink	Threatened		Threatened	S3B,S3M	3 Sensitive	9	0.4 \pm 1.0
A	<i>Coccothraustes vespertinus</i>	Evening Grosbeak	Special Concern		Special Concern	S3B,S3S4N,SUM	3 Sensitive	1	0.6 \pm 7.0
A	<i>Coropus virens</i>	Eastern Wood-Pewee	Special Concern		Special Concern	S4B,S4M	4 Secure	1	1.9 \pm 3.0
A	<i>Sterna hirundo</i>	Common Tern	Not At Risk		Endangered	S3B,SUM	3 Sensitive	1	3.8 \pm 2.0
A	<i>Puma concolor pop. 1</i>	Eastern Cougar	Data Deficient			SU	5 Undetermined	1	3.3 \pm 1.0
A	<i>Bartania longicauda</i>	Upland Sandpiper				S1B,S1M	3 Sensitive	8	0.6 \pm 7.0
A	<i>Minus polyglottos</i>	Northern Mockingbird				S2B,S2M	3 Sensitive	5	0.6 \pm 7.0
A	<i>Petrochelidon pyrrhonota</i>	Cliff Swallow				S2S3B,S2S3M	3 Sensitive	5	0.6 \pm 7.0
A	<i>Cathartes aura</i>	Turkey Vulture				S3B,S3M	4 Secure	1	4.6 \pm 2.0
A	<i>Charadrius vociferus</i>	Killdeer				S3B,S3M	3 Sensitive	2	0.6 \pm 7.0
A	<i>Tringa semipalmata</i>	Willet				S3B,S3M	3 Sensitive	3	0.6 \pm 7.0
A	<i>Sornateria mollissima</i>	Common Eider				S3B,S4M,S3N	4 Secure	1	0.4 \pm 1.0
A	<i>Dendroica tigrina</i>	Cape May Warbler				S3B,S4S5M	4 Secure	1	0.6 \pm 7.0
A	<i>Mergus serrator</i>	Red-breasted Merganser				S3B,S5M,S4S5N	4 Secure	1	3.8 \pm 2.0
A	<i>Bucephala albeola</i>	Bufflehead				S3M,S2N	3 Sensitive	1	4.5 \pm 10.0
A	<i>Tyrannus tyrannus</i>	Eastern Kingbird				S3S4B,S3S4M	3 Sensitive	3	0.6 \pm 7.0
A	<i>Actitis macularius</i>	Spotted Sandpiper				S3S4B,S5M	4 Secure	3	0.6 \pm 7.0
A	<i>Larus delawarensis</i>	Ring-billed Gull				S3S4B,S5M	4 Secure	1	3.8 \pm 1.0
A	<i>Morus bassanus</i>	Northern Gannet				S3B,S5M	4 Secure	1	0.4 \pm 1.0

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”.

New Brunswick		SARA		Prov Legal Prot		Known within the Study Site?	
Scientific Name	Common Name						
<i>Chrysemys picta picta</i>	Eastern Painted Turtle	Special Concern	Special Concern	No	No		
<i>Chelydra serpentina</i>	Snapping Turtle	Threatened	Threatened	No	No		
<i>Glyptemys insculpta</i>	Wood Turtle	Threatened	Threatened	No	No		
<i>Haliaeetus leucocephalus</i>	Bald Eagle		Endangered	YES			
<i>Falco peregrinus</i> pop. 1	Peregrine Falcon - anatum/lundruius pop.	Special Concern	Endangered	No	No		
<i>Cichindela marginipennis</i>	Cobblesone Tiger Beetle	Endangered	Endangered	No	No		
<i>Coenonympa nipsisiquit</i>	Maritime Ringlet	Endangered	Endangered	No	No		
<i>Bat Hibernaculum</i>		[Endangered]¹	[Endangered]¹	[Endangered]¹	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 NB Species at Risk Act.

4.4 SOURCE BIBLIOGRAPHY

The recipient of these 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.

# recs	CITATION
40	Lepage, D. 2014. Maritime Breeding Bird Atlas Database. Bird Studies Canada, Sackville NB, 407,838 recs.
14	Erskine, A.J. 1992. Maritime Breeding Bird Atlas Database. NS Museum & Nimbus Publ., Halifax, 82,125 recs.
13	eBird. 2014. eBird Basic Dataset. Version: EBD_rellNov-2014. Ithaca, New York, Nov 2014. Cornell Lab of Ornithology, 25036 recs.
2	Benedict, B. Cornell Herbarium Specimens. University New Brunswick, Fredericton, 2003.
1	Bateman, M.C. 2001. Coastal Waterfowl Surveys Database, 1965-2001. Canadian Wildlife Service, Sackville, 667 recs.
1	Hinds, H.R. 1986. Notes on New Brunswick plant collections. Cornell Memorial Herbarium, unpubl, 739 recs.
1	NSDNR website
1	Scott, Fred W. 1998. Updated Status Report on the Cougar (Puma Concolor cougar) [Eastern population]. Committee on the Status of Endangered Wildlife in Canada, 298 recs.
1	Tins, J. & Craig, N. 1995. Environmentally Significant Areas in New Brunswick (NBESA). NB Dept of Environment & Nature Trust of New Brunswick Inc.