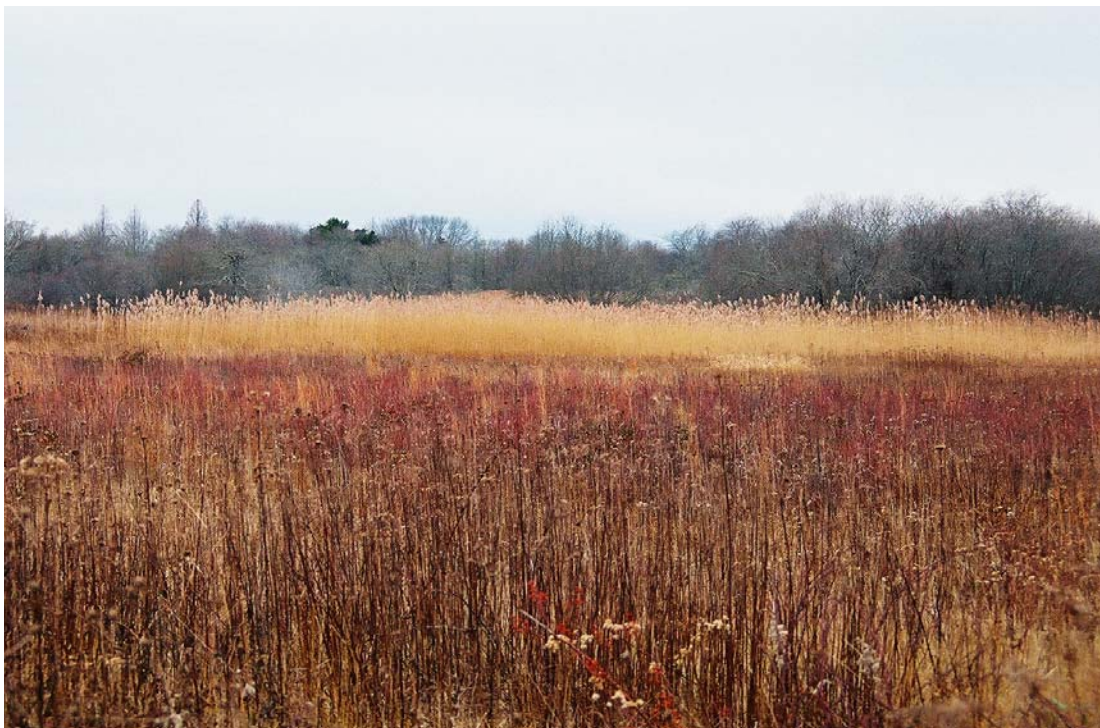


**BASELINE DOCUMENTATION REPORT**  
**█ Property**  
**Little Compton, Rhode Island**



**Prepared December 2007**  
**by Carol Lynn Trocki**  
**for the Sakonnet Preservation Association**

**Author's Signature:**

---

**Date:** \_\_\_\_\_

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**█ Property**  
**Little Compton, Rhode Island**

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**Acknowledgement of Condition Statement**  
**Baseline Documentation Report**  
**██████ Property**  
**Little Compton, Rhode Island**

The Grantor and the Grantee hereby certify that this Baseline Documentation Report is an accurate representation of the property, described in Exhibit "A" of the Conservation Easement (hereinafter referred to as the "Premises"), at the time of the conveyance of the Conservation Easement. This Baseline Documentation Report contains the following: Cover Page; Table of Contents; Acknowledgement of Condition Statement; Background Information; Little Compton Tax Assessor's Plat 5; Class Two Survey Plan; Location Map; Aerial Photo / Property Map; Landscape Context Map; USGS Topo Map; Soil Survey Map; Photo Point Map; Photo Point Description Sheet; and Photographs.

The Grantor further certifies that to the best of the Grantor's knowledge, there are no structures or improvements on the Premises other than as described in this Baseline Documentation Report, and no activities are conducted on the Premises which are inconsistent with the terms contained in the Conservation Easement.

IN WITNESS WHEREOF, the parties have executed this Baseline Documentation Report this \_\_\_\_\_ day of \_\_\_\_\_ 2007.

WITNESS:

\_\_\_\_\_

WITNESS:

\_\_\_\_\_

GRANTORS:

████████████████████

\_\_\_\_\_

████████████████████

\_\_\_\_\_

GRANTEE:  
SAKONNET PRESERVATION  
ASSOCIATION

By: \_\_\_\_\_

Its: \_\_\_\_\_

Address: P.O. Box 945  
Little Compton, RI 02837-0945

STATE OF RHODE ISLAND  
COUNTY OF NEWPORT

In \_\_\_\_\_, on this \_\_\_\_\_ day of \_\_\_\_\_, A.D. 2007,  
then personally appeared \_\_\_\_\_, to me known and known by me to  
be the party executing the foregoing instrument, and he acknowledged said instrument,  
by him so executed, to be his free act and deed, before me,

\_\_\_\_\_  
Notary Public  
Printed Name: \_\_\_\_\_  
My Commission Expires: \_\_\_\_\_

STATE OF RHODE ISLAND  
COUNTY OF NEWPORT

In \_\_\_\_\_, on this \_\_\_\_\_ day of \_\_\_\_\_, A.D. 2007,  
then personally appeared \_\_\_\_\_, to me known and known by me to be the  
party executing the foregoing instrument, and she acknowledged said instrument, by her  
so executed, to be her free act and deed, before me,

\_\_\_\_\_  
Notary Public  
Printed Name: \_\_\_\_\_  
My Commission Expires: \_\_\_\_\_

STATE OF RHODE ISLAND  
COUNTY OF NEWPORT

In \_\_\_\_\_, on this \_\_\_\_\_ day of \_\_\_\_\_, A.D. 2007,  
then personally appeared \_\_\_\_\_, \_\_\_\_\_ of the  
SAKONNET PRESERVATION ASSOCIATION, to me known and known by me to be  
the party executing the foregoing instrument, and s/he acknowledged said instrument, by  
him/her so executed, to be his/her free act and deed in his/her said capacity and the free  
act and deed of said SAKONNET PRESERVATION ASSOCIATION, before me,

\_\_\_\_\_  
Notary Public  
Printed Name: \_\_\_\_\_  
My Commission Expires: \_\_\_\_\_

**BASELINE DOCUMENTATION REPORT**  
**Background Information**  
**█ Property**  
**Little Compton, Rhode Island**

**CURRENT LANDOWNER:** █

**LOCATION OF PROPERTY:**

**Street Addresses:** █

**Municipality:** Little Compton

**County:** Newport

**State:** Rhode Island

**Plat/Lot Information:** Lots 41, 27, and a portion of Lot 21 of Little Compton Tax Assessor's Plat 5 (Figure 1)

**PROPERTY DESCRIPTION:**

**Acreage:** 24.80 acres ± (Figure 2)

**Prior Land Uses:** Based on the examination of historic aerial photography, it appears that the majority of the Premises were used for agricultural purposes until sometime after 1939. In 1939 aerial photos, the earliest for the State, most of the Premises are cleared for agriculture with only the westernmost portion in shrub habitat. Aerial photographs from 1962 show almost the entire Premises to be vegetated. The Premises appear to have been maintained in a condition similar to today since the 1970s.

