

## **A CHECKLIST OF VASCULAR PLANTS FROM SCATARIE ISLAND, NOVA SCOTIA**

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A vascular plant survey of Scatarie Island, Nova Scotia was conducted from 8 to 11 August 2005. Our expedition gathered 77 vascular plant collections that were deposited in the Saint Francis Xavier (STFX) and Cape Breton University (CBUH) herbaria. A Scatarie Island Vascular Plant Checklist was compiled, combining our survey and three previous vascular plant surveys for a total of 309 species extending the checklist by 15 species. There are now 203 species on the checklist represented by voucher specimens and 106 species not represented by voucher specimens which remain on the list. The island supports a number of plant species that are of special interest because of their rarity in the region, especially those with an arctic or alpine affiliation.

Une étude des plantes vasculaires de l'île Scatarie, en Nouvelle-Écosse, a été effectuée du 8 au 11 août 2005. L'expédition a permis de recueillir 77 collections de plantes vasculaires qui ont été déposées dans les herbiers de l'Université Saint Francis Xavier et de la Cape Breton University. Une liste des plantes vasculaires de l'île Scatarie a été dressée, à partir de notre étude et de trois études précédentes menées sur les plantes vasculaires. La liste s'est enrichie de 15 espèces supplémentaires et compte au total 309 espèces. Sur ces 309 espèces, 203 sont maintenant représentées par des spécimens de référence et 106 espèces pour lesquelles on n'a pas de spécimens de référence restent sur la liste. L'île abrite plusieurs espèces végétales qui présentent un intérêt particulier compte tenu de leur rareté dans la région, particulièrement celles qui sont associées aux zones arctiques ou alpines.

### **INTRODUCTION**

Scatarie Island is a provincial protected Wilderness Area located off the north-eastern coast of Cape Breton, Nova Scotia (Province of Nova Scotia 2006); the island is known for its rare bird and plant species (Cameron 2004). Most of the island is boreal forest, a char-

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acteristic of locations near the Atlantic coast (Loucks 1961, Davis & Browne 1998). Near the coast the forest gives way to barrens, salt marshes, and wetlands while the hilly interior is covered with exposed taiga, bogs and fens. In most of these habitats, the same species of introduced and native plants are common on Scatarie Island as on the mainland; however, Scatarie Island is also home to many provincial rarities. These species are typically adapted to more northerly climates and persist in the harsh climate of Scatarie Island (Davis & Browne 1998). This checklist combines past vascular plant surveys with our recent survey to provide a current checklist of the Island's vascular flora which will aid future inquiry into the vascular plants and the ecosystem of Scatarie Island.

## METHODS

Between 09 and 11 August 2005, Scatarie Island was explored on foot as part of a volunteer "Bioblitz" expedition. Collections of vascular plants were made within three kilometres of Northwest Cove, using an unpublished species checklist as a guide (Williams 2000). This checklist was compiled using unpublished records from previous explorations of Scatarie Island (Table 1). Plants were collected, habitat details were recorded, and plants were pressed immediately. Identifications were made in the field using Roland and Smith (1966, 1969), or in a herbarium with the aid of dissecting microscopes, using Roland (1998), and collections at Saint Francis Xavier (STFX) and Cape Breton University (CBUH).

**Table 1** A list of previous collection trips to Scatarie Island. Date, collectors' names and repository of their specimens are supplied. ACAD = E. C. Smith Herbarium, Acadia University, Wolfville; CBUH = Cape Breton University Herbarium, Sydney; NSPM = Nova Scotia Provincial Museum, Halifax; STFX = St. Francis Xavier University Herbarium, Antigonish.

Year	Collectors	Herbarium
1951	Erskine, JS	NSPM
1951	Smith, EC, Schofield, WB, Sampson, DR, Bent, FC	ACAD
1953	Smith, EC, Schofield, WB, Taylor, JC, Webster, DH, Slipp, LB and Bently, PA	ACAD & NSPM
1953	Smith, EC, Taylor, JC, Webster, DH, Slipp, LB and Schofield, WB	ACAD & NSPM
1971	Godfrey, AP	none
1984	Williams, M	NSPM & CBUH
1992	Crins, WJ and McCorquodale, DB	CBUH
1995	Williams, M and Currie, N	CBUH & ACAD
2005	Ferrier, J, MacDonald, AAM and Taylor, BR	STFX & CBUH

The habitats sampled included dense coniferous forests, grassy dunes, coastal headlands and barrens, inland barrens, barrachois, bogs, and roadsides. On 09 August a route was explored starting at Northwest Cove through the forest and barrens to Tin Cove. From Tin Cove the route extended southeast along the coast and across the peninsula northeast of Howe Point. The route continued along the coast as far as Eastern Harbour and back to Northwest Cove. On 10 August three areas were explored: the coast at Savage point, the nearby plateau-taiga hilltops, and the forest and brackish lakes southeast of Northwest Cove.

Voucher specimens were deposited at STFX and CBUH, labelled with the plant's scientific and common names, collection date, GPS coordinates, habitat, collector, identifier, and a herbarium specimen number. All species names and authorities of past surveys were updated using Roland (1998).

## RESULTS

The complete vascular plant checklist for Scatarie Island, including new collections, is given in Table 2. This list comprises 308 species in 68 families. Of these, fifteen species are new to the checklist. Specimens of twelve of these were collected: *Carex disperma*, *Epilobium hornemannii*, *Goodyera tessellata*, *Ilex glabra*, *Moneses uniflora*, *Monotropa uniflora*, *Plantanthera obtusata*, *Listera cordata*, *Pyrola elliptica*, *Scirpus acutus*, *Scirpus maritimus* and *Taxus canadensis*. We observed, but did not collect three previously unreported species: *Atriplex patula*, *Larix laricina* forma *depressa*, and *Typha latifolia*. Some 106 plants were included in the checklist based on unpublished sources (Table 1), despite the absence of voucher specimens.

We also found several colonies of rare plants and recorded their GPS coordinates, only collecting where plants were abundant (Table 3). We define rare plants as those that are numerically infrequent at some spatial scale. The Atlantic Canada Conservation Data Centre (ACCDC) maintains a list of rare plants in the province, while the Nova Scotia Department of Natural Resources (DNR) has classified most species according to the degree to which their provincial populations are at risk of extirpation, as green (secure), yellow (vulnerable) or red (threatened). Rarity is only one element determining whether a species is at risk.

We report three populations of *Vaccinium uliginosum* and one of *V. boreale*, as well as confirming the continued presence of *Cornus suecica* at Northwest Cove. The GPS coordinates in Table 3 can be used by future researchers to locate and monitor the survival of these populations.

