



**TOWN OF GROTON**  
Groton Conservation Commission  
173 Main Street  
Groton, MA 01450-1237  
(978) 448-1106  
Fax: 978-448-1113  
Email: ngualco@townofgroton.org



January 14, 2020

Bruce Easom, Chairman  
Community Preservation Committee  
Town Hall - 173 Main Street  
Groton, MA 01450

RE: FY-2022-03 Community Preservation Proposal – Conservation Fund.

Dear Chairman Easom:

The Conservation Commission is pleased to submit this draft application and proposal to the Community Preservation Committee for consideration. The Conservation Commission is requesting FY22 Community Preservation Act funding in the amount of \$350,000 to help replenish the Conservation Fund.

The Conservation Fund allows the Town to move quickly in the event a priority parcel comes on the market. It has been a vital tool in the preservation of open space in Groton, most recently with the purchase of the Priest Family Conservation Area. This approx. 60-acre property, which is comprised of three open space parcels, protects the first significant stretch shoreline on Martins Pond open to the public and provides a crucial replacement for lost public access (via Brooks Orchard) between Williams Barn – Sorhaug Woods Conservation Area and Martins Pond /Gibbet Hill Conservation Restriction public lands. The Commission has continued to respond to the availability of priority parcels coming onto the market in recent years by actively exploring and pursuing all opportunities to purchase land. Thanks to several successful land purchases the Commission has added approx. 90 acres to the Town's open space inventory since 2018. However, as a result, the Conservation Fund has been greatly depleted. Commissioners wish to stress the importance of continuing to add incremental amounts to the Conservation Fund on an annual basis.

Sincerely yours,

Nikolis Gualco  
Conservation Administrator

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## CPA Project Application Form

[CPC Use Only: Date Received \_\_\_\_\_ By: \_\_\_\_\_  
Assigned CPC #2022 - \_\_\_\_\_]

If possible, use word processor to fill out form. Please answer all questions, use "N/A" if not applicable.

1. a.) Applicant Name and Organization: Last Gualco First Nikolis  
Organization(s) (if appropriate) Groton Conservation Commission
- b.) Regional Project: Yes or No?  If Yes, Town/Organization: \_\_\_\_\_
2. Submission Date: January 14, 2021
3. Applicant Address: 173 Main Street  
City/ State: Groton ZIP: 01450
4. Ph. # (978) 448-1106 Email: ngualco@grotonma.gov
5. CPA Purpose. Check all that apply:  
Community Housing  (Affordable Housing: ) Historic Preservation: . Open Space:  
 Recreation
6. Town Committee or boards participating: Conservation Commission
7. Project Location/Address: n/a
8. Project Name: Conservation Fund – FY22
9. Additional Responsible Parties (If applicable):

Role (specify)	Name	Address	Ph. (w) (cell)	Email
Property/Site Owner				
Project Manager	<b>Nikolis Gualco Conservation Administrator</b>	<b>173 Main Street Groton, MA 01450</b>	<b>(978) 448- 1106</b>	<b>ngualco@ grotonma.go v</b>
Lead Architect				
Project Contractor				
Project Consultants				

10. As appropriate, indicate if proposal requires P&S agreement No Deed No  
Option agreement No Other-describe: n/a
11. a.) Assessor info. (map/ block/ lot id. (s)): n/a b.) Tax classification type: n/a
12. Permits required: Zoning: No Historic Preservation: No Other: No
13. Historic Commission Approval signoff (when required): n/a Date: \_\_\_\_\_

**14. Funding:**

- a.) Requested from CPC: \$ 350,000
- b.) Committed from other sources: \$ 0
- c.) Annual anticipated total income: \$ n/a
- d.) Annual anticipated total income: \$ n/a
- e.) Annual anticipated total expenses:
- f.) Anticipated net income (loss): \$ n/a
- g.) Estimator name/company: n/a

**15. CCP Objectives - use codes from Section 5 to indicate all that apply:**

OSRP 9.1.1, 9.1.3, 9.2.1, 9.3.1, 9.4.1, 9.5.1, 9.5.2, 9.7.1; and CPP 5.1.1

**16. Project Timelines: Proposed Start Date: n/a Projected Complete Date: n/a****17. Estimated Delivery Date of Completion Report to CPC: n/a****18. Project description and explanation (attach additional sheets as needed):**

The Conservation Commission is requesting \$350,000 in CPA funds to be added to the Town's Conservation Fund to help preserve open space, protect water resources and wildlife habitat, and preserve land for agricultural, recreational, and forestry activities. The Conservation Fund allows the Town to move quickly in the event a priority parcel becomes available. In the past, the Conservation Fund has been used to purchase Conservation Restrictions, Agricultural Preservation Restrictions, and fee ownership of conservation land in the Town. The Commission's goal is to maintain an amount between \$750,000 and \$1,000,000 in the Conservation Fund. As of the December 1, 2020 the Conservation Fund balance is \$320,129. (See attached proposal for full project description.)

**19. Feasibility:**

The Conservation Fund has been used numerous times to preserve open space, recreational, and cultural/historical assets (see attached proposal). The Fund was used in 2019 and 2020 to purchase approx. 60 total acres off Martins Pond Road, including the entire southern shore of Martins Pond. This enabled significant public access to Martins Pond for the first time as well as provided a critical connection between the Williams Barn – Sorhaug Woods Conservation Area and Martins Pond /Gibbet Hill Conservation Restriction public lands. A trail connection was completed by an Eagle Scout in 2020 for this property.

**20. List of Attachments:**

- a) Proposal;
- b) Attachment 1, Master Plan Excerpt;
- c) Attachment 2, OSRP excerpt;
- d) Attachment 3, Management Plan;
- e) Attachment 4: Letters of Support

**21. Additional Information:**

See proposal and map figures included in Attachments 1 & 2.

**22. Management Plan:**

See attached Management Plan for Land Protection (Attachment 3).

23. Applicant Signature:  Date: Jan. 14, 2021  
Co Applicant Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Co Applicant Signature: \_\_\_\_\_ Date: \_\_\_\_\_

## FY22 Community Preservation Proposal – Groton Conservation Commission

## Proposal Summary

The Groton Conservation Commission is requesting \$350,000 in CPA funds to be transferred to the Conservation Fund for the following objectives: preserve open space; protect water resources; preserve land for agricultural, forestry, and recreational activities; and protect important wildlife habitat that might otherwise be converted into subdivisions or commercial developments. These objectives are identified as priorities in the 2011 Master Plan and 2019 Groton Open Space & Recreation Plan.

The Conservation Fund, with allocations through the Community Preservation Act, has been a vital tool in the preservation of open space in Groton. The Conservation Commission has applied most years since the Town adopted the Community Preservation Act for CPC funds. In the past, the Conservation Fund has been used by the Conservation Commission to purchase Conservation Restrictions, Agricultural Preservation Restrictions, and fee simple purchases of conservation land within the Town of Groton. In some years the Commission has withdrawn its application or reduced the amount of funds requested in deference to other worthy projects.

The Conservation Fund is also utilized for professional services necessary for the completion of land acquisition projects, such as title certifications, recordings at the Registry of Deeds, real estate appraisals, and surveys. The Conservation Fund enabled the Commission to hire a consultant to assist in the preparation of both the Groton 2005, 2012 and 2019 Open Space & Recreation Plans. A current Plan assures the Town's eligibility to apply for state grants and guides the Commission in prioritizing parcels for acquisition. Applying for state grants enables the Commission to further leverage the funds received through the Community Preservation Act. The Town has received a total of \$1,391,520 through five successful grants from the state.

The Conservation Fund allows the Town to move quickly in the event a priority parcel comes on the market, and the Conservation Commission wishes to stress the importance of continuing to add incremental amounts to the Conservation Fund on an annual basis. To remain competitive in the real estate market, the Commission's goal has been to maintain an amount between \$750,000 and

\$1,000,000 in the Conservation Fund. As of the December 1, 2020 the Conservation Fund balance is \$320,129.

#### The Conservation Fund – Recent Activity

The Conservation Commission has been in a seemingly continuous state of negotiations since the beginning of 2018. This has been in reaction to a number of priority parcels coming onto the market. In 2018, the Commission purchased 21.4 acres of land in West Groton (the Patricia Hallet Conservation Area), which connects the Hemlock Grove-Lawrence Park conservation lands to the old B&M rail line and ultimately to the Town Forest. In 2019, the Commission purchased 18 acres along Martins Pond, which offered the first significant public access to the pond. In 2020, the Commission closed on approx. 40 acres, which reestablished connectivity between the Williams Barn – Sorhaug Woods Conservation Area and Martins Pond /Gibbet Hill Conservation Restriction public lands. This new connection replaces access that was formerly provided across Brooks Orchard, which is no longer open to the public.

#### Background

Prior to the Town's adoption of the CPA, the Groton Conservation Fund was funded by warrant articles at the Annual Town Meeting. After the Town's adoption of the CPA in 2004, the Conservation Commission has relied on CPA funding to replenish the Conservation Fund. Through good times and bad, the Town's voters have shown a willingness to spend some of their hard-earned money to help preserve and protect the Town's open space resources. **Table 1** on the next page shows Town appropriations to the Conservation Fund from FY 1996 through FY 2020.

Voters at Town Meeting approved CPA funding in the amount of \$185,000 in 2005; \$200,000 in 2007; \$100,000 in 2008; and \$100,000 in 2009 to be allocated to the Conservation Fund. A request in 2010 for \$30,000 and another request in 2011 for \$150,000 were not approved at Town Meeting. In October 2012, Town Meeting approved an additional \$25,000 in CPC funds, as well as an article to purchase the 106-acre Walker-Cox parcels on Chicopee Row for \$716,000.

In 2013, the Conservation Commission withdrew its request for FY14 CPA funding to enable the Park Commission to proceed with their request for \$350,000 unimpeded. In 2014, the Conservation

Commission's request for \$200,000 was reduced to \$100,000 by the CPC and approved by Town Meeting. In 2015, the Commission's request for \$200,000 was approved by Town Meeting. The Commission was awarded a modest amount in 2017 and was denied funding in 2018. The Conservation Fund was funded for \$25,000 in FY19 and \$100,000 in FY20. In 2020, the CPC generously recommended that the Commission's requested amount be increased and ultimately the Conservation Fund was appropriated \$221,000 (up from the \$200,000 which was applied for).

As of the December 1, 2020 the Conservation Fund balance is \$320,129.

*Table 1: Town Appropriations to Conservation Fund - 1996 through 2017*

<b>Fiscal Year (July 1 through 30 June)</b>	<b>Amount Appropriated at Town Meeting</b>
1996	\$10,000
1997	\$100,000
1998	\$50,000
1999	\$100,000
2000	\$200,000
2001	\$300,000
2002	\$200,000
2003	\$75,000
2004	\$125,000
2005	\$185,000
2006	0 (Surrenden Farm)
2007	\$200,000
2008	\$100,000
2009	\$100,000
2010	0
2011	0
2012	\$75,000 (Spring)
2012	\$25,000 (Fall)
2013	0 (withdrawn)

2014	\$100,000
2015	\$200,000
2016	0
2017	\$25,000
2018	0
2019	\$25,000
2020	\$100,000
2021	\$221,000

**Table 2** below shows some of the most significant purchases made in recent years with monies from the Conservation Fund.

***Table 2: Conservation Fund Critical to Success of Significant Open Space Protection***

<b>Year</b>	<b>Parcel</b>	<b>Method of Preservation</b>	<b>Acres Protected</b>
1997	Williams Barn Sorhaug Woods	Purchase at auction \$220,000	93
1998	O'Neill/Fairview Orchards Old Ayer Rd.	Agricultural Preservation Restriction \$35,000; remainder paid by the state	28
1998	O'Neill/Whitman Rd.	Agricultural Preservation Restriction \$35,000; remainder paid by the state	80
1999	O'Neill/Lawrence Higley & Farmers Row	Agricultural Preservation Restriction \$30,000; remainder paid by the state	45
2000	Shattuck Homestead/Baddacook Pond Viewshed	Conservation Restriction \$100,000; Water Dept. and Groton Conservation Trust also contributed funds to complete project.	36
2002	Gibbet Hill and Angus Hill	Conservation Restriction \$500,000 of \$3.5 million purchase price; remainder paid by state & donation of conservation restrictions by Groton Conservation Trust	250
2002	Hurd Property/Skyfields Dr.	Fee simple purchase of \$279,000 <i>w/ state (Self-Help)</i>	32.7

		<i>reimbursement of \$161,820 &amp; remainder from Conservation Fund</i>	
2006	Surrenden Farm	Project completed w/local, state, Groton School, & GCT funding; Conservation Fund (\$11,813) used to purchase title certification & insurance as part of Self-Help reimbursement process	360
2009	Fuccillo property	<i>60% (\$93,600) reimbursement grant through state LAND grant program – for \$150,000 purchase</i>	7±
2011	Baddacook Pond NEFF parcel	<i>LAND grant reimbursement of 60% (\$236,100)</i>	52
2013	Walker-Cox parcels	\$716,000 purchase; <i>LAND grant reimbursement \$400,000</i>	106
2018	Patricia Hallet Conservation Area	\$85,000 purchased in fee	21±
2019 & 2020	Priest Family Conservation Area	\$635,000 purchased in fee	60±

As mentioned in the *Proposal Summary* above, the Conservation Commission has successfully leveraged some of these monies by getting a total of \$1,391,520 in reimbursements through the State's Local Acquisitions for Natural Diversity (LAND) Grant program (formerly known as the Self-Help Grant).

