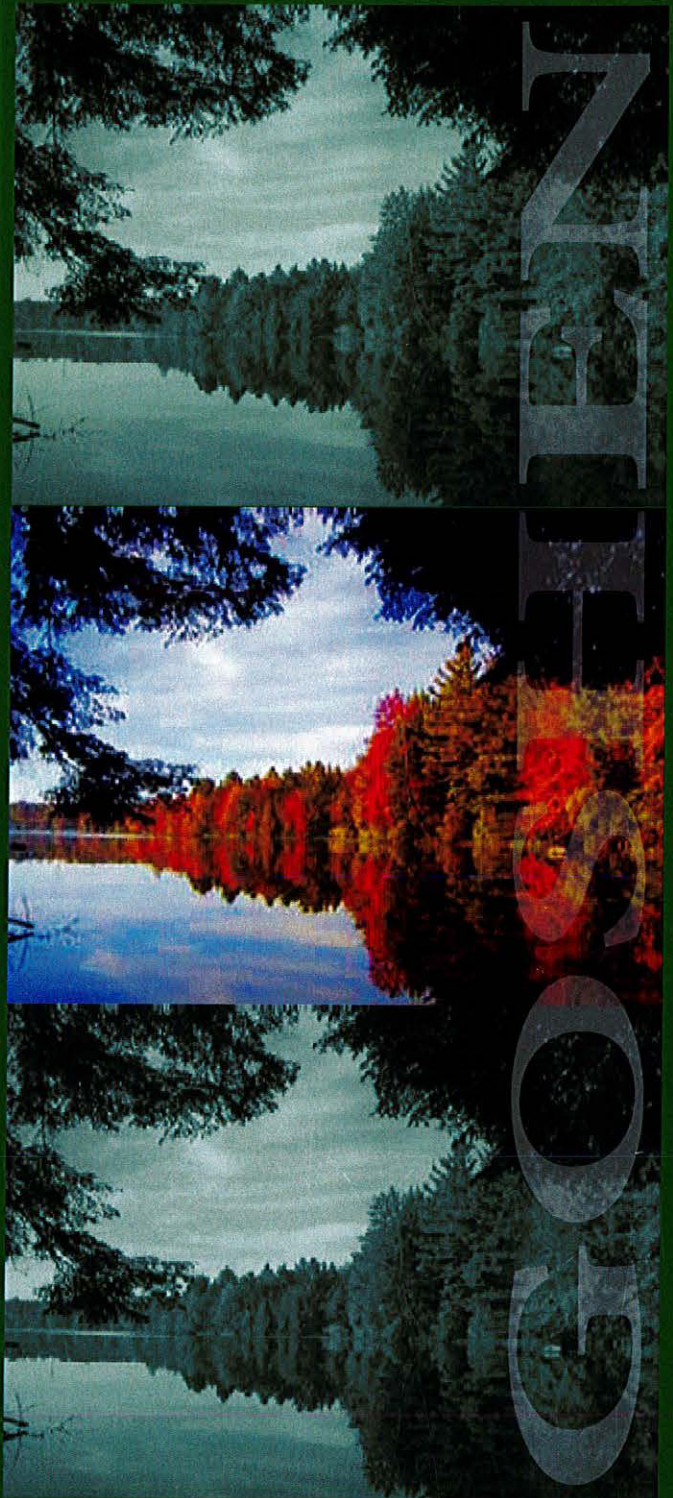


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2012

OPEN SPACE  
AND  
RECREATION PLAN

TOWN OF GOSHEN



# Town of Goshen Open Space and Recreation Plan

**2012**

**Prepared for:** Town of Goshen

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# Goshen Open Space and Recreation Plan

## Table of Contents

### SECTION 1: PLAN SUMMARY

### SECTION 2: INTRODUCTION

- A. *Statement of Purpose*
- B. *Planning Process and Public Participation*

### SECTION 3: COMMUNITY SETTING

- A. *Regional Context*
- B. *History of the Community*
- C. *Population Characteristics*
- D. *Growth and Development Patterns*

### SECTION 4: ENVIRONMENTAL INVENTORY AND ANALYSIS

- A. *Geology, Soils and Topography*
- B. *Landscape Character*
- C. *Water Resources*
- D. *Vegetation*
- E. *Fisheries and Wildlife*
- F. *Scenic Resources and Unique Environments*
- G. *Environmental Challenges*

### SECTION 5: INVENTORY OF CONSERVATION AND RECREATION LANDS

- A. *Private Parcels*
- B. *Public and Nonprofit Parcels*

### SECTION 6: COMMUNITY VISION

- A. *Description of Process*
- B. *Statement of Open Space and Recreation Goals*

### SECTION 7: ANALYSIS OF NEEDS

- A. *Summary of Resource Protection Needs*
- B. *Summary of Community's Needs*
- C. *Management Needs, Potential Change of Use*
- D.

### SECTION 8: GOALS AND OBJECTIVES

### SECTION 9: SEVEN-YEAR ACTION PLAN

### SECTION 10: PUBLIC COMMENTS

### SECTION 11: REFERENCES

### SECTION 12: APPENDICES

## **SECTION 1: PLAN SUMMARY**

Goshen residents cherish the scenic landscape all around them and want to maintain the rural character of their community and the quality of life it affords them. Most integral to Goshen's character are the protection and management of forests, protection of water quality, active agriculture, and healthy, diverse and contiguous wildlife habitats. Residents seek to continue and expand upon the many forms of outdoor recreation found in Goshen including trails for hiking, snowmobiling and horseback riding, and swimming areas open to the public.

In concert with this vision, four goals for open space and recreation have been identified:

Goal #1: The diversity, continuity and integrity of wildlife habitat and biodiversity are well-established and protected in Goshen.

Goal #2: Working farms and forests are healthy local resources and a thriving component of Goshen's vibrant rural character.

Goal #3: Goshen's rivers, lakes, ponds and aquifers are clean and protected from all sources of pollution.

Goal #4: Recreational resources and opportunities are accessible to the public.

These goals are essentially the same in spirit as those identified in the 2003 Open Space and Recreation Plan. Thus, the Open Space Committee has met certain actions identified in the 2003 plan, as well as carried out other projects in support of those goals. Open Space Committee accomplishments since 2003 include:

- Created an active Open Space Committee;
- Formed a coalition of Goshen Open Space, Conservation, and Recreation Committees and Historical Commission to propose Goshen adopt the Community Preservation Act, which passed in 2007, allowing future "acquisition, creation and preservation of open space" with accumulated funds;
- Begun renovation and repair of multi-user Tilton Town Farm trail, for both educational and recreational use including bridge re-construction and other work funded by a 2009-2010 DCR Recreational Trails Grant;
- Liaison with Goshen landowners and conservation organizations to help them select appropriate options for preservation of open space, including the organization of community events on conservation options for property-owners;
- Facilitated coordination of conservation restriction donation on 55 acres of land on Route 9 to the Trustees of Reservation and the Hilltown Land Trust;
- Sponsored or co-sponsored educational programs on other open space issues, including ecological effects of ice storm damage, wildlife, vernal pools, trail repair, invasive species;
- Worked to develop regional trail networks and other conservation projects, through 5-Town Action Initiative, HCI alliances, Rt. 112 Scenic Byway, Westfield River Watershed Association and Wild and Scenic Advisory Committee, and other trail-user groups;
- Participated in Goshen's Zoning Review Committee;



## 2012 Goshen Open Space & Recreation Plan

- Participated in development of Route 112 Scenic Byway Plan; and,
- Implemented programs to control invasive species.



*Tilton Farm trail construction crew, June 2010*

## **SECTION 2: INTRODUCTION**

### **A. Statement of Purpose**

The 2012 Goshen Open Space and Recreation Plan (OSRP) provides a thorough assessment and inventory of lands of recreation and conservation interest, as well as related data and information about natural resources, community demographics and an economic profile of the community. This assessment combined with the public feedback provides a realistic and implementable plan to further the development of important building blocks for achieving Goshen's goals and objectives for open space and recreation.

### **B. Planning Process and Public Participation**

#### *Planning Process*

This update to the 2003 Open Space and Recreation Plan has been undertaken by the Goshen Open Space Committee with technical assistance provided by the Pioneer Valley Planning Commission (PVPC) through a District Local Technical Assistance (DLTA) Grant from the Massachusetts Department of Housing and Community Development. The Committee met five times between January and December in 2011 regarding the plan update.

Members of the Open Space Committee include:

Alison Bowen  
Melanie Dana  
Steve Daiber  
Terry Johnson  
Jane Larson  
David Packard  
Sandra Papush

Additional information and feedback provided by Gina Papineau, Assessor's Office, and Joseph Frye, Planning Board and Zoning Board of Appeals.

#### *Public Participation*

The Goshen Open Space Committee issued a public survey and held a public visioning session to offer the community ample opportunity to participate in developing goals, objectives and strategies for open space and recreation in Goshen. The public survey was posted online at Survey Monkey and remained open for 60 days in mid-April to mid-June. Notice of the survey was advertised to residents in the local newspaper, and all municipal boards and departments through posting at their mailbox. Paper copies of the survey were available at Town Hall and the library, and were subsequently entered into Survey Monkey by Committee members. A discussion of the survey results is included in Section 6 Community Vision.

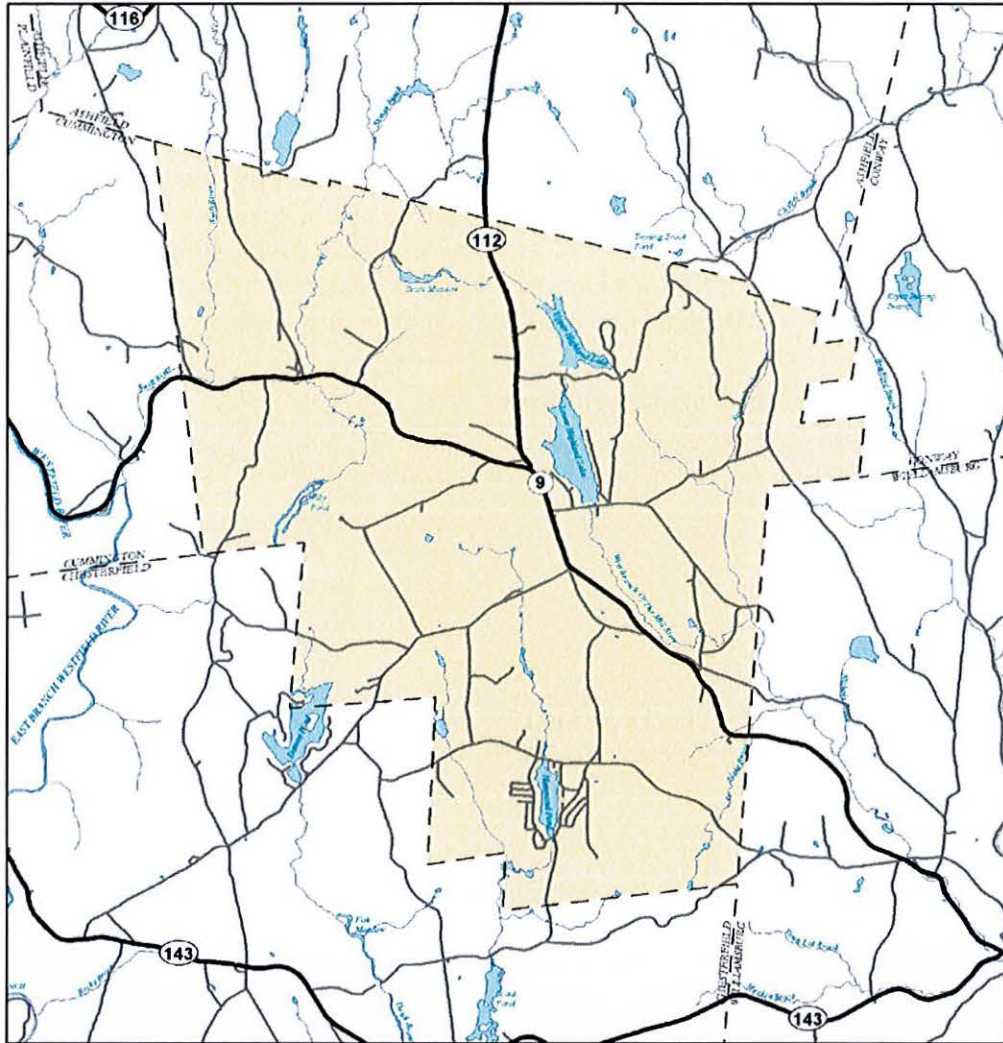
The final draft of the Plan was issued for a 60-day public comment period in October and November 2011. An electronic version of the plan was posted on the PVPC website and a paper copy available at the library and the Town Offices. Notice of its availability was sent to each of




# 2012 Goshen Open Space & Recreation Plan

the town boards and posted in the local newspaper. Comments were submitted in writing to PVPC, reviewed by the Open Space Committee and incorporated into the final plan.

## Goshen, Massachusetts 2011 Open Space Plan



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## **SECTION 3: COMMUNITY SETTING**

### **A. Regional Context**

Covering about 17.7 square miles, the Town of Goshen is located along the northern border of Hampshire County in the foothills of the Berkshires. Known as one of the “hilltowns,” Goshen lies in the uplands west of the Connecticut River Valley, northwest of Northampton. The Town’s elevation ranges from 944 feet to 1694 feet. In Franklin County, the towns of Conway and Ashfield to the north border Goshen whereas in Hampshire County, Williamsburg lies to the east, Chesterfield to the south and southwest, and Cummington to the northwest. Major roadways through the Town are Route 9 tending northwest from Williamsburg through Goshen to Cummington, and Route 112 from the intersection of Route 9 at the north end of Goshen Center north to the Ashfield line in Franklin County.

Goshen’s proximity to Northampton, lack of good roads until the 20<sup>th</sup> century, and lack of reliable water power prevented any major industrial development. Industry consisted of small mills and home-based businesses, which continue today. Because of its fairly remote location, it has been able to maintain a quiet, country character. Most development consists of single-family homes; the remainder of land in Goshen is hilly and forested, with some scattered open fields in farming. Goshen was named after the town that the Israelites inhabited while in Egypt. As with most hilltowns, the Congregational Church has played a central role in its establishment.

The Town of Goshen has limited economic resources and is primarily considered a “bedroom community,” since most residents travel outside of town boundaries for employment. However, the housing market has expanded in the Pioneer Valley and as housing pressures intensify in the valley, Goshen and other hilltowns are likely to see an increase in new home development over the next several years. New home development is probably the greatest threat to open space in Goshen. That is, should large parcels of land (e.g., greater than 100 acres) be subdivided, wildlife habitat fragmentation or the loss of open space will occur in Goshen. While new home development can decrease open space, implementation of proper town planning can create a balance between open space preservation and new residential development.

Despite a rural veneer, Goshen has changed a great deal throughout its history. Goshen reached its lowest population in 1920 with 224 residents. Several factors have now brought the Town to the edge of a critical transformation. These factors include: the economic trends in Massachusetts and in the country as a whole; a nationwide demise of the family farm in favor of large economies of scale; large-scale flight from cities and large towns in favor of rural settings; development pressures on undeveloped agricultural and forest land by building development; and changes in the economy favoring service and information businesses over industry and manufacturing.

Goshen’s location within 13 miles of the City of Northampton and 25 miles of the college town of Amherst, respectively, and a relatively easy access to Interstate 91, has contributed to its development as a “bedroom community” to these two larger towns, as well as the Town of Greenfield and the cities of Springfield, Chicopee, and Westfield along the I-91 corridor into Connecticut.



Goshen is perceived as a recreational destination within the Pioneer Valley by virtue of the location of the D.A.R. State Forest (which has trails, swimming, hiking, picnicking, and camping) and the Holy Cross Campgrounds within its boundaries. In addition, Camp Howe, located on the west side of Lower Highland Lake north of East Street, attracts many young people on a seasonal basis with its camping facilities and opportunities for trail and water sports.

## **B. History of the Community**

Prior to European settlement, the Goshen area was part of the hunting region for local Native Americans. As with most of the Hilltown areas, Goshen was not settled until the 1760s. After the French and Indian Wars, the French surrendered this area to Great Britain and the Native American incursions quieted, allowing settlement in the piedmont areas northwest of the Connecticut River Valley. It took Goshen over 100 years after Northampton and the surrounding towns in the Connecticut River Valley were settled to do the same. As part of Narragansett township No. 4, part of what became Goshen was laid out in 1736 and called "New Hingham" (now Chesterfield). The first settlers to Goshen were residents of New Hingham, west of Hatfield. A second land grant to the soldiers of King Phillip's War was called "Chesterfield Gore." Suffice it to say that what is Goshen today was originally part of Chesterfield. Eventually in 1781, residents of Chesterfield, willing to establish a meetinghouse of their own, broke off from that town. The Town of Goshen was incorporated on May 14, 1781.

### **Geographic settlement**

By 1840, a wide network of town roads had been constructed to all parts of Goshen. Self-sufficient farming gradually gave way to a money economy in which cash crops became a necessary means of paying for the increasing purchase of goods. With more intensive farming in the 19<sup>th</sup> century, the virgin fertility of the soil was depleted. Weeds, crop pests, and diseases slowly moved in, and the lure of paid work in cities took its toll. Those who prospered began to buy out their neighbors and the best farms became larger, but fewer in number. By the end of the 19<sup>th</sup> century, the *Hampshire Gazette* was regularly full of several columns of farms for sale in the areas of hill top farming. A turn-of-the-century article in the *Gazette* explains: Large numbers of New England farms, well located or on rocky lands, should never have been utilized for agricultural purposes. That they were reflected the population pressures which existed at a period when there was no other recourse but farming, when household industries were an important source of revenue, and when men and women lived simply, reared large families and demanded little.

The center of Goshen remained fixed after the erection of the meetinghouse in 1782. All subsequent civic buildings were built nearby. The next public building in Goshen was the small wooden framed Town Hall that was erected in 1848 and served the Town as office and library until the current stone Town Hall was built in 1909-1911. The Goshen Center School was built next to the new Town Hall in 1923. In 1936 the one-story rear addition to the Town Hall was constructed. In 1976 the land next to the current post office was acquired by the Town for the park, tennis courts and parking lot.

### **Goshen as a Summer Resort**

## 2012 Goshen Open Space & Recreation Plan

In the latter half of the 19<sup>th</sup> century, Goshen became known as a rural summer resort and somewhat of a health mecca, attracting a number of religious organizations. Among the reasons people came to spend the summers, according to literature of the time, were charming views and landscapes with the Mt. Holyoke and Mt. Tom ranges and the surrounding valley clearly visible; pure air at the high elevations around town; the quiet village; charming drives; and interesting geology, flora, and fauna. Tourist destinations for hikes and picnics were known as Devil's Den, the Lily Pond, and the Cascade.

Eventually, some of the people who had customarily come for the summer began to build their own seasonal homes in Goshen, causing a lasting effect on the appearance of the Town and its building stock. Also, in 1956 developers designed Hammond Acres around Hammond Pond, creating many summer cottages.

### **20<sup>th</sup> Century Recreation Areas**

Organized recreation facilities seemed to be a natural offshoot of the summer resort industry in Goshen. Mention has already been made of the development of Hammond Acres. Holy Cross Camp was developed with an initial purchase of 125 acres on the west shore of Upper Highland Lake in 1923. An additional 100 acres were purchased in 1959. The D.A.R. State Forest was established in 1929 when John Tomlinson bought up 23 tracts of land and donated them, some 1,020 acres, to the Daughters of the American Revolution. During the 1930s, a CCC camp was established responsible for making many improvements. Camp Howe, a children's summer camp on East Street, was developed in Goshen after moving from Dana, Massachusetts, in 1940. Robert and Margaret Williams operated a children's summer camp on East Street from 1948 to 1967 called "The Rock." Camp Jollie, on the grounds of the Tomlinson Estate, provided summer recreation for handicapped children and was sponsored by the United Cerebral Palsy of Western Massachusetts. The Springfield Republican also maintained a summer camp for newspaper boys on Cape Street.

### **Historical Archaeology**

Goshen has numerous historical archaeological sites in the form of stone walls, stone foundations and cellar holes, stone bridges, and at least two unexplained stone structures. Two historic archaeological sites are on file at the Massachusetts Historical Commission:

- 1) INV. #GHS-HA-01: Beals Home Stagecoach Depot on Beals Road (1792) with its associated abutments of a bridge spanning a nearby stream
- 2) INV. #GHS-HA-02: The Dresser Hill Sites (ca. 1846), consisting of George Dresser's house, with possible cellar hole of an earlier house and the associated remnants of the Reuben Dresser sawmill foundation.

Other historical archaeological sites and structures which have not been inventoried include the Potato Hole, possibly a stone barn built into the side of a hill in the northeast portion of town near the Conway town line, the Goshen tunnel above the Goshen Cemetery, the stone arched bridge at the foot of Sabo's Hill on West Street, and several partial foundation walls from small mills around town.



**National Register of Historic Places Sites**

The only National Register listing in Goshen is the historic district which comprises Mountain Rest, a missionary summer encampment, founded by Dr. George D. Dowkontt of New York City in 1900 or 1901. After having been placed on the National Register in November, 1983, it was developed into the Wildwood condominiums. It is currently owner-occupied and has a recently reactivated property owner association. It is located on Wildwood Lane off Spruce Corner Road.

**C. Population Characteristics**

**General**

Goshen has seen increases and decreases in population in response to external factors such as land prices, road development, industry in nearby communities, and housing costs in the Pioneer Valley. Throughout the fluxes in population, Goshen has remained a small Hilltown. Since the original settlement in 1761 and subsequent incorporation in 1781, the population rose steadily until reaching a peak of 724 in 1800. The population decrease reached its lowest point in 1920, with only 224 residents in town. Since the 1920s Goshen’s population has again been on the rise adding approximately 90 residents every decade. Between 1990 and 2000, the population increased from 764 to 921. By 2010 the population reached 1,054 residents according to the Federal Census. Given the recent trend in increasing population, it is important for Goshen to recognize the potential threat of new home development on open space.