**Table 2** A vascular plant list for Scatarie Island. Data are compiled from unpublished sources, four Nova Scotia herbaria, and our own collections (†). Our new additions to the list are indicated with an asterisk (\*). Numbers in columns indicate the number of specimens at each herbarium. Note that some species on the list are not represented by collections and have been included based on unpublished resources. We observed but did not collect three of these species (indicated with ~).

Family	Status	Species Name	Authority	Common Name	STFX	CBUH	NSPM	ACAD
Apiaceae		<i>Angelica sylvestris</i>	L.	Woodland angelica		1		
Apiaceae		<i>Carum carvi</i>	L.	Caraway				1
Apiaceae		<i>Cicuta bulbifera</i>	L.	Bulbous water-hemlock				
Apiaceae	†	<i>Ligusticum scoticum</i>	L.	Scotch lovage	1	1		
Apiaceae	†	<i>Sium suave</i>	L.	Water-parsnip	1			
Aquifoliaceae	†*	<i>Ilex glabra</i>	(L.) Gray	Inkberry		1		
Aquifoliaceae		<i>Ilex verticillata</i>	(L.) Gray	Canada holly				
Aquifoliaceae		<i>Nemopanthus mucronata</i>	(L.) Treil.	False holly				
Araliaceae		<i>Aralia hispida</i>	Vent.	Bristly aralia		1		
Asteraceae	†	<i>Achillea millefolium</i>	L.	Yarrow	1	1		
Asteraceae		<i>Ambrosia artemisiifolia</i>	L.	Common ragweed				
Asteraceae		<i>Anaphalis margaritacea</i>	(L.) Benth. & Hook.	Pearly everlasting		1		
Asteraceae		<i>Antennaria neglecta</i> var. <i>neodioica</i>	(Green) Cronq.	Everlasting				
Asteraceae		<i>Aster acuminatus</i>	Michx.	Wood aster				
Asteraceae	†	<i>Aster nemoralis</i>	Ait.	Bog aster		1		
Asteraceae	†	<i>Aster novi-belgii</i>	L.	New York aster	1			
Asteraceae		<i>Aster radula</i>	Ait.	Low rough aster		1		
Asteraceae		<i>Bidens frondosa</i>	L.	Common beggar's ticks				
Asteraceae		<i>Chrysanthemum leucanthemum</i>	L.	Ox-eye daisy				1
Asteraceae		<i>Cirsium vulgare</i>	(Savi) Tenore	Bull thistle				1
Asteraceae		<i>Gnaphalium uliginosum</i>	L.	Low cudweed				
Asteraceae		<i>Gnaphalium sylvaticum</i>	L.	Cudweed				
Asteraceae		<i>Hieracium caespitosum</i>	Dumort	Meadow hawkweed				1
Asteraceae		<i>Hieracium floribundum</i>	Wimm. & Grabb.	King-devil				

Table 2 Continued

Family	Status	Species Name	Authority	Common Name	STFX	CBUH	NSPM	ACAD
Asteraceae		<i>Hieracium murorum</i>	L.	Wall hawkweed				1
Asteraceae		<i>Hieracium pilosella</i>	L.	Mouse-ear hawkweed				1
Asteraceae	†	<i>Leontodon autumnalis</i>	L.	Fall dandelion		1		1
Asteraceae		<i>Matricaria maritima</i>	(Less.) Porter	Mayweed				1
Asteraceae		<i>Matricaria matricarioides</i>	(Less.) Porter	Pinapple-weed				1
Asteraceae		<i>Prenanthes altissima</i>	L.	Tall rattlesnake-root				1
Asteraceae	†	<i>Prenanthes nana</i>	(Bigel) Torr.	Dwarf rattlesnake-root	1			1
Asteraceae		<i>Prenanthes trifoliolata</i>	(Cass.) Fern.	Lion's-paw				1
Asteraceae		<i>Senecio jacobaea</i>	L.	Ragwort				1
Asteraceae		<i>Solidago nemoralis</i>	Ait.	Old-field goldenrod				1
Asteraceae		<i>Solidago puberula</i>	Nutt.	Rough goldenrod				1
Asteraceae		<i>Solidago rugosa</i>	Ait.	Rough goldenrod				1
Asteraceae	†	<i>Solidago sempervirens</i>	L.	Seaside goldenrod		1		1
Asteraceae	†	<i>Solidago uliginosa</i>	Nutt.	Bog goldenrod		1		1
Asteraceae		<i>Sonchus arvensis</i>	L.	Perennial sow-thistle				1
Asteraceae		<i>Sonchus asper</i>	(L.) Hill	Spiny sow-thistle				1
Asteraceae		<i>Sonchus oleraceus</i>	L.	Annual sow-thistle				1
Asteraceae		<i>Tanacetum vulgare</i>	L.	Tansy				1
Asteraceae		<i>Taraxacum officinale</i>	Weber	Common dandelion				1
Asteraceae		<i>Tussilago farfara</i>	L.	Coltsfoot				1
Balsaminaceae	†	<i>Impatiens capensis</i>	Meerb.	Spotted touch-me-not	1			1
Betulaceae		<i>Alnus incana</i>	(L.) Moench	Alder				1
Betulaceae	†	<i>Alnus viridis</i>	(Villars) Lamb.	Alder	1			1
Betulaceae		<i>Betula alleghaniensis</i>	Britt.	Yellow birch				1
Betulaceae	~	<i>Betula cordifolia</i>	Regel	Heart-leaved birch				1
Betulaceae		<i>Betula papyrifera</i>	Marsh.	Paper birch		1		1
Boraginaceae		<i>Mertensia maritima</i>	(L.) S.F.Gray	Sea-lungwort				1