**Current Land Uses:** Currently, the Premises are owned by Christopher T. and Wendy S. Born and exist in an undeveloped state. The Premises contain mainly deciduous scrub-shrub swamp and wet meadow habitat, with some forested, marsh, and open water areas and several small upland patches.

**Proposed Future Uses:** It is the purpose of the Conservation Easement to assure that the Premises will be retained forever in its open, natural, scenic, agricultural and undeveloped condition and to prevent any use of the Premises that will significantly impair or interfere with the conservation values of the Premises.

**Conservation Values:**

The Premises are located in Little Compton, Rhode Island on West Main Road between Church's Lane and Taylor's Lane (Figures 3, Figure 4). The Premises contain mainly deciduous scrub-shrub swamp and wet meadow habitat, with some forested, marsh, and

open water areas and several small upland patches. The Premises are surrounded by wetland to the north and west. To the southwest are wetland, pastureland, and medium-density residential housing. To the south, east, and northeast are additional medium-density residential housing and agricultural land.

Approximately 412 acres of conservation land exist within one mile of this property, including: 165 acres protected by the Little Compton Agricultural Conservancy Trust (LCACT), 139 acres protected by The Nature Conservancy, 47 acres protected by LCACT and the Rhode Island Department of Environmental Management, 48 acres protected by the Sakonnet Preservation Association (SPA), and 13 acres protected by the Town of Little Compton (Figure 5).<sup>3</sup>

### ***Topography***

Elevations range from just over 15 meters to just over 21 meters above sea level, with the lowest elevations in the central, wettest portions of the Premises. The total elevational change is approximately 20 feet over 1500 feet of ground (Figure 6).

### ***Soils***

According to the Rhode Island Soil Survey, the Premises contain two different soil types: Stissing silt loam (Se, 11.3 acres), and Mansfield mucky silt loam (Ma, 13.5 acres)(Figure 7).<sup>4</sup>

Stissing soils are nearly level, poorly drained hydric soils with medium through extreme acidity, moderate to slow permeability, and a seasonal high water table at or near the surface. These soils are poorly suited to community development without extensive filling, but can be suitable for agricultural uses, although drainage is often required. These soils can also provide valuable wetland wildlife habitat. Stissing soils are recognized as Soils of Statewide Importance for Agriculture in Rhode Island.<sup>5</sup>

Mansfield soils are also nearly level and very poorly drained hydric soils, with medium through extreme acidity, moderate to slow permeability, and a seasonal high water table at or near the surface. These soils are poorly suited to community development, or agricultural uses, but can provide valuable wetland wildlife habitat.

### ***Agricultural Resources***

Although much of the Premises are currently vegetated and extremely wet, approximately 46% are classified as having Soils of Statewide Importance for Agriculture. Historically, the majority of the Premises were used for agricultural purposes. Currently, approximately 4 acres of the Premises are maintained as field habitat. Agricultural lands lie adjacent to the Premises to the southeast and are an important component of the surrounding landscape.

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<sup>3</sup> Rhode Island Geographic Information Systems, RIDEM Conservation Lands Datalayer, 4/2007.

<sup>4</sup> Rhode Island Soil Survey, United States Department of Agriculture in cooperation with the Rhode Island Agricultural Experiment Station, 1981.

<sup>5</sup> Rhode Island Soil Survey, United States Department of Agriculture in cooperation with the Rhode Island Agricultural Experiment Station, 1981.

### **Water Resources**

The entire Premises are located within the Sakonnet River sub basin of the Narragansett Bay drainage basin, and drain to the Sakonnet River at Church Cove, approximately 0.75 miles southwest. The Premises are mapped to contain approximately 17.3 acres of wetlands, but field observations indicate that this may be an underestimate.<sup>6</sup> The Premises contain deciduous forested wetland, scrub-shrub swamp, and emergent wet meadow. Several perennial streams run through the Premises, some of which have been relocated historically, presumably during drainage efforts to promote agriculture.

### **Wildlife Habitat/Conservation Resources**

The Premises contain several natural community types, including most prominently, Red Maple Swamp, Deciduous Shrub Swamp, Wet Meadow, Phragmites / Cattail Marsh and a small patch of Oak-Holly Forest.<sup>7</sup> Invasive shrub habitat prevails over much of Lot 41 and 27, wherever drier conditions exist. Wetland areas display characteristic mound and pool microtopography.

A single visit to the Premises was conducted on December 13, 2007. During this site visit the following species were observed:

### **FAUNA**

#### **Birds**

Blue Jay (*Cyanocitta cristata*)

Black-capped Chickadee (*Poecile atricapilla*)

Song Sparrow (*Melospiza melodia*)

White-throated Sparrow (*Zenotrichia albicollis*)

Northern Cardinal (*Cardinalis cardinalis*) – nest observed

White-tailed Deer (*Odocoileus virginianus*) – by track

Coyote (*Canis latrans*) – by track

**FLORA** (Species recognized by the Rhode Island Invasive Species Council are shown in bold.)

<b>Common Name</b>	<b>Latin Name</b>
American Holly	<i>Ilex opaca</i>
<b>Asian Bittersweet</b>	<b><i>Celastrus orbiculatus</i></b>
Aster	<i>Aster</i> spp.
<b>Autumn Olive</b>	<b><i>Elaeagnus umbellata</i></b>
Bluejoint Grass	<i>Calamagrostis canadensis</i>
Buttonbush	<i>Cephalanthus occidentalis</i>
Cat-tail	<i>Typha latifolia</i>
<b>Common Privet</b>	<b><i>Ligustrum vulgare</i></b>

<sup>6</sup> Rhode Island Geographic Information Systems, Wetlands Datalayer, RIDEM, 1989.

<sup>7</sup> Enser, R. W. and J. A. Lundgren. 2006. Natural Communities of Rhode Island. A joint project of the Rhode Island Dept. of Environmental Management Natural Heritage Program and The Nature Conservancy of Rhode Island. Web published by R.I. Natural History Survey, Kingston, RI. www.rinhs.org.