For example, in 2009, the Conservation Commission purchased the 7± acre Fuccillo property on Lowell Rd. for \$150,000 from the Conservation Fund. Of this amount a successful LAND grant application resulted in a state reimbursement of \$90,000. In 2011, the Conservation Commission negotiated with the New England Forestry Foundation for the purchase of 52± acres on the east shore of Baddacook Pond for \$393,500. Groton received a LAND reimbursement of \$227,621. In 2013, the Conservation Commission received a \$400,000 LAND reimbursement grant upon completion of the Walker-Cox parcels.

The Conservation Fund allows the Town to move quickly in the event a priority parcel comes on the market. The foreclosure auction at which the Williams Barn Sorhaug Woods property was purchased is a prime example. The Town's willingness to contribute toward the purchase of development rights

on farmlands moved the O'Neill parcels up in the state's queue for APR acquisitions. The fact that the Town had already set aside funds specifically for conservation purposes helped convince the state to also contribute funds to the permanent protection of 250 acres on Gibbet Hill and Angus Hill in 2002. In the past, the Town has exercised its right of first refusal for parcels taxed under M.G.L. Ch. 61. The 120-day window of opportunity is a difficult proposition, for which the Conservation Fund can serve as a ready funding mechanism.

#### Benefits to Town of Groton

In early 2004, when the Town first began to seriously investigate the Community Preservation Act, the Conservation Commission voted unanimously to recommend that Town Meeting adopt the CPA. One argument in favor of adopting the CPA was that the Town would become eligible to receive a significant match from the Commonwealth by funding its Conservation Fund through the CPA. This leveraging of our conservation dollars enabled the Town to commit \$5.6 million to the Surrenden Farm project. Town Meeting overwhelmingly endorsed the concept. The Commission received assurance at that time from the CPC and the Town Tax Collector that there remained sufficient CPC funds to continue to fund other CPC-approved projects that might arise in future years. This proposal represents the fulfillment of the expectation that the CPA would be used to leverage the appropriations to the Conservation Fund that the Town would likely have voted for even without the CPA.

Besides the financial leveraging advantages described above, the Groton Conservation Commission believes that there are three more compelling reasons for funding the Conservation Fund through the Community Preservation Act process:

- a) Placing CPA funds into the Conservation Fund makes them instantly available to the Conservation Commission for acquiring open space that may be available for purchase for only a short period of time. As noted above, this is true of Chapter 61 purchases where the town has only 120 days in which to arrange appraisals and exercise its right of first refusal. If the monies remained in the Community Preservation Fund, these short-term opportunities could only be realized if a Town meeting could be quickly held so that the purchase could be approved.

- b) Through years of administering the Conservation Fund, the Conservation Commission has developed expertise in the areas of identifying, appraising, negotiating, purchasing, and maintaining open space in the Town. The Commission has successfully applied for state grants to offset the cost of acquiring open space. The voters in Town have shown their confidence in the Conservation Commission to handle these matters by consistently voting to support the Conservation Fund.
  
- c) The workload on the Community Preservation Committee will be reduced by having the Conservation Commission be responsible for the acquisition of open space for the Town. The process of negotiating and purchasing open space can be time consuming and span many years. Relying on the expertise of the Conservation Commission in the area of open space acquisition will allow the Committee to focus more of its attention on the new activities of historic preservation, recreation, and community housing.

The 2011 Master Plan (see excerpt, Attachment 1) and 2019 Groton Open Space & Recreation Plan (OSRP; see excerpt, Attachment 2) outline some of the goals and objectives for the protection of open space, as well as the issues surrounding a ranking system to prioritize open space acquisitions and the development of alternative funding source.

The following Master Plan goal is addressed by this proposal:

- Goal: Ensure that Groton’s agricultural, forested, and recreational open spaces are protected, enhanced, and expanded for present and future generations.

The following OSRP goals are specifically addressed by this proposal:

- Goal 1: Promote the preservation of important land resources
  - Objective 9.1.1 – Prioritize open space protection.
  - Objective 9.1.3 – Engage the public to support natural resource protection.
- Goal 2: Protect water resources
  - Objective 9.2.1 – Prevent disturbance of riparian areas and wetlands and encourage infiltration, water flow, and wildlife movement in rivers and streams.
- Goal 3: Promote resiliency to climate change and sustain biological diversity.

- Objective 9.3.1 – Protect wildlife habitat and contiguous greenway corridors.
- Goal 4: Support local agriculture
  - Objective 9.4.1 – Secure preservation of priority farmlands.
- Goal 5: Provide recreational facilities to meet Groton’s needs
  - Objective 9.5.1 – Expand trail linkages to connect recreational areas.
  - Objective 9.5.2 – Acquire or reserve additional land for recreational activities.
- Goal 7: Enhance Groton’s community identity
  - Objective 9.7.1 – Identify, preserve, and commemorate historic landscapes, sites, and structures.

In addition, this proposal addresses the following Community Preservation Plan (CPP) objective:

- 5.1.1 – Continue to seek funding for reuse and preservation of Town-owned historic resources.

The recent updating of the Town’s OSRP has provided the Commission an opportunity to fine-tune its list and definition of priority parcels. Currently the Conservation Commission has several parcels under specific consideration. All properties under consideration provide exemplary opportunities for scenic views, recreational uses, and wildlife observation. Negotiations with landowners are sensitive and apt to be prolonged and typically involve real estate and legal expertise. The Commission requires one, if not two, professional appraisals before contemplating land acquisitions. The Commission is familiar with the paperwork and process necessary for State and Federal grant applications and has previously used and will continue to utilize this technique to further leverage Town funds.

The Commission gives highest priority to preserving parcels that help to maintain the Town’s rural, agrarian character and sustain a healthy and diverse ecosystem. Parcels that link with contiguous protected open space, parcels that protect and preserve a greenway along the Nashua and Squannacook Rivers and their tributaries, parcels where significant wildlife habitat or corridors have been identified, parcels that preserve a sense of Groton’s agricultural heritage – all of these attributes are considered when prioritizing parcels for protection.

### Finances

The Commission has previously indicated its desire to maintain between \$750,000 and \$1,000,000 in the Conservation Fund. The Conservation Commission continues to stress the need for the Town to set aside funds each year in order to spread out the tax burden over several years rather than creating a tax spike in any one fiscal year or adding to future debt service. This money earns interest while set aside. Some towns have succeeded in using the Conservation Fund as a kind of endowment fund, using earned interest to offset debt service in future years. The Commission has actively sought other sources of funding, such as state and federal grants, to leverage CPA funds to the fullest extent.

### Accounting

Chapter 44B of the Massachusetts General Laws specifies the uses for which CPA funds can and cannot be expended. In general, funds used for open space acquisition cannot be used for the maintenance of acquired land unless the land was acquired with CPA funds. Conservation Fund monies are not similarly restricted. The fact that the Community Preservation Funds are more restricted in their use requires that CPA funds be segregated from the non-CPA monies in the Conservation Fund. At this point, all money in the Conservation Fund is treated as CPA funds and treated accordingly. To address funding needs for projects not appropriate for CPA funds, the Commission created a dedicated Land Management Revolving Fund, which is funded by land use activities (e.g., agricultural license fees, forestry revenues).

### Reporting

The Conservation Commission office maintains a database of protected open space held by the Town and managed by the Commission. In most cases these records provide the date of acquisition, a copy of the deed, acreage, survey plans, history of acquisition (including appraisals), flora and fauna information, as well as management strategies. A packet of this information would be conveyed to the Community Preservation Committee as land acquisitions or protection efforts are completed. Monthly reports on the Commission's land acquisition activities are given to the CPC by the Commission's representative. Written reports are provided as requested by the CPC.

List of Attachments

Attachment 1, Master Plan Excerpt;

Attachment 2, OSRP excerpt;

Attachment 3, Management Plan;

Attachment 4: Letters of Support

## **FY22 Community Preservation Proposal – Groton Conservation Commission**

### **ATTACHMENT 1**

Excerpts from 2011 Master Plan:

- Cover Page
- Pages 54-55 – Open Space Goal & Recommendations
- Map 3.1 – Ecological Diversity
- Map 3.3 – Agricultural Resources
- Map 3.4 – Natural Resources Assessment
- Map 3.5 – Natural Resource Protection Gaps

# groton master plan



town of groton, massachusetts

Prepared for:  
Groton Planning Board  
Land Use Department

Prepared by:  
Community Opportunities Group, Inc.  
Dodson Associates, Ltd.  
Fay, Spofford & Thorndike, Inc.



September 2011

appropriate manner. GCC members and volunteers have begun the labor-intensive process of visiting each parcel to document existing conditions and identify management concerns. The Town may need to supplement the GCC's volunteer efforts by hiring a professional naturalist to complete more thorough environmental reviews. Invasive species and abutter encroachment are just a few of the management concerns that need to be addressed. Related issues include the following:

Active management of forests can cause public concern. Groton recently procured the services of a consulting forester, using revenue from timber harvesting on conservation, water, and municipal land. The forester's first task will be to assess the potential of forested parcels for sustainable forestry practices. In the past, Groton residents have expressed concern about harvesting existing forests, so these types of activities on conservation land may trigger public opposition. A public education campaign and a transparent process to select parcels for sustainable management will be important to alleviate abutter concerns.

Groton has many CRs on small lots throughout town, which makes it difficult for the GCC to review and manage them. However, it is important to survey these properties in order to manage abutter encroachment. Ironically, part of the problem stems from past donations of conservation parcels negotiated by the Planning Board.

**Opportunities to participate in active sports are limited by the number of available recreation facilities and the types of programs offered by private organizations.** In the past decade, Groton has developed several new recreational facilities and expanded others. However, issues with recreational opportunities remain, including:

- Few recreational programs for adults, seniors, or people with disabilities.
- A lack of affordable recreational programs.
- Limited opportunities for non-competitive sports.
- Recreational facilities that are far from activity centers. For example, the Park Commission is working on expanding the existing Cow Pond Road recreation facility, but this is far from Groton's villages, schools, and other neighborhoods.

The Groton Pool and Golf Center has limited programming and facility issues. Recent changes to the Groton Pool and Golf Center (formerly the Groton Country Club) will expand recreation choices for Groton residents. Still, the Center offers a limited number of pro-

grams and many of its facilities are in disrepair. The facility's location near Groton Center creates an opportunity to expand recreational and cultural offerings and attract more participants.

**Groton Fairgrounds requires additional planning to enable greater community access.** Groton Fairgrounds (also known as Hazel Grove Park) has significant potential for expanding public recreation options. Its location next to conservation land on the Nashua River offers unique opportunities for trail development, including use of the Fairgrounds for access and parking. However, the current users of the Fairgrounds have concerns about safety and security for the horses and their riders if public access is allowed to the site. Groton will need to consider a range of issues and interests, beyond those of current users, in order to determine appropriate public access to the Fairgrounds.

**Groton has not been able to sustain a community garden, despite resident desire and efforts.** Although groups such as Groton Local have expressed much enthusiasm for establishing a community garden, securing land for this activity has been difficult. While more common in urban environments where open space is scarce, a community garden in Groton would provide gardening opportunities for those with little or no land and also enhance a sense of community. As with any open space, there are maintenance challenges specific to community gardens, so planning for one would require a strategy not only for land acquisition and design, but also long-term management.

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## Goals and recommendations

**GOAL: ENSURE THAT GROTON'S AGRICULTURAL, FORESTED, AND RECREATIONAL OPEN SPACES ARE PROTECTED, ENHANCED, AND EXPANDED FOR PRESENT AND FUTURE GENERATIONS.**

### Recommendations:

- **Continue to develop and maintain a comprehensive open space inventory database that will identify and assess all of the town's open space parcels and associated resource value.** While Groton currently has a database of public and private conservation parcels, municipal landholdings, and unprotected priority parcels, the database should be expanded to include information on each parcel's resource value. This will allow the users to better understand the role each parcel plays in the larger ecosystem. Updating

- Groton's GIS to incorporate this type of data will be important as well.
- **Develop a ranking system to prioritize unprotected open space parcels.** A set of criteria for ranking and assessing unprotected open space parcels will be essential to help Groton set acquisition priorities. This will be particularly important as funds available for acquisition continue to diminish. Criteria should include:
    - Whether the parcel is located in a Preservation or Conservation Design Area as illustrated in Map 3.4.
    - Whether the parcel is adjacent to or could be easily connected to other open space.
    - Whether the parcel can contribute to the development of a town-wide recreational trails network.
  - **Protect priority open space parcels.** Using Map 3.4, Natural Resource Assessment, Map 5.1, Open Space and Recreation Resources, an assessor's parcel map, and the open space ranking criteria described above, Groton should aggressively seek to protect high-priority open space and be willing to forego attempts to acquire lower-ranking properties. Once the priority sites are confirmed, the Town should work with other conservation groups to approach property owners and discuss opportunities for land protection, including fee-simple acquisition and conservation restrictions or easements.
  - **Pursue development of a town-wide trail system.** As Groton's remaining undeveloped parcels await either development or protection, there is a unique opportunity to create a permanent network of trails linking the town's residential areas, bike paths, regional trails, and the Nashua and Squannacook Rivers. Building on the many existing trails on Town-owned conservation land, the network would give hikers, bikers, and equestrians direct access to a continuous network of trails. Ultimately, the Town could develop various trail segments as interpretive trails with signage and written guides describing the area's historical features and natural history. To begin connecting trail segments, Groton should focus on existing trails on public land with paths and sidewalks along town roads.<sup>27</sup>
  - **Continue to fund land protection with CPA revenue and the Conservation Fund.** While Groton should continue to protect land through donations and other low-cost means, there will be instances where outright acquisition is the only viable option for protecting a significant parcel. Toward these ends, the GCC must have funding available if the Town needs to respond quickly when a vulnerable landscape is threatened. Encouraging property owners to consider other protective techniques such as CRs and APRs would offer another cost-effective alternative.
  - **Continue to review the Town's conservation parcels for opportunities to allow agricultural use.** Groton currently leases some of its conservation parcels for agricultural use, but the GCC has received limited interest in other parcels due to site conditions. Working with local farmers to determine their needs and concerns would provide the town with information that could help them to better assess potential parcels for farming.