**Population in Goshen**

Year	Population	Percent Change
1800	724	0
1920	224	-69
1990	764	241
2000	921	20
2010	1054	14

*Sources: US Census Bureau 2000 Decennial Census,  
 US Census Bureau 2010 Decennial Census,  
 1990 Census Population Estimates Program,  
 1920 and 1800 population estimates from previous OSRP*

**Total Population by Age**

2010	Total	Percent of Population
Total population	1,054	100
Under 5 years	59	5.6
5 to 9 years	60	5.7
10 to 14 years	55	5.2
15 to 19 years	69	6.5
20 to 24 years	40	3.8
25 to 29 years	47	4.5
30 to 34 years	35	3.3
35 to 39 years	84	8
40 to 44 years	71	6.7
45 to 49 years	92	8.7
50 to 54 years	110	10.4
55 to 59 years	107	10.2
60 to 64 years	79	7.5
65 to 69 years	57	5.4
70 to 74 years	43	4.1
75 to 79 years	11	1
80 to 84 years	21	2
85 years and over	14	1.3
Median age (years)	45.5	

*Source: U.S. Census Bureau, 2010 Decennial Census*

Goshen currently has a population density of approximately 60 people every square mile. In 2000 Goshen had approximately 53 people every square mile. This marks a near 15% increase in density in just ten years. Although density in Goshen is low compared to other parts of the state and the Pioneer Valley, given the recent trend in increasing population, it is important for Goshen to recognize the potential threat of new home development on open space and implement actions preserve the community's rural character.



**Goshen Building Permit Trends**

YEAR	All Units	Single Family Units
1990	3	3
1991	3	3
1992	7	7
1993	5	5
1994	2	2
1995	4	4
1996	5	5
1997	0	0
1998	6	6
1999	10	10
2000	8	8
2001	7	7
2002	10	10
2003	5	5
2004	7	7
2005	6	6
2006	4	4
2007	6	6
2008	0	0
2009	2	2

*Source: U.S. Department of Housing and Urban Development*

Residential building permits provide one way of noting development pressures on a community. Over the last 20 years Goshen has seen an average of over five building permits every year. Since 1990 Goshen has added 100 new buildings and all of these buildings have been single family structures. Building has slowed in the past few years consistent with national homebuilding trends. While Goshen has large amounts of open space it will be important to monitor development and identify parcels of land appropriate for preservation.

**Household Income, Poverty, Major Employers, and Employment Trends**

Goshen’s average household income has been growing over the last 20 years. The most common income bracket for households in 1990 was \$40,000 to \$45,000. In 2000 the most common income bracket increased to \$60,000 to \$75,000; and, from 2005 to 2009 it increased again to between \$75,000 and \$100,000. Goshen has a diverse income spread. In 2009, 25% of Goshen households earned less than \$45,000, with just over 20% of households earning over \$100,000. The recreational needs and interest of residents with a range of income should be addressed by the town.

2012 Goshen Open Space & Recreation Plan

**Goshen Household Income**

Year	1990	2000	2005-2009
Total number of households:	317	368	426
Less than \$10,000	29	14	11
\$10,000 to \$14,999	11	15	19
\$15,000 to \$19,999	32	11	11
\$20,000 to \$24,999	20	21	9
\$25,000 to \$29,999	12	27	14
\$30,000 to \$34,999	24	26	5
\$35,000 to \$39,999	33	24	12
\$40,000 to \$44,999	42	20	20
\$45,000 to \$49,999	21	28	13
\$50,000 to \$59,999	31	36	39
\$60,000 to \$74,999	30	61	41
\$75,000 to \$99,999	24	56	142
\$100,000 to \$124,999	5	13	30
\$125,000 to \$149,999	3	10	11
\$150,000 to \$199,999 (or more)	0	3	24
\$200,000 or more	N/A	3	25

*Source: U.S. Census Bureau, 1990 and 2000 Census, 2005-2009 American Community Survey 5-year Estimates*

Goshen has seen a decrease in the percentage of households living in poverty as the town population has grown. As of 1990 approximately four percent of the community was living under the poverty line. From 2005 through 2009 approximately one percent of the community was living under the poverty line.

**Poverty In Goshen**

Year	Below Poverty Line	% Below Poverty Line
1990	33	3.97%
2000	71	7.87%
2005-2009	N/A	1.20%

*1990 and 2000 U.S. Census;  
2005-2009 American Community Survey 5 Year Estimates*

The majority of workers in Goshen travel outside of the community for employment. Of the approximately 600 employed workers the vast majority work outside of town. The largest ten employers in town provide just over 100 jobs. Commuting is a major part of each working resident's day. The recreational and open space needs of commuters may be different than those who work at or close to home.



## 2012 Goshen Open Space & Recreation Plan

<b>Largest Employers in Goshen</b>	
<b>Company Name</b>	<b>Employment Size</b>
Camp Howe	40
George Propane Inc	18
Good Time Stove Co	15
Goshen Stone Co	9
George D Judd & Sons LLC	7
Berkshire Technologies Inc	6
Town Hall Assessor's Office	3
Highway Dept	2
Pampered Pet Sitting	2
US Post Office	2

*Source: ReferenceUSA, 2008*

As of 2009, over 93% of the labor force was actively employed.

<b>Employment Trends in Goshen</b>			
<b>Year</b>	<b>Labor Force</b>	<b>Employed</b>	<b>% Unemployed</b>
1990	519	493	5.01%
1991	506	478	5.53%
1992	540	511	5.37%
1993	555	532	4.14%
1994	594	567	4.55%
1995	602	587	2.49%
1996	584	573	1.88%
1997	595	577	3.03%
1998	568	557	1.94%
1999	615	604	1.79%
2000	574	566	1.39%
2001	581	571	1.72%
2002	588	575	2.21%
2003	599	578	3.51%
2004	598	579	3.18%
2005	588	573	2.55%
2006	601	577	3.99%
2007	593	577	2.70%
2008	600	572	4.67%
2009	605	566	6.45%

*Source: MA Executive Office of Labor and Workforce Development*

### **Environmental Justice**

Environmental Justice Communities are areas that have a need for protection from environmental pollution because the area is home to a large percentage of poor, foreign born, minority, or foreign language speakers. Goshen is not an Environmental Justice Community however a need to protect the recreational and open spaces that make Goshen special does exist.

## **D. Growth and Development Patterns**

### **Patterns and Trends**

Goshen began as a small mill town surrounded by forest, which provides recreational opportunities today. The community's character has long been defined by large tracks of forests and a few farms. With the greater access provided by better roads and proximity to nearby college towns, Goshen is subject to some pressures of residential development. To illustrate, since 1990 Goshen has seen an average of five residential building permits per year.

Due to numerous wetland areas, large-scale development is limited. Although Goshen currently has no local ordinances for increased wetlands or rivers protection bylaws the Commonwealth's Wetlands Protection Act is in effect. Historically and for practical reasons, up until now both wetlands and floodplain development has been limited.

### **Infrastructure**

#### *Transportation*

There is a well defined road network throughout Goshen. Two major State routes exist in Goshen. State Route 9 runs from the southeast border with Williamsburg to the northwest boarder with Cummington. Route 9 is also locally known as United States Marine Corps League Highway and Main Street. State Route 112 begins at the junction with State Route 9 at the town center and travels north into Ashfield. State Route 112 is also locally known as Cape Street. No public transportation or official bike routes exist in town. Walking and biking are however common forms of transportation.

#### *Water Supply*

Goshen does not have a municipal water supply system, relying instead on numerous on-site private wells located throughout the community, including seven active public water supply systems with nine active wells serving restaurants, camps, the town office and school, the state forest, and two homeowner's associations.



## 2012 Goshen Open Space & Recreation Plan

### Public Water Supplies<sup>1</sup>

PWS ID	PWS Name	Status	Class*	Source ID	Source Status	Availability
1108003	Goshen Town Office	Active	NC	1108003-01G	Active	Active
1108004	Spruce Corner Restaurant	Active	NC	1108004-01G	Active	Active
1108007	Camp Holy Cross	Active	NC	1108007-01G	Active	Active
1108008	4H Camp Howe Inc	Active	NC	1108008-01G	Active	Abandoned
1108008	4H Camp Howe Inc	Active	NC	1108008-02G	Active	Active
1108008	4H Camp Howe Inc	Active	NC	1108008-03G	Active	Active
1108009	Wildwood Condominium	Active	COM	1108009-01G	Active	Active
1108010	DCR DAR State Forest	Active	NC	1108010 – 01G Twinning Brook Well	Inactive	Abandoned
1108010	DCR DAR State Forest	Active	NC	1108010-02G Campground Well	Active	Active
1108010	DCR DAR State Forest	Active	NC	1108010-03G Day Use Well	Active	Active
1108014	Hammond Acres Water Corp	Active	NC	1108014-01G	Active	Active
1108014	Hammond Acres Water Corp	Active	NC	1108014-02G	Active	Emergency
1108002	The Whale Inn	Inactive	NC	1108002-01G	Inactive	Inactive
1108002	The Whale Inn	Inactive	NC	1108002-02G	Inactive	Inactive

\*NC - Non-Community Well; COM - Community Well

The Massachusetts Department of Environmental Protection (DEP) has completed Source Water Assessment (SWAP) Reports for several of the public water supplies in Goshen. The SWAP identifies the most significant potential contamination sources that could threaten well water quality. The susceptibility ranking does not imply poor water quality but rather threats to consider for proper best management. Actual water quality is best reflected by the results of regular water tests.

A well's source protection area is the land around the well where protection areas should be focused. Wells have a Zone I protective radius and an Interim Wellhead Protection Area (IWPA). The Zone I should be owned or controlled by the water supplier and limited to water supply activities. IWPA is the larger area that is likely to contribute water to the well. The IWPA radius is based upon the average pumping rate of the well. In many instances the IWPA may not include the entire land area contributing water to the well. Therefore, the well may be susceptible to activities outside the IWPA. Information provided in the SWAP reports for each well is as follows:

<sup>1</sup> Skiba, Catherine. Massachusetts Department of Environmental Protection, July 19, 2011 email correspondence

## 2012 Goshen Open Space & Recreation Plan

### Spruce Corner Restaurant Non-Community Well

Well's high susceptibility to potential microbial threats is based on the septic system components within the Zone I/IWPA. The moderate susceptibility to potential non-microbial threats is based on the local roads and parking areas within the Zone I and/or the IWPA.

### Camp Holy Cross

Well's high susceptibility to potential microbial threats is based on the septic system components within the Zone I and IWPA. The moderate susceptibility to potential microbial threats is based on the access roads, state highway and parking within the Zone I and IWPA.

### Camp Howe

Well's high susceptibility to potential microbial threats is based on the septic system components within the Zone I / IWPA. The moderate susceptibility to potential non-microbial threats is based on the local roads and parking within the Zone I and/or the IWPA.

### Wildwood Condominiums

The Wildwood Condominium complex is located off Spruce Corner Road and consists of six residences. The homes use various forms of fuel for heat and hot water including propane, wood and oil. There are no underground storage tanks at the complex. The facilities include an unpaved internal road, parking areas, a barn, lawn and wooded areas. The homes are serviced by on-site septic disposal. The well is an 8-inch diameter, bedrock well drilled in the 1950s and believed to be greater than 200 feet deep. The well is considered to be highly vulnerable to potential contamination from the ground surface because there is no significant hydrogeologic barrier such as clay or a thin till barrier to prevent surface contamination from migrating into the bedrock aquifer.

### DAR State Forest Non-Community Wells

DAR State Forest's two Transient Non-community Wells indicated a high susceptibility to potential microbial threats based on septic system components within the Zone I and IWPA. The moderate susceptibility to potential non-microbial threats is based on the local roads within the Zone I and IWPA and the high ranking for the Day Use well (03G) is based on fuel oil storage in the IWPA.

### Hammond Acres Water Corporation

The well's high susceptibility to potential microbial threats is based on the septic system components within the Zone I / IWPA. The moderate susceptibility to potential non-microbial threats is based on the local roads within the Zone I and/or the IWPA. There is also a solid waste landfill nearby that consists of dredging fill from the adjacent lake and so is not listed as a threat.



**Public Water Supply SWAP Information**

Well Name	Well (Source) ID#	Zone I Radius (feet)	IWPA Radius (feet)	Microbial Susceptibility	Non-Microbial Susceptibility
Spruce Corner Restaurant	1108004-01G	135	438	High	Moderate
Camp Holy Cross	1108007-01G	212	524	High	Moderate
Camp Howe	1108008-02G	175	470	High	Moderate
Camp Howe	1108008-03G	175	470	High	Moderate
Wildwood Condominiums	1108009-01G	148	446	Moderate	Moderate
DAR Campground Well	1108010-02G	198	500	High	Moderate
DAR Day Use Well	1108010-03G	100	422	High	High
Hammond Acres Water Corp	1108014-01G	209	519	High	Moderate
Hammond Acres Water Corp	1108014-02G	209	519	High	Moderate

*Aquifer Recharge Areas*

Goshen does not have any major aquifer recharge areas within its town boundaries, according to the “USGS Hydrologic Atlas Series on Groundwater Favorability in Massachusetts”. However, Goshen does have several areas of surficial geology described as “sand and gravel deposits”, which may be worth exploring further as potential well sites. These areas are located at:

- Wing Hill Road at Wing Hollow Road
- Route 9 at East Street
- Route 9 at Lithia
- Hyde Hill Road near Blake Brook

*Sewer Service*

There is no public sewer service in Goshen. Individual homes, businesses, and government facilities are responsible for creation and use of septic systems as per 310 CMR 15.00 Title 5: Standard Requirements for the Siting, Construction, Inspection, Upgrade and Expansion of On-Site Sewage Treatment and Disposal Systems and for the Transport and Disposal of Septage.

**Long-Term Development Patterns**

All of Goshen is zoned for single family residential/agricultural, allowing great opportunity for residential growth. According to an analysis in the 2003 OSRP (performed as part of the E.O. 418 Build-out Analysis), total build-out of Goshen would result in a maximum population of 9,624 people, 3,678 households, 1,430 students, and an increase of 71 miles of roadway. The increase in water demand would be 652,700 gallons a day, and increase solid waste production to 4,465 tons a year.

## 2012 Goshen Open Space & Recreation Plan

Because of its proximity to Northampton and Interstate 91, the existence of Route 9, limited zoning bylaws, and relatively inexpensive undeveloped land, Goshen could potentially experience some of the extreme development pressures and associated conflicts confronted by other Pioneer Valley communities. The potential for uncontrolled commercial and strip development in the town center, industrial and large service businesses on rural residential roads, diminution of historic and scenic landscapes, vanishing open space, increased traffic, and loss of historic architecture have been seen in other parts of the Pioneer Valley and could occur in Goshen.





## **SECTION 4: ENVIRONMENTAL INVENTORY AND ANALYSIS**

Hilltown landscapes are primarily forested, yet retain many characteristics of former self-contained agricultural centers. This is the case in Goshen, which was once a thriving agricultural settlement and has become a quiet rural town.

There are 1,283 acres in Goshen that have been identified by the Natural Heritage and Endangered Species Program (NHESP) as BioMap2<sup>2</sup> Core Habitat, and should be protected for that purpose if at all possible. NHESP defines Core Habitat as land critical for the long-term persistence of rare species and other Species of Conservation Concern, as well as a wide diversity of natural communities and intact ecosystems across the Commonwealth.

There are also 3,610 acres of Acres of Critical Natural Landscape (CNL). Critical Natural Lands complement Core Habitat, including large natural Landscape Blocks that provide habitat for wide-ranging native species, support intact ecological processes, maintain connectivity among habitats, and enhance ecological resilience; and includes buffering around uplands around coastal, wetland and aquatic Core Habitats to help ensure their long-term integrity.

The relevance of BioMap2 Core Habitat and Critical Natural Lands are discussed further in Section 4.

In 2005, Goshen participated in the Conservation Assessment and Prioritization System (CAPS) under the Highland Communities Initiative. The project conducted by the Landscape Ecology Program, Department of Natural Resources Conservation at the University of Massachusetts utilized a computer modeling approach to prioritize land for conservation based on the assessment of ecological integrity for various natural communities within an area. The priority areas identified for conservation by CAPS have been considered and incorporated within the goals, objectives, and recommended actions of this plan.

### **A. Geology, Soils and Topography**

The bedrock of Goshen is part of the eroded core of an ancient chain of mountains that is approximately 400-500 million years old and extends from Long Island Sound through Western Massachusetts and Vermont into Quebec. There are three known formations in Goshen: the Goshen Formation, with a light gray to dark gray schist and phyllites (lustrous slaty rocks); the Waits River Formation, with dark gray schists and occasional thin beds of marble; and the Williamsburg Granodiorite, with crystalline granite-like inclusions containing coarse crystalline veins of quartz.

Like almost all of New England, great ice sheets thousands of feet thick once covered Goshen. The ice sheets melted about 12,000 years ago and left extensive surface deposits that cover most of the land and dominate the New England landscape. The two basic types of deposit in

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<sup>2</sup> Massachusetts Department of Fish and Game and The Nature Conservancy. 2010. *BioMap2: Conserving the Biodiversity of Massachusetts in a Changing World*.



## 2012 Goshen Open Space & Recreation Plan

Goshen are lodgement till and stratified drift. Lodgement till formed when glaciers overrode and compressed the earth. It is an unsorted mixture of sand, clay, pebbles and boulders, no more than three feet thick. Stratified drift refers to deposits of sand and gravel that formed during the final days of the Ice Age. The melting ice sheets gave rise to torrential streams that had the power to carry a large load of sand and gravel formerly trapped in ice. The velocity of the stream diminished, as when entering a lake or flat area, releasing its sediment load to settle and form deposits of sand and gravel.

The soils in Goshen are dominated by three major types: the Lyman soils, which are loamy and shallow; and the Marlow and Peru soils, which are loamy and slowly permeable. All of the soil types existing in Goshen present severe limitations to septic absorption fields and building construction. As there is no public water or sewer in Goshen, this presents natural constraints to development.

The Goshen area contains igneous and metamorphosed sedimentary rocks of Paleozoic age (600 million to 225 million years before the present). Small intrusions of the Williamsburg granodiorite and related pegmatite comprise the igneous rocks while the Hawley schist, Goshen schist and quartzite of the Conway schist comprise the metamorphic rocks (Anderson, 1959). The age of the sedimentary Hawley schist is believed to have originated during the Ordovician period (approximately 500 to 440 million years ago). In the Goshen area this schist is very coarse-grained kyanite garnet biotite muscovite schist containing quartz bands interwoven with mica. The rocks weather to a dark gray often stained brownish by rust or greenish from plant material (e.g., lichens and mosses). There are four variations of Hawley schist:

- Schist containing large garnet (alkaline earth metals and iron silicates) and kyanite (blue to light green aluminum silicate) metacrysts;
- Hornblende schist (combinations of calcium and metals);
- Feldspathic beds (high concentrations of feldspar); and,
- Coarse garnet-biotite-quartz muscovite (mica grouping of metals) schist

Easily accessible outcrops of the Hawley schist can be found on Ball Road and along Bissell Road (Anderson, 1959).

The Conway/Goshen schist comprises the Conway formation, which overlies the Hawley schist and is composed of two lithologic units (Willard, 1956). As a result, this formation is younger in age and has been assigned to the Silurian system (395 to 430 million years ago). The older member is micaceous containing irregularly alternating beds of micaceous quartzite. The younger bed is predominantly quartzite, somewhat micaceous and contains calcareous layers. This widely distributed Conway formation is generally a garnet-quartz-mica schist, containing sericite, biotite, and staurolite. Small amounts of graphite, magnetite, pyrite, and plagioclase are present in the stone. The rock has a lead gray to dark gray color, except where stained with rust due to iron deposits. The mineral sericite provides sheen to the rock, similar to that of phyllite. As a result, the stone appears very fine grained with a porphyroblastic (relatively smooth) surface. Visible portions of the Conway formation can be viewed along the Rt. 9, Loomis Road and the Judd flagstone quarry. The Conway formation has been correlated with the Waits River formation in southern Vermont (Anderson, 1959). The Conway, Goshen, and Hawley schist were quarried quite extensively for building foundations, until the introduction of concrete. Currently, the schist formations are primarily used in landscape design. The igneous rock in the region is not used commercially.



The Williamsburg granodiorite is a compact, fine-grained (1.0 mm) biotite granite that weathers to a light gray color to almost white. The spotted black specks are biotite. This stone is very hard and is difficult to split relative to the schist. The largest exposure of grandiorite bedrock in Goshen can be observed along the western shore of Lily Pond. Grandiorite has limited economic use with the exception of a few small inclusions within retaining walls (Anderson, 1959).

## **B. Landscape Character**

Goshen has a wealth of features unique to the area, including many views of the valley and Mt. Holyoke Ranges east and south of town, and, on Moore Hill, 360 degree views. Tilton Town Farm provides not only excellent views of Mt. Tom and the lower Pioneer Valley, but also recreational trails and pastures.

Goshen has several small lakes, ponds, wetlands, and wet meadows that provide wildlife habitat and recreational opportunities. Upper and Lower Highland Lakes are part of a great recreational resource, the D.A.R. State Forest. Visitors can swim, fish, boat, picnic, hike, and camp on its 1,000 acres. However, public access is only allowed on Upper Highland Lake from D.A.R. State Forest. Access to Lower Highland Lake is restricted to private ownership surrounding the lake. Hammond and Lily Ponds also provide recreational opportunities.

Goshen also contains many historical resources, such as its historic center, Lithia and Batesville villages, the "potato hole" for archaeological observation, mill and dam remnants, and old roads.

The Town of Goshen has not acquired any land for the recreational or conservation purposes since the 2003 OSRP was completed. However, State and private initiatives have been at work to preserve the Lilly Pond bog. Located approximately one half mile west of DAR State Forest, the 20-acre floating Lilly Pond bog was recognized by National Heritage and Endangered Species Program as a priority natural community in Goshen. This parcel of land was identified as a priority for land protection in by NHESP in 2001. The Five College Consortium donated 20 acres including the bog to the Department of Fish and Wildlife in 2004. Since that time, the Department of Fish and Wildlife has protected over 300 acres abutting the site.

Additionally, a conservation restriction (CR) was placed on 55 acres of privately owned land on Route 9 in west Goshen. The CR is held by the Trustees of Reservations and The Hilltown Land Trust.

Forested land makes up the largest land use category in Goshen accounting for 85 percent of Goshen's land. Residential land use is the third most common type of land use. This category includes small (under ¼ acre lots), medium (lots of 1/4 acres to ½ acre), large (lots of 1/2 acres to one acre), and very low density (lots larger than one acre). Together, active agriculture and pasture form over 400 acres of land. These uses are another visual characteristic of Goshen. The portion of land related to residential uses has been growing in recent years. The town is under pressure from residential development and protecting forested land from development will be key to maintaining Goshen's rural character.