Common Reed	<i>Phragmites australis</i>
Dock	<i>Rumex spp.</i>
Fox-Grape	<i>Vitis labrusca</i>
Goldenrod	<i>Solidago spp.</i>
Greenbrier	<i>Smilax rotundifolia.</i>
Highbush Blueberry	<i>Vaccinium corymboum</i>
Ironwood	<i>Capinus caroliniana</i>
<b>Japanese Honeysuckle</b>	<b><i>Lonicera japonica</i></b>
Joe-Pye Weed	<i>Eupatorium dubium</i>
Knapweed	<i>Centaurea spp.</i>
Marsh Fern	<i>Thelypteris palustris</i>
Meadowsweet	<i>Spiraea alba</i>
Mixed pasture grasses	Family <i>Graminae</i>
<b>Multiflora Rose</b>	<b><i>Rosa multiflora</i></b>
Pin Oak	<i>Quercus palustris</i>
Poison Ivy	<i>Toxicodendron radicans</i>
<b>Purple Loosestrife</b>	<b><i>Lythrum salicaria.</i></b>
Pussy Willow	<i>Salix discolor</i>
Red Cedar	<i>Juniperus virginiana</i>
Red Maple	<i>Acer rubrum</i>
Sedge	<i>Carex lurida</i>
Sensitive Fern	<i>Onoclea sensibilis</i>
Silky Dogwood	<i>Cornus amomum</i>
Soft rush	<i>Juncus effuses</i>
Sphagnum Moss	<i>Sphagnum spp.</i>
Swamp Rose	<i>Rosa palustris</i>
Sweet Gale	<i>Myrica gale</i>
Twig-rush	<i>Cladium mariscoides</i>
Wild Black Cherry	<i>Prunus serotina</i>
Winterberry	<i>Ilex verticillata</i>
Woolgrass	<i>Scirpus cyperinus</i>

Only a single site visit was conducted on the Premises on a winter morning, therefore there is a limited likelihood that uncommon species or species present or visible during other portions of the year could be detected. The species list above represents those species detected during this visit, but should not be viewed as a complete inventory for the property.

No threatened or endangered species were detected on the Premises; however, several of the plant species observed (American holly and winterberry) are protected by the State's 'Christmas Greens Law' which prohibits removal without written permission from a landowner.<sup>8</sup> Coastal Oak-Holly forest, of which there is a small patch on Lot 21, is now considered rare to uncommon in the northeast, and is therefore a priority for

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<sup>8</sup> Section 2-15-12 of the General Laws in Chapter 2-15, Rhode Island General Assembly, 1989.



conservation.<sup>9</sup> All fauna detected were common species characteristic of field and deciduous shrub and forested swamp habitats.<sup>10</sup>

The majority of the plants listed are also common and representative of the community types found on the Premises.<sup>11</sup> Wet meadow habitat on Lot 21 was particularly diverse, with a wide representation of native wetland flora. Much of the upland shrub habitat on Lots 41 and portions of Lot 27 was overgrown with invasive species, particularly multiflora rose and common privet. Species recognized as invasive by the Rhode Island Invasive Species Council are shown in bold in the list above.<sup>12</sup>

Although relatively few species were detected during the site visit, the natural communities present on the Premises and its position on the landscape, contiguous with large tracts of both wetland and agricultural habitat, make it very likely that the Premises are used by a wider variety of wildlife than listed here. Some of the other species that likely use the property given the available habitat include pond-breeding amphibians, a variety of medium and small mammals, bats and migratory songbirds.

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<sup>9</sup> Jackson, Jane. 2001. A Conservation Plan for Wetlands and Associated Natural Resource Areas in Little Compton and Tiverton, Rhode Island. The Nature Conservancy, Rhode Island Field Office, Providence, RI.

<sup>10</sup> August, P. V., R. W. Enser, L. L. Gould. 2001. Vertebrates of Rhode Island: Volume 2 of The Biota of Rhode Island. Rhode Island Natural History Survey, Kingston, RI, USA.

<sup>11</sup> Gould, L.L., R. W. Enser, R. E. Champlin, I H. Stuckey. 1998. Vascular Flora of Rhode Island: Volume 1 of The Biota of Rhode Island. Rhode Island Natural History Survey, Kingston, RI, USA.

<sup>12</sup> Rhode Island Invasive Species Council, List of Invasive Plants, 2005.

***Scenic, Historic, Educational, and Recreational Resources***

The Premises are scenic in nature and contain approximately 145 feet of frontage on West Main Road, a widely used public roadway. In addition, the Premises lie within the Tiverton Main Road Scenic Area, as designated by the State of Rhode Island.<sup>13,14</sup>

Historic stonewalls, which are considered a valuable cultural resource in the region, are found throughout the property.

**Human Made Features:**

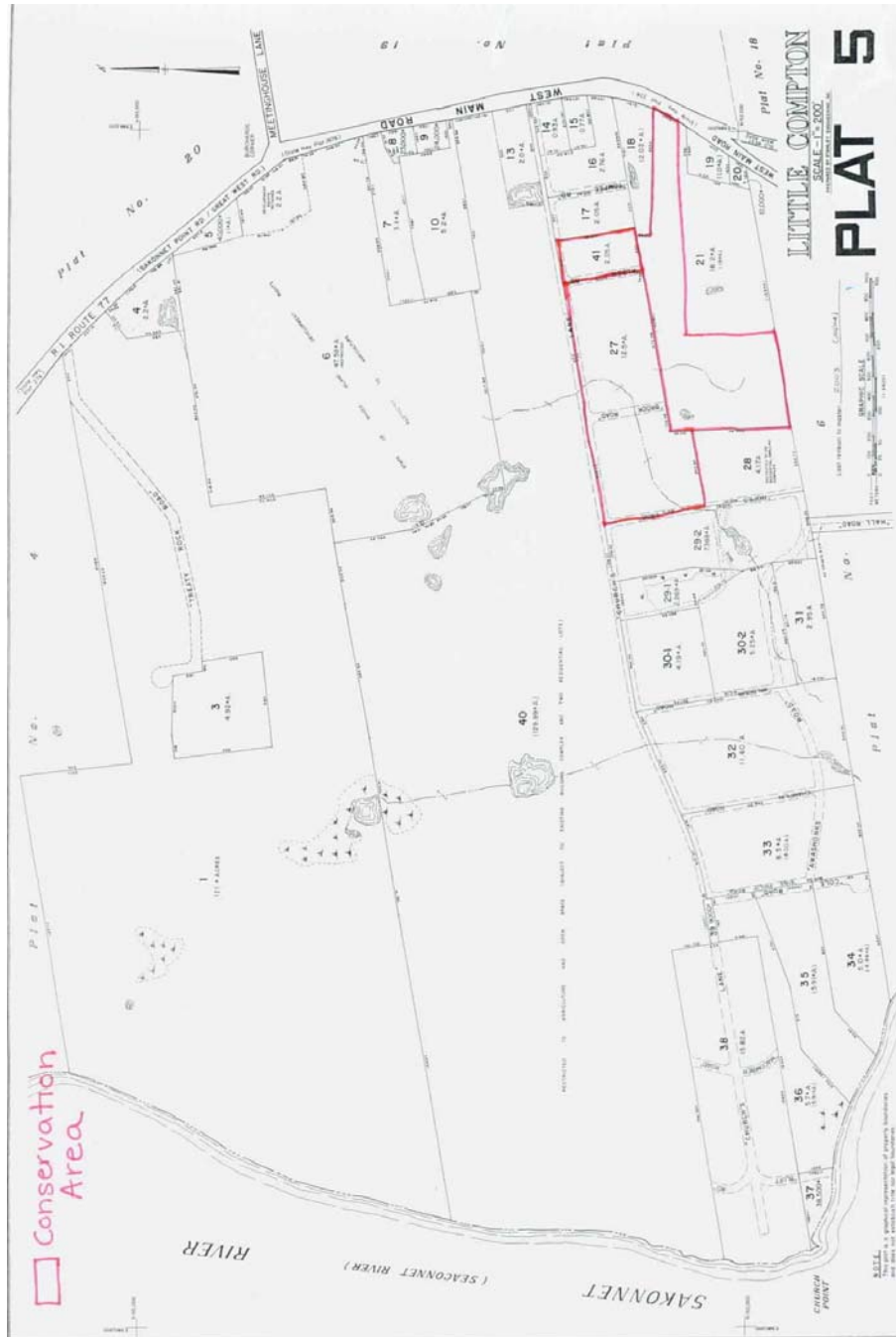
Human-made features on the property include the aforementioned stonewalls.