#### GOAL: IMPROVE MANAGEMENT OF OPEN SPACE AND RECREATION PARCELS.

##### Recommendations:

- **Develop management strategies and individual management plans for the Town's conservation lands.** Working with Groton's conservation groups to complete surveys for all conservation lands will allow the Town to take a proactive approach to land management, identifying and developing strategies to address site-specific concerns such as invasive species. This effort could also include coordination with neighboring towns to manage shared resources like the Squannacook and Nashua Rivers. Due to the effort involved with developing management plans, the town could consider securing professional services to complete these plans. In addition, the GCC may need to update its conservation land regulations as part of the process of developing property management plans.
- **Conduct educational outreach on the benefits of sustainable forestry management.** Groton's sustainable forestry activities need to be accompanied by an outreach strategy to ensure transparency and public understanding. This is especially true for landowners with properties adjacent to forestry sites.
- **Encourage developers to consolidate open space set-asides, rather than create small, fractured conservation properties.** Reviewing the town's Flexible Development bylaw to encourage developers to pre-

<sup>27</sup> Chapter 6 also includes recommendations for developing trails.

# Groton Master Plan

## Map 3.1: Ecological Diversity

March 2011

### KEY

#### ROADWAYS

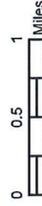
- Limited Access Highway
- Multi-Lane (Not Limited Access)
- Other Numbered Highway
- Major Road, Collector
- Local Roads

#### WATER RESOURCES

- Open Water
- Wetlands
- Rivers and Streams

#### NHESP INVENTORIES

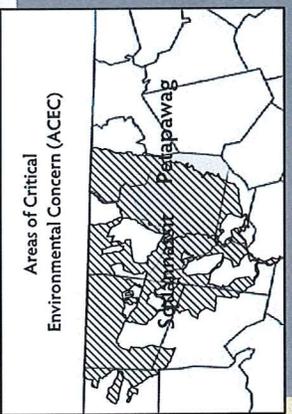
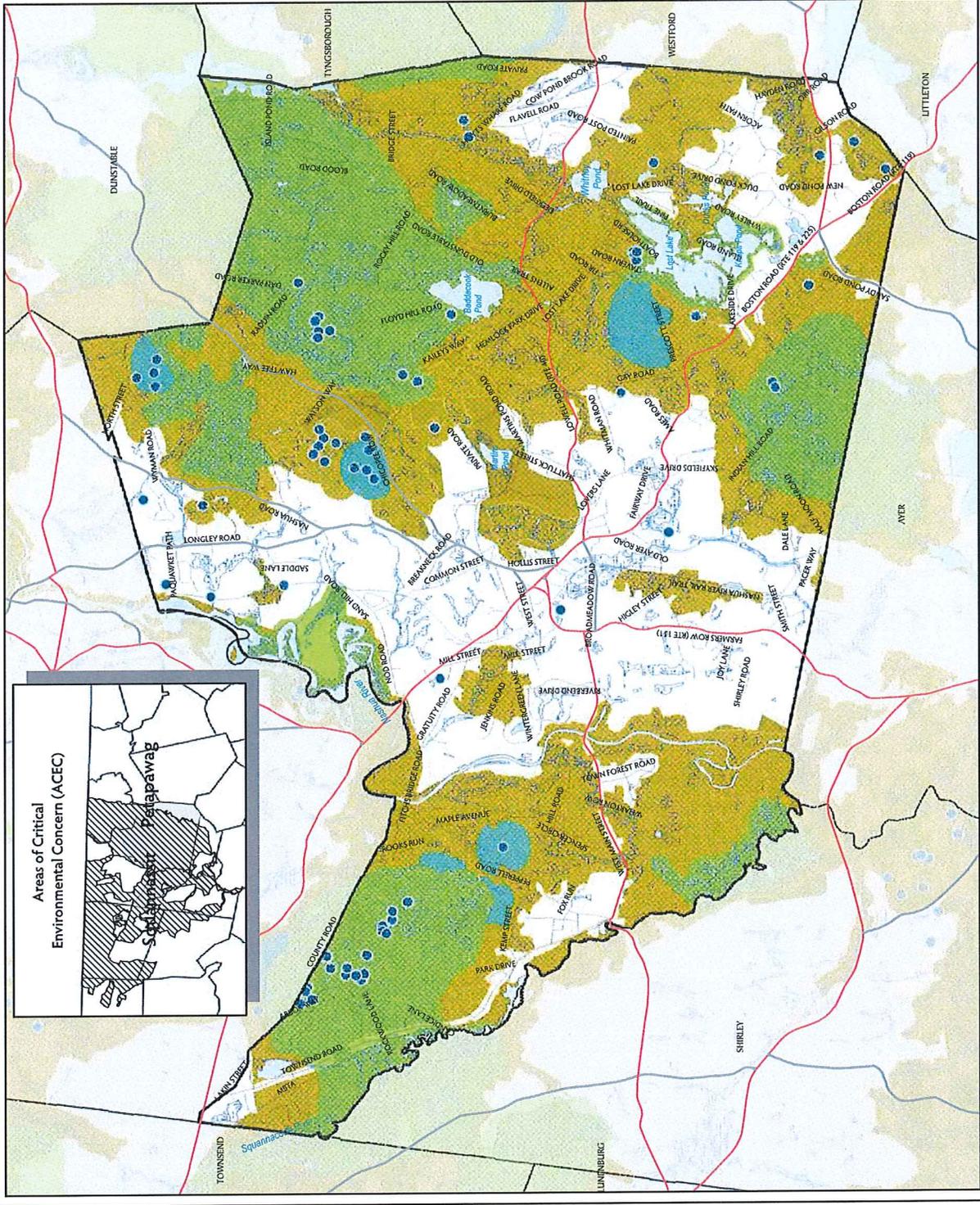
- Certified Vernal Pool (2010)
- NHESP Priority Habitat (2008)
- BioMap 2 Areas (2011)
- Core Habitat
- Critical Natural Landscape
- Core Habitat: Priority Natural Communities
- Core Habitat: Forest Core
- Core Habitat: Vernal Pool
- Core Habitat: Species of Conservation Concern
- Critical Natural Landscape



### Groton Planning Board

CONSULTANTS  
 Community Opportunities Group, Inc.  
 Dodson Associates  
 Fay, Spofford & Thorndike, Inc.

Data Sources:  
 Applied Geographics, Inc., MascGIS,  
 Natural Heritage and Endangered Species Program (NHESP)  
 Natural Resources Assessment by Dodson Associates



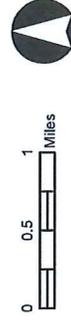
Note: This map is for general planning purposes only. The data used to create the map are not adequate for making legal boundary determinations or delineating resource areas. Exercise caution when interpreting the information on this map.

# Groton Master Plan

## Map 3.3: Agricultural Resources

March 2011

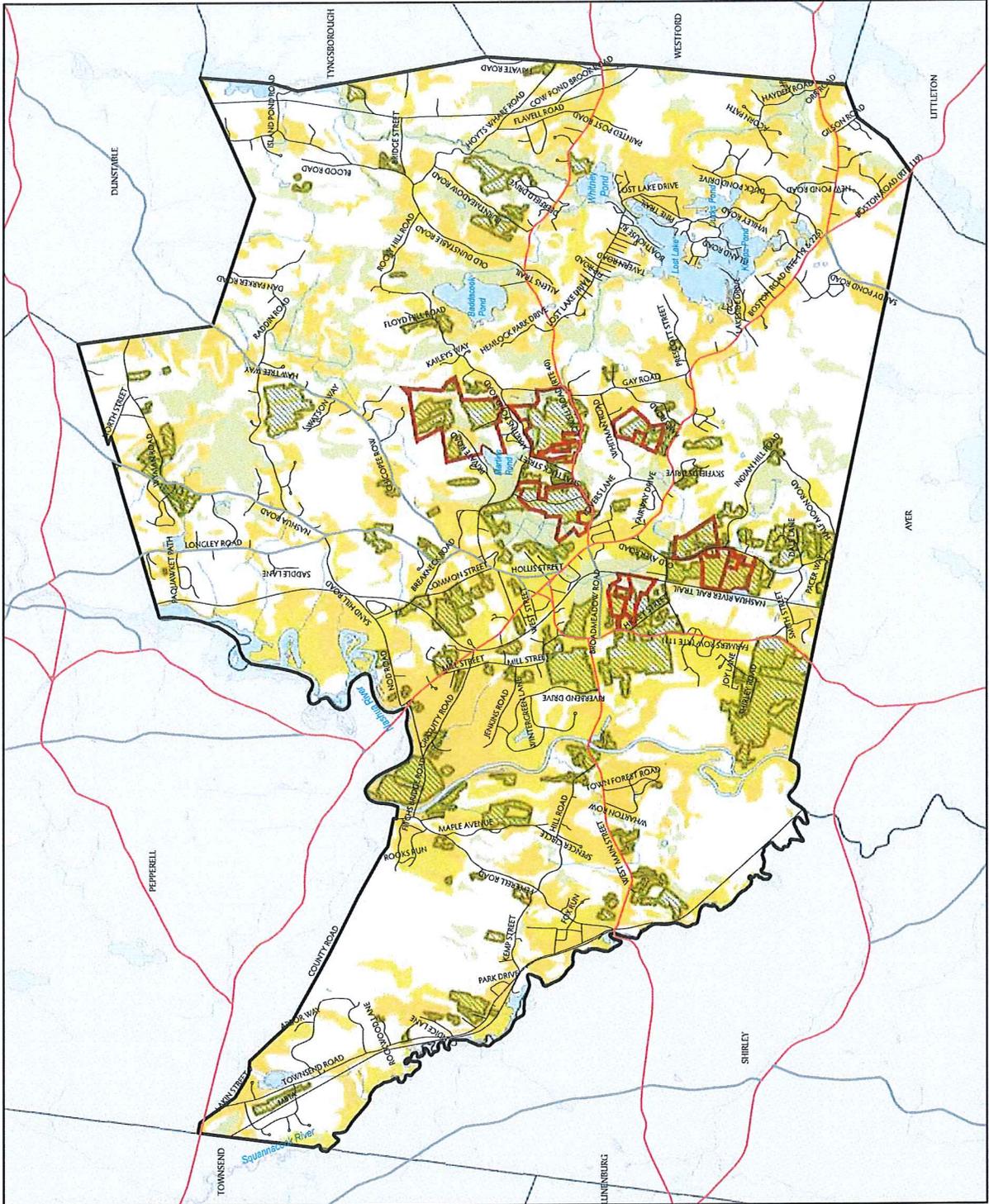
- KEY**
- ROADWAYS**
- Limited Access Highway
  - Multi-Lane (Not Limited Access)
  - Other Numbered Highway
  - Major Road, Collector
  - Local Roads
  - Water Bodies
  - Rivers and Streams
  - Agricultural Uses\*
  - APR and CR Parcels
  - Farmland Soils by Class (USDA)
  - Prime Farmland
  - Farmland of Statewide Importance
  - Farmland of Unique Importance
- \*includes any land used for crops, pastures, orchards, and nurseries; Statewide Land Use Map, 2005.