Table 2 Continued

Family	Status	Species Name	Authority	Common Name	STFX	CBUH	NSPM	ACAD
Brassicaceae		<i>Cakile edentula</i>	(Bigel.) Hook	Sea-rocket	1	2		
Brassicaceae		<i>Capsella bursa-pastoris</i>	(L.) Medikus	Shepard's purse				1
Brassicaceae		<i>Cardamine parviflora</i>	L.	Sand bittercress				
Callitricheaceae		<i>Callitriche palustris</i>	L.	Water starwort				
Campanulaceae		<i>Campanula rotundifolia</i>	L.	Hare-bell	1			
Caprifoliaceae		<i>Diervilla lonicera</i>	P. Mill.	Bush honeysuckle				
Caprifoliaceae		<i>Linnaea borealis</i>	L.	Twinflower				
Caprifoliaceae		<i>Lonicera villosa</i>	(Michx.) R. & S.	Moutain fly-honeysuckle	1			
Caprifoliaceae		<i>Viburnum nudum</i>	L.	Witherod	1			
Caryophyllaceae	†	<i>Arenaria lateriflora</i>	L.	Sandwort	1	3		
Caryophyllaceae		<i>Cerastium vulgatum</i>	L.	Mouse-eared chickweed	1	2		1
Caryophyllaceae		<i>Cirsium arvense</i>	(L.) Scop.	Canada thistle				1
Caryophyllaceae		<i>Honckenya peploides</i>	(L.) Ehrh.	Seabeach-sandwort	1	2		
Caryophyllaceae		<i>Sagina procumbens</i>	L.	Pearlwort				
Caryophyllaceae	†	<i>Spergularia marina</i>	(L.) Griseb.	Salt sand-spurry	1	1		
Caryophyllaceae		<i>Spergularia rubra</i>	(L.) J. & C. Presl.	Sand-spurry				1
Caryophyllaceae		<i>Stellaria graminea</i>	L.	Stitchwort				
Caryophyllaceae		<i>Stellaria humifusa</i>	Rottb.	Saltmarsh starwort		1		1
Caryophyllaceae	~	<i>Stellaria media</i>	(L.) Cyrillo	Common chickweed				1
Chenopodiaceae		<i>Atriplex patula</i>	L.	Orach				
Chenopodiaceae		<i>Salicornia europaea</i>	L.	Glasswort				
Chenopodiaceae		<i>Suaeda maritima</i>	(L.) Dumort	Sea-blite				
Clusiaceae		<i>Hypericum boreale</i>	(Britton) E. Bickn.	Northern St. John's-wort				
Clusiaceae	†	<i>Hypericum canadense</i>	L.	Lesser Canadian St. John's-wort	1			
Clusiaceae	†	<i>Triadenum fraseri</i>	(Spach) Gleason	Marsh St. John's-wort	1	1		

Table 2 Continued

Family	Status	Species Name	Authority	Common Name	STFX	CBUH	NSPM	ACAD
Clusiaceae		<i>Triadenum virginicum</i>	(L.) Raf.	Virginia marsh		1		1
Convolvulaceae		<i>Calystegia sepium</i>	R.Br.	Hedge false bindweed				
Cornaceae		<i>Cornus canadensis</i>	L.	Bunchberry		1		
Cornaceae	†	<i>Cornus suecica</i>	L.	Lapland cornel	1	1	1	1
Cornaceae	†	<i>Cornus x intermedia</i>	(Farr) Calder & Roy L. Taylor			1		
Crassulaceae		<i>Crassula aquatica</i>	(L.) Schönl.	Pygmy-weed			1	1
Cupressaceae	†	<i>Juniperus communis</i> var. <i>depressa</i>	Pursh	Ground juniper	1	1	1	1
Cupressaceae	†	<i>Juniperus horizontalis</i>	Moench	Creeping juniper	1		1	1
Cyperaceae		<i>Carex brunnescens</i>	(Pers.) Poirlet	Sedge				
Cyperaceae		<i>Carex canescens</i>	L.	Sedge				
Cyperaceae	†*	<i>Carex disperma</i>	Dewey	Sedge	1			
Cyperaceae		<i>Carex echinata</i>	Murray	Sedge				
Cyperaceae		<i>Carex exilis</i>	Dewey	Sedge				
Cyperaceae		<i>Carex folliculata</i>	L.	Sedge			1	
Cyperaceae		<i>Carex hormathodes</i>	Fern.	Sedge			1	
Cyperaceae		<i>Carex leptalea</i>	Wahlemb.	Sedge				
Cyperaceae		<i>Carex limosa</i>	L.	Sedge				
Cyperaceae		<i>Carex nigra</i>	(L.) Reichard	Sedge		1		
Cyperaceae		<i>Carex paleacea</i>	Schreber.	Sedge				
Cyperaceae		<i>Carex pauciflora</i>	Lightf.	Sedge				
Cyperaceae	†	<i>Carex paupercula</i>	Michx.	Sedge	1	1	1	
Cyperaceae	†	<i>Carex rariflora</i>	(Wahl.) Smith	Sedge		1	2	1
Cyperaceae	†	<i>Carex recta</i>	Boott	Sedge		1		
Cyperaceae	†	<i>Carex rostrata</i>	Stokes	Sedge	1		3	
Cyperaceae		<i>Carex scoparia</i>	Schkuhr	Sedge				

Table 2 Continued

Family	Status	Species Name	Authority	Common Name	STFX	CBUH	NSPM	ACAD
Cyperaceae		<i>Carex trisperma</i>	Dewey	Sedge				
Cyperaceae		<i>Carex viridula</i>	Michx.	Sedge				
Cyperaceae		<i>Eleocharis halophila</i>	(Fern. & Black) Fern. & Black	Spike-rush			1	
Cyperaceae		<i>Eleocharis nitida</i>	Fern.	Spike-rush			1	1
Cyperaceae		<i>Eleocharis smallii</i>	(L.) R & S	Spike-rush			1	
Cyperaceae		<i>Eriophorum polystachion</i>	L.	Cotton-grass				
Cyperaceae		<i>Eriophorum tenellum</i>	Nutt.	Cotton-grass				
Cyperaceae		<i>Eriophorum viridi-carinatum</i>	(Engelm.) Fern.	Cotton-grass				
Cyperaceae		<i>Eriophorum spissum</i>	Fern.	Hare's tail			1	
Cyperaceae		<i>Eriophorum vaginatum</i>	L.	Cotton-grass		1	1	
Cyperaceae	†	<i>Eriophorum virginicum</i>	L.	Tawny cotton-grass	1		1	
Cyperaceae	†	<i>Rhynchospora alba</i>	(L.) Vahl	Beak-rush	1		1	
Cyperaceae		<i>Rhynchospora fusca</i>	(L.) Aiton f.	Beak-rush		1		
Cyperaceae	†*	<i>Scirpus acutus</i>	Muhl.	Bulrush	1			
Cyperaceae		<i>Scirpus atrocinctus</i>	L. Kunth	Bulrush				
Cyperaceae	†	<i>Scirpus caespitosus</i>	L.	Deergrass	1		1	
Cyperaceae	†*	<i>Scirpus maritimus</i>	L.	Saltmarsh bulrush	1			
Cyperaceae	†	<i>Scirpus validus</i>	Vahl	Bulrush	1		1	
Dennstaedtiaceae		<i>Dennstaedium punctilobula</i>	(Michx.) Moore	Hay-scented fern				1
Dennstaedtiaceae		<i>Pteridium aquilinum</i>	(L.) Kuhn.	Bracken			1	1
Droseraceae	†	<i>Drosera intermedia</i>	Hayne	Narrow-leaved sundew		1		
Droseraceae	†	<i>Drosera rotundifolia</i>	L.	Round-leaved sundew	1			
Dryopteridaceae		<i>Dryopteris carthusiana</i>	(Will.) Fuchs	Spinulose woodfern				1
Dryopteridaceae		<i>Dryopteris cristata</i>	(L.) Gray	Crested wood-fern				1
Empetraceae		<i>Empetrum nigrum</i>	L.	Black crowberry		1		
Equisetaceae		<i>Equisetum arvense</i>	L.	Field horsetail				1