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<sup>13</sup> Rhode Island Geographic Information Systems, Scenic Area Datalayer, RIDEM, 1989.

<sup>14</sup> Rhode Island Geographic Information Systems, Greenways Datalayer, RIDEM, 1989.

Figure 1.  
Little Compton Tax Assessor's Plat 5  
Property  
Little Compton, Rhode Island

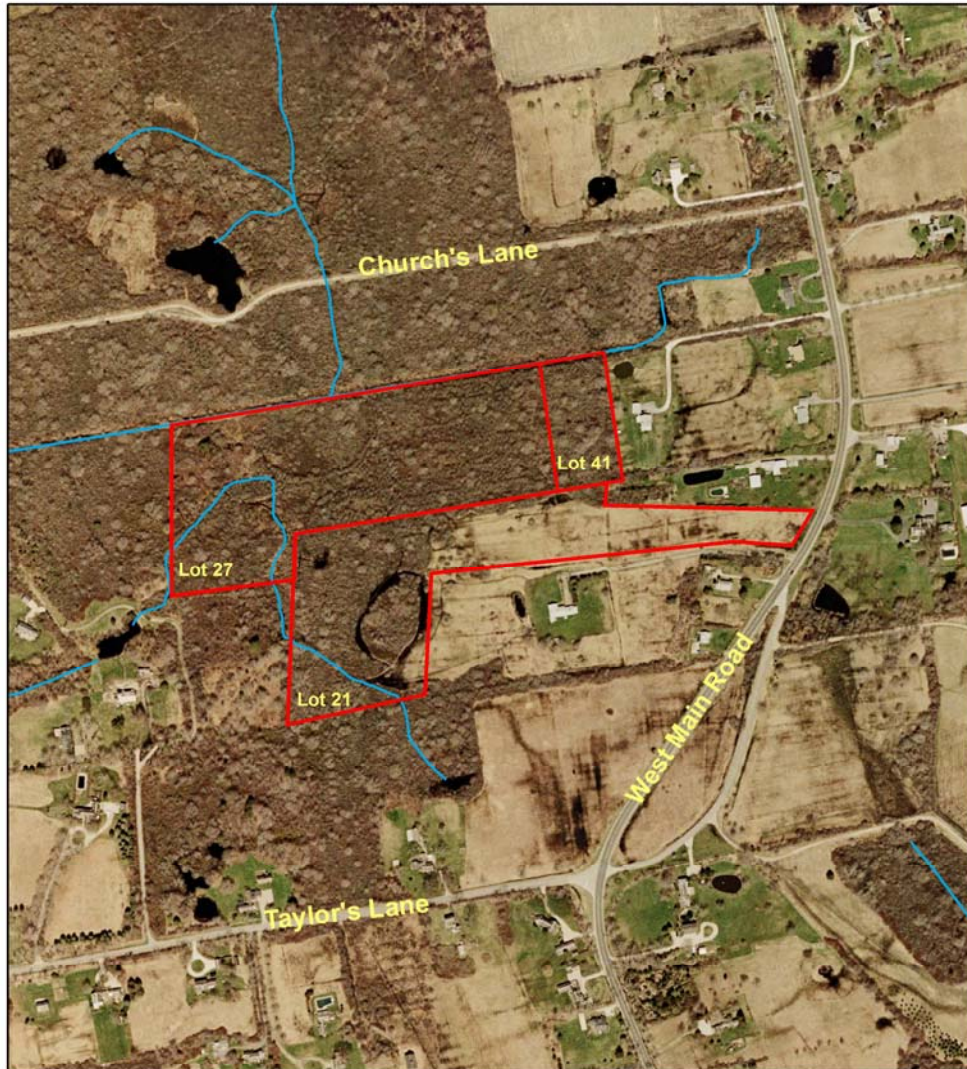




**Figure 3.**  
**Location Map**  
**Property**  
**Little Compton, Rhode Island**



**Figure 4.**  
**Aerial Photo / Property Map**  
**Property**  
**Little Compton, Rhode Island**



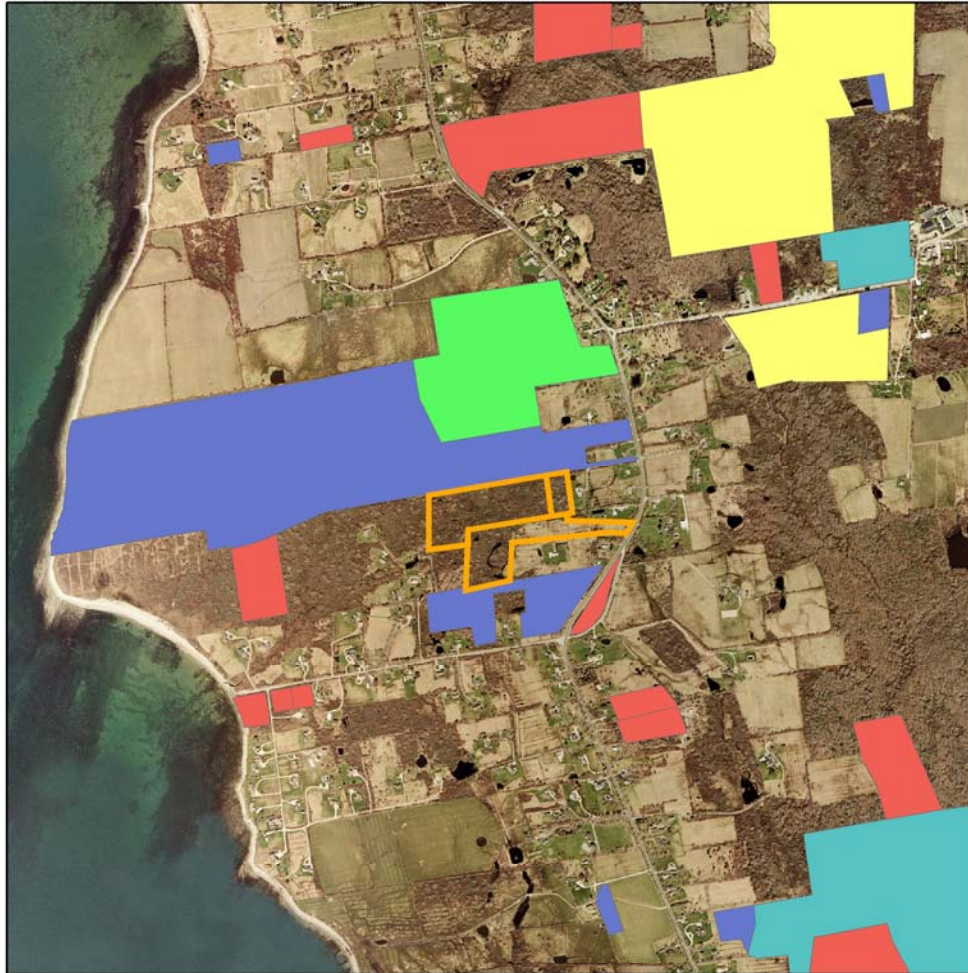
**Property**  
Conservation Area  
Perennial Streams