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# Groton Master Plan

## Map 3.4: Natural Resources Assessment

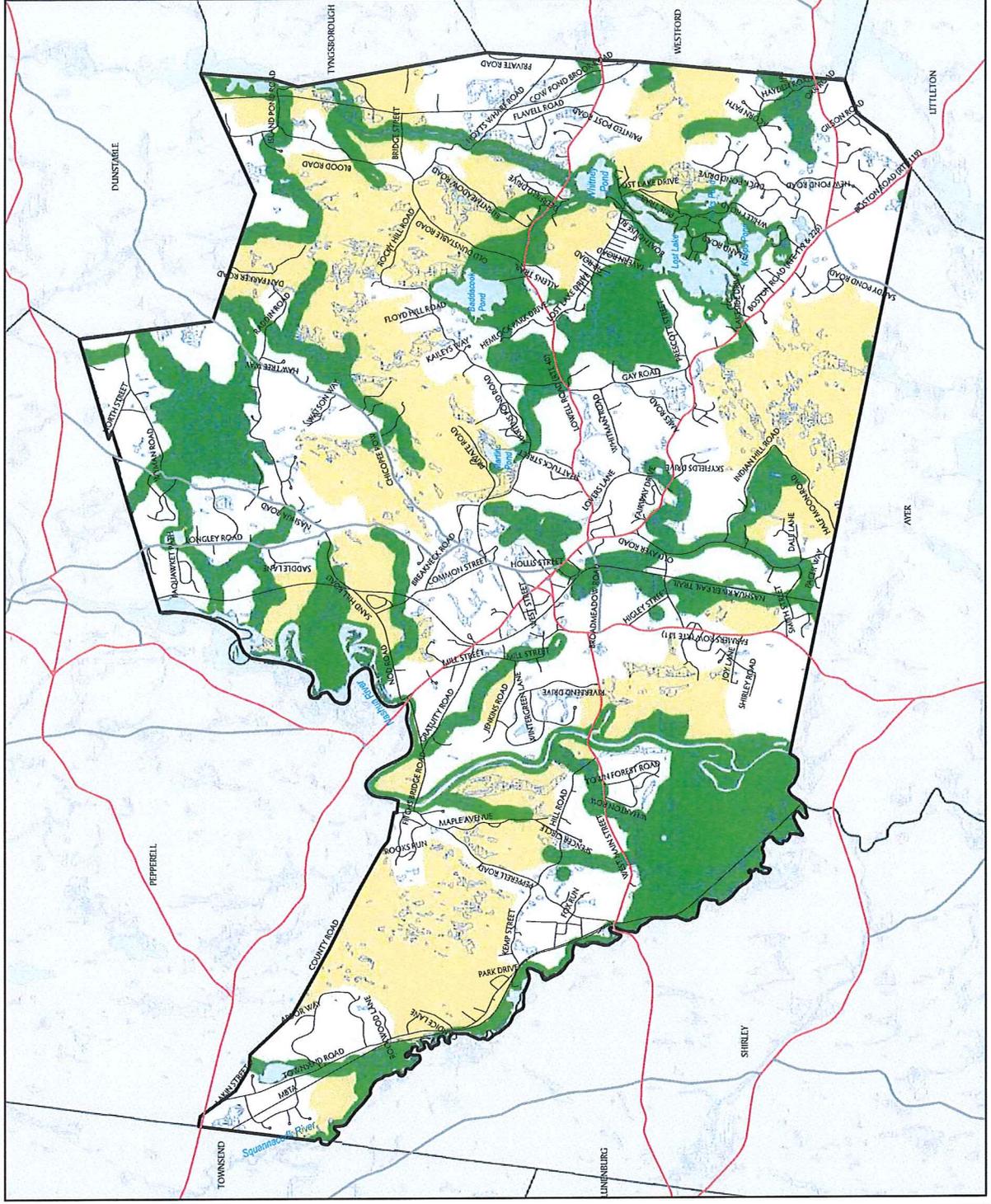
March 2011

- KEY**
- ROADWAYS**
- Limited Access Highway
  - Multi-Lane (Not Limited Access)
  - Other Numbered Highway
  - Major Road, Collector
  - Local Roads
- Water Bodies**
- Water Bodies
- ASSESSMENT RESULTS**
- Preservation Areas
  - Conservation Design Areas
  - Growth Areas



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# Groton Master Plan

## Map 3.5:

### Natural Resource Protection Gaps

March 2011

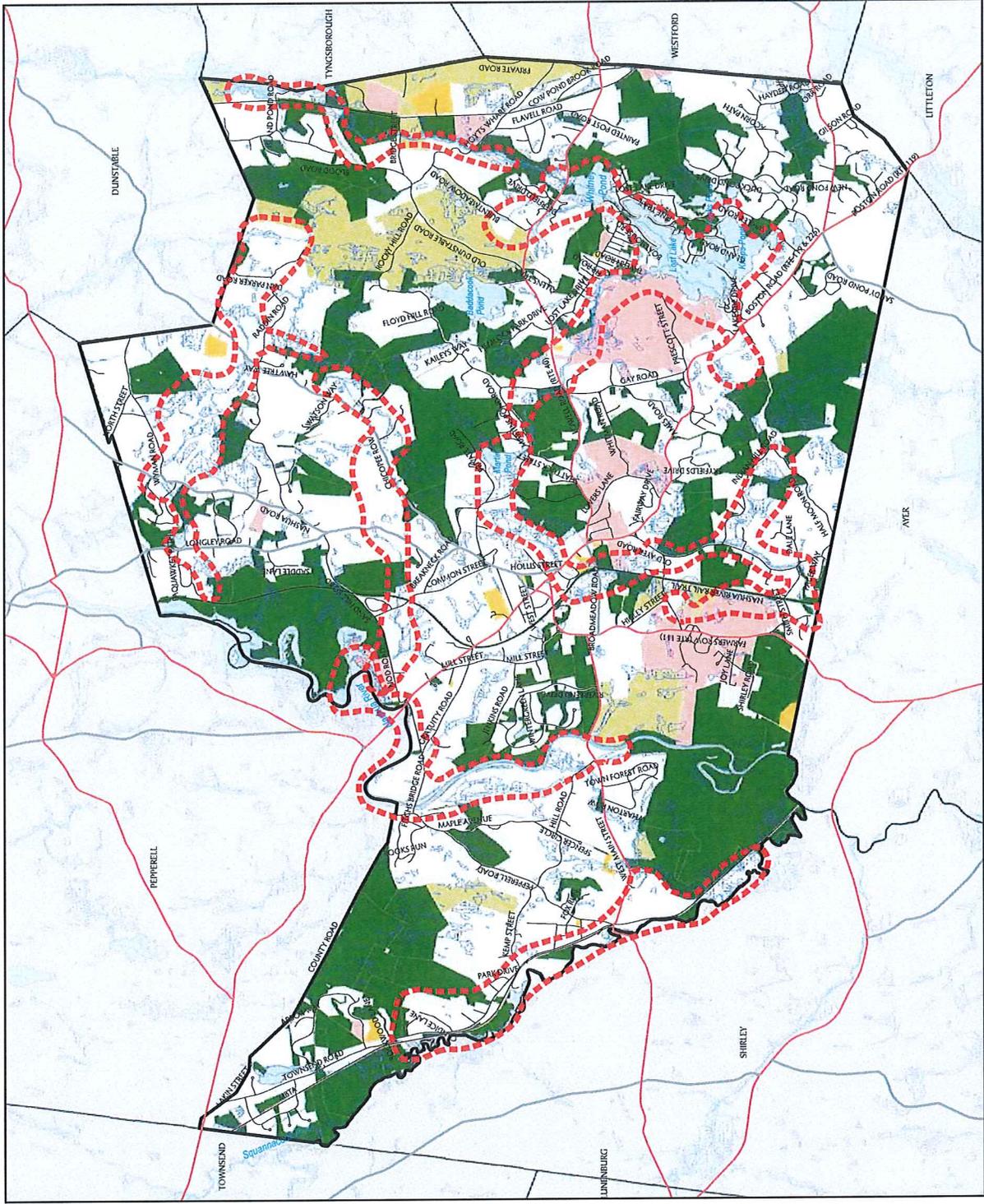
- KEY**
- ROADWAYS**
- Limited Access Highway
  - Multi-Lane (Not Limited Access)
  - Other Numbered Highway
  - Major Road, Collector
  - Local Roads
  - Water Bodies
  - Rivers and Streams
  - Gap Areas
- LEVEL OF OPEN SPACE PROTECTION**
- In Perpetuity
  - Limited or None
  - Undocumented
  - Other Municipal Land



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 Fay, Spofford & Thorndike, Inc.

Data Sources:  
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## **FY22 Community Preservation Proposal – Groton Conservation Commission**

### **ATTACHMENT 2**

Excerpts from 2019 OSRP:

- Cover Page
- Section 8 – Goals and Objectives (Page 101)
- Section 9 – Seven Year Action Plan Update (Pages 102 – 114)
- OSRP Map – Regional Context (Page 130)
- OSRP Map – Unique and Scenic Features (Page 134)
- OSRP Map – Water Resources (Page 135)
- OSRP Map – Inventory of Open Spaces (Page 136)
- OSRP Map – Action Plan (Page 137)



Town of Groton  
2019-2026  
Open Space and Recreation Plan

# Section 8: Goals and Objectives

In this section the overarching goals identified in “Community Vision” (Section 6) are synthesized into specific goals and objectives that will drive the development of more specific recommendations in the “Seven-Year Action Plan” (Section 9). The goals and objectives from the previous *Open Space and Recreation Plan* were revised based on the updated “Analysis of Needs” (Section 7) and input from Town boards and staff and local residents. The following goals and objectives are not listed in rank order.

Goals	Objectives
1. Promote the preservation of important land resources.	<ul style="list-style-type: none"> <li>• Prioritize open space protection.</li> <li>• Strengthen partnerships between Groton Town committees, organizations, institutions, neighboring communities, and state agencies.</li> <li>• Engage the public to support natural resource protection.</li> </ul>
2. Protect water resources.	<ul style="list-style-type: none"> <li>• Prevent disturbance of riparian areas and wetlands and encourage infiltration, water flow.</li> <li>• Prevent or reduce the impact of water pollution from local and regional sources.</li> <li>• Evaluate and implement strategies for surface water quality and invasive plant control.</li> </ul>
3. Promote resiliency to climate change and sustain biological diversity.	<ul style="list-style-type: none"> <li>• Protect wildlife habitat and contiguous greenway corridors.</li> <li>• Ensure that activities and amenities on conservation and recreation lands are compatible with the protection of their resources.</li> <li>• Provide resources for effective open space stewardship.</li> <li>• Promote public awareness of natural resources and ecological issues.</li> <li>• Plan and implement strategies for hazard mitigation.</li> </ul>
4. Support local agriculture.	<ul style="list-style-type: none"> <li>• Secure preservation of priority farmlands.</li> <li>• Facilitate agricultural use of prime farmland.</li> <li>• Promote policies, programs, and economic development tools to support local farms.</li> </ul>
5. Provide recreational opportunities to meet Groton’s needs.	<ul style="list-style-type: none"> <li>• Expand trail linkages to connect recreational areas.</li> <li>• Acquire or reserve additional land for recreational activities.</li> <li>• Develop/improve facilities to support programming and serve future growth areas of town.</li> <li>• Update facilities to improve accessibility for people with disabilities.</li> </ul>
6. Facilitate the shared use of recreation facilities by residents of all ages and interests	<ul style="list-style-type: none"> <li>• Expand recreation programming to provide more variety.</li> <li>• Effectively coordinate and manage recreation areas.</li> <li>• Provide information to the public about passive and active recreation offerings.</li> </ul>
7. Enhance Groton’s community identity through landscape and cultural awareness.	<ul style="list-style-type: none"> <li>• Identify, preserve, commemorate, and promote historic landscapes, sites, and structures.</li> <li>• Increase awareness of Groton’s historic, natural, and community assets.</li> </ul>

# Section 9: Seven-Year Action Plan Update

This action plan builds on the “Goals and Objectives” (Section 8) by developing specific strategies to be completed by responsible parties, and assigning each a timeframe in which to be completed. The actions listed below are essentially steps that need to be taken to accomplish the outlined objectives. The action plan items are organized by goal and objective, corresponding with Section 8. While neither the goals and objectives nor the action items are presented in rank order, the action items in themselves suggest priority actions necessary to achieve each objective. The timeframes provide a sense of the immediacy of each action item. Many of the action items are ongoing in nature and will continue to be addressed from 2019 through 2026.

Appendix A, Map 8 illustrates the Action Plan elements that are geographically specific.

Goal	Objective	Action	Responsible Party	Timeframe
1. Promote the preservation of important land resources.	1.1. Prioritize open space protection	<ul style="list-style-type: none"> <li>• Create and adopt criteria-based ranking system for open space acquisitions.</li> </ul>	Conservation, Park	2020
	Funding sources:	<ul style="list-style-type: none"> <li>• Update prioritized list of parcels to target for acquisition.</li> </ul>	Conservation, Planning, Trails, Greenway	2020
	<ul style="list-style-type: none"> <li>- Volunteer and staff time</li> <li>- CPA Funding</li> <li>- DCS LAND Grant</li> <li>- MA Land &amp; Water Conservation Fund Grant Program</li> <li>- Field Use fees</li> </ul>	<ul style="list-style-type: none"> <li>• Continue to support funding of Conservation Fund to acquire open space and agricultural land through annual CPC application and other means.</li> </ul>	Select Board, Conservation, Community Preservation Committee	Ongoing
		<ul style="list-style-type: none"> <li>• Continue to negotiate for open space preservation during permitting processes.</li> </ul>	Planning, Conservation, Trails	Ongoing
		<ul style="list-style-type: none"> <li>• Identify additional funding for open space acquisition or preservation restrictions.</li> </ul>	Conservation, Greenway	Ongoing
	1.2. Strengthen partnerships	<ul style="list-style-type: none"> <li>• Collaborate with land trusts and Conservation Commissions in adjoining towns, as well as the New England Forestry Foundation, Massachusetts Dept. of Fisheries and Wildlife, and Mass Audubon in land protection efforts.</li> </ul>	Select Board, Conservation	Ongoing
	Funding sources:	<ul style="list-style-type: none"> <li>- Volunteer and staff time</li> <li>- Private donations</li> <li>- State Universities</li> </ul>		