Table 2 Continued

Family	Status	Species Name	Authority	Common Name	STFX	CBUH	NSPM	ACAD
Equisetaceae	†	<i>Equisetum fluviatile</i>	L.	Water horsetail	1			1
Equisetaceae		<i>Equisetum sylvaticum</i>	L.	Wood horsetail			1	1
Equisetaceae		<i>Equisetum X litorale</i>	Kuhl.	Hybrid horsetail		1		
Ericaceae	†	<i>Andromeda glaucophylla</i>	Link	Bog-rosemary	1	1		
Ericaceae	†	<i>Chamaedaphne calyculata</i>	(L.) Moench	Leather leaf				
Ericaceae	†	<i>Gaultheria hispida</i>	(L.) Muhl.	Creeping snowberry	1	1		
Ericaceae		<i>Gaultheria procumbens</i>	L.	Teaberry				
Ericaceae	†	<i>Gaylussacia baccata</i>	(Wang.) K. Koch	Huckleberry		1		
Ericaceae		<i>Gaylussacia dumosa</i>	(Andr.) T&G	Bog huckleberry	1	1		
Ericaceae		<i>Kalmia angustifolia</i>	L.	Lambkill				
Ericaceae		<i>Kalmia polifolia</i>	Wang.	Bog laurel		1		
Ericaceae	†	<i>Ledum groenlandicum</i>	Oeder.	Labrador tea	1	1		
Ericaceae		<i>Rhododendron canadense</i>	(L.) Torr.	Rhodora				
Ericaceae		<i>Vaccinium oxycoccus</i>	L.	Small cranberry				
Ericaceae		<i>Vaccinium angustifolium</i>	Ait.	Blueberry				
Ericaceae		<i>Vaccinium boreale</i>	Hall & Aalders	Northern blueberry				1
Ericaceae	†	<i>Vaccinium macrocarpon</i>	Ait.	Large cranberry		1		
Ericaceae	†	<i>Vaccinium uliginosum</i>	L. var. alpinum Bigelow	Alpine whortleberry	1	1	1	1
Ericaceae	†	<i>Vaccinium vitis-idaea</i>	L.	Foxberry	1			
Eriocaulaceae		<i>Eriocaulon aquaticum</i>	(Hill) Druess.	Pipwort				
Fabaceae		<i>Lathyrus maritimus</i>	(L.) Bigelow	Beach pea		1		
Fabaceae		<i>Trifolium hybridum</i>	L.	Alsike clover				1
Fabaceae		<i>Trifolium pratense</i>	L.	Red clover				1
Fabaceae	†	<i>Trifolium repens</i>	L.	White clover		1		1
Fabaceae		<i>Vicia cracca</i>	L.	Vetch				1
Gentianaceae		<i>Bartonia paniculata</i>	(Michx.) Muhl.	Screw-stem				

Table 2 Continued

Family	Status	Species Name	Authority	Common Name	STFX	CBUH	NSPM	ACAD
Gentianaceae		<i>Halenia deflexa</i>	(Sm.) Griseb.	Spurred gentian			1	1
Gentianaceae		<i>Menyanthes trifoliata</i>	L.	Buckbean				
Hippuridaceae	†	<i>Hippuris vulgaris</i>	L.	Mare's-tail	1	1		
Iridaceae	†	<i>Iris setosa</i>	Pallas	Beachhead iris			3	
Iridaceae		<i>Iris versicolor</i>	L.	Blue flag iris		1	2	
Iridaceae	†	<i>Sisyrinchium montanum</i>	Greene	Blue-eyed grass				
Isoetaceae		<i>Isoetes echinospora</i>	Dur.	Quillwort				1
Isoetaceae		<i>Isoetes tuckermanni</i>	A. Br.	Quillwort				
Juncaceae		<i>Juncus brevicaudatus</i>	(Engelm.) Fern.	Rush				
Juncaceae		<i>Juncus bufonius</i>	L.	Toad rush				
Juncaceae	†	<i>Juncus effusus</i>	L.	Soft rush		1	1	
Juncaceae		<i>Juncus filiformis</i>	L.	Rush				
Juncaceae		<i>Juncus militaris</i>	Bigelow	Rush				
Juncaceae		<i>Juncus pelocarpus</i>	E. Mayer	Rush				
Juncaceae		<i>Juncus tenuis</i>	Willd.	Rush				
Juncaceae		<i>Luzula multiflora</i>	(Retz.) Lejeune	Common woodrush				
Juncaginaceae		<i>Triglochin maritima</i>	L.	Arrow-grass				
Lamiaceae		<i>Galeopsis tetrahit</i>	L.	Hemp-nettle				1
Lamiaceae		<i>Mentha arvensis</i>	L.	Field mint				
Lamiaceae	†	<i>Scutellaria galericulata</i>	L.	Marsh-skullcap	1	1		
Lentibulariaceae	†	<i>Utricularia cornuta</i>	Michx.	Bladder-wort	1	1		
Lentibulariaceae		<i>Utricularia geminiscaepa</i>	Benj.	Bladder-wort				
Lentibulariaceae		<i>Utricularia vulgaris</i>	L.	Bladder-wort				
Liliaceae		<i>Allium schoenoprasum</i> var. <i>sibiricum</i>	L.	Wild chives				1
Liliaceae		<i>Clintonia borealis</i>	(Aiton.) Raf.	Blue-bead lily				
Liliaceae		<i>Maianthemum canadense</i>	Desf.	Wild lily-of-the-valley				