0 135 270 540 810 1,080  
Feet

Created by:  
Carol Lynn Trocki, 12/2007  
For the Sakonnet Preservation Association  
Datalayers: 2003-2004 RIDOT 1:5,000  
scale digital true color orthophotographs,  
stream datalayer (from RIGIS).

**Figure 5.**  
**Landscape Context Map**  
**Property**  
**Little Compton, Rhode Island**



**Property**

Conservation Area

**Conserved Lands within 1 Mile**

LCACT

LCACT / RIDEM

SPA

TNC

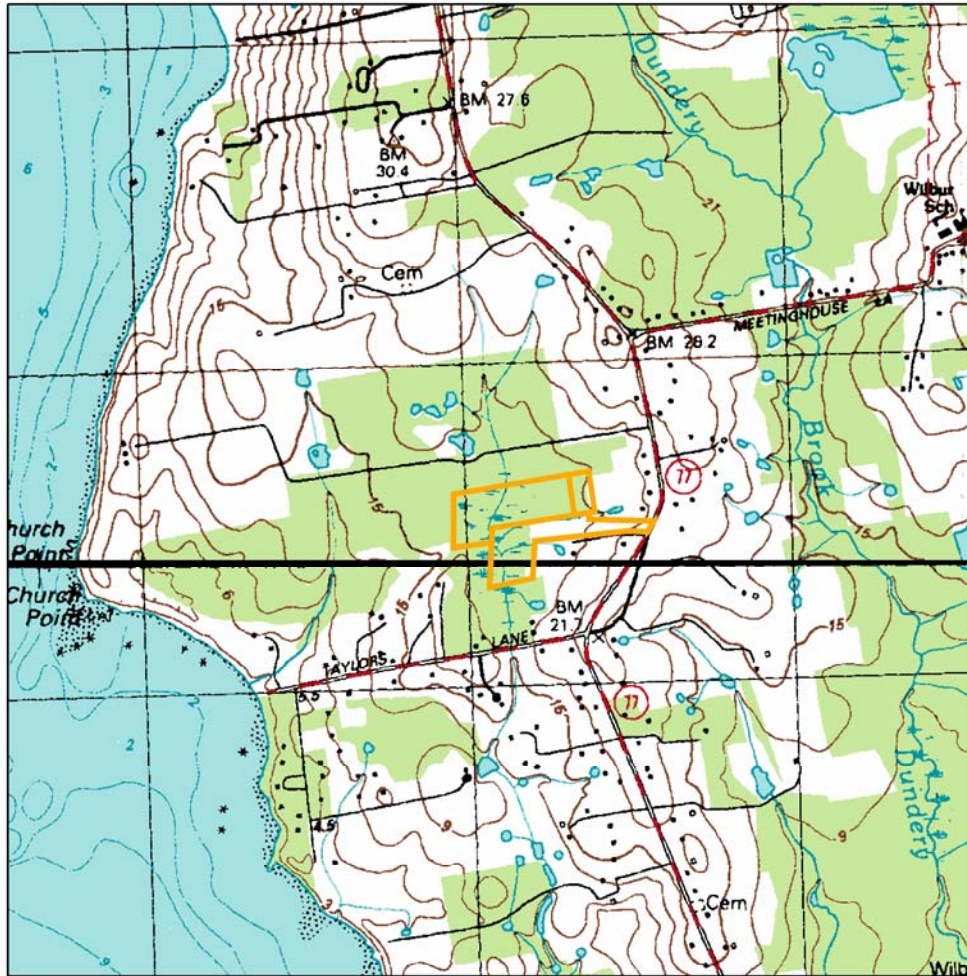
Town of Little Compton



0 0.1 0.2 0.4 0.6 0.8 Miles

Created by:  
 Carol Lynn Trocki, 12/2007  
 For the Sakonnet Preservation Association  
 Datalayers: 2003-2004 RIDOT 1:5,000  
 scale digital true color orthophotograph;  
 Conserved Lands Datalayer, RIDEM, 4/2007  
 (from RIGIS).