Goal	Objective	Action	Responsible Party	Timeframe
	<ul style="list-style-type: none"> <li>- Public &amp; Private Schools (gifts)</li> </ul>	<ul style="list-style-type: none"> <li>• Continue/expand periodic meetings of environmental and stewardship organizations, institutions, and public entities to share information and facilitate collaboration.</li> </ul>	Conservation, Greenway, various groups	Ongoing
	1.3. Engage the public to support natural resource protection.	<ul style="list-style-type: none"> <li>• Conduct public outreach to support conservation funding and key land acquisitions.</li> </ul>	Select Board, Conservation, Greenway	Ongoing
	Funding sources: <ul style="list-style-type: none"> <li>- Volunteer and staff time</li> <li>- CPA Funding</li> <li>- Local Newspapers (good will)</li> </ul>	<ul style="list-style-type: none"> <li>• Continue to identify priorities for CPA funding, and promote the value of investment in open space and other Town assets through local revenue and state matching funds.</li> </ul>	Community Preservation Commission	Ongoing
		<ul style="list-style-type: none"> <li>• Conduct public events to highlight conservation lands.</li> </ul>	Trails, Conservation, Greenway	Ongoing
		<ul style="list-style-type: none"> <li>• Reach out to owners of priority parcels to identify opportunities for preservation.</li> </ul>	Conservation, Greenway, Park, Agricultural	Ongoing
2. Protect water resources.	2.1. Prevent disturbance of riparian areas and wetlands and encourage infiltration, water flow, and wildlife movement in rivers and streams.	<ul style="list-style-type: none"> <li>• Emphasize acquisition of lands adjacent to wetlands, streams, and water bodies (including 300-foot corridor along rivers and tributaries) and around well sites included in DEP-delineated Zone IIs.</li> </ul>	Water Districts, Conservation, Select Board, Greenway	Ongoing
	Funding sources: <ul style="list-style-type: none"> <li>• Volunteer and staff time</li> <li>• CPA funding</li> <li>• MVP Implementation Grant</li> <li>• Stormwater “Rain” fees</li> <li>• Private donations</li> <li>• In-kind: student projects</li> <li>• NRWA</li> </ul>	<ul style="list-style-type: none"> <li>• Enhance LID regulations and promote stormwater management best practices through consistent regulation, policies, and education.</li> </ul>	Conservation, Planning, Building, Stormwater, Sustainability	Ongoing
		<ul style="list-style-type: none"> <li>• Coordinate with other communities to protect shared water resources.</li> </ul>	Conservation, Water Departments, Greenways	Ongoing
		<ul style="list-style-type: none"> <li>• Provide incentives for farmers to keep natural vegetated buffers along rivers and streams.</li> </ul>	USDA Natural Resources Conservation Service, Conservation	Ongoing
		<ul style="list-style-type: none"> <li>• Consider incentives, education, or advocacy to address unregulated types of activities that might disturb riparian zones.</li> </ul>	Conservation Stormwater, Sustainability, Agricultural	Ongoing

Goal	Objective	Action	Responsible Party	Timeframe	
		<ul style="list-style-type: none"> <li>Evaluate the need for updates to conservation regulations to reflect changes in water flow to streams, wetlands, and ponds.</li> </ul>	Conservation, Health	2022 or Ongoing	
		<ul style="list-style-type: none"> <li>Continue water conservation and education, i.e., odd/even watering.</li> </ul>	Water Districts	Ongoing	
		<ul style="list-style-type: none"> <li>Provide adequate culverts and fish ladders to facilitate wildlife mobility.</li> </ul>	DPW, NRWA	Ongoing	
	2.2. Prevent or reduce the impact of water pollution from local and regional sources.	Funding sources: <ul style="list-style-type: none"> <li>Volunteer and staff time</li> <li>MA Works Development Grant</li> <li>State Revolving Loan Funds for Water &amp; Sewer Infrastructure</li> <li>MassDEP Gap II Grant</li> </ul>	<ul style="list-style-type: none"> <li>Continue to investigate non-point sources of pollution in the Lost Lake/Knops Pond area.</li> </ul>	Great Ponds Advisory Committee, Health, Conservation	Ongoing
			<ul style="list-style-type: none"> <li>Evaluate alternatives for sewerage areas with failed sewage disposal systems.</li> </ul>	Sewer, Health	Ongoing
			<ul style="list-style-type: none"> <li>Continue to monitor landfill closures on the Nashua River and at Cow Pond Brook and consider maintaining as early successional grassland.</li> </ul>	Select Board, Health, Greenway, NRWA	Ongoing
			<ul style="list-style-type: none"> <li>Explore regional approaches to protect groundwater resources.</li> </ul>	Nashua River Watershed Association (NRWA), Conservation, Water Districts	Ongoing
			<ul style="list-style-type: none"> <li>Foster public education about pollution from household chemicals such as lawn treatment or pharmaceuticals, as well as protecting and testing private wells.</li> </ul>	Health, NRWA, Conservation, Water Districts	Ongoing
			<ul style="list-style-type: none"> <li>Encourage development of comprehensive lake management plans for Great Ponds, particularly Lost Lake/ Knops and Baddacook Ponds.</li> </ul>	Select Board, Great Ponds Advisory Committee, Conservation, NRWA	Ongoing
	2.3 Evaluate and implement strategies for water resource surface water quality and invasive plant control.	Funding sources: <ul style="list-style-type: none"> <li>Volunteer and staff time</li> <li>Town</li> <li>NRWA in-kind</li> </ul>	<ul style="list-style-type: none"> <li>Monitor where nutrients are coming from that contribute to aquatic plant overgrowth.</li> </ul>	Great Ponds Advisory Committee, Health, Conservation	Ongoing
			<ul style="list-style-type: none"> <li>Work regionally to improve water quality of the Nashua and Squannacook Rivers and to remove invasive species.</li> </ul>	NRWA, Greenway, Conservation	Ongoing

Goal	Objective	Action	Responsible Party	Timeframe
	<ul style="list-style-type: none"> <li>Groton Lakes Association fundraising</li> </ul>	<ul style="list-style-type: none"> <li>Continue volunteer water quality monitoring program on local streams, rivers, and ponds to provide baseline data on stream health.</li> </ul>	NRWA	Ongoing
		<ul style="list-style-type: none"> <li>Install and maintain boat washes at all formal State and Town boat launches.</li> </ul>	DCR, Conservation	Ongoing
3. Promote resiliency to climate change and sustain biological diversity.	3.1. Protect wildlife habitat and contiguous greenway corridors.	<ul style="list-style-type: none"> <li>Identify likely wildlife corridors and prioritize habitat value for open space acquisition.</li> </ul>	Conservation, Groton Conservation Trust, NHESP, Greenway	Ongoing
	Funding sources:	<ul style="list-style-type: none"> <li>Continue to acquire and link land along the Nashua and Squannacook Rivers and other identified wildlife corridors.</li> </ul>	NRWA, Greenway, Conservation, Trails	Ongoing
	<ul style="list-style-type: none"> <li>Volunteer and staff time</li> <li>CPA funding</li> <li>MA Wildlife Habitat Grant</li> <li>Private donations</li> <li>NRCS (for private lands bordering open spaces)</li> <li>Garden Club Federation of MA</li> <li>College/Student projects</li> <li>Neighborhood donations</li> </ul>	<ul style="list-style-type: none"> <li>Work with land trusts and institutions to obtain CR's to permanently protect critical biodiversity or resource protection value.</li> </ul>	Conservation	Ongoing
		<ul style="list-style-type: none"> <li>Investigate the protection of Massapoag Pond's shore line in Groton and Dunstable.</li> </ul>	Conservation	Ongoing
		<ul style="list-style-type: none"> <li>Work with surrounding communities to preserve areas adjoining The Throne (including Old County Road), Reedy Meadow, and Nashua River.</li> </ul>	Conservation, Trails	Ongoing
		<ul style="list-style-type: none"> <li>Perform a wildlife and flora inventory for conservation parcels.</li> </ul>	Conservation	Ongoing
		<ul style="list-style-type: none"> <li>Develop and implement sustainable management and stewardship plans for conservation parcels based on resources and species present.</li> </ul>	Conservation, Trails	Ongoing
		<ul style="list-style-type: none"> <li>Continue notifying development applicants of the presence of Priority Habitat of Rare Species on their property.</li> </ul>	Conservation, Building Inspector, Planning	Ongoing
		<ul style="list-style-type: none"> <li>Work with partners such as NRWA, Merrimack River Watershed Council, NHESP to inventory, analyze, monitor, and protect habitat areas.</li> </ul>	Greenway Committee, Conservation	Ongoing

Goal	Objective	Action	Responsible Party	Timeframe
		<ul style="list-style-type: none"> <li>Implement strategies for removing or controlling specific invasive species.</li> </ul>	Invasive Species Committee, Conservation, Agricultural, Park, Garden Club	2021
		<ul style="list-style-type: none"> <li>Foster education through various avenues to encourage public participation in controlling invasive species on both private properties and conservation lands.</li> </ul>	Invasive Species Committee, Conservation, Agricultural, Park	Ongoing, but more needed
	3.2. Ensure that activities and amenities on conservation and recreation lands are compatible with the protection of their resources.	<ul style="list-style-type: none"> <li>Implement a conservation and recreation sign program to improve access and appropriate usage.</li> </ul>	Conservation, Trails	Ongoing
	Funding sources: <ul style="list-style-type: none"> <li>Volunteer and staff time</li> <li>Town</li> <li>In-kind: student projects</li> </ul>	<ul style="list-style-type: none"> <li>Coordinate with state and conservation organizations on trail management and usage policies.</li> </ul>	Conservation, Town Forest Committee, GCT, NEFF, DCR, MassAudubon	Ongoing
		<ul style="list-style-type: none"> <li>Monitor conservation, recreation, and conservation-restricted parcels for encroachment and abuse; consider establishing new Monitoring Committee</li> </ul>	Conservation, Town Forest Committee, Parks, DCR	Ongoing
		<ul style="list-style-type: none"> <li>Identify and mark boundaries of conservation parcels for purposes of enforcement and stewardship.</li> </ul>	Conservation	Ongoing
		<ul style="list-style-type: none"> <li>Manage inappropriate use of public trails by motorized vehicles using public education, signage, and enforcement techniques.</li> </ul>	Conservation, Trails, Groton Conservation Trust, Town Forest, Park, New England Forestry Foundation, Greenways Committee, DCR, Audubon, Police	Ongoing
		<ul style="list-style-type: none"> <li>Consider state BioMap identifying Core Habitat and Supporting Landscapes when planning for stewardship or for recreational or other usage.</li> </ul>	Conservation, Stewardship sub-committee	Ongoing
		<ul style="list-style-type: none"> <li>Investigate methods of reducing fertilizer use on recreation fields and golf course.</li> </ul>	Park, Country Club	Ongoing
		<ul style="list-style-type: none"> <li>Pursue sustainable forestry activities on Town-owned lands</li> </ul>	Conservation, Water Dept., Town Forest Committee, NEFF	Ongoing

Goal	Objective	Action	Responsible Party	Timeframe
		<ul style="list-style-type: none"> <li>Consider signage and trail marking to re-direct hikers around sensitive wetland or wildlife resource areas.</li> </ul>	Conservation, Trails	Ongoing
		<ul style="list-style-type: none"> <li>Promote best practices for all types of landowners for landscaping in ecologically sensitive areas. Educate &amp; inform townspeople of need to reduce fertilizers &amp; chemicals on lawns</li> </ul>	Conservation, Park, Garden Club, Stormwater, GCC, BOH	Ongoing
	3.3. Provide resources for effective open space and water resource stewardship.	<ul style="list-style-type: none"> <li>Consider establishment of a Stewardship Committee.</li> </ul>	Conservation, Park	2020
	Funding sources:	<ul style="list-style-type: none"> <li>Expand volunteer stewardship program, making available appropriate training and equipment.</li> </ul>	Conservation	Ongoing
	<ul style="list-style-type: none"> <li>Volunteer and staff time</li> <li>Athletic field user groups</li> <li>Other private donations</li> <li>MA Wildlife Habitat Grant</li> <li>CPA Funding</li> </ul>	<ul style="list-style-type: none"> <li>Continue working with Park/DPW on periodic maintenance of Town conservation land.</li> </ul>	Conservation, Park, DPW	Ongoing
		<ul style="list-style-type: none"> <li>Investigate staffing needs for management, maintenance, and administration; identify specific roles for which additional staff support is needed.</li> </ul>	Select Board, Conservation	Ongoing
		<ul style="list-style-type: none"> <li>Continue coordination between Groton Town committees, organizations, institutions, neighboring communities, and state agencies.</li> </ul>	Select Board, Conservation, Trails, Greenway, Sustainability, Groton Conservation Trust	Ongoing
		<ul style="list-style-type: none"> <li>Consider the formation of neighborhood or homeowners association stewardship groups as part of the Planning Board permitting process.</li> </ul>	Conservation, Planning	Ongoing
		<ul style="list-style-type: none"> <li>Investigate funding opportunities for restoration or management of conservation lands, such as MassWildlife or CPA.</li> </ul>	Conservation	Ongoing