Table 2 Continued

Family	Status	Species Name	Authority	Common Name	STFX	CBUH	NSPM	ACAD
Liliaceae		<i>Smilacina stellata</i>	(L.) Desf.	Starry false solomon's seal	1	1	3	
Liliaceae	†	<i>Smilacina trifolia</i>	(L.) Desf.	Three-leaved false solomon's seal	1	1	1	
Linaceae		<i>Radiola linoides</i>	Roth.	Tiny all-seed	1			1
Lycopodiaceae		<i>Lycopodium annotinum</i>	L.	Bristly club-moss				1
Lycopodiaceae	†	<i>Lycopodium uniflorus</i>	Michx.	Northern bugleweed				
Monotropaceae	†	<i>Monotropa hypopithys</i>	L.	Pine-sap	1			
Monotropaceae	†*	<i>Monotropa uniflora</i>	L.	Indian-pipe				
Myricaceae	†	<i>Myrica gale</i>	L.	Sweet gale	1			
Myricaceae	†	<i>Myrica pennsylvanica</i>	Mirbell.	Bayberry	1			
Nymphaeaceae	†	<i>Nuphar variegata</i>	Durand	Cow-lily	1			1
Nymphaeaceae	†	<i>Nuphar X rubrodisca</i>	rubrodisca Morong	Yellow pond-lily	1			1
Nymphaeaceae	†	<i>Nymphaea odorata</i>	Alton	Water-lily	1			
Onagraceae	†	<i>Circaea alpina</i>	L.	Small enchanter's nightshade	1			
Onagraceae		<i>Epilobium glandulosum</i>	Lehm.	Willow-herb				
Onagraceae	†	<i>Epilobium angustifolium</i>	L.	Fireweed	1			
Onagraceae	†	<i>Epilobium ciliatum</i>	Raf	Fringed willow-herb	1			1
Onagraceae	†*	<i>Epilobium hornemannii</i>	Reichenb.	Hornemann's willow-herb	1			
Onagraceae	†	<i>Epilobium leptophyllum</i>	Raf.	Bog willow-herb	1			
Onagraceae	†	<i>Epilobium palustre</i>	L.	Marsh willow-herb	1			
Onagraceae	†	<i>Oenothera biennis</i>	L.	Evening primrose				
Onagraceae	†	<i>Oenothera parviflora</i>	L.	Small-flowered evening-primrose				
Onagraceae		<i>Trientalis borealis</i>	Raf.	Starflower				
Orchidaceae		<i>Arethusa bulbosa</i>	L.	Arethusa				1

Table 2 Continued

Family	Status	Species Name	Authority	Common Name	STFX	CBUH	NSPM	ACAD
Orchidaceae		<i>Calopogon pulchellus</i>	R. Br.	Calopogon			1	
Orchidaceae		<i>Calopogon tuberosus</i>	(L.) BSP	Calopogon		1		1
Orchidaceae	†*	<i>Goodyera tessellata</i>	Lodd.	Checkered rattlesnake plantain	1			
Orchidaceae	†*	<i>Listera cordata</i>	(L.) R. Br.	Heart-leaved twayblade	1	1		1
Orchidaceae		<i>Malaxis unifolia</i>	Michx.	Adder's mouth				1
Orchidaceae	†	<i>Platanthera clavellata</i>	(Michx.) Luer	Northern club-spur	1			1
Orchidaceae	†*	<i>Platanthera obtusata</i>	(Banks) Lindl.	Blunt-leaved rein orchid	1			1
Orchidaceae		<i>Platanthera lacera</i>	(Michx) G. Don.	Ragged fringed orchid				1
Orchidaceae	†	<i>Pogonia ophioglossoides</i>	(L.) Ker-Gawler	Rose pogonia	1			1
Orchidaceae		<i>Spiranthes romanoffiana</i>	Cham.	Hooded ladies'-tresses			1	1
Osmundaceae		<i>Osmunda cinnamomea</i>	L.	Cinnamon fern				1
Osmundaceae		<i>Osmunda regalis var spectabilis</i>	(Willd) Gray	Royal fern				1
Pinaceae		<i>Abies balsamea</i>	(L.) Mill	Balsam-fir		1		1
Pinaceae		<i>Abies balsamea var phanerolepis</i>	Fern.	Balsam-fir		1		1
Pinaceae		<i>Larix laricina</i>	(DuRoi) K. Koch	Larch				1
Pinaceae	~	<i>Larix laricina forma depressa</i>	Rousseau	Tamarack				1
Pinaceae		<i>Picea glauca</i>	(Moench) Voss	White spruce				1
Pinaceae		<i>Picea mariana</i>	(Mill.) BSP	Black spruce			1	1
Plantaginaceae		<i>Plantago major</i>	L.	Soldier's plantain				1
Plantaginaceae	†	<i>Plantago maritime</i>	L.	Seashore plantain	1	1		
Poaceae		<i>Agrostis canina</i>	L.	Velvet bent-grass				1
Poaceae		<i>Agrostis gigantea</i>	Roth	Red-top				1
Poaceae		<i>Agrostis hyemalis</i>	(Walter) BSP	Bentgrass				1
Poaceae		<i>Alopecurus geniculatus</i>	L.	Water-foxtail				1
Poaceae		<i>Ammophila breviligulata</i>	Fern.	American beach-grass				1
Poaceae		<i>Anthoxanthum odoratum</i>	L.	Sweet vernal-grass				1