## 2012 Goshen Open Space & Recreation Plan

<b>Goshen Land Use</b>		
Rank	Use	Acres
1	Forest and Forested Wetland	9,657
2	Non Forested Wetland	416
3	All Residential	401
4	Water	215
5	Active Agriculture	214
6	Pasture	195
7	Powerlines	80
8	Active Recreation	58
9	Parks and Institutional Open Space	27
10	Mining	22
11	Commercial	21
12	Industrial	11
13	Water Recreation	2

*Source: 2005 Mass GIS Land Use Codes*



## **C. Water Resources**

### **Watersheds**

Surface water drains in two directions: southwest and southeast. A small portion of northeastern Goshen lies within the Deerfield River Basin and is drained via the Poland Brook sub-basin. The majority of land in Goshen is within the Westfield River Basin, which is drained by way of Webster Brook and the Swift River sub-basins. Almost one-third of Goshen lies within the Connecticut River Basin. This area is drained via the west branch of the Mill River, Rogers Brook and Granny Brook.

### **Surface Water**

Goshen has six major bodies of water. Upper and Lower Highland Lake are northeast of Goshen Center. These two separate lakes border D.A.R. State Forest and are connected by a small stream. Hammond Pond in the south side of town is the approximate size of the Upper Highland Lake. Damon Pond lies mostly in Chesterfield but has approximately 1/3 of its surface in the southwest corner of Goshen. Lilly Pond located ½ mile west of D.A.R. is approximately 20 acres and contains a bog. Sears Meadow Pond, also known as Sears Meadow Reservoir, is northwest of the town center.

Many other smaller bodies of water are scattered across the landscape primarily located along streams and in wooded areas. Most of the 215 acres of open water in Goshen are comprised of the six large ponds. These water bodies offer valuable wildlife habitat, unique natural environments, and provide benefits to Goshen's human inhabitants in the form of prime recreational opportunities

### **Aquifer Recharge Area**

Goshen does not have any major aquifer recharge areas within its town boundaries, according to the "USGS Hydrologic Atlas Series on Groundwater Favorability in Massachusetts". However, Goshen does have several areas of surficial geology described as "sand and gravel deposits", which may be worth exploring further as potential well sites ("USGS Hydrologic Atlas Series on Groundwater Favorability in Massachusetts"). These areas are located at:

- Wing Hill Road at Wing Hollow Road
- Route 9 at East Street
- Route 9 at Lithia
- Hyde Hill Road near Blake Brook

### **Flood Hazard Areas**

According to the 1978 Flood Insurance Rate Map, the location and limits of the 100-year floodplain lie adjacent to several watercourses in Town. They are widely dispersed and include (from north to south) the Sears Meadow west of Route 112 and between that road and Sears Road; west of Sears Swamp between Spruce Corner Road/Barrus Road and Sears Road along both banks of East Brook; along the east side of Route 112 south of the Ashfield line north and south of the Good Time Stove Company; around Upper and Lower Highland Lakes; the northeast corner of Town west of Wing Hill Road; Lower Highland Swamp east of Camp Howe and north of

East Street; east of East Street along Rogers Brook; and various smaller areas throughout the Town, shown on the Water Resources Map.

### **Wetlands**

Goshen has a variety of natural resources including several forested and wet meadow wetlands. A great diversity of species is dependent upon the wetlands and riparian areas in Goshen. Maintaining the integrity of wetlands is important to provide food, shelter, and breeding habitat for various species, and to provide temporary flood water storage.

Wetlands include rivers, ponds, swamps, wet meadows, beaver ponds, and land within the FEMA-defined 100-year flood area. Wetland areas are home to frogs, fish, freshwater clams and mussels, beaver, otters, muskrats, great blue herons, waterfowl, and bitterns. Wetlands are specialized habitat areas that are always wet or are wet for extended periods of time during the year. The types of wetlands in Goshen include marshes, bog, vernal pools, ponds, streams and river. The Commonwealth of Massachusetts regulates activities in and around wetlands in Goshen through the Wetlands Protection Act Regulation 310 CMR 10.00, and enforced by the local Conservation Commission. Wetlands provide important wildlife habitat and play a critical role in maintain water quality by serving as natural filters for nutrients, toxins, and sediment that would otherwise move directly into surface and ground waters.

There are approximately 416 acres of non forested wetlands and 316 acres of forested wetland in Goshen. Wetland habitats in town occur primarily along the streams and rivers as well as in lands adjacent to the 6 major ponds in Goshen. If open waters are included in this accounting, the total acreage of wetlands in Goshen rises to 947 acres. These wetlands and flood areas in are shown on Goshen's Water Resources Map.

## **D. Vegetation**

Lands within Goshen support a wide variety of coniferous and deciduous forests, grasslands, wetlands, and riparian vegetation. There are approximately 9,500 acres of forest, 400 acres of non forested wetlands, 200 acres of agriculture, and approximately 200 acres of pasture. The town has expanses of permanently and temporarily protected vegetated open space located within a North Central Hardwoods-Hemlock-White Pine zone. Lush and diverse vegetation is critical to the quality of life in Goshen.

### **Forest Land**

According to Massachusetts Geographic Information System, Goshen has 9,657 acres of forested land and forested wetland in 2005. Approximately 85 percent of Goshen is forested land with combinations of mixed hardwoods and conifers such as white pine, red oak, red maple, black birch, white birch, white ash, sugar maple, yellow birch, beech, hickory, black cherry, white oak, aspen, gray birch, cedar, hop hornbeam, and pitch pine. The floodplains and wetlands support a variety of native trees such as silver maple and willows.

### **Public Shade Trees**

Goshen's town center has a healthy cover of public shade trees. Many of the roads in town are also lined with public shade trees. The town is responsible for maintaining public trees in the cemetery, parks and on all other town properties. However, the majority of trees in town are



not actively maintained by the town. These trees and stands of trees are present where forest meets existing roadways.

### **Agriculture**

According to Massachusetts Geographic Information System, Goshen has 214 acres of Active Agricultural Land. In addition Goshen has 195 acres of Pasture land. In the early days of Goshen's settling, there was much more active farming and pasture land. Open fields are part of what makes Goshen stand out visually from other parts of the Pioneer Valley. If left unmaintained these fields and pastures will revert back to forest.

### **Wetland Vegetation**

As of 2005, according to Massachusetts Geographic Information System, Goshen had approximately 416 acres of forested wetland and approximately 316 acres of non-forested wetland. These areas and the associated vegetation are important resources for wildlife. The vegetation provides food, nesting material, and cover to many species of animals.

### **Rare Species**

Various uncommon plants present to some degree in Goshen, mostly associated with the Lilly Pond bog, include<sup>3</sup>:

- Purple Fringed Orchis (*Habernaria finbriata*)
- Marsh Cinquefoil (*Potentilla palustris*)
- Sundew (*Drosera sp.*)
- Rattlesnake Plantain (*Goodyera sp.*)
- Spotted Wintergreen (*Chimphila maculata*)
- White Baneberry (*Actaea pachypoda*)
- Bur Marigold (*Biden cernua*)
- Spotted Corralroot (*Corallorhiza maculate*)

The Massachusetts Natural Heritage and Endangered Species Program (NHESP) lists Black Cohosh (*Actaea racemosa*) as an Endangered plant species in Goshen. It is a vascular plant with observed historic habitat in Goshen. There are no other Rare, Endangered or Species of Special Concern plants listed for Goshen.

### **Unique Natural Resources**

Goshen is home to many unique natural resources including large tracts of forests, potential vernal pools, streams and rivers, several ponds, and several rock outcroppings. Sears Meadow and the Lilly Pond and associated bog are rare environments. These unique types of wetland are valuable to humans and wildlife in the form of flood control and habitat.

Lilly Pond approximately one half mile west of DAR was recognized by National Heritage and Endangered Species Program as a priority natural community in Goshen. The Lilly Pond bog is a wild 20 acre floating mat of vegetation. Some unique species in the area include Leatherleaf, Bog Rosemary, Bog Laurel, Pitcher Plant, Round-leaved Sundew, Virginia Cottongrass, and Rose Pogonia. This parcel of land was identified as a priority for land protection in by NHESP in 2001. The Five College Consortium donated 20 acres including the bog to Department of Fish and

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<sup>3</sup> Town of Goshen. September 2003. *Open Space and Recreation Plan*.

## 2012 Goshen Open Space & Recreation Plan

Wildlife in 2004. Since that time Department of Fish and Wildlife has protected over 300 acres connected to the site.

Both Upper and Lower Highland Ponds and the connected lands of DAR State Forest are unique natural resources. These locations provide great opportunity for recreation and provide quality habitat for many types of flora and fauna. Likewise the rivers and streams of Goshen are valuable resources and should be protected.



*Lily Pond Wildlife Management Area*



## **E. Fisheries and Wildlife**

Although a detailed inventory has not been completed in Goshen, there is a variety of wildlife that has been observed. This includes, but is not limited to, deer, moose, mink, muskrat, otter, porcupine, fishers, fox, eastern coyote, bobcat, bald eagle, and black bear. The return of beaver to the region has led to the creation of wetlands that provide excellent habitat for many species of transient and migratory bird life.

### **Vernal Pools**

A vernal pool is a seasonal wetland contained in a depression that lacks a permanent above ground outlet. It appears when the water table rises in the fall and winter, when the snow melts in the late winter and early spring, and with runoff from rain. The water lasts for a few months in the spring and early summer. By late summer, a vernal pool is generally dry or is otherwise free of fish. The periodic drying does not support breeding populations of fish, but many organisms have evolved that must use a vernal pool for various parts of their life cycle. Species such as the mole salamander, the wood frog, and the fairy shrimp have come to be known indicators of the existence of vernal pools.

Vernal pools range in size and are generally shallow (about three to four feet deep). Pools might be found in low areas of a forest, in the floodplain of a river or stream, within a vegetated wetland, in an open field, between coastal dunes, in abandoned quarries or natural rock formations and other areas where water might pool.

There are no certified vernal pools in Goshen. However, 11 potential vernal pools been observed for many years. Among the areas they can be found are: west and south of the intersection of South Main Street and South Chesterfield Road; and, on the west side of Route 9 south of the used car lot, north of the intersection with Ball Road.

Wood frogs, red spotted newts, and mole salamanders live in upland forests, but migrate to ancestral vernal pools to lay their eggs in early spring. The eggs hatch in the pool, and, in the case of the frogs, the tadpoles develop in the pool and eventually follow the adults to the adjacent uplands.

### **Corridors**

Goshen serves as an important wildlife corridor, both aquatic and terrestrial, in this part of western Massachusetts. The proximity to large contiguous tracts of forest land in neighboring towns, and its dual citizenship within the upper Westfield River watershed and the upper Mill River watershed grant it important headwater stream status.

### **Rare Species**

The town has a diversity of major habitat types. Its rivers, wetlands, forest, meadows, and hilltop ridges provide sustenance, mating grounds, and vegetated cover to the wildlife dwelling within. Since many species rely on a variety of habitat types during different periods of their life cycle, species diversity is greatest in areas where several habitat types occur in close proximity to one another. When habitats are of high quality and ample quantity, wildlife populations thrive. Selected areas are of great importance to the survival of rare and endangered species.

## 2012 Goshen Open Space & Recreation Plan

The species listed as Special Concern, Threatened, or Endangered by Massachusetts Natural Heritage Program are the same species listed in the 2003 Open Space and Recreation Plan. No changes in status have taken place.

<b>Threatened, Endangered and Species of Special Concern in Goshen</b>				
<b>Type</b>	<b>Common Name</b>	<b>Scientific Name</b>	<b>Status</b>	<b>Last Seen</b>
Bird	Sedge Wren	<i>Cistothorus platensis</i>	Endangered	1995
Dragonfly	Harpoon Clubtail	<i>Gomphus descriptus</i>	Endangered	1996
Dragonfly	Riffle Snaketail	<i>Ophiogomphus carolus</i>	Threatened	1996
Amphibian	Jefferson Salamander	<i>Ambystoma jeffersonianum</i>	Special Concern	1993
Reptile	Wood Turtle	<i>Glyptemys insculpta</i>	Special Concern	2007
<i>Source: Massachusetts Natural Heritage Program</i>				

Three rare species of turtle are found in the wetlands of the watershed: the Eastern Box Turtle, the Spotted Turtle, and the Wood Turtle. Spotted turtles inhabit a variety of wetland habitats in Massachusetts, including marshy meadows, wet woodlands, boggy areas, beaver ponds, and shallow muddy-bottomed streams. They can be found in Red Maple and Atlantic White Cedar swamps and woodland vernal pools. They require a soft substrate and prefer areas with aquatic vegetation.

Several rare amphibians are known to inhabit the wetlands and forest of Goshen including three salamanders and one toad and one frog species: the four-toed salamander, the Spring Salamander, the Jefferson Salamander, the Eastern Spadefoot Toad, and the Gray tree frog.

Historically the waters of the Westfield and Connecticut basins were home to large numbers of salmon, trout and other fish. European settlement of these basins downstream of Goshen during the seventeenth century, with its accompanying development of dams and mills, began to change the quality and character of the surface water. In the 1930s and 1940s the Mill River was still one of the best-stocked streams in the state. However, by the 1950s pollution from industrial and domestic sources had ruined the larger rivers and streams for fishing and recreation. In the 1970s, local volunteer teams began orchestrating a streams cleanup. By 1983, most streams were clean enough to stock again. Current stocking efforts of trout and Atlantic salmon (*Salmo salar*) occur in several tributaries and lakes throughout Goshen. However, dams located downstream in the lower Pioneer Valley (e.g., Mill River in Northampton, and the ACOE Knightville Dam in Huntington) limit migration patterns of most Atlantic salmon.

## **F. Scenic Resources and Unique Environments**

### **Scenic Resources**

Daughters of the American Revolution (DAR) State Forest, the first DAR forest in the United States, was established in 1929 when the Massachusetts Chapter of the Daughters of the American Revolution arranged for the donation of 1020 acres of land to the State to be used as a forest preserve. It includes public beaches at Upper Highland Lake, picnic and day use areas,



hiking trails, boat ramps, fishing and other multi-use recreation. There are no public beaches at Lower Highland Lake and Hammond Pond.

Tilton Farm, approximately 71 acres of town owned land with a variety of recreational opportunities including ball fields, volleyball court, pavilion, nature trail and open pastures. The farm is bordered to the north by the DAR State Forest.

Both Upper and Lower Highland Lake are scenic natural resources. These two lakes border DAR State Forest. Public access is only allowed on Upper Highland Lake at the DAR State Forest.

### **Historic Areas**

Several noteworthy historic sites exist. Beals Home Stagecoach Depot on Beals Road (1792) and its associated abutments of a bridge spanning a nearby stream are historic.

The Dresser Hill Sites (ca. 1846), consisting of George Dresser's house, with possible cellar hole of an earlier house and the associated remnants of the Reuben Dresser sawmill foundation are historic.

The town center with Town Hall (1911) and Center School (1923) are not the original buildings in town but are historic.

Other historical archaeological sites and structures which have not been inventoried include the Potato Hole, possibly a stone barn built into the side of a hill in the northeast portion of town near the Conway town line. The Goshen tunnel above the Goshen Cemetery, the stone arched bridge at the foot of Sabo's Hill on West Street.

Several partial foundation walls from small mills are scattered around town as well.

### **Unique Environments**

The following places have been identified by the residents of Goshen for their contribution to the character of Goshen. Although similar environments may exist throughout western Massachusetts and New England, these special places are noteworthy in Goshen:

1. Sears Meadow, a shallow wetland located in the northern portion of town.
2. West Branch of the Mill River, a small meandering stream located in the upper elevations of the Connecticut Basin. The West Branch of the Mill River drains Lower Highland Lake, which is located south of the DAR State Forest. The stream enters the Mill River in Williamsburg and travels through the City of Northampton. Due to historical mill operations, the Mill River has several low head dams and related appurtenant structures which impound water and limit fish migration. The Mill River enters the Connecticut River along the southern border of Northampton. On a yearly basis the West Branch of the Mill River is stocked with salmon fry.

## 2012 Goshen Open Space & Recreation Plan

3. Rogers Brook, a small stream filled with native trout and stocked yearly with salmon fry. Rogers Brook is located along the western ridge of the Connecticut Basin and empties into the Mill River in Williamsburg.
4. Webster Brook drains the upper eastern ridge of the Westfield Basin and is formed by way of several intermittent streams. This sub-basin has been known to support a variety of wildlife including but not limited to Black Bear and Moose.
5. Lilly Pond, considered a peat bog, which is somewhat unique to Massachusetts. The MA Fish and Wildlife Department purchased a conservation restriction on approximately 59 acres bordering Lilly Pond for wildlife habitat protection, now called the Lily Pond Wildlife Management Area.
6. Damon Pond – Only a portion of Damon Pond is within Goshen town boundaries. There are several summer cottages along the shore of the pond.
7. Hammond Pond – Approximately 45 acres with a private beach and boat launch for members. Currently there is no swimming access for non-member town residents.

At present, Goshen does not have any areas designated as Areas of Critical Environmental Concern as designated by Massachusetts Department of Conservation and Recreation. It may be a course of action for the Open Space Committee to investigate. High water quality (Class A designated areas), a large percentage of wetlands acreage, a significant volume of listed endangered species, extensive inland surface waters, natural hazard areas, habitat resources, and special use areas are all examples of natural resources that would make an area qualified for status as an Areas of Critical Environmental Concern.

## **G. Environmental Challenges**

### **Hazardous Waste**

There are four reported releases of oil or hazardous materials in Goshen between 1997 and 2009 in Mass DEP's 21E Reportable Releases Database. All of the releases have been cleaned up and Release Abatement Outcome (RAO) status achieved.

### **Landfills**

Landfill sites are located on East Street, with a former landfill located on Highland Road on the West Branch of the Mill River. Both landfills are regulated and monitored by MA DEP and there are no known contamination issues associated with them.

### **Erosion**

Goshen is a Hilltown with many peaks and valleys. The soils of Goshen are generally poorly draining and the substrate is often made up of granite and similar material. Erosion, beyond what is expected in natural settings, is not a significant concern.

### **Chronic Flooding**

The 100 year floodplain and wetlands of Goshen are the main resources to collect excess water and protect town from flooding. Flooding is expected and considered normal in Goshen's



wetlands and floodplain. The wetlands and floodplain serve to control flooding of other areas, water storage, and filtration.

### **Sedimentation**

The areas around Hammond Pond and the Highland Lakes are generally more densely developed than other residential areas in town. Poor landscaping techniques, soil disturbance, and the use of sand in the winter can lead to sedimentation of the nearby water bodies.

### **New Development:**

Goshen has seen approximately five new single family residences built every year for the last 20 years. This slow and steady rate of development will change the character, landscape, and quality of life in Goshen if left to progress. If Goshen wishes to preserve the large tracks of forest, open space, and fields in town the town must seek ways to limit or mitigate the impacts of new development. Many useful zoning tools could be adopted that can successfully limit the visual impact and habitat destruction of new development while still allowing for economic activity and new construction.

### **Ground and Surface Water**

Very few areas in Goshen possess soils that have good drainage characteristics required for proper on-site sewage disposal. Based on historical Goshen Board of Health records, failing septic systems have occurred particularly in the Hammond Pond area and the Highland Lakes region. These areas are generally more densely developed than other residential areas in town and contain significant seasonal populations.

Heavy use of road salt in winter months can also contaminate groundwater and wells.

### **Invasive Species**

Invasive species are a concern in areas of land that have been recently disturbed or degraded. If these lands are not carefully replanted with native species the landscape will allow invasive species to flourish. Goshen has fewer developments and thus less opportunity for invasive species than many surrounding communities; however, invasive species are still a concern. Some common invasives found in areas of Goshen include Japanese knotweed, Japanese barberry, Asian bittersweet, multiflora rose, purple loosestrife, and garlic mustard.

Land owners of the 1,838 acres of land in Chapter 61 are required to have active forest management plans. These acres are generally distributed throughout town. Additional acreage at DAR State Forest, Lily Pond Wildlife Management Area put roughly half of the land in Goshen under some level of forest management plan. These plans not only evaluate the use of land for timber harvest but also protection of native species and forest community ecosystems. Invasive species management is an important component of any forest or land management plan.

### **Environmental Equity**

The many parks and parcels of open space ensure that residents have access to recreation lands. Due to Goshen's rural nature, access to land open for public recreation requires driving for most residents. Two state owned parks/wildlife management areas (DAR State Forest and Lily Pond Wildlife Management Area) provide the residents with ample access to trails and swimming. Most other access to open space is provided through privately owned land. Lands in Chapter 61,



## 2012 Goshen Open Space & Recreation Plan

61A and 61B are evenly distributed through town. Accessing these lands does require permission from the land owner thus accessibility not available to all.

All new facilities built or substantially remodeled in Goshen are American with Disabilities Act compliant as per national law. Many sites however remain inaccessible to those with disabilities.





## SECTION 5: INVENTORY OF LANDS OF CONSERVATION & RECREATION INTEREST

The inventory of lands of conservation and recreation interest describes ownership, management agency, current use, condition, recreation potential, public access, type of public grant accepted, zoning and degree of protection for each parcel. The degree of protection from destruction or degradation that is afforded to various parcels of land owned by private, public, and nonprofit owners is also evaluated.

- Private lands can be protected in perpetuity through deed restrictions, or conservation easements (yet some easements only run for a period of 30 years and those lands are therefore not permanently protected open space).
- Lands under special taxation programs, Chapter 61, 61A or 61B, are actively managed by their owners for forestry, agricultural, horticultural or recreational use. The town has the right of first refusal should the landowner decide to sell and change the use of the land, therefore, it is important to prioritize these lands and consider steps the community should take to permanently protect these properties.
- Lands acquired for watershed and aquifer protection are often permanently protected open space.
- Public recreation and conservation lands may be permanently protected open space, provided that they have been dedicated to such uses as conservation or recreational use by deed. Municipal properties may be protected via the Town Meeting or City Council vote to acquire them.
- Private, public and non-profit conservation and recreation lands are protected under Article 97 of the Articles of Amendment to the State Constitution.

### **Chapter 61 Tax Program**

Each program provides a means to assess land at its current use (forest, agriculture, or open space/recreation) as opposed to its development value.

*Chapter 61* - Intended for landowners interested in long-term, active forest management. Assessment of forestland under Ch. 61 is based on the land's ability to grow timber.

*Chapter 61A* - Intended for landowners engaged in agricultural or horticultural use. Assessment is based on the land's ability to produce the agricultural or horticultural product being grown. Forestland may be enrolled in this program and is based on your land's ability to grow timber.