Goal	Objective	Action	Responsible Party	Timeframe
		<ul style="list-style-type: none"> <li>Develop and maintain a detailed database of conservation lands and priority open space parcels, including resource value, management plans, regulatory issues, recorded restrictions, or other information that can support stewardship, monitoring, and capital planning.</li> </ul>	Conservation	1919
	3.4. Promote public awareness of natural resources and ecological issues.	<ul style="list-style-type: none"> <li>Conduct outreach through local institutions, organizations and social groups to share information and promote best practices.</li> </ul>	Conservation, Stormwater, Library, various organizations	Ongoing
	Funding sources: <ul style="list-style-type: none"> <li>Volunteer and staff time</li> <li>Town</li> <li>Boy Scouts</li> <li>Local Newspapers (in-kind)</li> </ul>	<ul style="list-style-type: none"> <li>Post interpretive signs and kiosks, and use media such as internet, newspaper, and brochures to inform people about resources and policies.</li> </ul>	Conservation, Trails, Stormwater, Park	Ongoing
		<ul style="list-style-type: none"> <li>Host guided hikes and other public events.</li> </ul>	Trails, Conservation, Greenway, NRWA	Ongoing
		<ul style="list-style-type: none"> <li>Recruit volunteers for citizen science and stewardship programs.</li> </ul>	Conservation, Park, NRWA, NEFF, GCT, Trails	Ongoing
		<ul style="list-style-type: none"> <li>Support efforts to provide environmental education for children and adults through schools or other organizations.</li> </ul>	Conservation, Lawrence Academy, Groton School, GDR School District	Ongoing
	3.5. Plan and implement strategies for hazard mitigation.	<ul style="list-style-type: none"> <li>Coordinate implementation of regional hazard mitigation plan</li> </ul>	MRPA, Emergency Management	Ongoing
	Funding sources: <ul style="list-style-type: none"> <li>Volunteer and staff time</li> <li>MVP Implementation Grant</li> </ul>	<ul style="list-style-type: none"> <li>Monitor threats to forested areas from insects, blights, drought, or flooding which might result in large-scale damage. Consider in stewardship planning.</li> </ul>	Conservation, Invasive Species, various organizations and state entities, stewards, DPW	Ongoing
		<ul style="list-style-type: none"> <li>Undertake local planning to protect and mitigate impacts from wildfires, drought, flooding, and hazardous waste sites.</li> </ul>	Fire, Health, Emergency Management	Ongoing
4. Support local agriculture.	4.1. Secure preservation of priority farmlands.	<ul style="list-style-type: none"> <li>Assess whether there is a need to update the Town's Ch. 61 Right-of-First Refusal response assignment procedure.</li> </ul>	Select Board, Conservation, Agricultural, Planning, Assessors	2019

Goal	Objective	Action	Responsible Party	Timeframe
	Funding sources: <ul style="list-style-type: none"> <li>Volunteer and staff time</li> </ul>	<ul style="list-style-type: none"> <li>Identify and prioritize important agricultural parcels to preserve for future farmers.</li> </ul>	Conservation, Agricultural Commission	Ongoing
	4.2. Facilitate agricultural use of prime farmland	<ul style="list-style-type: none"> <li>Encourage participation in Ch. 61 special use tax program.</li> </ul>	Conservation, Greenway, Agricultural	Ongoing
	Funding sources: <ul style="list-style-type: none"> <li>Volunteer and staff time</li> <li>CPA/Town funding</li> <li>School Projects</li> <li>NRCS Grants</li> <li>USDA Grants</li> <li>Sustainable Agriculture Research &amp; Education</li> </ul>	<ul style="list-style-type: none"> <li>Support sustainable agricultural activities, including licenses, on cleared conservation land suitable for farming.</li> </ul>	Conservation, Agricultural, Sustainability	Ongoing
		<ul style="list-style-type: none"> <li>Develop and maintain inventory of agricultural land that may be available for sale or lease, to assist farmers in locating opportunity sites.</li> </ul>	Agricultural, Conservation	2020
		<ul style="list-style-type: none"> <li>Encourage the establishment of community gardens; identify appropriate sites on Town-owned land.</li> </ul>	Planning, ZBA	Ongoing
	4.3. Promote policies, programs, and economic development tools to support local farms.	<ul style="list-style-type: none"> <li>Encourage Community Supported Agriculture (CSA) and Farm-to-Table program.</li> </ul>	Select Board, Agricultural	Ongoing
		<ul style="list-style-type: none"> <li>Continue to support, expand, and promote the Farmer's Market.</li> </ul>	Williams Barn Committee, Agricultural	Ongoing
	Funding sources: <ul style="list-style-type: none"> <li>Volunteer and staff time</li> <li>Fees</li> </ul>	<ul style="list-style-type: none"> <li>Support education and demonstration programs to encourage and improve agricultural practices.</li> </ul>	Agricultural, Sustainability, Grange	Ongoing
5. Provide recreational facilities to meet Groton's needs.	5.1. Expand trail linkages to connect recreational areas.	<ul style="list-style-type: none"> <li>Identify areas that would help to complete the Town's trail system; and explore options for obtaining Town ownership of 40-foot trail corridors through development permitting.</li> </ul>	Trails, Conservation, Planning	Ongoing
	Funding sources: <ul style="list-style-type: none"> <li>Volunteer and staff time</li> <li>CPA funding</li> <li>MassDCR Recreational Trails Grant</li> <li>Private funding</li> </ul>	<ul style="list-style-type: none"> <li>Map trails that could be used as linkages to open space and gain permission for their use.</li> </ul>	Trails, Conservation	Ongoing
		<ul style="list-style-type: none"> <li>Consider old railroad bed lines to link with adjoining communities.</li> </ul>	Trails, Conservation, Dunstable Rural Land Trust and Conservation Commission, YMCA	Ongoing

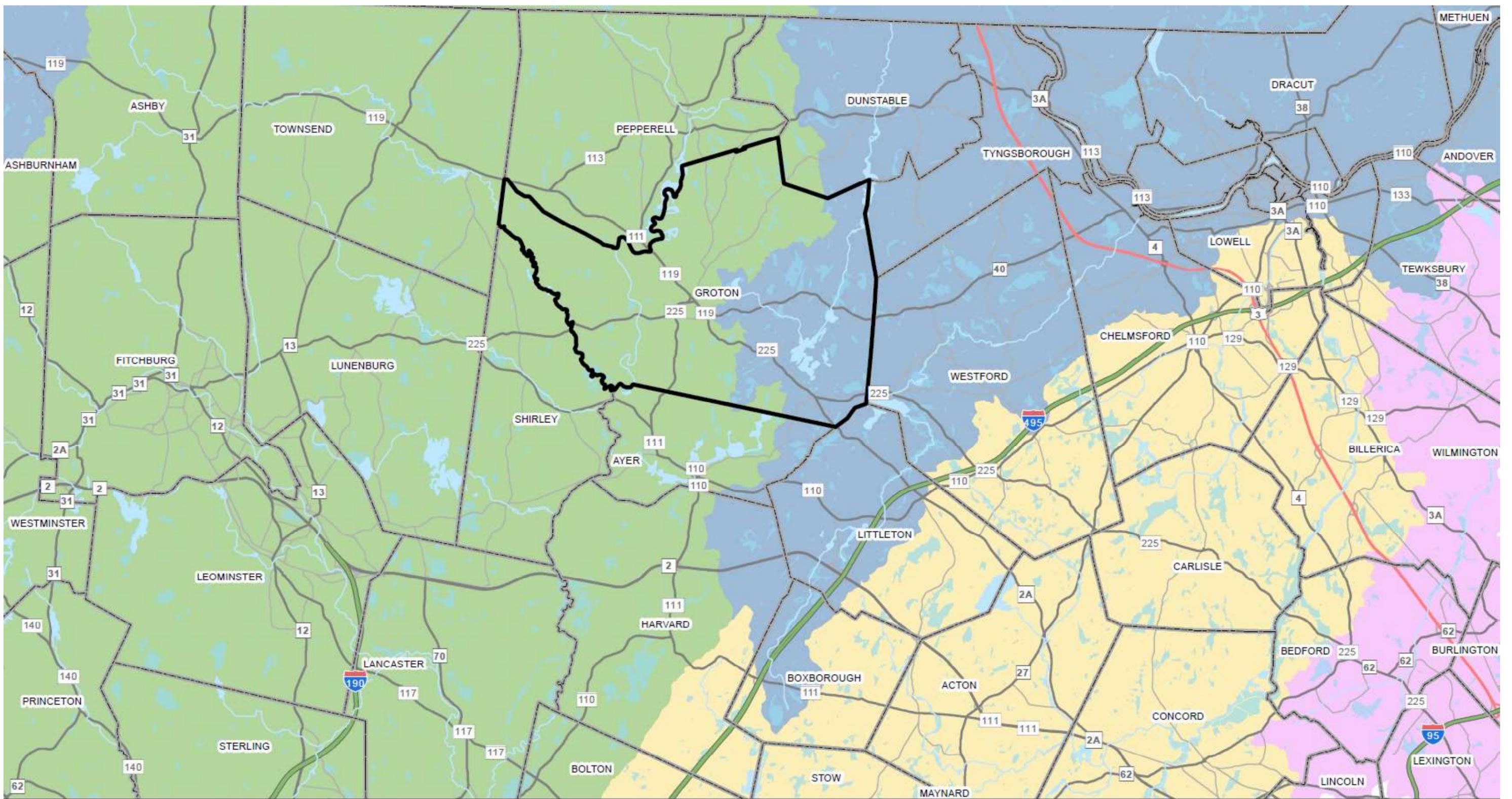
Goal	Objective	Action	Responsible Party	Timeframe
	<ul style="list-style-type: none"> <li>Friends of Groton Elders</li> </ul>	<ul style="list-style-type: none"> <li>Explore developing a river walk along the Nashua and Squannacook Rivers.</li> </ul>	Select Board, NRWA, Greenway, Trails, Park, Conservation, Planning	Ongoing
		<ul style="list-style-type: none"> <li>Provide information to the public about potential links and trail improvements to encourage support and cooperation.</li> </ul>	Trails, Conservation	Ongoing
	5.2. Acquire or reserve additional land for recreational activities. <hr/> Funding sources: <ul style="list-style-type: none"> <li>Volunteer and staff time</li> <li>CPA Funding</li> <li>Private fundraising</li> <li>Parkland Acquisitions and Renovations for Communities (PARC) Grant Program</li> </ul>	<ul style="list-style-type: none"> <li>Evaluate existing Town-owned parcels to determine if there are sites that would be feasible and appropriate to convert to active recreational uses.</li> </ul>	Park, Conservation, Select Board	Ongoing
		<ul style="list-style-type: none"> <li>Request dedication of land and/or provision of recreation facilities by private developers when permitting larger development projects.</li> </ul>	Park, Planning	Ongoing
		<ul style="list-style-type: none"> <li>Acquire additional land for active recreation fields.</li> </ul>	Select Board, Park	Ongoing
	5.3. Develop/Improve facilities to support programming and serve future growth areas of town. <hr/> Funding sources: <ul style="list-style-type: none"> <li>Volunteer and staff time</li> <li>Private fundraising</li> <li>CPA/Town funding</li> <li>Community fundraising groups</li> </ul>	<ul style="list-style-type: none"> <li>Identify specific facilities and improvements needed to support the demand for athletic fields, courts, and recreational programs.</li> </ul>	Park	Ongoing
		<ul style="list-style-type: none"> <li>Target population and growth areas for development of neighborhood recreation facilities (Lost Lake, West Groton).</li> </ul>	Park, Planning	Ongoing
		<ul style="list-style-type: none"> <li>Install artificial turf on additional fields to increase their capacity for use.</li> </ul>	Select Board, Park, GDR School District	2024
		<ul style="list-style-type: none"> <li>Add irrigation systems, lighting or other improvements to Town fields without them.</li> </ul>	Park, DPW	Ongoing
		<ul style="list-style-type: none"> <li>Explore partnerships and other funding opportunities for recreation facilities improvements.</li> </ul>	Park, GDRSD, Groton School, Lawrence Academy, Country Club, Grotonwood	Ongoing

Goal	Objective	Action	Responsible Party	Timeframe
		<ul style="list-style-type: none"> <li>Identify appropriate location for seasonal skating rink</li> </ul>	Park	2020
		<ul style="list-style-type: none"> <li>Explore alternatives to expand swimming or other water-based recreation opportunities.</li> </ul>	Recreation	Ongoing
	<p>5.4. Update facilities to improve accessibility for people with disabilities.</p> <hr/> <p>Funding sources:</p> <ul style="list-style-type: none"> <li>Volunteer and staff time</li> <li>CPA funding</li> <li>Private fundraising</li> <li>Municipal ADA Improvement Grant</li> <li>Establish dedicated ADA fund.</li> </ul>	<ul style="list-style-type: none"> <li>Incorporate Section 504 recommendations into capital improvements for Town recreation and conservation properties, as well as school associated facilities and complete.</li> </ul>	Select Board, School, Commission on Accessibility	Ongoing
		<ul style="list-style-type: none"> <li>Identify additional areas to provide accessible trails, picnic areas, and recreational opportunities that can be used by people with disabilities.</li> </ul>	Trails, Parks, Commission on Accessibility, Seven Hills Foundation	Ongoing
6. Facilitate the shared use of recreation facilities by residents of all ages and interests	<p>6.1. Expand recreational programming to provide more variety.</p> <hr/> <p>Funding sources:</p> <ul style="list-style-type: none"> <li>Volunteer and staff time</li> <li>Fees</li> <li>Town</li> </ul>	<ul style="list-style-type: none"> <li>Identify recreational activities that are desired by residents which could be provided or expanded.</li> </ul>	Park, Country Club, GDRSD	Ongoing
		<ul style="list-style-type: none"> <li>Identify venues for developing new recreational programs among existing committees, departments, or organizations.</li> </ul>	Park, Select Board, GDRSD, Friends of Prescott, Council on Aging, Library	Ongoing
		<ul style="list-style-type: none"> <li>Continue relationships with private schools, regional school district, Council on Aging, and other entities to support use of facilities.</li> </ul>	Select Board, Park	Ongoing
		<ul style="list-style-type: none"> <li>Establish capacity to recruit and coordinate volunteers to support recreational programming, trail management, stewardship, and other community needs.</li> </ul>	Park, Trails	Ongoing