**Figure 6.**  
**USGS Topo Map**  
**Property**  
**Little Compton, Rhode Island**



 **Property**  
 Conservation Area

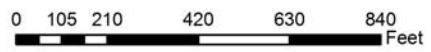
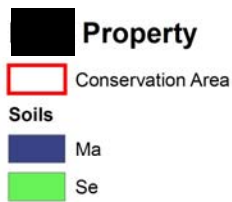
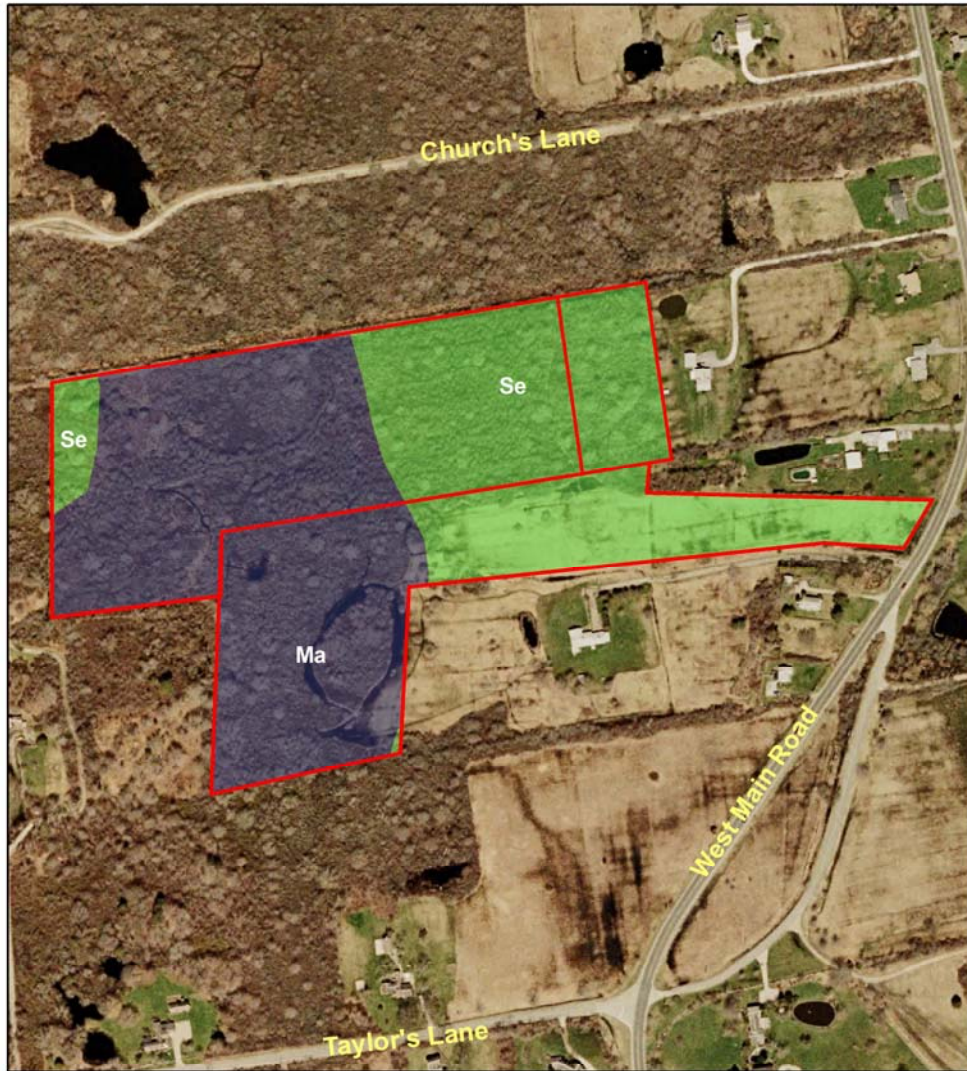


0 0.1 0.2 0.4 0.6 0.8 Miles

Created by:  
 Carol Lynn Trocki, 12/2007  
 For the Sakonnet Preservation Association  
 Datalayers: USGS 7.5 Minute Topological  
 Quadrangle, Tiverton and Sakonnet Point  
 Quads (from RIGIS).

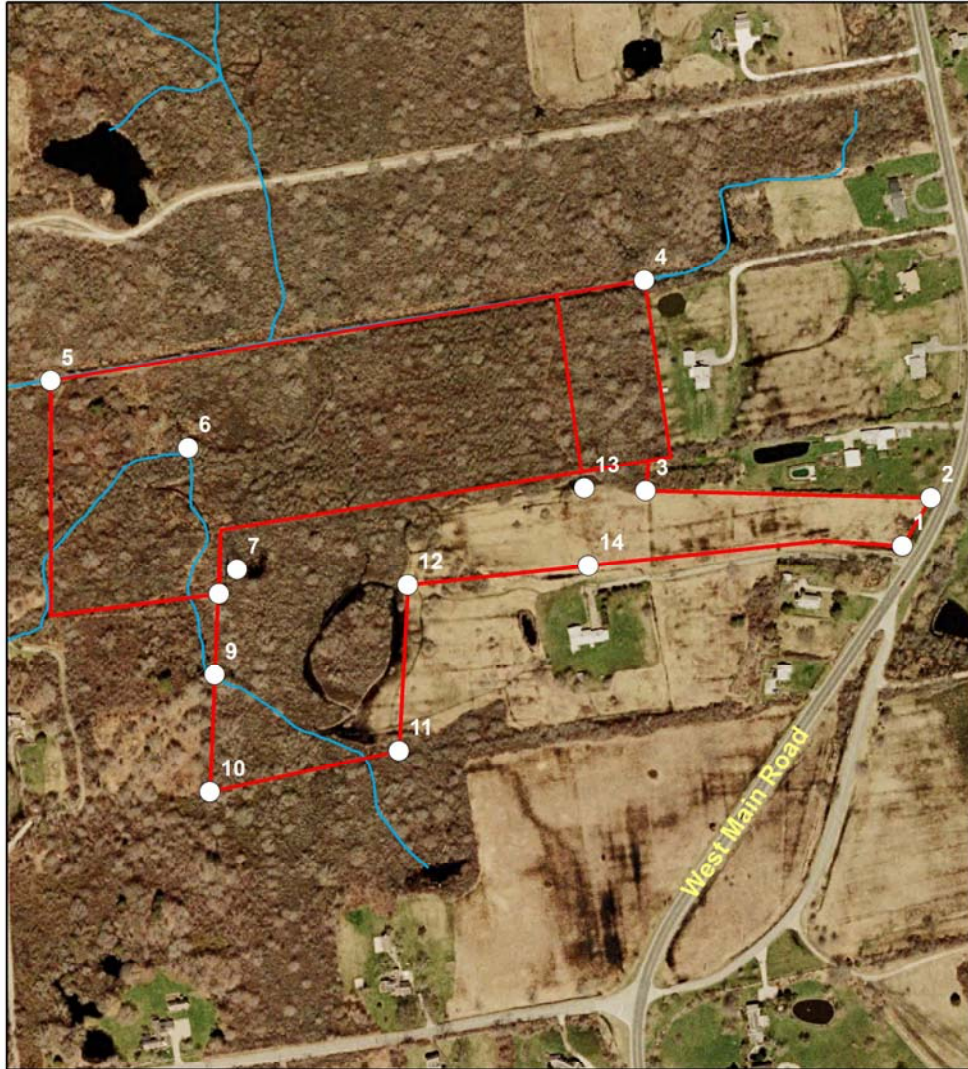


**Figure 7.**  
**Soil Survey Map**  
**Property**  
**Little Compton, Rhode Island**

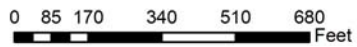


Created by:  
 Carol Lynn Trocki, 12/2007  
 For the Sakonnet Preservation Association  
 Datalayers: 2003-2004 RIDOT 1:5,000  
 scale digital true color orthophotographs,  
 RISSURGO datalayer, USDA-NRCS, 1996  
 (from RIGIS).

**Figure 8.**  
**Photo Point Location Map**  
**Property**  
**Little Compton, Rhode Island**



- Property**
- Conservation Area
- Photo Stations
- Perennial Streams



Created by:  
 Carol Lynn Trocki, 12/2007  
 For the Sakonnet Preservation Association  
 Datalayers: 2003-2004 RIDOT 1:5,000  
 scale digital true color orthophotographs,  
 stream datalayer (from RIGIS).