*Chapter 61B*- Intended for landowners interested in maintaining the land in a substantially natural, wild or open condition. Assessment of forestland under Ch. 61B is 25% of the current assessed value of the land.

### **A. Private Parcels**

Approximately 3,387.57 acres of privately owned land in Goshen is protected under the Chapter 61 program, for agriculture, forestry, or recreation. 1,838.62 acres of land is in the Chapter 61 program, 877.05 acres of land is in the Chapter 61A program, and 671.92 acres of land is in the Chapter 61B program. A detailed spreadsheet of land by owner is included in the Appendices along with the parcels mapped on the Recreational and Protected Open Space Map.

## **B. Public and Nonprofit Parcels**

There are 2,789.91 acres of land owned by a public agency or non-profit that has designated recreational or conservation purposes. These lands are mapped on the Recreational and Protected Open Space Map, and a table identifying them is included in the appendices.

### *Lilly Pond Wildlife Management Area*

Lilly Pond was identified as a priority for land protection in 2001, Department of Fish and Wildlife has protected over 300 acres at this site. In 2004, the 20-acre bog itself was donated to DFW by the previous owner, Five Colleges, Inc.

### *Tilton Town Farm*

Tilton Town Farm is a parcel of land subdivided into three smaller parcels. One of the three is being used as a primary residence and another is a field for haying. The third parcel, comprising over 73 acres, contains ball fields and picnic areas. There is also a section dedicated to a nature trail, currently under construction with funding provided by a 2009 DCR Trails Grant. Tilton Town Farm is located on West Wing Hill Road and is bordered by a wooded state park.

The main entrance to the park is a dirt road that is not maintained in the winter. There is a 3:1 slope to the road. There are benches adjacent to the lower ballpark that do not have arm or back rests. The upper ball field is accessed by a dirt road. It has bleacher-style seating, and there is no handicap area in the parking lot. There is a Porta-Potty that is not handicap-accessible.

There is a picnic area adjacent to the ball field, which is accessed by the same dirt road. The picnic tables are not wheelchair-accessible and there is no handicapped parking. The nature walk is located in a wooded section and the path consists of dirt and rooted terrain.

*ADA recommendations: Install and maintain a paved roadway entering the ballparks, complete with handicapped parking. Provide picnic tables that are wheelchair accessible.*

### *Town Office Playground*

Town Office Playground is located adjacent to the Town offices. The tot playground consists of a swing set and slide that are not handicap adapted. The adjacent parking lot, for the Town offices, has two handicap parking spaces. There is no pathway connecting the parking lot to the playground. The ballpark that is adjacent to the playground has two benches that do not have sides or backs. There is no public restroom located in the Town Office Playground.

*ADA recommendations: Provide handicapped adaptable swing sets and slides and a paved path to the tot area and ball field; provide public restrooms that are accessible to the handicapped.*

### *Town Tennis Courts and Tennis Court Park*

The asphalt tennis courts are adjacent to a paved parking lot. There are no specified handicapped spaces in the parking lot, but there is access. The courts are cracked, unmanageable for a wheelchair. There are no public restrooms.

*ADA recommendations: Refinish the surface of the court. Provide handicapped parking spaces.*



*Town Cemeteries*

The town cemetery is not accessible for the handicapped; the entrance is a dirt road with a slope of 3:1. The road is not maintained in the winter and there is no off-road parking.

*ADA recommendations: pave the entrance road and provide parking spaces accessible to the handicapped.*

*DAR State Forest*

DAR State Forest was established in 1929 when the Daughters of the American Revolution (DAR) donated 1,020 acres to the Commonwealth. Almost 750 additional acres have been acquired since then, including Upper and Lower Highland Lakes. DAR offers a popular beach for swimming on Upper Highland Lake, and a shady picnic area. A group picnic pavilion can be reserved. The campground offers 50 campsites and a private beach. Wheelchair-accessible campsites are available and may be reserved. A reserved group campsite is also available. Non-motorized boats may be launched at ramps in both lakes. Ice fishing and skating are popular. More than 15 miles of marked trails wind through the woods, offering year-round opportunities for hiking and horseback riding. In winter these trails are popular with cross country skiers, snowshoers, and snowmobilers. Many trails and all restrooms are accessible.



## **SECTION 6: COMMUNITY VISION**

### **A. Description of Process**

#### *Public Survey*

The Open Space Committee issued a public survey for a 60-day period in the Spring of 2011. Unfortunately only 43 responses were received. Despite the low response rate (4% of total population; 5.3% of the population over the age of 20), the Committee believes the responses to be of value and opted to include them as part of the plan analysis to understand open space and recreation use patterns and preferences within the community. A full copy of the survey results are provided in the Appendix.

Based on survey results, D.A.R. State Forest is the most “often” used recreational facility, with Tilton Town Farm, and Lily Pond coming in second and third respectively. Facilities “never” used by residents include tennis court park (78%), town tennis courts (74%), and the town office playground (65%). In terms of recreational activities, trail use at D.A. R. State Forest is the most “often-used” activity (49%), with 46% of respondents “never” using Tilton Town Farm’s trails. Of the eight surface water resources listed, the most widely used are Upper (40%) and Lower (37%) Highland Lake. Under “other places for recreation”, the most noted locations were local roads. Non-motorized trail use is the number one recreational activity enjoyed by local residents (78%) followed by swimming (75%), bird watching (71%), boating (44%), and road biking (32%).

Relative to goals and objectives, survey respondents identified protecting water quality (100%) as important to them, followed by protecting forests (98%), protecting farmland (95%), and preserving rural character (91%). Supporting those priorities, respondents consider the following resources the most important to protect: wildlife habitat (86%), groundwater/aquifers (84%), forest land (80%), farmland (68%), and land with scenic views (52%).

#### *Draft Plan Public Comment Period*

The final draft of the Plan was issued for a 30-day public comment period in November 2011. An electronic version of the plan was posted on the Town website and a paper copy available at the library and the Town Offices. Notice of its availability was sent to each of the town boards and posted in the local newspaper. Comments were submitted in writing to PVPC, reviewed by the Open Space Committee and incorporated into the final plan.

### **B. Statement of Open Space and Recreation Goals**

Goshen residents cherish the scenic landscape all around them and want to maintain the rural character of their community and the quality of life it affords them. Most integral to Goshen’s character are the protection and management of forests, protection of water quality, active agriculture, and healthy, diverse and contiguous wildlife habitats. Residents seek to continue and expand upon the many forms of outdoor recreation found in Goshen including trails for hiking, snowmobiling and horseback riding, and swimming areas open to the public.



## SECTION 7: ANALYSIS OF NEEDS

### A. Summary of Resource Protection Needs

The results of the public outreach and participation process engaged in as part of the 2011 OSRP update remain similar to those identified in the 2003 plan. Residents continue to value wildlife habitat, farmland, forests, the scenic rural character, and their local aquifer drinking water supplies. Unfortunately, the quality of these resources is threatened indirectly through the ways humans use the landscape. New development, if poorly planned, could have a negative impact on both quality and quantity of all these resources. Further, of the land in Goshen, only a small percentage is permanently protected from development, and most is privately owned. Only a few areas guarantee public access for recreation including D.A.R. State Forest, Lily Pond Wildlife Management Area and Tilton Town Farm. Residential sprawl has the potential to fragment wildlife corridors, diminishing ecological integrity of these important critical natural lands. Coincidental to disrupting ecological value, residential sprawl can also interrupt scenic views and landscapes, degrade rural character, and prevent the development of continuous trail development across large areas.

The ways in which lands are protected from development produce different values. For example, lands that are protected through the use of a conservation restriction can stay in private ownership. This results in having the decisions regarding the property's management in the hands of individuals, instead of a non-profit or a state or federal agency, which may not respond well to local concerns. In this example, the land also remains on the local property tax rolls. Although public access is sometimes required in conservation easements purchased by state conservation agencies and land trusts, it is not guaranteed. Lands that are purchased by state agencies and large land trusts are likely to provide access to the general public and sometimes offer payments in lieu of taxes. The question of connectivity, management, and public access will gain importance as the population of Goshen grows.

As required by MA Department of Conservation Services, municipal Open Space and Recreation Plans must include information from the Statewide Comprehensive Outdoor Recreation Plan (SCORP)<sup>4</sup> and how it relates to the community. The SCORP performed a recreation and open space needs assessment by region to inform an understanding of what people want most and what they are willing to support. In the SCORP, a distinctive pattern emerges in the Connecticut Valley Region, including the hilltowns of Hampshire and Hampden Counties. Hiking (10.7% and playground activity (11.1%) ranked high with swimming and road biking, but also hiking, mountain biking (10.3%) and cross country skiing (4.1%) are ranked higher than in any other region. Thus, the region's expanses of open space attract residents that enjoy outdoor sports suited to their backyards.

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<sup>4</sup> *Massachusetts Outdoors 2006: Statewide Comprehensive Outdoor Recreation Plan*. MA Executive Office of Energy and Environmental Affairs.



## **B. Summary of Community's Needs**

Planning for a community's open space and recreation needs must work to satisfy the present population's desires for new facilities, open spaces, and services and also interpret and act on the available data to prepare for the future needs of the Goshen residents. Although the OSRP will be updated in seven years, the types of actions that are identified in Section 9 take into account the needs of the next generation as well.

During the recent survey, citizens were asked to indicate how often they use certain open space areas and recreational facilities. Overall, Goshen residents revealed a relatively high use of the D.A.R. State Forest. Other facilities "sometimes" used included Lily Pond, Tilton Town Farm, the town office playground, and the town tennis courts, respectively. However, most of the parcels of land that are permanently protected in Goshen are located along the outer edges of town and surrounded by private land. The DAR is a large tract of land but is not contiguous with other permanently protected parcels of land; hence, there is no permanent greenway corridor which would guarantee the protection of both new and established hiking/snowmobile trails. In addition, both Hammond Pond and Lower Highland Lake restrict public access. Access to canoe launches or swimming opportunities is limited to the Upper Highland Lake in the DAR State Forest.

People who are physically handicapped are challenged to find conservation lands and spaces that are accessible in Goshen. Most of the town owned land is grass fields and gravel roads of nearly level terrain. The ADA survey of local recreational facilities notes where ADA compliant improvements could be made to improve access for handicapped persons.

## **C. Management Needs, Potential Change of Use**

There are several techniques that can be used by towns and conservation land trusts for directing new growth and protecting those areas that are recognized to be the most important natural resources. Strategies for consideration include changes to the local zoning code, land conservation, and education and outreach about land protection options including estate planning.

For example, a transfer of development rights (TDR) bylaw seeks to preserve open space like farm and forestland while promoting compact residential development or commercial development near town or village centers. It is intended to steer development away from open space areas targeted for preservation, and toward village centers targeted for growth. A typical bylaw creates two zoning districts: a preservation district (sending zone), and a commercial or compact residential district (receiving zone). Development rights are transferred from the sending zone to the receiving zone in effect preventing further development in the sending zone and encouraging denser development in the receiving zone. Typically the receiving zone will have standards for managing stormwater runoff and other site plan review criteria to ensure protection of a village character atmosphere and local natural resources.

The Goshen Planning Board began a review of its local zoning bylaw in 2007 and again in 2010 but has not implemented any significant changes. A bylaw to protect stone walls was presented at the 2010 Annual Town Meeting, but due to some procedural issues with the vote, it needs to be re-presented at another Town Meeting for adoption. The Planning Board has expressed



interest in working on new bylaws to provide site plan review standards for wind power facilities for the protection of scenic and rural character, and evaluate alternatives to typical ANR roadside residential development such as Conservation Subdivisions that offer protection of natural areas through increased density in other appropriate site locations.

Purchasing a landowner's development rights is a very common technique used by state, federal, and non-profit conservation agencies. A landowner has many rights associated with owning land including the right to farm, harvest wood, drill for water, and mineral rights. The amount of money that a land trust might pay a landowner for their development rights is equal to the difference between the value of the land as building lots for residential or commercial structures and its value as open land in its undeveloped and protected state. An example is the Agricultural Preservation Restriction (APR) Program. The APR program pays the landowner/farmer/forester the value of their land's development rights. In return, the landowner retains ownership of the land, continues to pay property taxes, and will be able to easily pass this land onto their next generation (i.e., the land could stay within the family).

Although conservation restrictions are a common practice, most landowners are not aware of them, how they work, potential land conservation partners, etc. This is where education and outreach to landowners comes in. Most of the undeveloped land in Goshen is privately owned and unprotected from development. The Open Space Committee has been very active in recent years hosting landowner conservation education events. Some of the training was provided in partnership with UMASS Cooperative Extension, The Trustees of Reservations Highland Communities Initiative, and the Hilltown Land Trust as part of the Neighbor Conservation Network project. This type of landowner education should continue and support local landowners interested in protecting their land with resources and contacts for potential partners.

Finally, aside from the desire to protect land, funding for fee-simple purchase of the land or a conservation restriction is critical to these efforts. In 2007, the Town of Goshen adopted the Community Preservation Act (CPA). The CPA was adopted at the maximum 3% local surcharge with an exception for low-income households. As of 2011, the CPA Committee has not spent any of their funds on the purchase of open space for conservation or recreation. Monies to date have been used primarily for historic restoration projects. CPA funds are a critical resource that can be used not only for the actual purchase of land or a conservation restriction but also for some of the pre-acquisition work such as land survey, deed and title research, legal fees, grant writing, etc. CPA funds can also be used as matching funds for land grants and/or private or non-profit supporting funds. CPA funds are an important resource that should be used wisely to meet the goals and objectives identified in the next chapter of this plan.

## **SECTION 8: GOALS AND OBJECTIVES**

Goshen residents cherish the scenic landscape all around them and want to maintain the rural character of their community and the quality of life it affords them. Most integral to Goshen's character are the protection and management of forests, protection of water quality, active agriculture, and healthy, diverse and contiguous wildlife habitats. Residents seek to continue and expand the many forms of outdoor recreation found in Goshen including trails for hiking, snowmobiling and horseback riding, and swimming areas open to the public.

*Goal #1:* The diversity, continuity and integrity of wildlife habitat and biodiversity are well-established and protected in Goshen.

*Goal #2:* Working farms and forests are healthy local resources and a thriving component of Goshen's vibrant rural character.

*Goal #3:* Goshen's rivers, lakes, ponds and aquifers are clean and protected from all sources of pollution.

*Goal #4:* Recreational resources and opportunities are accessible to the public.

### *Objectives:*

- A. Residents are well-informed about land conservation strategies and resources, including funding and technical assistance, for protecting their land, and able to implement protective measures when opportunities arise.
- B. Municipal employees, board and committee members are well-informed about land conservation strategies and resources, including funding and technical assistance, for protecting land in Goshen, and able to implement protective measures when opportunities arise.
- C. Local bylaws and regulations encourage smart growth and the protection of important natural resources.
- D. A network of trails exists throughout Goshen and connects to the surrounding communities and is accessible to residents.



## **SECTION 9: SEVEN-YEAR ACTION PLAN**

This section provides a detailed Action Plan spanning the next seven years for working toward the goals and objectives outlined in this plan. The Action Plan is intended to be a realistic, implementable plan for the coming years. Throughout the development of this plan, as well as in planning processes in neighboring communities, it has been widely recognized that all-volunteer boards are stretched extremely thin and sometimes experience “board fatigue” resulting in the loss of valuable committee members. To address this, the Action Plan targets key projects, partners and funding opportunities to implement important building blocks toward the achievement of the long-term goals outlined herein.

Three tenets are inextricably linked to each of the four goals:

- Land conservation through private and public means
- Support of working forest and farmlands
- Continued and expanded access to working lands (farm and forest) and conservation lands for recreation

There is no one size fits all approach to achieving any of Goshen’s goals for open space and recreation. Land conservation will require local, state and federal government investment through ownership and/or funding assistance. Non-profit land trusts can be critical partners either as outright land owners or the holder of a conservation restriction. Private land owners will need access to many potential partners to implement voluntary restrictions, and donations or sale of their land for conservation purposes.

Local Community Preservation Act funds are a critical source of funding that can be used in part or in whole for any number of the land conservation partnerships and strategies noted. State and federal grants will also be important. To maximize Goshen’s ability to apply for conservation grants, the community needs to be ready to act when the opportunity presents. This requires staying in touch with important land owners to know when opportunities for land protection may become available. It is recognized that there are typically only a few times in a land owner’s life when they start to plan for the future of their land. Estate planning can help a land owner meet their financial and personal goals relative to their land, and address a community’s goals for the protection of natural resources. Similarly, the community should be aware of and maintain working relationships with land trusts and other conservation organizations for technical assistance on these matters and potential access to funding.

Much of the same approach applies to development and expansion of trails and other recreational opportunities. The Open Space Committee has prioritized several on-going and successive trail projects for completion as part of this Action Plan. Building on past trail success at Tilton Farm, additional funding will be needed through grants and possibly local CPA funds.

Another critical component of land conservation is ensuring that local bylaws and regulations promote growth in areas where infrastructure exists and supports the protection of important natural resources.

2012 Goshen Open Space & Recreation Plan

Action	Responsible Entity	Date	Funding Source
<b>Objective: Residents are well-informed about land conservation strategies and resources, both funding and technical assistance, for protecting their land, and able to implement protective measures when opportunities arise.</b>			
Continue educational outreach to landowners about conservation options including conservation restrictions, estate planning, and limited development.	Open Space Committee; Hilltown Land Trust; TTOR HCI; UMASS Extension	2012-2019	
Based on Action Plan map priority areas, conduct targeted outreach to landowners about land conservation options including estate planning	Open Space Committee; Hilltown Land Trust; TTOR HCI		
Utilize Community Preservation Act funds for the purchase of land coming out of Chapter 61, 61A or 61B, and other privately owned lands available for sale.	Open Space Committee; Board of Selectmen; Community Preservation Committee	2012-2019	Goshen CPA funds
<b>Objective: Municipal employees, board and committee members are well-informed about land conservation strategies and resources, both funding and technical assistance, for protecting land in Goshen, and able to implement protective measures when opportunities arise.</b>			
Adopt local policy for first right of refusal for land coming out of Chapter 61, 61A and 61B for sale	Open Space Committee; Board of Selectmen		
Utilize Community Preservation Act funds for the purchase of land coming out of Chapter 61, 61A or 61B, and other privately owned lands available for sale.	Open Space Committee; Board of Selectmen; Community Preservation Committee	2012-2019	Goshen CPA funds
<b>Objective: Local bylaws and regulations encourage smart growth and the protection of important natural resources.</b>			
Develop Wind Power Bylaw	Planning Board;	2012-2013	

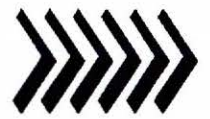


2012 Goshen Open Space & Recreation Plan

with Site Plan review standards to protect rural character and scenic views	Pioneer Valley Planning Commission		
Adopt Stone Wall Protection Bylaw at Annual Town Meeting	Planning Board	2012	
Develop Conservation Subdivision Bylaw / Flexible Residential Development Bylaw to offer alternatives to ANR	Planning Board; Pioneer Valley Planning Commission; HCI	2012-2013	
<b>Objective: A network of trails exists throughout Goshen and connects to the surrounding communities and accessible to residents.</b>			
Complete construction of Tilton Farm trail – South Loop	Open Space Committee	2011	
Make improvements to Tilton Farm Trail – North Loop; Apply for DCR Trails Grant	Open Space Committee	2012-2015	DCR Trails Grant
Work with Williamsburg Trail Committee and surrounding Towns to identify regional trail connections, and advance trail development	Open Space Committee	2013-2017	DCR Trails Grant; Goshen CPA

**SECTION 10: PUBLIC COMMENTS**





Catalyst for Regional Progress

**PVPC**

Timothy W. Brennan Executive Director

December 5, 2012

Melissa Cryan  
EOEEA – DCS  
100 Cambridge Street, 9<sup>th</sup> Floor  
Boston, MA 02114

RE: Goshen 2012-2018 Open Space and Recreation Plan

Dear Ms. Cryan:

The Pioneer Valley Planning Commission (PVPC) has reviewed the draft Goshen Open Space and Recreation Plan. The PVPC provided technical assistance to the town in developing this plan update.

The project Advisory Committee has engaged in a thoughtful and comprehensive update to their 2003 OSRP, addressing ecosystem needs as well as those of Goshen's residents. The plan seeks to protect the scenic, rural expanses of open space that characterize Goshen through strategies that offer residents a range of options when planning for the future of their land and the community. The Action Plan is also deliberately crafted and committed to those projects and initiatives the all-volunteer boards of the community are able to feasibly accomplish during the next seven years. The implementation strategies address actions for private landowners, community boards and officials, state agencies, the regional planning agency, and non-profit land conservation partners. This consortium approach adds all the "sticks" to the "bundle", building a strong foundation for open space protection and development of well-maintained recreational facilities. The goals and objectives of the Plan are also consistent with Valley Vision 2, the regional land use plan.

The PVPC will continue to offer assistance to the Town of Goshen to implement the Action Plan as well as other community planning efforts.

Sincerely,

Timothy Brennan, Executive Director

cc: John Judd, Chair, Board of Selectmen  
Joseph Frye, PVPC Commissioner  
Sandra Papush, Chair, Open Space Committee



TOWN OF GOSHEN  
Selectboard Office  
40 Main Street, P.O. Box 869  
Goshen, MA 01032-0106

Tel: (413) 268-8236

Fax: (413) 268-8237

December 5, 2011

Ms. Melanie Dana  
Open Space and Recreation Committee, Chair  
Town Offices  
PO Box 869  
Goshen, MA 01032

Dear Melanie:

The Select Board unanimously endorses the Open Space and Recreation Plan developed by your committee for the 2012 - 2019 period. We commend the committee for your hard work in producing this excellent document.

The Board supports the plan by the town. In addition, the board is committed to working cooperatively with the other town boards and local residents to help implement the Plan's recommendations.

The Open Space and Recreation Plan meets the Select Board's requirements, and I am pleased to convey the Board's endorsement of this Plan. We look forward to working with your committee on a continuing basis.

John D. Stellberger, Chairman

John L. Judd, Vice Chairman

Jon G. Adams, Clerk



Town of Goshen  
Planning Board  
PO Box 869  
Goshen, MA 01032

December 16, 2011

Open Space and Recreation Committee Chair  
Town Hall  
PO Box 869  
Goshen, MA 01032

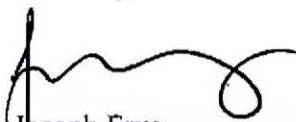
Dear Ms. Dana:

The Town of Goshen Planning Board discussed your proposed Open Space plan at its December meeting. It was the sense of the board that it enthusiastically endorses the Open Space and Recreation Plan developed by your committee for the upcoming period. We commend the committee for your hard work in producing this excellent document.