Goal	Objective	Action	Responsible Party	Timeframe
		<ul style="list-style-type: none"> <li>Evaluate whether additional staff capacity is needed, under an existing department or through reinstatement of a recreation department, to facilitate recreational programming, and/or volunteer coordination.</li> </ul>	Select Board, Town Manager, Park	2021
	6.2. Effectively coordinate and manage recreational areas.	<ul style="list-style-type: none"> <li>Evaluate staffing needs for park and recreation maintenance and administration.</li> </ul>	Select Board, DPW, Park	2021
	Funding sources: <ul style="list-style-type: none"> <li>Volunteer and staff time</li> <li>Fees</li> </ul>	<ul style="list-style-type: none"> <li>Consider process for capital planning for recreational facilities with community input.</li> </ul>	Select Board, Park	Ongoing
		<ul style="list-style-type: none"> <li>Investigate potential for establishing private management entities for other parks similar to Hazel Grove Association.</li> </ul>	Park	Ongoing
	6.3. Provide information to the public about passive and active recreation offerings.	<ul style="list-style-type: none"> <li>Integrate list and locations of conservation areas and Town trails maps on Town website. Provide information about facilities such as handicapped accessibility and picnic tables, and policies with respect to dog walking, hunting, or other activities.</li> </ul>	Conservation, Trails, website	Ongoing
	Funding sources: <ul style="list-style-type: none"> <li>Volunteer and staff time</li> </ul>	<ul style="list-style-type: none"> <li>Conduct public outreach for recreation areas and resources; publicize resources such as <a href="http://www.grotontrails.org">www.grotontrails.org</a></li> </ul>	Conservation, Trails	Ongoing
7. Enhance Groton's community identity.	7.1. Identify, preserve, and commemorate historic landscapes, sites, and structures.	<ul style="list-style-type: none"> <li>Install interpretive signs describing historic elements of parks, conservation lands, and other public spaces.</li> </ul>	Conservation, Parks, Historic (three groups)	2021
	Funding sources: <ul style="list-style-type: none"> <li>Volunteer and staff time</li> </ul>	<ul style="list-style-type: none"> <li>Support community events commemorating Groton's heritage.</li> </ul>	Williams Barn, Cultural Council, Commemorations	Ongoing

Goal	Objective	Action	Responsible Party	Timeframe
	<ul style="list-style-type: none"> <li>Volunteer and staff time</li> <li>Town</li> <li>Private fundraising</li> <li>CPA Funding</li> <li>Freedom's Way</li> <li>MA Preservation Projects Fund</li> </ul>	<ul style="list-style-type: none"> <li>Identify and preserve archeological and historic sites.</li> </ul>	Conservation, Historic groups, Planning	Ongoing
	<p>7.2. Increase awareness of Groton's natural, cultural, and community assets.</p> <hr/> <p>Funding sources:</p> <ul style="list-style-type: none"> <li>Volunteer and staff time</li> <li>Town</li> <li>Private Fundraising</li> <li>Freedom's Way</li> </ul>	<ul style="list-style-type: none"> <li>Construct a centrally-located kiosk with a map of popular attractions and brochures with more information about what to see/do in Groton.</li> </ul>	Business Association, Trails, Historic Commission	2024
		<ul style="list-style-type: none"> <li>Post way-finding resources (maps, brochures, etc.) in public places such as Library and Town Hall.</li> </ul>	Business Association, Trails, Historic Commission	2024
		<ul style="list-style-type: none"> <li>Develop and maintain a website and/or brochure locating recreation, historic, cultural and natural resources, as well as local businesses.</li> </ul>	Conservation, Planning, Trails, Historic Commission, Business Association	Ongoing
		<ul style="list-style-type: none"> <li>Improve portal for visitor information and maps on Town website.</li> </ul>	IT, Trails, Conservation, Historic	2020
		<ul style="list-style-type: none"> <li>Consider self-guided bike tours to highlight interesting areas.</li> </ul>	Complete Streets	Ongoing
		<ul style="list-style-type: none"> <li>Identify state resources and/or local institutional partners to support ecotourism marketing efforts.</li> </ul>	Select Board, Conservation, Rotary Club, Groton Business Association, Economic Development Committee, MRPC, Freedom's Way, National Park Service	Ongoing
		<ul style="list-style-type: none"> <li>Maintain a regular program of conservation walks and talks to encourage familiarity with available conservation land.</li> </ul>	Conservation, Trails, Prescott	Ongoing
		<ul style="list-style-type: none"> <li>Coordinate with organizations and groups to support educational programming and events pertaining to Groton's natural and cultural assets.</li> </ul>	Conservation, NRWA, Library, Friends of Prescott, Grange, History Center, others	Ongoing

Goal	Objective	Action	Responsible Party	Timeframe
		<ul style="list-style-type: none"> <li>Establish a portal for information about organizations, Town committees, civic groups, and volunteer opportunities, consider establishing an annual event to recognize volunteers.</li> </ul>	Council on Aging, GDRSD, Town Clerk, Library, others?	2022
		<ul style="list-style-type: none"> <li>Provide welcome packet and/or orientation program to enable newcomers to connect with local activities and volunteer opportunities.</li> </ul>	Economic Development Committee, Voter Registration	Ongoing



0 1.25 2.5 5 Miles

Disclaimer:  
Map is for planning purposes only and is not intended for official use.  
Data Sources:  
Community Opportunities Group, Inc. MassGIS,  
Town of Groton.  
Prepared by: Courtney Starling 10/9/18

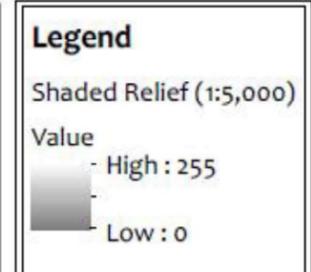
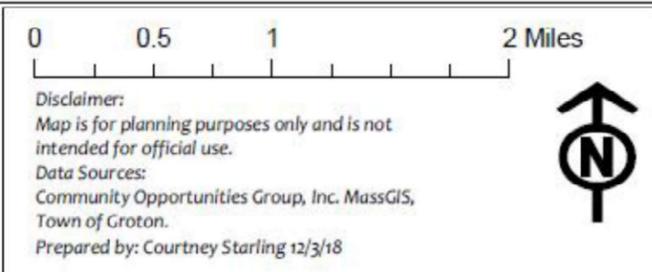
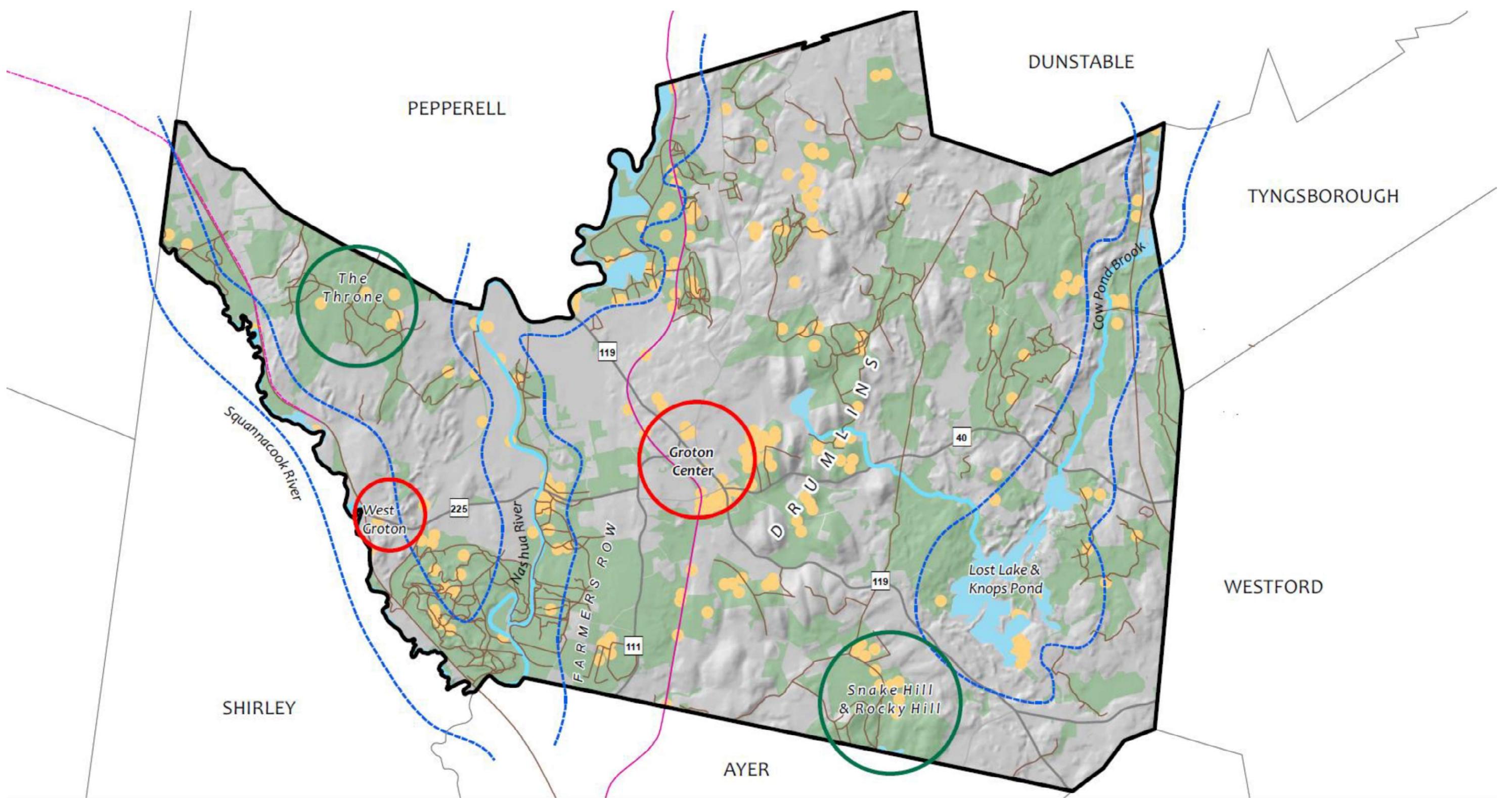
**Major Hydrography**

- Rivers and Streams
- Lakes and Ponds

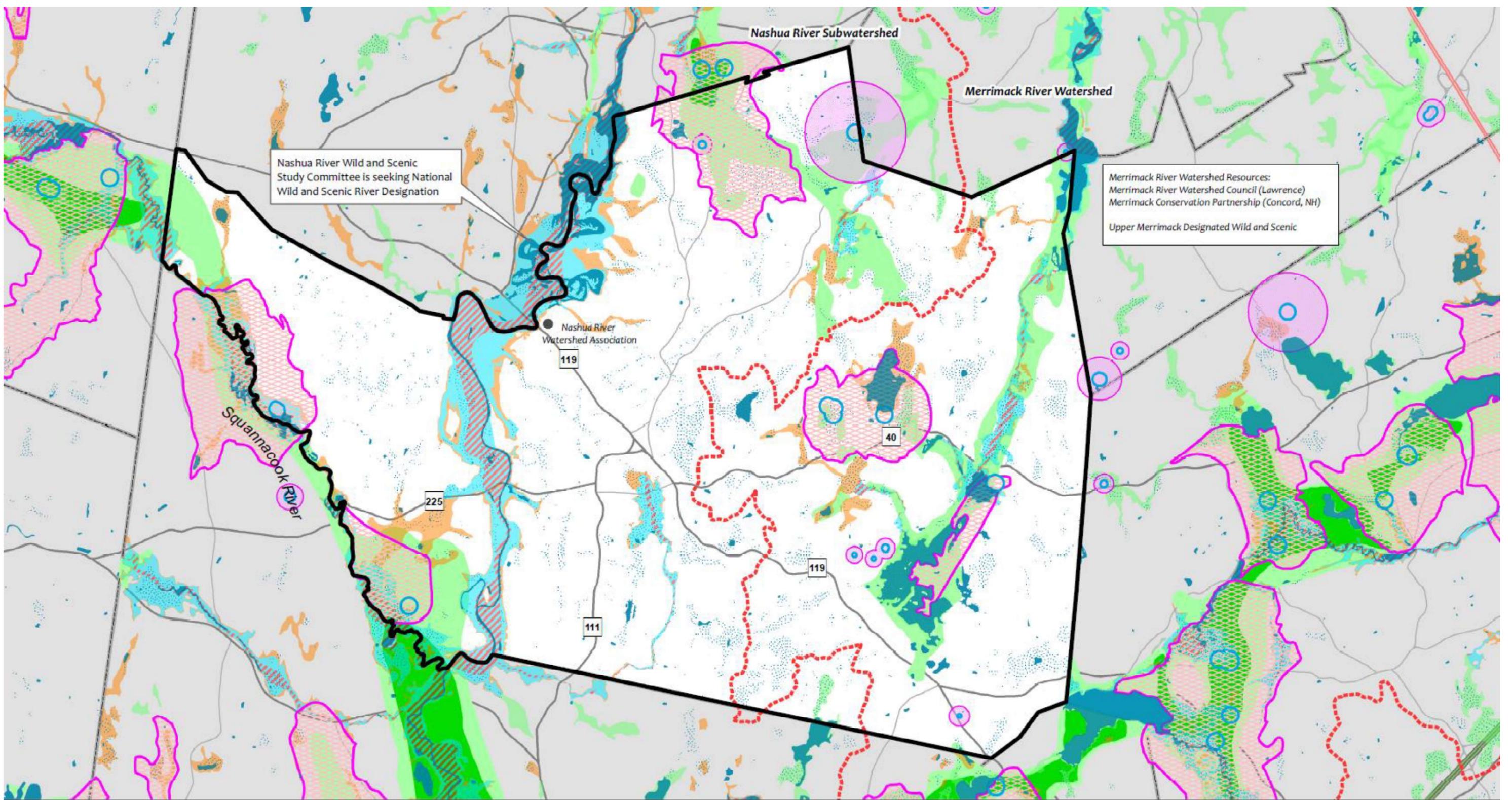
**Watershed**

- Concord
- Merrimack
- Nashua
- Shawsheen

**Groton Open Space & Recreation Plan 2019-2026**  
**Map 1: Regional Context**



**Groton Open Space & Recreation Plan 2019-2026**  
**Map 5: Unique and Scenic Features**



0 0.5 1 2 Miles

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 Town of Groton.  
 Prepared by: Courtney Starling 12/3/18