**Photo Point Description Sheet**  
**Property**  
**Little Compton, Rhode Island**

Photo No.	Photo Description
1A	Looking WSW along the southern boundary of the Conservation Area, alongside the driveway from the entrance near West Main Road.
1B	Looking NE along the boundary with West Main Road.
2	Looking SW across the wet meadow from the northeast corner of Lot 21 along West Main Road.
3A	Looking SW into wet meadow habitat within Lot 21.
3B	Looking N towards Lot 41.
4	Looking WSW along the stream that comprises the northern boundary of Lot 41.
5A	Looking ENE along the stream that comprises the northern boundary of Lot 27.
5B	Looking SE into Lot 27.
5C	Looking S along the western boundary of Lot 27.
6	Looking S within Lot 27.
7	Looking E across the small pond located in the northeast corner of Lot 21.
8A	Looking S along the western boundary of Lot 21.
8B	Looking W along the boundary of Lot 27.
9A	Looking N along the western boundary of Lot 21 from stream crossing.
9B	Looking E into the wooded portion of Lot 21 from the stream crossing on the western boundary.
10A	Looking NNE along the western boundary of Lot 21 from the SW corner.
10B	Looking ENE along the southern, wooded boundary of Lot 21. Note stone wall along boundary.
11A	Looking NE into Lot 21.
11B	Looking N along the boundary of the Conservation Area.
12A	Looking E into the marshy portion of Lot 21.
12B	Looking W into dense shrub wetland within Lot 21.
12C	Looking NNE along the shrub swamp and wet meadow interface within Lot 21.
13	Looking N along the boundary of Lot 41 and Lot 27 from Lot 21.
14A	Looking ENE along the southern boundary of the Conservation Area, along the driveway, towards West Main Road.
14B	Looking NW across wet meadow and marsh habitat within Lot 21.

**Photographs**  
**Property**  
**Little Compton, Rhode Island**



**Photo 1A**

Looking WSW along the southern boundary of the Conservation Area, alongside the driveway from the entrance near West Main Road.

Photographed by Carol Lynn Trocki

12/13/07



**Photo 1B**

Looking NE along the boundary with West Main Road.

Photographed by Carol Lynn Trocki

12/13/07



**Photo 2**

Looking SW across the wet meadow from the northeast corner of Lot 21 along West Main Road.

Photographed by Carol Lynn Trocki

12/13/07



**Photo 3A**

Looking SW into wet meadow habitat within Lot 21.  
Photographed by Carol Lynn Trocki  
12/13/07



**Photo 3B**

Looking N towards Lot 41.  
Photographed by Carol Lynn Trocki  
12/13/07



**Photo 4**

Looking WSW along the stream that comprises the northern boundary of Lot 41.  
Photographed by Carol Lynn Trocki  
12/13/07



**Photo 5A**

Looking ENE along the stream that comprises the northern boundary of Lot 27.  
Photographed by Carol Lynn Trocki  
12/13/07



**Photo 5B**  
Looking SE into Lot 27.  
Photographed by Carol Lynn Trocki  
12/13/07



**Photo 5C**  
Looking S along the western boundary of Lot 27.  
Photographed by Carol Lynn Trocki  
12/13/07





**Photo 6**  
Looking S within Lot 27.  
Photographed by Carol Lynn Trocki  
12/13/07



**Photo 7**  
Looking E across the small pond located in the northeast corner of Lot 21.  
Photographed by Carol Lynn Trocki  
12/13/07



**Photo 8A**

Looking S along the western boundary of Lot 21.  
Photographed by Carol Lynn Trocki  
12/13/07



**Photo 8B**

Looking W along the boundary of Lot 27.  
Photographed by Carol Lynn Trocki  
12/13/07



**Photo 9A**

Looking N along the western boundary of Lot 21 from stream crossing.  
Photographed by Carol Lynn Trocki  
12/13/07



**Photo 9B**

Looking E into the wooded portion of Lot 21 from  
the stream crossing on the western boundary.  
Photographed by Carol Lynn Trocki  
12/13/07



**Photo 10A**

Looking NNE along the western boundary of Lot 21 from the SW corner.

Photographed by Carol Lynn Trocki

12/13/07



**Photo 10B**

Looking ENE along the southern, wooded boundary of Lot 21.

Note stone wall along boundary.

Photographed by Carol Lynn Trocki

12/13/07



**Photo 11A**  
Looking NE into Lot 21.  
Photographed by Carol Lynn Trocki  
12/13/07



**Photo 11B**  
Looking N along the boundary of the Conservation Area.  
Photographed by Carol Lynn Trocki  
12/13/07



**Photo 12A**

Looking E into the marshy portion of Lot 21.  
Photographed by Carol Lynn Trocki  
12/13/07



**Photo 12B**

Looking W into dense shrub wetland within Lot 21.  
Photographed by Carol Lynn Trocki  
12/13/07



**Photo 12C**

Looking NNE along the shrub swamp and wet meadow interface within Lot 21.  
Photographed by Carol Lynn Trocki  
12/13/07



**Photo 13**

Looking N along the boundary of Lot 41 and Lot 27 from Lot 21.  
Photographed by Carol Lynn Trocki  
12/13/07



**Photo 14A**

Looking ENE along the southern boundary of the Conservation Area, along the driveway, towards West Main Road.

Photographed by Carol Lynn Trocki

12/13/07



**Photo 14B**

Looking NW across wet meadow and marsh habitat within Lot 21.

Photographed by Carol Lynn Trocki

12/13/07



## CAROL LYNN TROCKI

95 Clinton Avenue, Jamestown, RI 02835

Phone: (401) 423-2633, E-mail: [cltrocki@verizon.net](mailto:cltrocki@verizon.net)

### GRADUATE EDUCATION: UNIVERSITY OF RHODE ISLAND, KINGSTON, RI

- Master of Science in Environmental Science, Wildlife and Conservation Biology
- Thesis title: Patterns of salt marsh and farmland use by wading birds in southern Rhode Island.
- Degree Conferred: December 2003

### UNDERGRADUATE EDUCATION: UNIVERSITY OF RHODE ISLAND, KINGSTON, RI

- Bachelor of Science, Environmental Science and Management, with highest distinction, May 1999
- Bachelor of Science, Secondary Science Education, with highest distinction, May 1999

### RELEVANT Professional Experience:

#### Research Associate - URI Dept. of Natural Resources Science / US National Park Service

28 hrs/wk Jan 2006-current

- Develop biotic synthesis reports for northeast coastal parks to help inform management and prioritization efforts, beginning with Fire Island National Seashore

#### Contract Biologist - URI Dept. of Environmental and Natural Resources Economics, 2005-2007

- Involved in an innovative experimental market for ecosystem services, using hayfields as a demonstration
- Work with area farmers to better understand the effects of hayfield and cattle grazing on grassland nesting birds
- Conduct field surveys of breeding grassland bird on project area farm fields