As you know the board has previously submitted a bylaw which directly addresses one of the goals in your plan and is committed to working cooperatively with the other town boards and local residents to help implement the Plan's recommendations.

The Open Space and Recreation Plan meets the Planning Board's requirements in all respects and I am pleased to convey the Board's endorsement of this Plan. We look forward to working with your committee on a continuing basis.

Sincerely,



Joseph Frye  
Secretary  
Town of Goshen Planning Board

cc: Anne Capra, Pioneer Valley Planning Commission



TOWN OF GOSHEN  
Conservation Commission  
40 Main Street, P.O. Box 869  
Goshen, MA 01032-0106

Tel: (413) 268-8236  
8237

Fax: (413) 268-

December 9, 2011

Ms. Melanie Dana  
Open Space Committee, Chair  
Town Offices  
PO Box 869  
Goshen, MA 01032

Dear Melanie:

The Conservation Commission endorses the Open Space and Recreation Plan developed by your committee for the 2012 – 2019 period. We commend the committee on the hard work involved in putting together this document.

The Commission supports the plan and is committed to working with other boards and local residents to help implement the Plan's recommendations.

Sincerely,

  
Sandra Papush, Chair  
Conservation Commission



## SECTION 11: REFERENCES

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## **SECTION 12: APPENDIX**

### Inventory of Land Ownership for Recreational and Protected Open Space

#### Maps

- Recreational and Protected Open Space
- Natural Lands – 2005 Land Use
- Soils
- Topography, Flood Plains, and Water Supplies
- Unique Features
- Action Plan

#### Open Space and Recreation Survey Summary

#### ADA Access Self-Evaluation

#### Funding and Technical Assistance Resources

## Recreational and Protected Open Space Map Definitions

### "Level of Protection"

**In Perpetuity (P)**- Legally protected in perpetuity and recorded as such in a deed or other official document. Land is considered protected in perpetuity if it is owned by the town's conservation commission or, sometimes, by the water department; if a town has a conservation restriction on the property in perpetuity; if it is owned by one of the state's conservation agencies (thereby covered by article 97); if it is owned by a non-profit land trust; or if the town received federal or state assistance for the purchase or improvement of the property.

Private land is considered protected if it has a deed restriction in perpetuity, if an Agriculture Preservation Restriction has been placed on it, or a Conservation Restriction has been placed on it.

**Temporary (T)** - Legally protected for less than perpetuity (e.g. short term conservation restriction or Chap61 lands), or temporarily protected through an existing functional use. For example, some water district lands are only temporarily protected while water resource protection is their primary use.

These lands could be developed for other uses at the end of their temporary protection or when their functional use is no longer necessary. These lands will revert to unprotected status at a given date unless protection status is extended.

**Limited (L)** - Protected by legal mechanisms other than those above, or protected through functional or traditional use.

These lands might be protected by a requirement of a majority municipal vote for any change in status. This designation also includes lands that are likely to remain open space for other reasons (e.g. cemeteries and municipal golf courses).

**None (N)** - Totally unprotected by any legal or functional means. This land is usually privately owned and could be sold without restriction at any time for another use (e.g. scout camps, private golf course, and private woodland).

Where the level of protection is unknown, a polygon will be coded as X for this field.

### "Public Access"

Y – Yes (open to public)

N – No (not open to public)

L – Limited (membership only)

X - Unknown

### "Primary Purpose"

R – Recreation (Activities are facility based)

C – Conservation (activities are non-facility based)



B – Recreation and Conservation  
H – Historical and Cultural  
A – Agriculture  
W – Water Supply Protection  
S – Scenic (official designation only)  
F – Flood Control  
Q – Habitat Protection  
U – Site is underwater  
O – Other (explain)  
X - Unknown

**“Owner Type”**

F- Federal  
S - State  
C - County  
M - Municipal  
N - Private Nonprofit  
P - Private for profit  
B - Public Nonprofit  
L - Land Trust  
G - Conservation Organization  
O - Other / None of the above (e.g. joint ownership)  
X - Unknown  
I – In-holding (a piece of unprotected property surrounded on all sides by a protected property or a recreational facility)  
Unconfirmed:  
1 - EOEAA or alternate state agencies  
2 - EOEAA or non-profit  
3 - EOEAA or municipality  
4 - EOEAA or private landowner

RECREATIONAL AND PROTECTED OPEN SPACE										
Parcel ID	SITE NAME	FEE OWNER	OWNER TYPE	PRIMARY PURPOSE	PUBLIC ACCESS	LEVEL OF PROTECTION	HOLDER OF RESTRICTION	TYPE OF RESTRICTION	HOLDER 2 OF RESTRICTION	Assessed Acres
2-7	CAMP HOLY CROSS	Roman Catholic Bishop of Springfield	N	R	L	N				91.01
2-8	CAMP HOLY CROSS	Roman Catholic Bishop of Springfield	N	R	L	N				20.25
2-15	CAMP HOLY CROSS	Roman Catholic Bishop of Springfield	N	R	L	N				25.70
2-17	CAMP HOLY CROSS	Roman Catholic Bishop of Springfield	N	R	L	N				77.57
2-18	CAMP HOLY CROSS	Roman Catholic Bishop of Springfield	N	R	L	N				56.70
2-22	CAMP HOLY CROSS	Roman Catholic Bishop of Springfield	N	R	L	N				3.30
2-38	CAMP HOLY CROSS	Roman Catholic Bishop of Springfield	N	R	L	N				14.96
2-10-3-1	D.A.R. STATE FOREST	DCR - Division of State Parks and Recreation	S	B	Y	P				1,510.10
4-5		Floyd S Merritt	P	C	N	P	The Trustees of Reservations	CR	Hilltown Land Trust	54.28
4-6		Floyd S Merritt	P	C	X	P	The Trustees of Reservations	CR	Hilltown Land Trust	1.28
4-37	LILLY POND WMA	Department of Fish and Game	S	C	Y	P				43.00
4-43	LILLY POND WMA	Department of Fish and Game	S	C	Y	P				46.66
4-44	LILLY POND WMA	Department of Fish and Game	S	C	Y	P				25.00
4-45	LILLY POND WMA	Department of Fish and Game	S	C	Y	P				45.00
4-51	LILLY POND WMA	Department of Fish and Game	S	C	Y	P				33.00
5-10	CAMP HOWE	Camp Howe Inc	N	R	L	N				32.06
5-21	TOWN CEMETERY	Town of Goshen	M	H	Y	L				0.80
5-22	TOWN CEMETERY	Town of Goshen	M	H	Y	L				2.34
5-23	TOWN CEMETERY	Town of Goshen	M	H	Y	L				0.17
5-51	MEMORIAL STONE	Town of Goshen	M	B	Y	L				0.17
5-52	PARK	Town of Goshen	M	B	Y	L				13.76
5-59	COMMUNITY LAND	Town of Goshen	M	R	Y	L				0.56
6-6	D.A.R. STATE FOREST	DCR - Division of State Parks and Recreation	S	B	Y	P				89.40
6-7	TILTON FARM	Town of Goshen	M	C	Y	P				70.90
6-11	TILTON FARM	Town of Goshen	M	B	Y	L				37.56
6-16	D.A.R. STATE FOREST	Hull Forestlands LP	P	B	Y	P	DCR - Division of State Parks and Recreation	CR		8.00
6-19	TILTON FARM	Town of Goshen	M	B	Y	L				73.13
6-20	TILTON FARM	Town of Goshen	M	C	Y	P				3.26
6-21	D.A.R. STATE FOREST	Hull Forestlands LP	P	B	Y	P	DCR - Division of State Parks and Recreation	CR		182.90
7-2	LILLY POND WMA	Hull Forestlands LP	P	C	Y	P	Department of Fish and Game	CR		0.00
7-32	LILLY POND WMA	Hull Forestlands LP	P	C	Y	P	Department of Fish and Game	CR		14.40
8-2	LILLY POND WMA	Hull Forestlands LP	P	C	Y	P	Department of Fish and Game	CR		44.10
8-18	TOWN MUSEUM	Town of Goshen	M	H	Y	L				0.90
8-19	TOWN MUSEUM	Town of Goshen	M	H	Y	L				0.16
9-9	D.A.R. STATE FOREST	Hull Forestlands LP	P	B	Y	P	DCR - Division of State Parks and Recreation	CR		77.71
10-38	CAMP FATHER FREEL	Boy Scouts of America Troop # 103	N	R	L	N				32.59
10-41	CAMP FATHER FREEL	Boy Scouts of America Troop # 103	N	R	L	N				32.59
10A-41	HAMMOND POND LAND	Town of Goshen	M	B	Y	L				1.67
10A-656		Town of Goshen	M	B	Y	L				0.11
5A-10	MAIN ST. LAND	Town of Goshen	M	B	Y	L				1.36
5A-162	CAMP HOWE	Camp Howe Inc	N	R	L	N				21.50

2,789.91



**TOWN of GOSHEN - MUNICIPAL RECREATIONAL AND PROTECTED OPEN SPACE**

Parcel ID	SITE NAME	Primary Purpose	Public Access	Level of Protection	Assessed Acres	Management Agency	Condition	Recreation Potential	Grant for Prurchase	Zoning
5-21	TOWN CEMETERY	H	Y	L	0.80	Historical Commission	Fair	N/A	N/A	Res-Ag District
5-22	TOWN CEMETERY	H	Y	L	2.34	Historical Commission	Fair	N/A	N/A	Res-Ag District
5-23	TOWN CEMETERY	H	Y	L	0.17	Historical Commission	Fair	N/A	N/A	Res-Ag District
5-51	MEMORIAL STONE	B	Y	L	0.17	Historical Commission	Fair	N/A	N/A	Res-Ag District
5-52	PARK - Tennis Courts	B	Y	L	13.76	Recreation Commission	Poor	N/A	N/A	Res-Ag District
5-59	COMMUNITY LAND	R	Y	L	0.56	Recreation Commission	Fair	N/A	N/A	Res-Ag District
6-7	TILTON FARM	C	Y	P	70.90	Tilton Town Farm	Good	Additional trails	DCR Recreation Trails Grant	Res-Ag District
6-11	TILTON FARM	B	Y	L	37.56	Tilton Town Farm	Good	Additional trails	DCR Recreation Trails Grant	Res-Ag District
6-19	TILTON FARM	B	Y	L	73.13	Tilton Town Farm	Good	Additional trails	DCR Recreation Trails Grant	Res-Ag District
6-20	TILTON FARM	C	Y	P	3.26	Tilton Town Farm	Good	Additional trails	DCR Recreation Trails Grant	Res-Ag District
10A-41	HAMMOND POND LAND	B	Y	L	1.67	Water Department	Good	Improved access	N/A	Res-Ag District
10A-656		B	Y	L	0.11	Water Department	Good	N/A	N/A	Res-Ag District
5A-10	MAIN ST. LAND - Town Hall	B	Y	L	1.36	Recreation Commission	Fair	Improved Play strcture	N/A	Res-Ag District
					205.79					



PARCEL ID	OWNER	CHAPTER	ACRES
1-1	FIELDS ROBIN H / C/O R H FIELDS REVOCABLE TRUST	61	80.00
1-2	ENGLER ROBERT / ENGLER INEA LEILA	61	27.44
1-3	ENGLER ROBERT /	61	11.65
1-4	BARRUS TIMOTHY W / BARRUS LAURA A	61A	2.07
1-5	BARRUS TIMOTHY / BARRUS LAURA A	61A	55.74
1-7	FIELDS ROBIN H / C/O ROBIN H FIELDS REVOCABLE TRUST	61	100.59
1-9	BARRUS TIMOTHY W / BARRUS LAURA A	61A	30.40
1-12	BARRUS TIMOTHY W / BARRUS LAURA A	61A	103.89
1-22	BARRUS TIMOTHY W / BARRUS LAURA A	61A	94.93
1-23	BARRUS TIMOTHY W / BARRUS LAURA A	61A	26.10
1-24	BARRUS TIMOTHY W / BARRUS LAURA A	61A	200.54
1-28	BARRUS TIMOTHY W / BARRUS LAURA A	61A	63.72
1-32	FROMM MARC / SPERRY BETH	61B	98.72
2-25	JUDD EDGAR R JR /	61	12.64
2-26	JUDD EDGAR R JR /	61	9.83
2-38	ROBERTS JOE DONALD / ROBERTS NORENE A.	61B	14.96
2-5	WAGGONER MARGARET /	61	115.21
3-3	PIERCE GARY J / CORTEZ ALINE L	61	7.27
3-10	PIERCE GARY J / CORTEZ ALINE L	61	8.28
3-11	PIERCE GARY J / CORTEZ ALINE L	61	9.70
4-9	BARRUS TIMOTHY W / BARRUS LAURA A	61A	13.05
4-13	BARRUS TIMOTHY W / BARRUS LAURA A	61A	7.38
4-18	MERRITT FLOYD S /	61B	31.20
4-19	BARRUS TIMOTHY W / BARRUS LAURA A	61A	8.37
4-21	BARRUS TIMOTHY W / BARRUS LAURA A	61A	34.75
4-24	JUDD FRANCIS D. / JUDD LINDA S.	61A	10.60
4-27	VAUGHN POLANSKY HARRISON TRUST / POLANSKY (TRUSTEE) JONATHAN	61	78.57
4-32	JUDD FRANCIS D. / JUDD LINDA S.	61A	25.61
4-34	VAUGHN POLANSKYHARRISON TURST / POLANSKY (TRUSTEE) JONATHAN R	61	19.41
4-36	MONAGAHAN MARTHA ANN J. / LEHAN CAROLYN J.	61	14.50
4-38	JUDD FRANCIS D. / JUDD LINDA S.	61A	26.47
4-39	JUDD FRANCIS D /	61	26.74
4-40	VAUGHN POLANSKYHARRISON TURST / POLANSKY (TRUSTEE) JONATHAN R	61	67.12
4-48	STELLBERGER JOHN D.	61B	0.81
4-49	STELLBERGER JOHN D.	61B	13.73
4-50	JUDD FRANCIS D /	61	47.94
4-52	VAUGHN POLANSKYHARRISON TURST / POLANSKY (TRUSTEE) JONATHAN R	61	0.27
4-60	VAUGHN POLANSKY HARRISON TRUST / POLANSKY (TRUSTEE) JONATHAN	61	8.72
5-5	BRENNAN EDWIN J / BRENNAN BETH M	61	175.70
5-8	SMITH JR HENRY BOYNTON / C/O SMITH DANA & ALGELA S. CLARKE	61B	4.46
5-9	SMITH JR HENRY BOYTON / C/ODANA SMITH & ANGELA CLARKE	61B	35.45
5-13	WARNER GARY M /	61B	10.00
5-14	WARNER GARY M /	61B	8.51
5-29	ALLARD LINDA E / ALLARD GARY F	61	26.48
5-74	WARNER GARY M /	61	221.00
5-86	WARNER GARY M /	61B	43.36
5-96	WARNER GARY M /	61B	10.17
6-9	SHANABROOK DAVID /	61	61.15
6-10	CROSS GLORIA I. / CROSS CHESTER L.	61	45.06
6-15	MUNROE GEORGE B. III / MUNROE HENRIETTA R.	61A	4.47
6-26	MUNROE GEORGE B III / MUNROE HENRIETTA R	61A	2.32
6-27	MAZZOLINI DANIEL E / MAZZOLINI CYNTHIA T	61B	8.14
6-28	ANDERSON ROBERT A / ANDERSON SUZANNE L	61B	7.39



6-29	ANDERSON ROBERT A / ANDERSON SUZANNE L	61B	6.45
7-1	STELLBERGER JOHN D.	61B	15.14
7-3	HAMPSHIRE RIDING CLUB	61B	45.79
7-15	LAKE DAMON CORP / C/O MOTYKA MATTHEW	61B	28.30
7-16	FRASER DOUGLAS F /	61	2.22
7-19	LAKE DAMON CORP / C/O MOTYKA MATTHEW	61B	19.11
7-23	TERRY HOWARD P / TERRY JUDITH A	61	6.37
8-39	FELD MICHAEL L / FELD ELLEN F	61B	14.84
8-45	PAPUSH SANDRA LUTZ DAVID / PENSICO TRUST CO CUSTODIAN FBO LORI ROBIN COHEN IRA ACCT	61	42.82
8-52	WILEY ROY OLIVER TRUSTEE / WILEY CAROLYN K	61	27.68
8-58	WILEY ROY OLIVER TRUSTEE / WILEY CAROLYN K TRUSTEE	61	13.77
8-67	SCHWAIGER CONSTANCE B / CULVER E & BISSELL W	61B	51.93
8-73	WILEY ROY OLIVER TRUSTEE / WILEY CAROLYN K TRUSTEE	61	43.91
8-74	MESSECK RANDY / WADE KIM M.	61A	7.85
8-76	O'RIORDAN WILLIAM M. / O'RIORDAN JANE M.	61	47.60
8-84	MOLLISON DAVID C /	61	81.62
8-91	CELATKA WILLIAM A. / CELATKA KRIS I.	61B	10.71
8-102	GUZOWSKI RICHARD G /	61B	23.30
8-105	GUZOWSKI RICHARD G /	61B	12.17
8-134	MESSECK RAYMOND / MESSECK RANDY	61A	26.68
9-11	PACKARD RUSSELL A. / C/O POST PATRICIA A.	61B	14.74
9-12	WILLIAMS PHEBE /	61B	29.80
9-14	WILLIAMS PHEBE /	61B	46.89
9-16	PACKARD MARY / BERUBE NATHAN	61B	22.33
9-19	HULL FORESTLANDS LP /	61	12.14
9-20	HULL FORESTLANDS LP /	61	19.58
9-26	PACKARD MARY / BERUBE NATHAN	61B	1.86
9-35	GOSS ROBERT O/TRUSTEE / GOSS JANET B/TRUSTEE	61A	63.79
9-40	GOSS ROBERT O. / TRUSTEE / GOSS JANET B. / TRUSTEE	61A	19.32
9-61	PACKARD RUSSELL A. / C/O POST PATRICIA A.	61B	12.51
10-2	OLEKSAK ANDREW T III / OLEKSAK DANIEL A	61	62.00
10-4	KIROUAC ALAN R. / KIROUAC PATRICIA M.	61	74.47
10-32	ROBERTS RICHARD C. / ROBERTS AMY LYNN	61A	17.51
10-36	BANAS MICHAEL R. / CHEN-BANAS QIU HUI	61	121.00
10-52	FERRIS BRADLEY P. / FERRIS STEPHANIE S.	61A	12.30
10A-800	KIROUAC ALAN R/TRUSTEE / KIROUAC PATRICIA M/TRUSTEE	61	8.94
10A-804	PARMENTIER NANCY L /	61	59.78
11-3	LASHAWAY DAVID T / O'BRIEN TARA A	61A	19.19
11-8	BERRENA KATHLEEN M / BERRENA, JR ROBERT P.	61B	21.60
11-22	BERRENA KATHLEEN M / BERRENA, JR ROBERT P.	61	10.01
11-23	BERRENA KATHLEEN M / BERRENA, JR ROBERT P	61	10.01
11-24	BERRENA KATHLEEN M / BERREN, JR ROBERT P	61	10.01
11-25	BERRENA KATHLEEN M / BERREN, JR ROBERT P	61B	7.55
11-26	BERRENA KATHLEEN M / BERRENA, JR ROBERT P	61	9.42
			3,387.57
A = Agriculture, 61B = Recreation			



**1. How often do you use the recreational facilities at:**

	Often	Sometimes	Never	Response Count
Town Office Playground	2.3% (1)	32.6% (14)	<b>65.1% (28)</b>	43
Town Tennis Courts	0.0% (0)	25.6% (11)	<b>74.4% (32)</b>	43
Tennis Court Park	2.4% (1)	19.0% (8)	<b>78.6% (33)</b>	42
D.A.R. State Forest	<b>53.5% (23)</b>	39.5% (17)	7.0% (3)	43
Lily Pond	11.9% (5)	40.5% (17)	<b>47.6% (20)</b>	42
Tilton Town Farm	14.3% (6)	38.1% (16)	<b>47.6% (20)</b>	42
			<b>answered question</b>	<b>43</b>
			<b>skipped question</b>	<b>1</b>

**2. How often do you use trails at:**

	Often	Sometimes	Never	Response Count
D.A.R. State Forest	<b>48.8% (21)</b>	37.2% (16)	14.0% (6)	43
Tilton Town Farm	21.4% (9)	31.0% (13)	<b>47.6% (20)</b>	42
			<b>answered question</b>	<b>43</b>
			<b>skipped question</b>	<b>1</b>





### 3. How often do you use these other facilities:

	Often	Sometimes	Never	Response Count
Town Cemetery	4.8% (2)	23.8% (10)	71.4% (30)	42
Tennis Court Park	2.4% (1)	17.1% (7)	80.5% (33)	41
			answered question	42
			skipped question	2

### 4. How often do you use these water resources:













	Often	Sometimes	Never	Response Count
Stones Brook	2.6% (1)	25.6% (10)	71.8% (28)	39
West Branch Mill River	7.7% (3)	25.6% (10)	66.7% (26)	39
Rogers Brook	2.5% (1)	17.5% (7)	80.0% (32)	40
Webster Brook	7.5% (3)	15.0% (6)	77.5% (31)	40
Damon Pond	0.0% (0)	13.2% (5)	86.8% (33)	38
Hammond Pond	14.3% (6)	19.0% (8)	66.7% (28)	42
Upper Highland Lake	40.0% (16)	37.5% (15)	22.5% (9)	40
Lower Highland Lake	36.8% (14)	28.9% (11)	34.2% (13)	38
			answered question	42
			skipped question	2

**5. Are there any other places you use for recreation? What activities do you participate in?**










		<b>Response Percent</b>	<b>Response Count</b>
<b>Other Location:</b>		73.3%	11
<b>Other Activity:</b>		66.7%	10
		<b>answered question</b>	<b>15</b>
		<b>skipped question</b>	<b>29</b>