Table 2 Continued

Family	Status	Species Name	Authority	Common Name	STFX	CBUH	NSPM	ACAD
Poaceae	†	<i>Calamagrostis Canadensis</i>	(Michx.) Beauv.	Blue-joint	1		1	
Poaceae		<i>Calamagrostis pickeringii</i>	Gray	Pickering's reedgrass		1		
Poaceae		<i>Danthonia spicata</i>	(L.) Beauv.	Wire-grass				
Poaceae		<i>Deschampsia flexuosa</i>	(L.) Trin.	Wavy hair-grass		1	1	
Poaceae	†	<i>Elymus mollis</i>	Trin.	American dune-grass		1	1	
Poaceae		<i>Elymus repens</i>	Gould	Quack-grass				1
Poaceae		<i>Elymus trachycaulus</i>	(Link) Gould	Slender wheatgrass		1	1	
Poaceae		<i>Festuca rubra</i>	L.	Red fescue				
Poaceae	†	<i>Glyceria Canadensis</i>	(Michx.) Trin.	Rattlesnake grass	1		1	
Poaceae		<i>Hordeum jubatum</i>	L.	Fox-tail barley				
Poaceae		<i>Phleum pretense</i>	L.	Timothy				
Poaceae		<i>Poa annua</i>	L.	Annual bluegrass				
Poaceae		<i>Poa palustris</i>	L.	Meadow-grass				
Poaceae		<i>Poa pratensis</i>	L.	Kentucky bluegrass				
Poaceae		<i>Poa trivialis</i>	L.	Rough-stalked bluegrass			1	1
Poaceae		<i>Puccinellia distans</i>	(Jacq.) Parl.	Weeping alkaligrass			1	
Poaceae		<i>Puccinellia pumila</i>	(Vasey) A.Hitchc.	Dwarf alkaligrass				
Poaceae	†	<i>Spartina pectinata</i>	Link	Freshwater cord grass	1			
Polygonaceae		<i>Polygonum punctatum</i>	Ell.	Water-smartweed				1
Polygonaceae		<i>Polygonum convolvulus</i>	L.	Wild buckwheat				1
Polygonaceae		<i>Polygonum hydropiper</i>	L.	Water-pepper				1
Polygonaceae		<i>Rumex acetosella</i>	L.	Garden-sorrel				1
Polygonaceae		<i>Rumex longifolius</i>	DC.	Doonyard dock				1
Polygonaceae		<i>Rumex pallidus</i>	Bigel.	Seabeach-dock				
Polygonaceae	†	<i>Rumex salicifolius</i>	J.A. Weinm.	Willow dock		1	1	
Potamogetonaceae		<i>Potamogeton confertoides</i>	Reichenb.	Pondweed				
Potamogetonaceae		<i>Potamogeton epiphydrus</i>	Raf.	Ribbonleaf pondweed			1	1

Table 2 Continued

Family	Status	Species Name	Authority	Common Name	STFX	CBUH	NSPM	ACAD
Potamogetonaceae		<i>Potamogeton perfoliatus</i>	L.	Ciaspingleaf pondweed			1	1
Potamogetonaceae		<i>Potamogeton pusillus</i>	L.	Pondweed				1
Primulaceae	†*	<i>Lysimachia terrestris</i>	(L.) BSP	Swamp candle				
Pyrolaceae	†*	<i>Moneses uniflora</i>	(L.) A. Gray	One-flowered shinleaf	1			
Pyrolaceae	†	<i>Pyrola elliptica</i>	Nutt. (Shinleaf)	Round-leaved shinleaf		1		
Ranunculaceae		<i>Pyrola secunda</i>	L.	One-sided wintergreen	1			
Ranunculaceae		<i>Ranunculus acris</i>	L.	Tall buttercup		1		1
Ranunculaceae		<i>Ranunculus cymbalaria</i>	Pursh	Seashore buttercup	1		2	
Ranunculaceae		<i>Ranunculus repens</i>	L.	Creeping buttercup				1
Rosaceae		<i>Amelanchier bartramiana</i>	(Tausch) Roemer	Shadbush				
Rosaceae		<i>Fragaria vesca</i>	L.	Woodland strawberry			1	
Rosaceae		<i>Fragaria virginiana</i>	L.	Strawberry				
Rosaceae		<i>Potentilla anserina</i>	L.	Silverweed		1		
Rosaceae		<i>Potentilla norvegica</i>	L.	Rough cinquefoil				
Rosaceae		<i>Potentilla palustris</i>	(L.) Scop.	Marsh cinquefoil	1			
Rosaceae	†	<i>Potentilla tridentate</i>	Ait.	Three-toothed cinquefoil	1			
Rosaceae		<i>Prunus pensylvanica</i>	L.f.	Pin cherry				
Rosaceae		<i>Rosa Carolina</i>	L.	Wild rose		1		
Rosaceae		<i>Rosa nitida</i>	Willd.	Swamp rose		1		
Rosaceae		<i>Rubus aculuis</i>	Michx.	Northern dwarf-raspberry				
Rosaceae	†	<i>Rubus chamaemorus</i>	L.	Bakeapple	1			
Rosaceae	†	<i>Rubus pubescens</i>	Raf.	Dwarf raspberry		1		
Rosaceae		<i>Sorbus Americana</i>	Marshall	American mountain-ash		1		
Rosaceae		<i>Spiraea alba</i>	Duroi	Meadowsweet				
Rubiaceae		<i>Galium tinctorium</i>	L.	Small bedstraw				
Rubiaceae		<i>Galium trifidum</i>	L.	Bedstraw				
Rubiaceae	†	<i>Galium palustre</i>	L.	Marsh bedstraw		1		

Table 2 Continued

Family	Status	Species Name	Authority	Common Name	STFX	CBUH	NSPM	ACAD
Ruppiceae		<i>Ruppia maritima</i>	L.	Ditch-grass				
Ruppiceae	†	<i>Sanguisorba canadensis</i>	L.	Canada burnet	1	1		
Salicaceae		<i>Populus tremuloides</i>	Michx.	Trembling aspen				
Salicaceae		<i>Salix discolor</i>	Muhl.	Pussy-willow				
Santalaceae		<i>Geocaulon lividum</i>	(Richards.) Fern.	Northern comandra		1	1	1
Sarraceniaceae		<i>Sarracenia purpurea</i>	L.	Pitcher plant		1		
Saxifragaceae		<i>Ribes glandulosum</i>	Grauer	Skunk-currant		1		
Saxifragaceae		<i>Ribes hirtellum</i>	Michx.	Gooseberry		1		
Schizaeaceae		<i>Schizaea pusilla</i>	Pursh	Little curlygrass fern		1		1
Scrophulariaceae	†	<i>Euphrasia officinalis</i>	L.	European eyebright		1		
Scrophulariaceae	†	<i>Euphrasia randii</i>	B.L. Robins.	Small eyebright	1	1		
Scrophulariaceae	†	<i>Melampyrum lineare</i>	Desr.	Cow-wheat		1		
Scrophulariaceae		<i>Rhinanthus crista-galli</i>	L.	Yellow-rattle		1		
Sparganiaceae		<i>Sparganium angustifolium</i> var. <i>multipedunculatum</i>	(Morong) Rydb.	Bur-reed		1	1	1
Sparganiaceae		<i>Sparganium emersum</i>	Rehmann	Bur-reed		1		
Sparganiaceae	†	<i>Sparganium eurycarpum</i>	Engelm	Giant bur-reed	2	1		1
Sparganiaceae		<i>Sparganium hyperboreum</i>	Laestad.	Bur-reed		1		1
Sparganiaceae	†	<i>Sparganium natans</i>	L. L.	Bur-reed		1		1
Taxaceae	†*	<i>Taxus Canadensis</i>	Marshall	Canada yew		1		
Thelypteridaceae		<i>Phegopteris connectilis</i>	(Michx.) Watt.	Long beechfern				1
Thelypteridaceae		<i>Thelypteris palustris</i> var. <i>pubescens</i>	(Lawson) Fern.	Eastern marsh fern				1
Typhaceae	~	<i>Typha latifolia</i>	L.	Broad-leaved cat-tail				
Violaceae		<i>Viola adunca</i>	J.E. Smith	Violet				
Violaceae		<i>Viola macloskeyi</i>	F. Lloyd	Small white violet		1		
Viscaceae		<i>Arceuthobium pusillum</i>	Peck.	Dwarf mistletoe				1
Xyridaceae	†	<i>Xyris Montana</i>	Ries.	Yellow-eyed grass	1			