#### Undergraduate Course Instructor – University of Rhode Island, Spring Semester 2005-current

- Teaching a junior-level course, Principles of Wildlife Management, within the Dept of Natural Resources Science

#### Conservation Biologist – Aquidneck Island Land Trust and assorted land conservation organizations

Contract Basis, November 2004 - present

- Provide conservation value assessment of prospective properties; create Baseline Documentation Reports and design Management Plans for protected properties

#### Contract Research Associate - URI Dept. of Natural Resources Science / US National Park Service

Approx 28hrs/wk, Jan. 2003–Dec. 2003; Variable, Jan. 2004 – 2007

- Developing coastal breeding bird monitoring protocol for Boston Harbor Islands National Park Area that uses volunteers for implementation (2007)
- Conducted mammal, reptile, and amphibian inventory in Boston Harbor Islands National Park Area (2005, 2006)
- Created a grassland bird conservation strategy for Saratoga National Historical Park, taking into account the Park's primary designation for historic purposes, current literature and best management recommendations, and park-specific history of research and management (2003 - 2005)
- Oversaw breeding season avian monitoring in the Northeast Temperate Network of the National Park Service: recruited, screened, and hired local point count surveyors at seven regional parks, created documentation of survey protocol and instructions, managed collected data, prepared final report (2003) and database documentation to NPS specifications (2004)
- Conducted breeding waterbird surveys in the Boston Harbor Islands National Park Area, managed collected data, collaborated on a manuscript outlining current and historic avian records from the park and providing specific recommendations for future management (2003, 2005-2007)

#### Avian Ecology Independent Contractor – US Environmental Protection Agency, Atlantic Ecology Division, May 2005-2007

- Involved in a collaboration between the USEPA National Health and Environmental Effects Laboratory and the Cornell Lab of Ornithology to examine the extent to which acid and mercury deposition interact, resulting in factors that influence avian population declines in the eastern US

**Contract Biologist** – US Geological Survey Pawtuxent Wildlife Research Center through Johnson Controls Inc.  
Approx 25hrs/wk, November 2004 - 2006

- Field sampling medium-sized mammals on Cape Cod National Seashore using a variety of methods for development of a monitoring protocol

**Stewardship/Trail Manager (Conservation Biologist)** - Aquidneck Island Land Trust (AILT)

Full Time, Jan. 2004 – Nov. 2004;

- Created Baseline Documentation Reports and Management Plans; provided input and support in determining the conservation value of prospective properties; designed and implemented a strategic conservation mapping project to identify conservation priorities on Aquidneck Island
- Stewarded and managed AILT-owned properties and trail projects; conducted annual monitoring visits on all properties, managed volunteer monitoring program, and maintained positive landowner relations

**Graduate Research Assistant** - URI Dept. of Natural Resources Science

25-30 hrs/wk., Jan. 2001 – Dec. 2004

- Designed a research project to fill a critical information gap in the current understanding of the habitat needs of nesting wading birds in Narragansett Bay
- Monitored wading bird use of salt marshes in southern Rhode Island during the breeding and the post-breeding season (2001 and 2002)
- Used photo-interpretation and GIS to create habitat maps of coastal wetland study sites
- Acquired complete project funding through competitive small grants for field assistance and travel
- Mentored and supervised undergraduate field research assistants
- Provided management recommendations to organizations and agencies interested in preserving and restoring salt marshes and active agricultural lands for foraging wading bird use

**Program Coordinator** - URI Coastal Fellows Program

Full Time, May 1999-Jan. 2003

- Mentored undergraduate research and outreach fellows, developed student opportunities, monitored student progress, and evaluated program success; developed and team-taught an undergraduate fall seminar in the communication and presentation of scientific research and outreach projects

**Research Assistant** – URI Dept. of Natural Resources Science

Approx. 15 hrs/wk, Aug. 1999 – Jan. 2000

- Conducted shorebird surveys of three coastal ponds in southern Rhode Island
- Designed and carried out project protocol to meet Army Corps specifications, with a focus on habitat use by endangered species; responsible for data acquisition, entry and analysis, budget tracking, drafting final report and presentation

**Field Research Assistant** - URI Dept. of Natural Resources Science

30hrs/wk, May - Aug. 1999

- Conducted research on avian community structure at a recently restored salt marsh and adjacent natural site in Galilee, Rhode Island
- Performed point count surveys, spot-mapping, nest searching, and tracking of color-banded birds throughout the breeding season to correlate bird use to habitat change occurring with restoration

## **COMMUNITY & VOLUNTEER ACTIVITIES**

Rose Island Lighthouse Foundation, Board of Directors, April 2003 – present, Board President 2005-06

Conanicut Island Land Trust, Board of Directors, August 2005 – present

Jamestown Conservation Commission, November 2004 –present

Jamestown Farm Viability Committee, May 2003 - present

### **PEER REVIEWED PUBLICATIONS**

Trocki, C. L. and P. C. W. Paton. 2006. Assessing habitat selection by foraging egrets in salt marshes at multiple spatial scales. *Wetlands* 26(2):307-312.

Trocki, C. L. and P. C. W. Paton. 2006. Comparison of two foraging habitats used by Glossy Ibis during the breeding season in Rhode Island. *Northeastern Naturalist* 13(1):93-102.

Paton, P. W. C., R. J. Harris, and C. L. Trocki. 2005. Distribution and Abundance of Birds during the Breeding Season in Boston Harbor. *Northeastern Naturalist*. 12 (Special Issue 3):145-168.

### **TECHNICAL PUBLICATIONS**

Trocki, C. L. and P. C. W. Paton. August 2007. Study Design for Assessing the Effects of Knapweed Control on Grassland Birds at Saratoga National Historic Park. Natural Resources Report NPS/NER/NRR – 2007/015. National Park Service. Northeast Region. Boston, MA.

Trocki, C. L., N. W. Talancy, and P. C. W. Paton. August 2007. An Inventory of Amphibians, Reptiles, Nonvolant Mammals, and Select Bird Species on Islands in Boston Harbor. Technical Report NPS/NER/NRTR – 2007/094. National Park Service. Northeast Region. Boston, MA.

Trocki, C. L. and P. C. W. Paton. March 2005. Developing a Conservation Strategy for Grassland Birds at Saratoga National Historical Park. Natural Resources Report NPS/NER/NRR—2005/004. National Park Service. Boston, MA.

Trocki, C. L. and P. C. W. Paton. December 2003. Avian Surveys in the Northeast Temperate Network Parks. Technical Report NPS/NER/NRTR – 2005/004. National Park Service. Woodstock, VT.

Trocki, C. L. Patterns of Salt Marsh and Farmland Use by Wading Birds in Southern Rhode Island. Master of Science Thesis – University of Rhode Island. 2003.