**6. Please check all of the following activities that you enjoy (in Goshen or elsewhere):**

		Response Percent	Response Count
Swimming		75.6%	31
<b>Non-motorized trail use (hiking, snowshoeing, skiing, biking, etc.)</b>		<b>78.0%</b>	<b>32</b>
Motorized trail use (snowmobiles, ATVs, etc.)		12.2%	5
Road biking		31.7%	13
Skating		24.4%	10
Hunting		4.9%	2
Fishing		29.3%	12
Birdwatching		70.7%	29
Team sports		2.4%	1
Horseback Riding		19.5%	8
Boating		43.9%	18
Other		12.2%	5
	If other, please specify:		12
	<b>answered question</b>		<b>41</b>
	<b>skipped question</b>		<b>3</b>

**7. Please check all of the following that are important to you:**










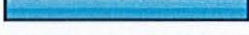
		Response Percent	Response Count
Protecting farmland		95.5%	42
Protecting forests		97.7%	43
<b>Protecting water quality</b>		<b>100.0%</b>	<b>44</b>
Protecting wildlife habitats		90.9%	40
Maintaining/expanding non-motorized trails		70.5%	31
Maintaining/expanding motorized trails		18.2%	8
Preserving Goshen's rural character		90.9%	40
Preserving scenic vistas		84.1%	37
Other		6.8%	3
	If other, please specify		5
<b>answered question</b>			<b>44</b>
<b>skipped question</b>			<b>0</b>



## 8. How important is it to you to preserve these resources?

	Very Important	Important	Not Very Important	Not Important	No Opinion	Response Count
Farmland	<b>69.8% (30)</b>	27.9% (12)	2.3% (1)	0.0% (0)	0.0% (0)	43
Dirt Roads	31.8% (14)	<b>34.1% (15)</b>	25.0% (11)	4.5% (2)	4.5% (2)	44
Forests	<b>84.1% (37)</b>	13.6% (6)	2.3% (1)	0.0% (0)	0.0% (0)	44
Scenic Views	<b>65.1% (28)</b>	25.6% (11)	7.0% (3)	0.0% (0)	2.3% (1)	43
Stone Walls	<b>50.0% (22)</b>	45.5% (20)	4.5% (2)	0.0% (0)	0.0% (0)	44
Open Space	<b>77.3% (34)</b>	15.9% (7)	4.5% (2)	0.0% (0)	2.3% (1)	44
Lakes and Streams	<b>84.1% (37)</b>	13.6% (6)	2.3% (1)	0.0% (0)	0.0% (0)	44
Motorized Trails	5.3% (2)	10.5% (4)	26.3% (10)	<b>52.6% (20)</b>	5.3% (2)	38
Non-motorized Trails	<b>50.0% (22)</b>	40.9% (18)	6.8% (3)	0.0% (0)	2.3% (1)	44
<b>answered question</b>						<b>44</b>
<b>skipped question</b>						<b>0</b>

**9. Which of the following do you consider the most important resources to protect (please check all that apply)?**

		Response Percent	Response Count
Groundwater/aquifer recharge		84.1%	37
<b>Wildlife habitat</b>		<b>86.4%</b>	<b>38</b>
Forest lands		79.5%	35
Land with scenic views		52.3%	23
Non-motorized trails		50.0%	22
Motorized trails		15.9%	7
Farmland		68.2%	30
Recreational facilities		34.1%	15
Lakes, ponds, and streams		77.3%	34
More than one of the above		36.4%	16
<b>answered question</b>			<b>44</b>
<b>skipped question</b>			<b>0</b>

**10. Do you have anything else to tell us about your thoughts on Goshen's open spaces?**

	Response Count
	17
<b>answered question</b>	<b>17</b>
<b>skipped question</b>	<b>27</b>

**Q5. Are there any other places you use for recreation? What activities do you participate in?**

Other Location:



**Q5. Are there any other places you use for recreation? What activities do you participate in?**

3	hiking Chesterfield gorge	Jul 5, 2011 6:05 PM
4	devil's den	Jun 30, 2011 5:23 PM
5	The roads.	Jun 22, 2011 1:59 PM
7	snowmobile trails for hiking	Jun 17, 2011 6:58 AM
8	Bike trails	Jun 17, 2011 6:35 AM
9	trail riding by horseback through many trails in Goshen	Jun 15, 2011 9:01 AM
10	Wildlife and biological studies	Jun 14, 2011 6:05 AM
11	Wild area bounded by Main St., Ball Rd., West St.	Jun 11, 2011 6:07 PM
12	hampshire county riding club goshen dirt roads	Jun 9, 2011 10:15 AM
13	wing hill road,past the dump	Jun 7, 2011 3:06 PM
14	wing hill road and briar hill road	Jun 5, 2011 9:24 AM
Other Activity:		
1	Dogwalking, x-ctry ski, snowshoeing	Jul 11, 2011 1:41 PM
2	snowshoeing, x-ctry skiing, dog walking	Jul 11, 2011 1:37 PM
3	birding	Jul 5, 2011 6:05 PM
5	walking	Jun 22, 2011 1:59 PM
6	kayaking	Jun 20, 2011 11:44 AM
11	Walking	Jun 11, 2011 6:07 PM
12	horse back riding bird watching	Jun 9, 2011 10:15 AM
13	hiking,kayaking,horsebackriding	Jun 7, 2011 3:06 PM
14	hiking and snowshoeing	Jun 5, 2011 9:24 AM
15	Hiking, snowshoeing, dogwalking	Jun 1, 2011 5:59 AM

**Q6. Please check all of the following activities that you enjoy (in Goshen or elsewhere):**

1	x-ctry ski, snowshoe	Jul 11, 2011 1:41 PM
2	x-ctry skiing, snowshoe	Jul 11, 2011 1:37 PM
3	A nice playground for kids would be great!	Jun 24, 2011 9:37 AM
4	Boating = canoe & kayak (non-motorized boating!!)	Jun 23, 2011 7:55 AM



**Q6. Please check all of the following activities that you enjoy (in Goshen or elsewhere):**

5	watching nature	Jun 22, 2011 1:59 PM
6	tennis, but court is in bad repair	Jun 21, 2011 10:23 AM
7	canoeing	Jun 17, 2011 6:58 AM
8	kayaking	Jun 17, 2011 6:35 AM
9	Cleaning Trails for Snowmobiles and ATV's	Jun 14, 2011 6:05 AM
10	horse back trail riding	Jun 9, 2011 10:15 AM
11	family biking rail trails	May 25, 2011 9:05 AM
12	geocaching	May 21, 2011 8:02 AM

**Q7. Please check all of the following that are important to you:**

1	No paved roads - keep the dirt!	Jul 11, 2011 1:41 PM
2	No paved roads - keep the dirt!	Jul 11, 2011 1:37 PM
3	promoting Goshen as doing/valuing these	Jun 20, 2011 11:44 AM
4	Mitigating climate change	Jun 11, 2011 6:07 PM
5	multi' use trails historic places	Jun 9, 2011 10:15 AM

**Q10. Do you have anything else to tell us about your thoughts on Goshen's open spaces?**

1	Didn't know about all the brooks, ponds and Town Farm.	Jul 11, 2011 1:41 PM
2	Didn't know about all the brooks and Tilton Town Farm and Lily Pond.	Jul 11, 2011 1:37 PM
3	I didn't know there was a 'facility' at Lily Pond. Where would I find out information about this?	Jul 6, 2011 10:06 AM
4	We are not familiar with some of the (water) areas mentioned above - is there a list of all town resources (trails, public lakes, trail guides, etc.) that is available in print or on-line? Also some of these lakes are private - are there any public access points to these beautiful lakes? There should be!! We love the quiet nature of this area - both trails & lakes, rivers! Is there a current plan to develop these open spaces or is this info mainly to help revise the town guidelines?	Jun 23, 2011 7:55 AM
5	I feel it is very important to look closely at any further development projects within Goshen that will cause loss of forest land and open farm land. Our wildlife diversity is important and the role that this land plays in the natural health of our state and region is crucial.	Jun 22, 2011 5:03 PM



**Q10. Do you have anything else to tell us about your thoughts on Goshen's open spaces?**

6	open space can be overdone. we are fortunate to have much open space. don't really need too much more. more interested in conservation than preservation.	Jun 22, 2011 1:59 PM
7	love them. Just wish there was money to repair the tennis court.	Jun 21, 2011 10:23 AM
8	No public beach for town with 3+ ponds and several rivers and brooks. This should be addressed	Jun 20, 2011 11:44 AM
9	Goshen is an amazing place to live and I hope its future can balance any increase in population without lessening its rural character. Thank you for this survey.	Jun 17, 2011 6:58 AM
10	Private property rights need to be protected while looking at open space protection.	Jun 14, 2011 7:22 AM
11	I would like to have the open space areas protected but would also like to make sure to take into consideration the owner of the properties uses.	Jun 14, 2011 6:05 AM
12	they seem to need more help!	Jun 9, 2011 10:15 AM
13	I think we should put more effort in protecting and increasing open space in Goshen. Like to see more non-motorized connected, and possibly new, trails.	Jun 7, 2011 7:45 AM
14	upgrade town playground area and see if there is enough interest in creating a community garden	Jun 5, 2011 9:24 AM
15	Only lived in town 4 years, and know very little about what is a public open space for recreation. How does one find out? How can one join damon pond association to swim? Where are the motorized trails?	May 25, 2011 9:05 AM
16	Just... thank you.	May 21, 2011 8:02 AM
17	I would like to see the town consider purchasing strategically located and currently undeveloped tracks of forest that abut the DAR that provide important wildlife migration paths to other large tracks of protected land in western mass, especially to the more western part of the state, so that the DAR does not slowly become an 'island' of open space that can only support and smaller and smaller number of animals that live on the property, with no opportunity for new animals to easily migrate to. I would like to see the town apply for grants to purchase/protect more open space, as well as use existing and new CPA funds to facilitate those acquisitions.	May 16, 2011 7:01 AM



TOWN OF GOSHEN  
Board of Selectmen  
40 Main Street, P.O. Box 869  
Goshen, MA 01032-0106

Tel: (413) 268-8236

Fax: (413) 268-8237

December 15, 2011

Pioneer Valley Planning Commission  
Attn: Anne Capri  
60 Congress St, Floor 1  
Springfield, MA 01104-3419

Dear Ms. Capri:

The Board of Selectmen is going to be acting as ADA Compliance Officer for Goshen.

Any grievance filed under the Discrimination Grievance Procedure in the Town of Goshen Employee Handbook would be made to the Board of Selectmen.

If you need any additional information please feel free to contact the Board or email them at [selectboard@goshen-ma.us](mailto:selectboard@goshen-ma.us).

Sincerely,

  
John L. Judd, Vice Chair



Town of Goshen - Employee Handbook

- Do you have any disabilities or impairments which may affect your performance in the position?
- Are you taking any prescription drugs?
- Have you ever been treated for drug addiction or alcoholism?
- Have you ever filed a workers' compensation claim?

In addition, these questions may not be asked of a previous employer or other reference provider for an applicant during reference checks. In addition, the hiring manager may not ask the reference provider about the applicant's:

- Disability;
- Illness or,
- Workers' compensation history.

Even if the applicant is qualified to perform the job, the Town may deny employment if such employment would pose a direct threat to the health and safety of the individual or others, if such threat cannot be eliminated through reasonable accommodation. Such determination must be made by the Chief Administrative Officer or his/her designee after careful review of the circumstances.

An employee who is an alcoholic is considered to be a person with a disability under the terms of the ADA. However, the Town may discipline, discharge or deny employment to an alcoholic whose use of alcohol adversely affects job performance or conduct to the extent that he or she is "not qualified" for the position.

Persons addicted to drugs, but who are no longer using drugs illegally and who are receiving treatment for drug addiction, or who have been rehabilitated successfully, are protected from discrimination by the ADA. However, the Town will discharge or deny employment to current illegal users of drugs, in accordance with policies established herein. The Town may ask questions regarding the use of alcohol or illegal use of drugs. However, the employer may not ask whether the applicant is a drug addict or alcoholic, or whether he/she has ever been in a drug or alcohol rehabilitation program.

Violation of this policy will lead to appropriate disciplinary action up to and including termination from Town Service.

The Town's grievance procedure for discrimination is contained in the next policy.

### **DISCRIMINATION GRIEVANCE PROCEDURE**

The purpose of this procedure is to encourage local resolution of grievances concerning employment. It is important to note that grievants are not required to exhaust the Town's procedures prior to filing a state or federal complaint or taking court action.



Anyone who feels that he or she has been discriminated against by the Town on the basis of race, sex, color, disability, religion, national origin, gender orientation or age in employment practices may file a grievance.

Grievances should be in writing and should include information about the alleged discrimination such as name, address, phone number of grievant and location, date and description of the problem. Reasonable accommodations, such as personal interviews or a tape recording of the complaint will be made available for persons with disabilities who are unable to submit a written complaint.

The grievant should first attempt to resolve the grievance at the level of the department manager. The department manager will notify the Chief Administrative Officer if such a grievance is submitted. If the grievance is not resolved to the satisfaction of the grievant, or if the department manager lacks authority or jurisdiction to correct the problem, the grievance should be submitted by the grievant and or his/her designee as soon as possible to the Chief Administrative Officer.

Within 15 calendar days after receipt of the grievance, the Chief Administrative Officer will meet with the grievant to discuss the grievance and possible resolutions. Within fifteen (15) calendar days after the meeting, the Chief Administrative Officer will respond to the grievant in writing, or where appropriate, in a format accessible to the grievant such as audio tape. The response will explain the position of the Town, and may offer options for substantive resolution of the grievance.

All grievances received by the Chief Administrative Officer and responses from same, will be kept by the Town for at least three (3) years. Such documents will remain strictly confidential.

This grievance procedure is meant to be informal, and cannot be legally binding on either party. Any grievance or complaint involving existing or threatened civil or criminal litigation may not be addressed using this informal procedure.

No retaliatory action will be taken against those persons who file complaints of discrimination on the basis of race, sex, color, disability, religion, national origin, gender orientation, or age, or against individuals who cooperate in such investigations.



Facility Inventory

LOCATION: **TILTON TOWN FARM**

ACTIVITY	EQUIPMENT	NOTES	
Picnic Facilities	Tables & Benches	Located adjacent to accessible paths <i>parking</i> ✓	
		Access to Open Spaces	
		Back and Arm Rests	
		Adequate number	
Picnic Facilities	Grills <i>N/A</i>	Height of Cooking Surface Located adjacent to accessible paths	
	Trash Cans <i>N/A</i>	Located adjacent to accessible paths	
	Picnic Shelters <i>N/A</i>	Located adjacent to accessible paths Located near accessible water fountains, trash can, restroom, parking, etc.	
Trails		Surface material	
		Dimensions	
		Rails	
		Signage (for visually impaired)	
Swimming Facilities <i>N/A</i>	Pools	Entrance Location from accessible parking Safety features i.e. warning for visually impaired	
		Beaches	Location from accessible path into water Handrails Location from accessible parking Shade provided
	Play Areas (tot lots) <i>N/A</i>		All Play Equipment i.e. swings, slides
		Access Routes	Located adjacent to accessible paths Enough space between equipment for wheelchair
Game Areas: *ballfield *basketball *tennis	Access Routes	Located adjacent to accessible paths Berm cuts onto courts	
	Equipment	Height Dimensions Spectator Seating	
Boat Docks <i>N/A</i>	Access Routes	Located adjacent to accessible paths Handrails	
Fishing Facilities <i>N/A</i>	Access Routes	Located adjacent to accessible paths Handrails	
		Equipment	Arm Rests Bait Shelves Handrails Fish Cleaning Tables
	Programming <i>N/A</i>		Are special programs at your facilities accessible?
		Guided Hikes	
Interpretive Programs			
Services and Technical Assistance <i>N/A</i>		Information available in alternative formats i.e. for visually impaired	
		Process to request interpretive services (i.e. sign language interpreter) for meetings	

**LOCATION**

<b>PARKING</b>				
Total Spaces	Required Accessible Spaces			
Up to 25	✓	1 space		
26-50		2 spaces ✓		
51-75		3 spaces		
76-100		4 spaces		
101-150		5 spaces		
151-200		6 spaces		
201-300		7 spaces		
301-400		8 spaces		
401-500		9 spaces		
Specification for Accessible Spaces	Yes	No	Comments/Transition Notes	
Accessible space located closest to accessible entrance	✓			
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.				
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle	✓			
Van space – minimum of 1 van space for every accessible space, 8 ft wide plus 8 ft aisle. Alternative is to make all accessible spaces 11 ft wide with 5 ft aisle.	✓			
Sign with international symbol of accessibility at each space or pair of spaces		✓		
Sign minimum 5 ft, maximum 8 ft to top of sign		✓		
Surface evenly paved or hard-packed (no cracks)	✓			
Surface slope less than 1:20, 5%		✓		
Curbscut to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present		✓		
Curbscut is a minimum width of 3 ft, excluding sloped sides, has sloped sides, all slopes not to exceed 1:12, and textured or painted yellow		✓		
<b>RAMPS</b>				
	N/A			
Specification	Yes	No	Comments/Transition Notes	
Slope Maximum 1:12				
Minimum width 4 ft between handrails				
Handrails on both sides if ramp is longer than 6 ft				
Handrails at 34" and 19" from ramp surface				
Handrails extend 12" beyond top and bottom				
Handgrip oval or round				
Handgrip smooth surface				
Handgrip diameter between 1 1/4" and 2"				
Clearance of 1 1/2" between wall and wall rail				
Non-slip surface				
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction				



**LOCATION**

<b>RESTROOMS – also see Doors and Vestibules</b>			
Specification	Yes	No	Comments/Transition Notes
5 ft turning space measured 12" from the floor	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<b>At least one Sink:</b>			
Clear floor space of 30" by 48" to allow a forward approach	<input type="checkbox"/>	<input type="checkbox"/>	
Mounted without pedestal or legs, height 34" to top of rim	<input type="checkbox"/>	<input type="checkbox"/>	
Extends at least 22" from the wall	<input type="checkbox"/>	<input type="checkbox"/>	
Open knee space a minimum 19" deep, 30" width, and 27" high	<input type="checkbox"/>	<input type="checkbox"/>	
Cover exposed pipes with insulation	<input type="checkbox"/>	<input type="checkbox"/>	
Faucets operable with closed fist (lever or spring activated handle)	<input type="checkbox"/>	<input type="checkbox"/>	
<b>At least one Stall:</b>			
Accessible to person using wheelchair at 60" wide by 72" deep	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Stall door is 36" wide	<input type="checkbox"/>	<input type="checkbox"/>	
Stall door swings out	<input type="checkbox"/>	<input type="checkbox"/>	
Stall door is self closing	<input type="checkbox"/>	<input type="checkbox"/>	
Stall door has a pull latch	<input type="checkbox"/>	<input type="checkbox"/>	
Lock on stall door is operable with a closed fist, and 32" above the floor	<input type="checkbox"/>	<input type="checkbox"/>	
Coat hook is 54" high	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Toilet</b>			
18" from center to nearest side wall	<input type="checkbox"/>	<input type="checkbox"/>	
42" minimum clear space from center to farthest wall or fixture	<input type="checkbox"/>	<input type="checkbox"/>	
Top of seat 17"-19" above the floor	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Grab Bars</b>			
On back and side wall closest to toilet	<input type="checkbox"/>	<input type="checkbox"/>	
1 1/4" diameter	<input type="checkbox"/>	<input type="checkbox"/>	
1 1/2" clearance to wall	<input type="checkbox"/>	<input type="checkbox"/>	
Located 30" above and parallel to the floor	<input type="checkbox"/>	<input type="checkbox"/>	
Acid-etched or roughened surface	<input type="checkbox"/>	<input type="checkbox"/>	
42" long	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Fixtures</b>			
Toilet paper dispenser is 24" above floor	<input type="checkbox"/>	<input type="checkbox"/>	
One mirror set a maximum 38" to bottom (if tilted, 42")	<input type="checkbox"/>	<input type="checkbox"/>	
Dispensers (towel, soap, etc) at least one of each a maximum 42" above the floor	<input type="checkbox"/>	<input type="checkbox"/>	

**NOTES**

Facility Inventory

LOCATION: TOWN OFFICE PLAYGROUND

ACTIVITY	EQUIPMENT	NOTES	
Picnic Facilities N/A	Tables & Benches	Located adjacent to accessible paths	
		Access to Open Spaces	
		Back and Arm Rests	
		Adequate number	
	Grills	Height of Cooking Surface Located adjacent to accessible paths	
Trash Cans		Located adjacent to accessible paths	
	Picnic Shelters	Located adjacent to accessible paths Located near accessible water fountains, trash can, restroom, parking, etc.	
Trails N/A		Surface material	
		Dimensions	
		Rails	
		Signage (for visually impaired)	
Swimming Facilities N/A	Pools	Entrance Location from accessible parking Safety features i.e. warning for visually impaired	
		Beaches	Location from accessible path into water Handrails Location from accessible parking Shade provided
	Play Areas (tot lots)	All Play Equipment i.e. swings, slides NO	Same experience provided to all
		Access Routes YES	Located adjacent to accessible paths Enough space between equipment for wheelchair
Game Areas: *ballfield *basketball *tennis N/A	Access Routes	Located adjacent to accessible paths Berm cuts onto courts	
		Equipment	Height Dimensions Spectator Seating
	Boat Docks N/A	Access Routes	Located adjacent to accessible paths Handrails
Fishing Facilities N/A	Access Routes	Located adjacent to accessible paths Handrails	
		Equipment	Arm Rests Bait Shelves Handrails Fish Cleaning Tables
	Programming N/A		Are special programs at your facilities accessible?
		Guided Hikes	
Interpretive Programs			
Services and Technical Assistance	Information available in alternative formats i.e. for visually impaired		
	Process to request interpretive services (i.e. sign language interpreter) for meetings		



**LOCATION**

<b>PARKING</b>			
<i>Total Spaces</i>	<i>Required Accessible Spaces</i>		
Up to 25	✓	1 space	
26-50		2 spaces ✓	
51-75		3 spaces	
76-100		4 spaces	
101-150		5 spaces	
151-200		6 spaces	
201-300		7 spaces	
301-400		8 spaces	
401-500		9 spaces	
<i>Specification for Accessible Spaces</i>	<i>Yes</i>	<i>No</i>	<i>Comments/Transition Notes</i>
Accessible space located closest to accessible entrance			
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.	✓		
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle	✓		
Van space – minimum of 1 van space for every accessible space, 8 ft wide plus 8 ft aisle. Alternative is to make all accessible spaces 11 ft wide with 5 ft aisle.	✓		
Sign with international symbol of accessibility at each space or pair of spaces			
Sign minimum 5 ft, maximum 8 ft to top of sign			
Surface evenly paved or hard-packed (no cracks)			
Surface slope less than 1:20, 5%			
Curbcut to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present			
Curbcut is a minimum width of 3 ft, excluding sloped sides, has sloped sides, all slopes not to exceed 1:12, and textured or painted yellow			
<b>RAMPS</b>			
	N/A		
<i>Specification</i>	<i>Yes</i>	<i>No</i>	<i>Comments/Transition Notes</i>
Slope Maximum 1:12			
Minimum width 4 ft between handrails			
Handrails on both sides if ramp is longer than 6 ft			
Handrails at 34" and 19" from ramp surface			
Handrails extend 12" beyond top and bottom			
Handgrip oval or round			
Handgrip smooth surface			
Handgrip diameter between 1 1/4" and 2"			
Clearance of 1 1/2" between wall and wall rail			
Non-slip surface			
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction			