**Table 3** Rare plants from Scatarie Island. The general location of the collection is given along with GPS co-ordinates and conservation status as given by Nova Scotia Department of Natural Resources (DNR) and the Atlantic Canada Conservation Data Centre (ACCDC). DNR ranks species as red (threatened) yellow (vulnerable) or green (secure). ACCDC ranks species as S1 (extremely rare), S2 (rare), S3 (uncommon), S4 (common) or S5 (abundant).

Species name	Common name	Where found	Collector/ Observer	Date	Herbarium	Latitude	Longitude	DNR Status	ACCDCs Status
<i>Carex rariflora</i> (Wahlenb.) Sm.	Looseflower Alpine Sedge	Howe Point	Williams, M; Currie, N.	10-Aug-95	ACAD	45.993410	59.698470	Red	S1
<i>Cornus</i> <i>suecica</i> L.	Lapland Cornel	Northwest Cove	Ferrier and MacDonald	27-Jun-05	ACAD/CBUH	46.01700500	59.74109700	Yellow	S1S2
		NE of Northwest Cove	Smith, EC; Schofield, WB; Sampson, DR; Bent, FC	17-Aug-51	ACAD	46.022238	59.726528		
		3 km N of Northwest Cove	Smith, EC; Schofield, WB; Sampson, DR; Bent, FC	17-Aug-51	ACAD	46.031716	59.713684		
		Not Available	Erskine, JS	17-Aug-51	NSPM	46.009932	59.736024		
		Tin Cove	Williams, M	27-Jul-84	NSPM	46.002537	59.732508		
		South of Northeast Harbour	Smith, EC; Schofield, WB; Taylor, JC; Webster, DH; Stipp, LB	22-Jul-53	ACAD	46.015098	59.731938		



Table 3 Continued

Species name	Common name	Where found	Collector/ Observer	Date	Herbarium	Latitude	Longitude	DNR Status	ACDCS Status
<i>Crassula aquatica</i> (L.) Schoenl.	Water Pygmyweed	Northwest Cove	Erskine, JS	17-Aug-51	NSPM	46.018761	59.731912	Yellow	S2
		Northwest Cove	Smith, EC; Schofield, WB; Sampson, DR; Bent, FC	17-Aug-51	ACAD	46.018761	59.731912		
<i>Eleocharis nitida</i> Fernald	Quill Spikerush	S coast	Smith, EC; Schofield, WB; Taylor, JC; Webster, DH; Slipp, LB	22-Jul-53	ACAD	45.999751	59.743593	Green	S3
		S coast	Smith, EC; Schofield, WB; Taylor, JC; Webster, DH; Slipp, LB	22-Jul-53	NSPM	45.999751	59.743593		
<i>Geocaldon lividum</i> (Richardson) Fernald	False Toadflax	Centre of island	Smith, EC; Schofield, WB; Taylor, JC; Webster, DH; Slipp, LB	21-Jul-53	ACAD	46.009932	59.736024	Yellow	S2S3

Table 3 Continued

Species name	Common name	Where found	Collector/Observer	Date	Herbarium	Latitude	Longitude	DNR Status	ACDCs Status
<i>Halenia deflexa</i> (Sm.) Griseb.	American Spurred Gentian	Not available	Smith, EC; Schofield, WB; Sampson, DR; Bent, FC	17-Aug-51	ACAD	46.009932	59.736024	Yellow	S2S3
<i>Schizaea pusilla</i> Pursh	Little Curlygrass Fern		Smith, EC; Schofield, WB; Taylor, JC; Webster, DH; Slipp, LB	21-Jul-53	ACAD	46.009932	59.736024	Green	S3
<i>Sparganium hyperboreum</i> Beurling ex Least.	Northern Bur-reed	Northwest Cove	Smith, EC; Schofield, WB; Sampson, DR; Bent, FC	17-Aug-51	ACAD	46.018761	59.731912	Yellow	S1S2
<i>Spiranthes romanzoffiana</i> Cham.	Hooded Lady's Tresses	Eastern Harbour	Erskine, JS Smith, EC; Schofield, WB; Sampson, DR; Bent, FC	17-Aug-51	NSPM ACAD	46.018761 46.033373	59.731912 59.687777	Green	S3S4

Table 3 Continued

Species name	Common name	Where found	Collector/Observer	Date	Herbarium	Latitude	Longitude	DNR Status	ACDCS Status
<i>Stellaria humifusa</i> Rottb.	Saltmarsh Starwort	Northeast Harbour	Smith, EC; Schofield, WB; Sampson, DR; Bent, FC	17-Aug-51	ACAD	46.018761	59.731912	Yellow	S2
		Northeast Cove	Erskine, JS	17-Aug-51	NSPM	46.018761	59.731912		
			Williams, M.	27-Jul-84	NSPM		Not Available		
<i>Vaccinium boreale</i> I.V. Hall & Aalders	Northern Blueberry	Near Eastern Harbour	Smith, EC; Schofield, WB; Taylor, JC; Webster, DH; Slipp, LB	21-Jul-53	ACAD	46.033921	59.688941	Red	S2
			Ferrier and MacDonald	27-Jun-05	ACAD/CBUH	Not Available	Not Available		