**Flood Zone Designations**

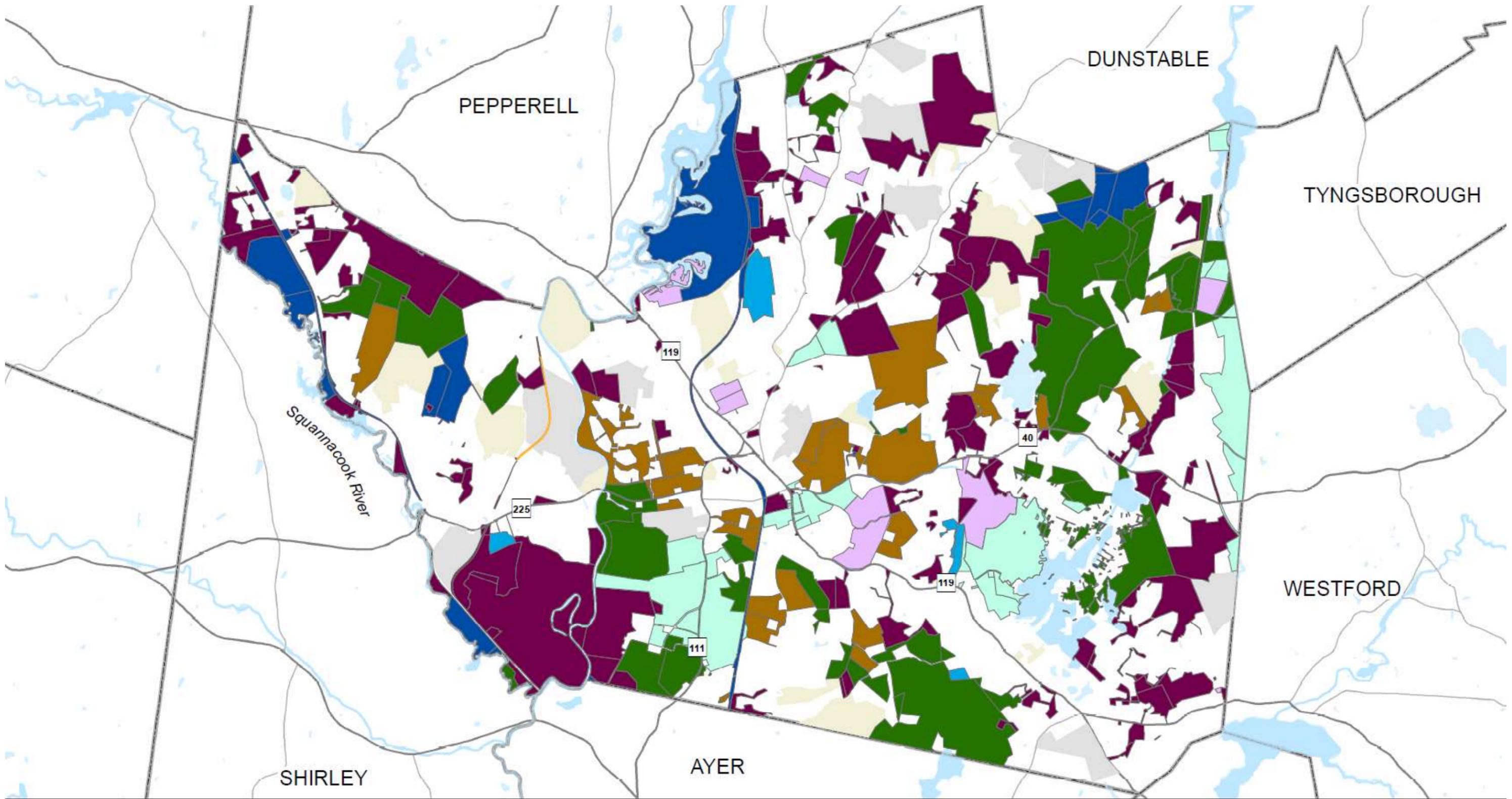
- A: 1% Annual Chance of Flooding, no BFE
- AE: 1% Annual Chance of Flooding, with BFE
- AE: Regulatory Floodway
- X: 0.2% Annual Chance of Flooding

**Wellhead Protection Areas**

- DEP Approved Zone I
  - DEP Approved Zone II
  - IWPA
- Aquifers**
- High Yield
  - Medium Yield

- Watershed Boundary
- Surface Waters
- Wetlands

**Groton Open Space & Recreation Plan**  
 2019-2026  
**Map 6: Water Resources**



0 0.5 1 2 Miles

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 Data Sources:  
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 Town of Groton.  
 Prepared by: Courtney Stirling 12/3/18

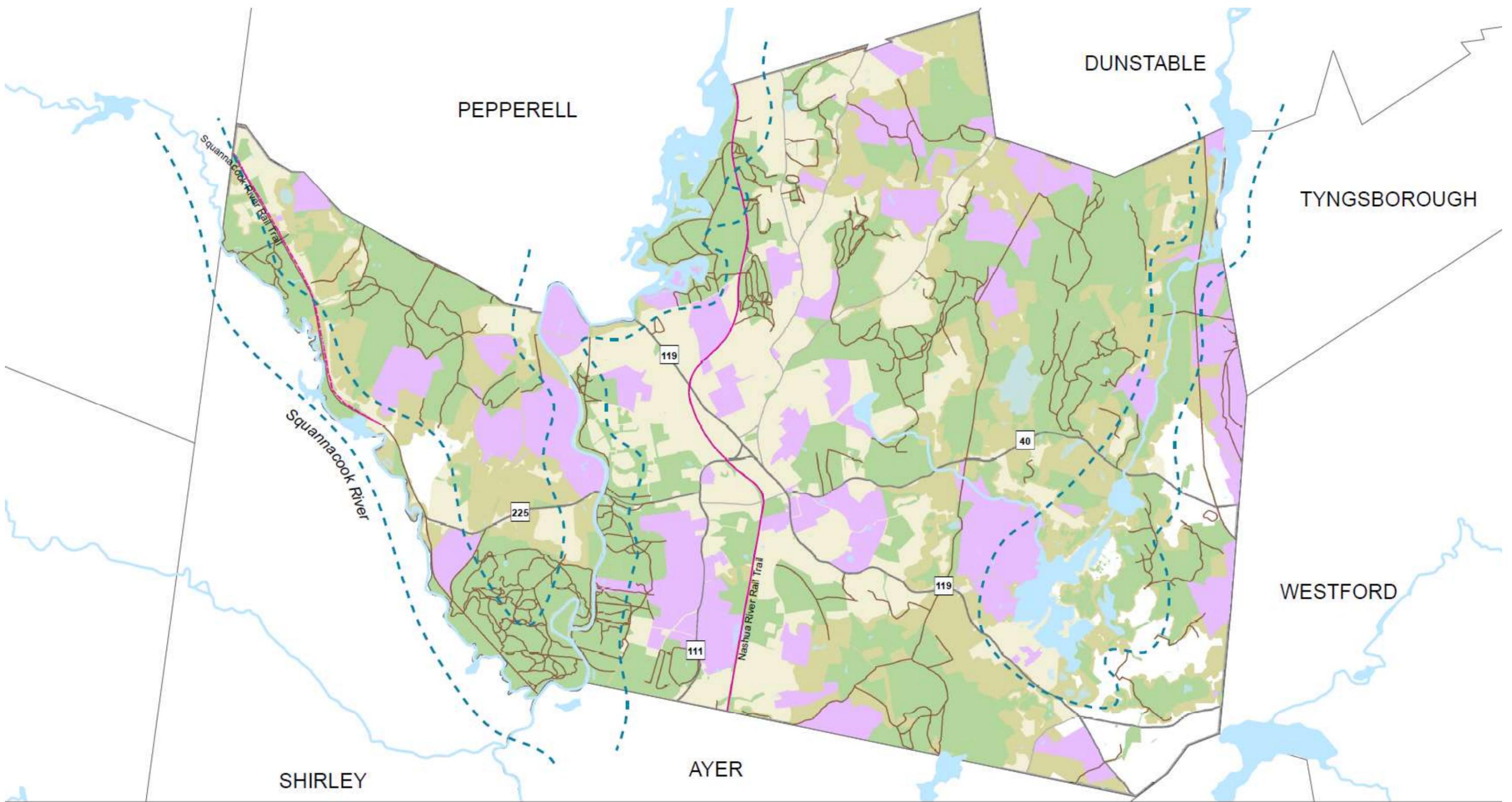


- State Protected
- Municipal Protected
- Nonprofit
- Institutional Protected
- Private Protected

- Municipal Unprotected
- Institutional Unprotected
- Private Unprotected
- Ch. 61, 61A, 61B
- Parcels larger than 50 acres

## Groton Open Space & Recreation Plan 2019-2026

### Map 7: Inventory of Open Spaces



0 0.5 1 2 Miles

Disclaimer:  
Map is for planning purposes only and is not intended for official use.

Data Sources:  
Community Opportunities Group, Inc. MassGIS,  
Town of Groton.

Prepared by: Courtney Starling 12/3/18



- Improve stewardship of protected open space
- Identify opportunities for permanent protection
- Prioritize parcels for open space protection
- Encourage low impact design and natural resource protection
- Protect Riparian Corridors

**Groton Open Space & Recreation Plan 2019-2026**  
**Map 8: Action Plan**

### **ATTACHMENT 3**

#### **GROTON CONSERVATION COMMISSION – COMMUNITY PRESERVATION APPLICATION MANAGEMENT PLAN FOR LAND PROTECTION**

##### **SELECT PROPERTY**

Based on the criteria outlined in the CPC application (parcels that link with contiguous protected open space, parcels that protect and preserve a greenway along the Nashua and Squannacook Rivers and tributaries, parcels where significant wildlife habitat or corridors have been identified, or parcels that preserve a sense of Groton's agricultural heritage), the Conservation Commission will evaluate the merits of each opportunity and, by majority vote, select an appropriate parcel

##### **DETERMINE WILLINGNESS OF THE SELLER**

Occasionally a landowner will approach the Commission or the Groton Conservation Trust with an interest in doing something that would protect his or her land from future development. At other times, the Commission becomes aware that a significant parcel is on the market or the Town is notified of its right to first refusal on a parcel under the M.G.L. Ch. 61 tax program. The Groton Conservation Trust is also a source of information on important parcels.

##### **IDENTIFY SUPPLEMENTAL FUNDING ALTERNATIVES**

The Conservation Commission identifies appropriate Federal and State supplemental funding sources, i.e., Forest Legacy, Land Acquisitions for Natural Diversity (LAND) Program, Community Partnership, and Source Water Protection grants. Nearly all grants require a local match and/or strong partnership with like-minded conservation organizations. The funding match may be available through the Conservation Fund, the Community Preservation open space monies, and/or a Town Meeting vote.

##### **OBTAIN PROPERTY APPRAISALS**

With landowner consent, obtain bids for appraisal(s) after providing deed, assessors' records and maps, as well as applicable zoning and wetland regulations. The cost of individual appraisals is likely to be between \$3,000 and \$5,000, depending on the size and complexity of the project. Many supplemental funding sources require property appraisals as part of the application process. Coordinate with Town Counsel and Board of Selectmen to research deeds and obtain warrant articles as required by state LAND Program or other supplemental funding organizations.

##### **RECEIVE CPC APPROVAL/TOWN MEETING VOTE**

As required, make presentation at Town Meeting in support of required warrant articles.

WRITE GRANT PROPOSAL, IF APPLICABLE, for supplemental funding. Acquisition of property may include survey and legal consultants to prepare a purchase and sales agreement or do title research. The Conservation Fund can be the source of funding. To protect acquired land in perpetuity, the land must be subject to Ch. 40 §8C, the Conservation Commission Act, which is reflected in the deed to be recorded at the Middlesex Registry of Deeds. To qualify for state grants, the parcel's title must be certified by Town Counsel.

#### PROJECT MANAGEMENT

The Conservation Administrator or other person (s) designated by the Conservation Commission maintains a database on the property that includes the deed, description of the flora and fauna or other significant natural features, management objectives, installation of signing or parking as appropriate, and specific management tasks. With LAND grants, the Town is required to prepare a Baseline Documentation Report and Land Management Plan for individual parcels. On land having a Conservation Restriction, it is necessary to perform on-going monitoring activities to assure there is no encroachment.