Facility Inventory

LOCATION: TOWN TENNIS COURTS + TENNIS COURT PARK

ACTIVITY	EQUIPMENT	NOTES
Picnic Facilities N/A	Tables & Benches	Located adjacent to accessible paths
		Access to Open Spaces
	Grills	Back and Arm Rests
		Adequate number
	Trash Cans	Height of Cooking Surface
Picnic Shelters	Located adjacent to accessible paths	
	Located adjacent to accessible paths	
Trails N/A		Located near accessible water fountains, trash can, restroom, parking, etc.
		Surface material
		Dimensions
		Rails
Swimming Facilities N/A	Pools	Signage (for visually impaired)
		Entrance
	Beaches	Location from accessible parking
		Safety features i.e. warning for visually impaired
		Location from accessible path into water
Play Areas (tot lots) N/A	All Play Equipment i.e. swings, slides	Handrails
	Access Routes	Location from accessible parking
		Shade provided
Game Areas: *ballfield *basketball *tennis	Access Routes	Same experience provided to all
		Located adjacent to accessible paths
	Equipment	Enough space between equipment for wheelchair
		Located adjacent to accessible paths ✓
Boat Docks N/A	Access Routes	Berm cuts onto courts
		Height
Fishing Facilities N/A	Access Routes	Dimensions
		Spectator Seating
	Equipment	Located adjacent to accessible paths
		Handrails
		Handrails
Programming N/A	Are special programs at your facilities accessible?	Arm Rests
		Bait Shelves
		Handrails
Services and Technical Assistance N/A		Fish Cleaning Tables
		Learn-to-Swim
		Guided Hikes
		Interpretive Programs
		Information available in alternative formats i.e. for visually impaired
		Process to request interpretive services (i.e. sign language interpreter) for meetings



**LOCATION**

<b>PARKING</b>			
Total Spaces	Required Accessible Spaces		
Up to 25		1 space	
26-50	✓	2 spaces	✓
51-75		3 spaces	
76-100		4 spaces	
101-150		5 spaces	
151-200		6 spaces	
201-300		7 spaces	
301-400		8 spaces	
401-500		9 spaces	
Specification for Accessible Spaces	Yes	No	Comments/Transition Notes
Accessible space located closest to accessible entrance	✓		
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.			
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle	✓		
Van space – minimum of 1 van space for every accessible space, 8 ft wide plus 8 ft aisle. Alternative is to make all accessible spaces 11 ft wide with 5 ft aisle.	✓		
Sign with international symbol of accessibility at each space or pair of spaces	✓		
Sign minimum 5 ft, maximum 8 ft to top of sign	✓		
Surface evenly paved or hard-packed (no cracks)	✓		
Surface slope less than 1:20, 5%	✓		
Curbcut to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present			
Curbcut is a minimum width of 3 ft, excluding sloped sides, has sloped sides, all slopes not to exceed 1:12, and textured or painted yellow			
<b>RAMPS</b> <span style="float: right;">N/A</span>			
Specification	Yes	No	Comments/Transition Notes
Slope Maximum 1:12			
Minimum width 4 ft between handrails			
Handrails on both sides if ramp is longer than 6 ft			
Handrails at 34" and 19" from ramp surface			
Handrails extend 12" beyond top and bottom			
Handgrip oval or round			
Handgrip smooth surface			
Handgrip diameter between 1 1/4" and 2"			
Clearance of 1 1/2" between wall and wall rail			
Non-slip surface			
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction			

Facility Inventory

LOCATION: TOWN CEMETERY

ACTIVITY	EQUIPMENT	NOTES
Picnic Facilities  N/A	Tables & Benches	Located adjacent to accessible paths
		Access to Open Spaces
		Back and Arm Rests
		Adequate number
	Grills	Height of Cooking Surface
	Trash Cans	Located adjacent to accessible paths
		Located adjacent to accessible paths
Picnic Shelters	Located near accessible water fountains, trash can, restroom, parking, etc.	
Trails  N/A		Surface material
		Dimensions
		Rails
		Signage (for visually impaired)
Swimming Facilities  N/A	Pools	Entrance
		Location from accessible parking
		Safety features i.e. warning for visually impaired
	Beaches	Location from accessible path into water
		Handrails
		Location from accessible parking
Play Areas (tot lots)  N/A	All Play Equipment i.e. swings, slides	Same experience provided to all
	Access Routes	Located adjacent to accessible paths
		Enough space between equipment for wheelchair
Game Areas: *ballfield *basketball *tennis  N/A	Access Routes	Located adjacent to accessible paths
		Berm cuts onto courts
	Equipment	Height
		Dimensions
		Spectator Seating
Boat Docks  N/A	Access Routes	Located adjacent to accessible paths
		Handrails
Fishing Facilities  N/A	Access Routes	Located adjacent to accessible paths
		Handrails
	Equipment	Arm Rests
		Bait Shelves
		Fish Cleaning Tables
Programming  N/A	Are special programs at your facilities accessible?	Learn-to-Swim
		Guided Hikes
		Interpretive Programs
Services and Technical Assistance		Information available in alternative formats i.e. for visually impaired
		Process to request interpretive services (i.e. sign language interpreter) for meetings



**LOCATION**

<b>PARKING</b>			
Total Spaces	Required Accessible Spaces		
Up to 25	✓	1 space	
26-50		✓	2 spaces
51-75			3 spaces
76-100			4 spaces
101-150			5 spaces
151-200			6 spaces
201-300			7 spaces
301-400			8 spaces
401-500			9 spaces
Specification for Accessible Spaces	Yes	No	Comments/Transition Notes
Accessible space located closest to accessible entrance	✓		
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.			
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle	✓		
Van space – minimum of 1 van space for every accessible space, 8 ft wide plus 8 ft aisle. Alternative is to make all accessible spaces 11 ft wide with 5 ft aisle.	✓		
Sign with international symbol of accessibility at each space or pair of spaces			
Sign minimum 5 ft, maximum 8 ft to top of sign			
Surface evenly paved or hard-packed (no cracks)	✓		
Surface slope less than 1:20, 5%		✓	
Curbcut to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present			
Curbcut is a minimum width of 3 ft, excluding sloped sides, has sloped sides, all slopes not to exceed 1:12, and textured or painted yellow			
<b>RAMPS</b>			
Specification	Yes	No	Comments/Transition Notes
Slope Maximum 1:12			
Minimum width 4 ft between handrails			
Handrails on both sides if ramp is longer than 6 ft			
Handrails at 34" and 19" from ramp surface			
Handrails extend 12" beyond top and bottom			
Handgrip oval or round			
Handgrip smooth surface			
Handgrip diameter between 1 1/4" and 2"			
Clearance of 1 1/2" between wall and wall rail			
Non-slip surface			
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction			

## **Funding and Technical Assistance Resources**

*The following are a list of agencies that offer grants and other types of technical assistance for land conservation, land management and recreation.*

Massachusetts Department of Conservation and Recreation

<http://www.mass.gov/dcr/grants.htm>

Forest Legacy Program

<http://na.fs.fed.us/legacy/index.shtm>

The Forest Legacy Program is a partnership between States and the USDA Forest Service to identify and help conserve environmentally important forests from conversion to non-forest uses. The main tool used for protecting these important forests is conservation easements. The Federal government may fund up to 75% of program costs, with at least 25% coming from private, state or local sources.

Contact: Deirdre Raimo, Forest Legacy Program Manager

USDA Forest Service; NA, State and Private Forestry

271 Mast Rd., Durham NH 03824

(603) 868-7695 [draimo@fs.fed.us](mailto:draimo@fs.fed.us)

MA Executive Office of Energy and Environmental Affairs

[http://www.mass.gov/?pageID=eoeeterminal&L=4&L0=Home&L1=Grants+%26+Technical+Assistance&L2=Grant+%26+Loan+Programs&L3=EEA+Grant+%26+Loan+Guide&sid=Eoeea&b=terminalcontent&f=eea\\_grants\\_grants\\_landandrec&csid=Eoeea](http://www.mass.gov/?pageID=eoeeterminal&L=4&L0=Home&L1=Grants+%26+Technical+Assistance&L2=Grant+%26+Loan+Programs&L3=EEA+Grant+%26+Loan+Guide&sid=Eoeea&b=terminalcontent&f=eea_grants_grants_landandrec&csid=Eoeea)

Massachusetts Land Trust Coalition

<http://www.massland.org/category/conservation-practitioners-land-protection-practices/federal-programs>

Pioneer Valley Planning Commission

60 Congress Street, Springfield, MA 01104

(413) 781-6045

Anne Capra, Principal Planner [acapra@pvpc.org](mailto:acapra@pvpc.org)

## **Grants Recently Available**

*The availability of grants changes from year to year. Below is a list of recently available grant programs that may or may not be available in the future depending on budget cycles.*

### Recreational Trails Grant

MA Department of Conservation and Recreation

October 1<sup>st</sup> due date; annually

Contact: [Amanda.lewis@state.ma.us](mailto:Amanda.lewis@state.ma.us) or [Paul.Jahnige@state.ma.us](mailto:Paul.Jahnige@state.ma.us)

The Recreational Trails Program provides grants ranging from \$2,000 to \$50,000 on a reimbursement basis for a variety of trail protection, construction, and stewardship projects throughout Massachusetts. It is part of the national Recreational Trails Program, which is funded through the Federal Highway Administration (FHWA). Funds are disbursed to each state to develop and maintain recreational trails and trail-related facilities for both non-motorized and motorized recreational trail uses.

80% grant / 20% match required (cash or in-kind)



### Community Forest Stewardship Grants

MA Department of Conservation and Recreation

Due twice per year - September 30; May 30<sup>th</sup>

Michael Downey, Forest Stewardship Program Service Forester

413-442-8928 x135     [michael.downey@state.ma.us](mailto:michael.downey@state.ma.us)

Jennifer Fish, Director, Service Forestry Program

413-545-5753     [jennifer.fish@state.ma.us](mailto:jennifer.fish@state.ma.us)

The Massachusetts Forest Stewardship Program is now offering Community Forest Stewardship Grants. These are 50-50 matching reimbursement grants offered to municipalities that have town forest or water supply land enrolled in the Forest Stewardship Program.

This grant program seeks to fund projects which will result in sustained improvements in local capacity for excellent forest management in the following five key areas:

- **Buy Local:** We seek to raise awareness of local wood product supply and marketing as well as to encourage the development of value-added local wood products to increase sustainable forest management and to support forest based businesses.
- **Building and Strengthening Citizen Advocacy and Action Organizations:** We seek to fund projects that develop, strengthen or sustain citizen groups or non-profit organizations that advocate and / or act to promote excellent forest management.
- **Implementation of Forest Stewardship Management Plan:** We seek to fund implementation of plans that guide the strategic management of municipal forest resources at the community level including local use of wood products, habitat restoration or investment in forest management.
- **Projects that include high community visibility:** We seek to fund projects that enhance environmental quality, strengthen community involvement, and follow the principles of the Stewardship Program. These projects also result in enhanced public awareness and support for community forestry.
- **Other Projects:** We will consider some well-conceived and executed projects which result in implementing/achieving community forest/forestry-related goals set forth in a town's "Strategic Planning" document.

Conservation Appraisals for Small Communities Grant Program

**Agency:** Executive Office of Energy and Environmental Affairs (EEA)

**Description and Eligible Activities:** Reimbursement funding for appraisals completed in order to apply to the LAND grant program. Reimbursement rate is 80%.

**Website:** [www.mass.gov/eea/dcs-grants](http://www.mass.gov/eea/dcs-grants)

**Eligible Applicants:** Available to all communities with a population of fewer than 5,000 people. Participants must have an executed state contract prior to getting the appraisal. The Participant must submit a LAND application for the appraised property to receive reimbursement. Reimbursement under this grant is not contingent upon the participant's LAND application being selected for funding.

**Estimated Application Deadline:** Rolling, no later than Monday, May 30, 2011

**Maximum Award** \$5,000 per appraisal

**Contact:** [Celia Riechel](mailto:Celia.Riechel@eea.state.ma.us), 617-626-1187

Drinking Water Supply Protection Grant Program

**Agency:** Department of Environmental Protection (DEP)

**Description and Eligible Activities:** Provides grants to assist public water systems and municipalities in acquiring land to protect the quality of public drinking water supplies.

**Website:** <http://www.mass.gov/dep/water/dwgrant.htm>

**Eligible Applicants:** Massachusetts municipalities and public water systems

**Estimated Application Deadline:** September

**Average Grant Size:** \$170,000

**Average # of Grants:** 3

**FY 2010 Spending:** \$510,000

**Contact:** [Catherine Sarafinas](mailto:Catherine.Sarafinas@dep.state.ma.us), 617-556-1070

Federal Land and Water Conservation Fund

**Agency:** Executive Office of Energy and Environmental Affairs (EEA)

**Description and Eligible Activities:** The Federal Land & Water Conservation Fund (P.L. 88-578) provides up to 50% of the total project cost for the acquisition, development and renovation of park, recreation or conservation areas.

**Website:** <http://www.mass.gov/eea/dcs-grants>

**Eligible Applicants:** Municipal conservation commissions, park departments, and certain agencies within EEA. Municipalities must have a current open space and recreation plan to apply, and the land must be open to the general public.

**Estimated Application Deadline:** Rolling

**Average Grant Size:** Average \$414,000 (Minimum \$250,000, Maximum \$500,000)

**Average # of Grants:** Typically 5 per year.

**FY 2010 Spending:** \$2,050,000

**Contact:** [Melissa Cryan](mailto:Melissa.Cryan@eea.state.ma.us), 617-626-1171

LAND - Local Acquisitions for Natural Diversity

**Agency:** Executive Office of Energy and Environmental Affairs (EEA)

**Description and Eligible Activities:** Provides grant assistance to city and town conservation commissions for the acquisition of open space for conservation and passive recreation purposes (formerly the Self-Help Program).

**Website:** <http://www.mass.gov/eea/dcs>



**Eligible Applicants:** Municipalities must have a current open space and recreation plan to apply, the land must be open to the general public; communities with any outstanding conversion issues ("Article 97") are not eligible.

**Estimated Application Deadline:** July

**Average Grant Size:** Average \$350,000 (Maximum \$500,000)

**Average # of Grants:** 15

**FY 2010 Spending:** \$3,965,131

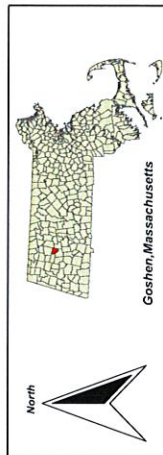
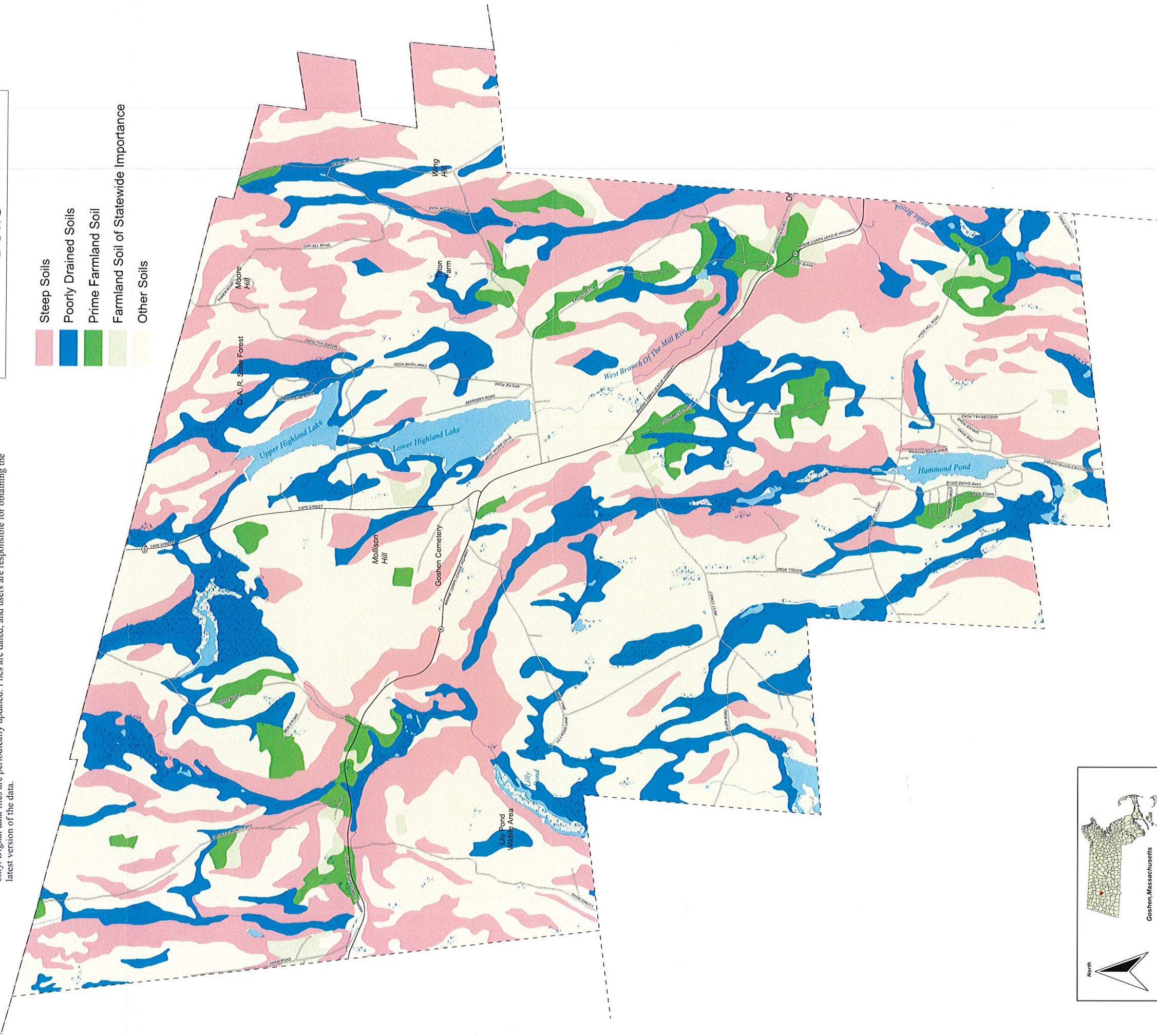
**Contact:** [Celia Riechel](#), 617-626-1187



This **Soil Survey Geographic (SSURGO)** data was produced by the U.S. Department of Agriculture, Natural Resources Conservation Service and cooperating agencies for the Soil Survey of Hampshire County, Massachusetts. The soils were mapped at a scale of 1:25000 with a 5-acre minimum size delineation. Enlargement of these maps to scales greater than that at which they were originally mapped can cause misunderstanding of the detail of mapping. If enlarged, maps do not show the small areas of contrasting soil that could have been shown at a larger scale. The depicted soil boundaries and interpretations derived from them do not eliminate the need of onsite sampling, testing, and detailed study of specific sites for intensive uses. Thus, this map and its interpretations are intended for planning purposes only. Digital data files are periodically updated. Files are dated, and users are responsible for obtaining the latest version of the data.

# Goshen, Massachusetts Open Space Plan Soils

- Steep Soils
- Poorly Drained Soils
- Prime Farmland Soil
- Farmland Soil of Statewide Importance
- Other Soils

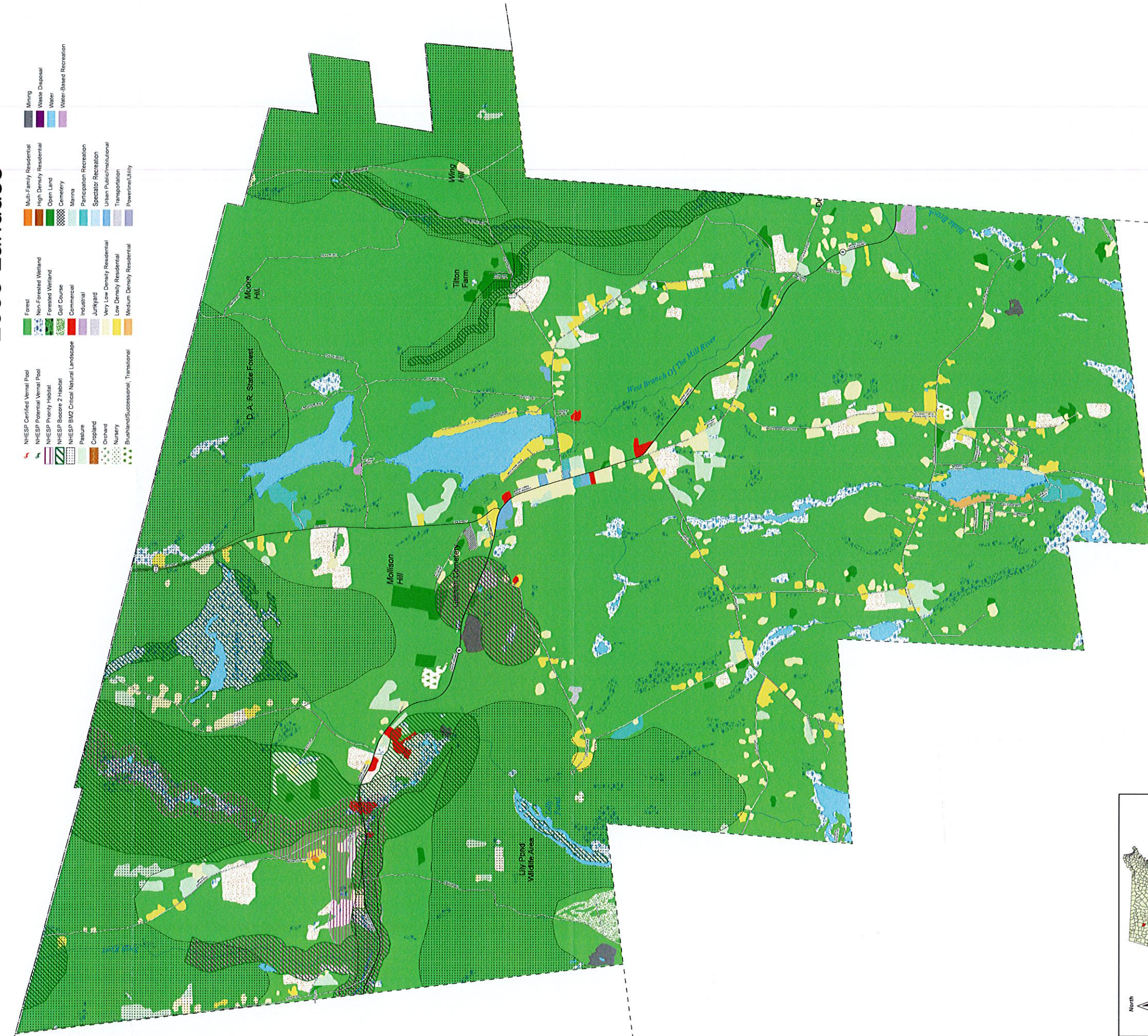
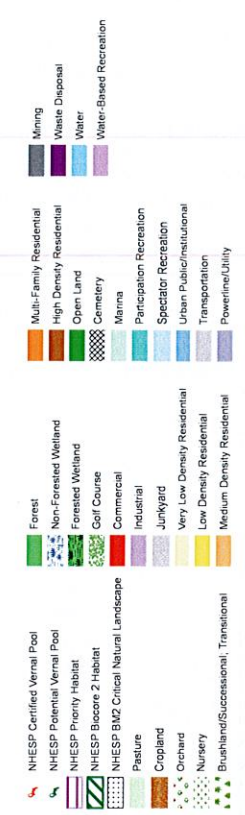


The Planning and Policy Center (pypc) is a non-profit organization that provides technical assistance to local governments in Hampshire County, Massachusetts.
   