Table 3 Continued

Species name	Common name	Where found	Collector/Observer	Date	Herbarium	Latitude	Longitude	DNR Status	ACDCs Status
<i>Vaccinium uliginosum</i> L.	Bog Blueberry	Northwest Cove	Erskine, JS	17-Aug-51	NSPM	46.018761	59.731912	Yellow	S2
		Centre of island	Smith, EC; Schofield, WB; Taylor, JC; Webster, DH; Slipp, LB	21-Jul-53	NSPM	46.009932	59.736024		
		Northwest Cove	Smith, EC; Schofield, WB; Sampson, DR; Bent, FC	17-Aug-51	ACAD	46.018761	59.731912		
		Northeast Harbour	Smith, EC; Schofield, WB; Taylor, JC; Webster, DH; Slipp, LB	22-Jul-53	ACAD	46.018761	59.731912		
			Ferrier and MacDonald	27-Jun-05	ACAD/CBUH	46.01446568	59.75236424		
			Ferrier and MacDonald	27-Jun-05	ACAD/CBUH	46.01636292	59.74445994		
			Ferrier and MacDonald	27-Jun-05	ACAD/CBUH	46.01670817	59.74342804		

## DISCUSSION

### Boreal Forest Trees

Much of Scatarie Island is covered by the typical boreal forest found on the Atlantic coast of Nova Scotia (Loucks 1961, Davis & Browne 1998). Coniferous species *Abies balsamea* (Balsam Fir), *Picea glauca* (White Spruce) and *Picea mariana* (Black Spruce) dominate the forests. Deciduous hardwoods are less common; of these, *Betula papyrifera* (Paper Birch) and *Betula cordifolia* (Heart-leaved Birch) are frequent, *Sorbus americana* (American Mountain-Ash), *Populus tremuloides* (Trembling Aspen), and *Betula alleghaniensis* (Yellow Birch) are rare. The ground cover is commonly the Schreber's Moss association typical of this forest type (Davis & Browne 1998, Cameron 2004).

### Arctic and Alpine Plant Species

Northern plants such as *Cornus suecica* and *Vaccinium uliginosum* are found on Scatarie Island; some colonies are near the extreme southern reaches of the species' range (Roland & Smith 1969, Davis & Brown 1998). These plants are often of interest because they are rare in Nova Scotia and are called the "arctic-alpine flora" (Hounsell & Smith 1966, 1968, Roland & Smith 1969, Pronych & Wilson 1993). The surrounding Atlantic Ocean causes the wind, fog and cool temperatures of Scatarie Island and allows these plants to persist south of their typical range. Scatarie Island has cooler summers and warmer winters relative to the rest of Nova Scotia (Cameron 2004). Many of Nova Scotia's rare plants are geographically disjunct populations, perhaps "stranded" here during periods of climate change (Bridgland 1989).

One stand of *C. suecica* was found during our expedition to Scatarie Island. The plants were growing densely with *Juniperus communis* on a cliff headland at Northwest Cove (Table 3). *C. suecica* is an alpine plant and typically occurs in the far north, including Greenland and parts of Eurasia (Roland & Smith 1969, Roland 1998). This plant is known in Nova Scotia only from collections around the Gulf of St. Lawrence, Scatarie Island, and a single record from Queen's County (Roland 1998).

We were able to locate several colonies of Alpine Whortleberry, *Vaccinium uliginosum* (Table 3). *V. uliginosum* is most common in the north between the 60<sup>th</sup> and 70<sup>th</sup> parallels, but extends as far south as New Hampshire (Roland 1998). In Nova Scotia this plant persists only where severe wind and exposed mountaintops hinder the growth of other plants (Davis & Browne 1998).

Our expedition found a single specimen of *Prenanthes nana* on a rock outcrop facing a windswept barren. *Prenanthes nana* is found

on the cool coastlines of Newfoundland and Labrador and Nova Scotia, and in the mountains of New England and northern New York; elsewhere it is rare (Roland & Smith 1969). It was collected previously by P. Williams (Table 2).

We did not find *Sparganium hyperboreum*, considered rare in Cape Breton (Roland & Smith 1966) and listed as a “yellow” (threatened) species by DNR (2009). *Sparganium hyperboreum* has been previously found growing abundantly in a bog pool at Northwest Cove (Roland & Smith 1966). This plant has a northern distribution, extending from Greenland to Eurasia and the Northwest Territories south to northern Nova Scotia, northern Quebec, Manitoba, and Alberta (Maher et al. 1978, Roland & Smith 1966).

Although *Rubus acaulis* (Arctic Raspberry, Northern Dwarf Raspberry) was not found during our expedition, it was listed previously for Scatarie Island (Godfrey 1971). The species is synonymous with *Rubus arcticus* ssp. *acaulis* (Michx.) Focke; however, neither species is listed as occurring anywhere in Nova Scotia (Roland 1998, ACCDC 2009). There is no herbarium voucher and therefore this description cannot be verified; future expeditions to Scatarie Island should consider the possibility of its presence.

Two additional plants from Scatarie Island, *Eleocharis nitida* and *Sparganium multipedunculatum*, were listed as rare by Pronych and Wilson (1993). However, both are now listed as secure in the DNR ranking (DNR 2009). *Sparganium multipedunculatum* has been declared synonymous with the more common species *S. angustifolium* (Roland 1998). The Scatarie Island population of *E. nitida* remains a disjunct location from the more abundant populations around the Bay of Fundy (Roland 1998).

Recent archaeological surveys suggest Scatarie Island was settled by Europeans as early as 1715. A 1716 census shows 405 people lived on the island (Chrestien 2001). Occupation of the island continued into the 20<sup>th</sup> century. There are a few, small, private land holdings on the island where cottages and camps may be found. As a result of this land use history, a number of plant species have been introduced to the island including the Old World species *Radiola linoides*, which in North America is known only from Nova Scotia (Roland 1998). This tiny (3 cm) plant grows near the coast in ditches, roadsides or waste ground. On Scatarie Island, we found this plant growing near *Cornus suecica*, high on a beach at Northwest Cove (Table 3).

## CONCLUSION

This checklist is the most comprehensive list available of the vascular plants of Scatarie Island, now including 309 plant species. Our herbarium vouchers expand previous checklists and confirm the observations of previous surveyors (Table 1). Knowledge of the GPS coordinates of rare plants (Table 3) will facilitate further survey efforts necessary for an estimate of the abundance and viability of these populations. More species potentially could be added as well; our expedition added 15 previously unreported species to the island checklist in only four days and therefore the presence of more species is likely. In addition, many of the plant species records are not supported by voucher material (Table 2) and future collecting trips can confirm these records.

Scatarie Island comprises many habitats: exposed barrens, damp bogs, coniferous woods and abandoned homesteads. Its diversity of habitat, isolation from the mainland, and current status as a provincial Wilderness Area make it a compelling location for exploration. This checklist should facilitate future plant surveys attempting to find still more species, augment herbaria collections, track colonies of rare plants or develop a more quantitative description of the vegetation. We hope that this list will encourage further investigation into the ecology of plant populations and communities on Scatarie Island.

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