 Produced by the **SOIL CONSERVATION SERVICE**
  
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# Goshen, Massachusetts Open Space Plan Natural Lands 2005 Landuse

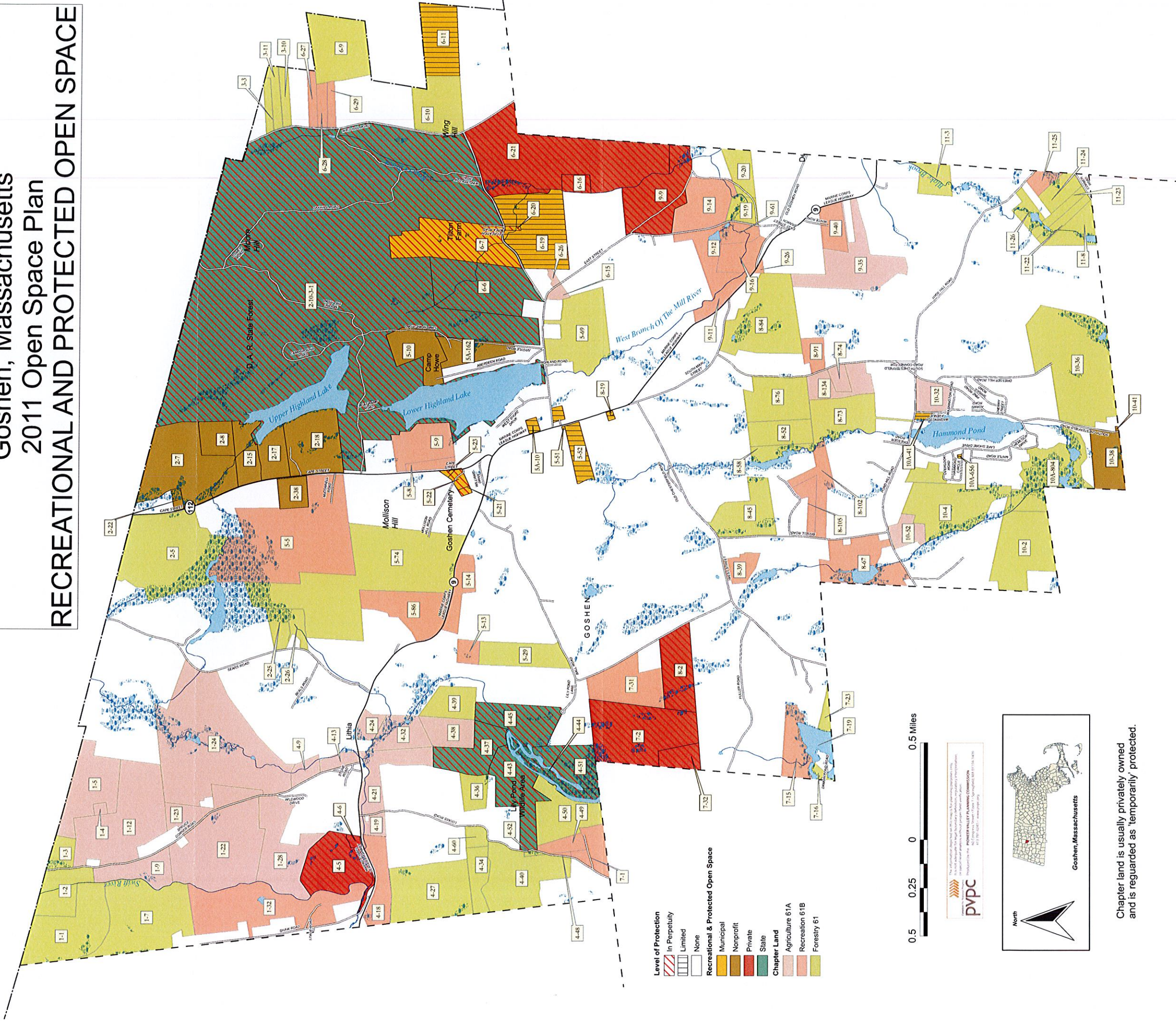


The information herein was prepared by the Planning Commission for the Town of Goshen, Massachusetts. It is the property of the Planning Commission and is not to be distributed outside the town of Goshen, Massachusetts. Prepared by the **pvpc** PLANNING AND ZONING CONSULTANTS, INC. 413.757.0882 www.pvpc.com

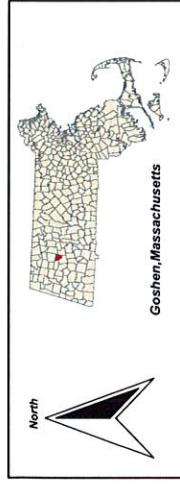




# Goshen, Massachusetts 2011 Open Space Plan RECREATIONAL AND PROTECTED OPEN SPACE



- Level of Protection**
- In Perpetuity
- Limited
- None
- Recreational & Protected Open Space**
- Municipal
- Nonprofit
- Private
- State
- Chapter Land**
- Agriculture 61A
- Recreation 61B
- Forestry 61



Chapter land is usually privately owned and is regarded as temporarily protected.

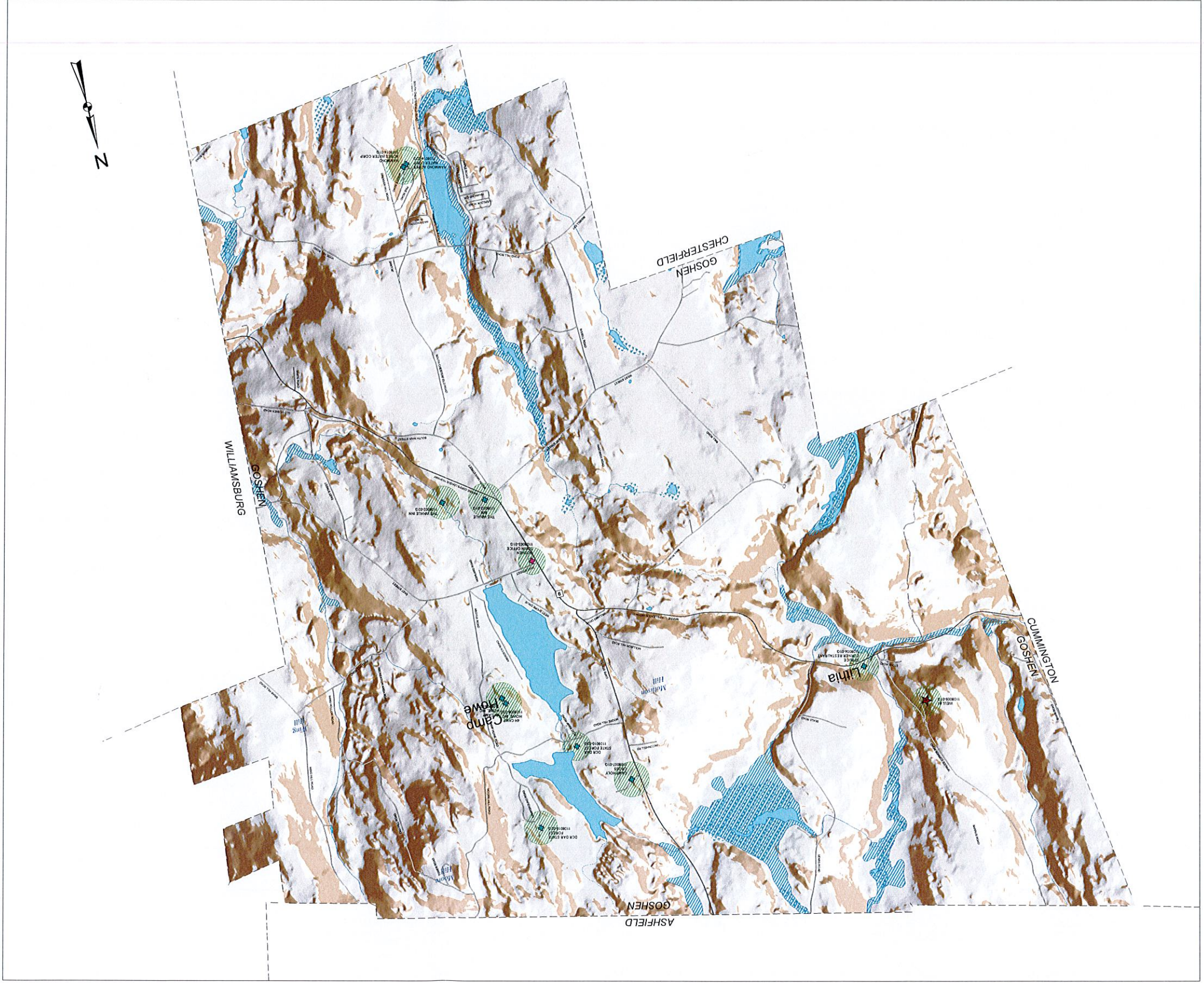
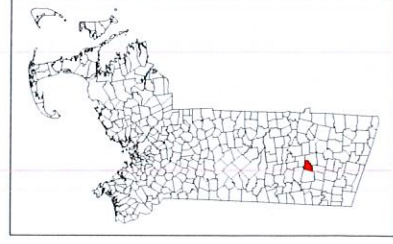


# Goshen, MA Open Space Plan Topography, Flood Plain & Water Supplies

MASSGIS  
pvpdc

Scale: 0 100 200 300 400 500 Feet  
0 1 2 Miles

July 20, 2011



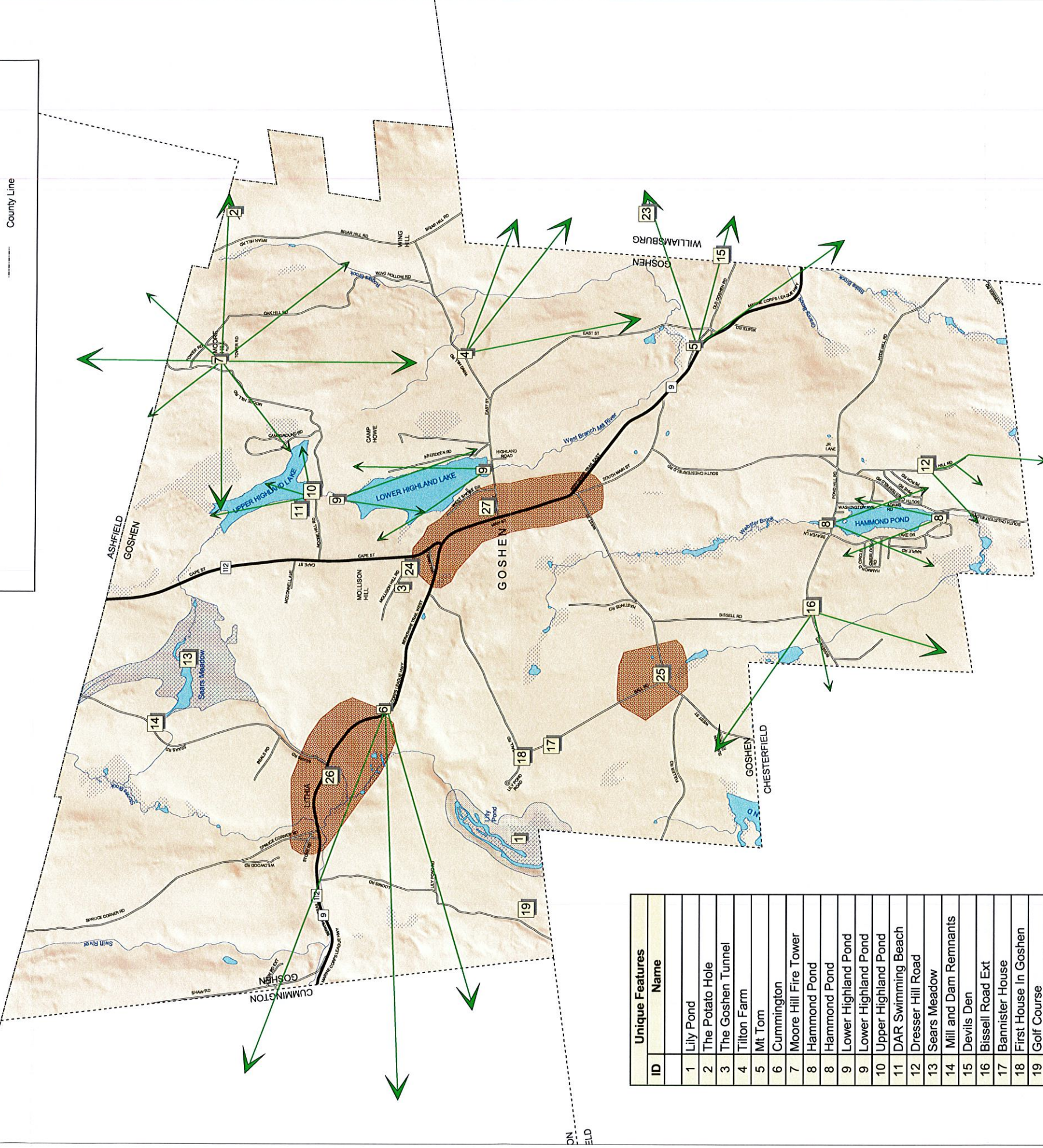
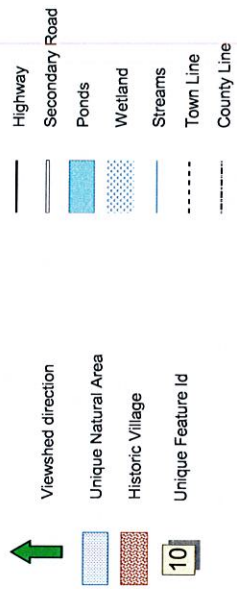
- FRM 100 Year Flood
- Slope Greater Than 15%
- Public Water Supply Well
- Non-Transient Non-Community Water Supply
- Public Surface Water Supply
- Transient Non-Community Water Supply
- Interim Wellhead Protection Area



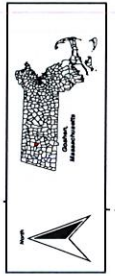


# Goshen, Massachusetts

## Unique Features View



ID	Unique Features Name
1	Lily Pond
2	The Potato Hole
3	The Goshen Tunnel
4	Tilton Farm
5	Mt Tom
6	Cummington
7	Moore Hill Fire Tower
8	Hammond Pond
8	Hammond Pond
9	Lower Highland Pond
9	Lower Highland Pond
10	Upper Highland Pond
11	DAR Swimming Beach
12	Dresser Hill Road
13	Sears Meadow
14	Mill and Dam Remnants
15	Devils Den
16	Bissell Road Ext
17	Bannister House
18	First House in Goshen
19	Golf Course
23	Rogers Cemetery
24	Goshen Cemetery
25	Batesville
26	Lithia
27	Goshen Center
No Id's 20, 21, 22	

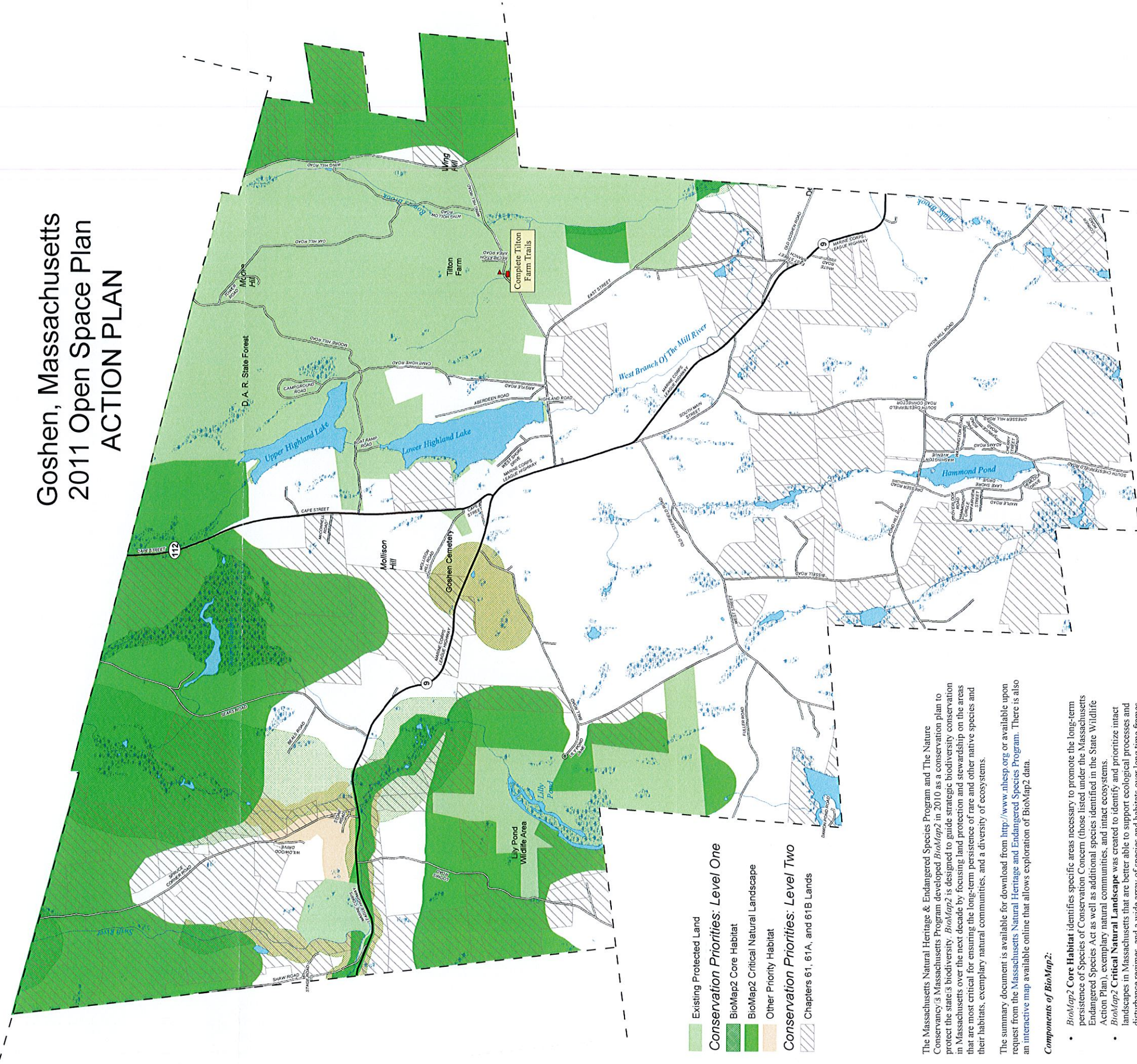


MASS GIS  
 PVPFC  
 Prepared by the PIONEER VALLEY PLANNING COMMISSION  
 25 Grants Street, North Ferrisburgh, VT 05701





# Goshen, Massachusetts 2011 Open Space Plan ACTION PLAN



- Existing Protected Land
- Conservation Priorities: Level One**
- BioMap2 Core Habitat
- BioMap2 Critical Natural Landscape
- Other Priority Habitat
- Conservation Priorities: Level Two**
- Chapters 61, 61A, and 61B Lands

The Massachusetts Natural Heritage & Endangered Species Program and The Nature Conservancy's Massachusetts Program developed *BioMap2* in 2010 as a conservation plan to protect the state's biodiversity. *BioMap2* is designed to guide strategic biodiversity conservation in Massachusetts over the next decade by focusing land protection and stewardship on the areas that are most critical for ensuring the long-term persistence of rare and other native species and their habitats, exemplary natural communities, and a diversity of ecosystems.

The summary document is available for download from <http://www.nhesp.org> or available upon request from the Massachusetts Natural Heritage and Endangered Species Program. There is also an interactive map available online that allows exploration of *BioMap2* data.

#### Components of *BioMap2*:

- *BioMap2* Core Habitat identifies specific areas necessary to promote the long-term persistence of Species of Conservation Concern (those listed under the Massachusetts Endangered Species Act as well as additional species identified in the State Wildlife Action Plan), exemplary natural communities, and intact ecosystems.
- *BioMap2* Critical Natural Landscape was created to identify and prioritize intact landscapes in Massachusetts that are better able to support ecological processes and disturbance regimes, and a wide array of species and habitats over long time frames.

*BioMap2* uses specific data and sophisticated mapping and analysis tools to spatially define each of these components, calling on the latest research and understanding of species biology, conservation biology, and landscape ecology.

The Priority Habitats of Rare Species datalayer contains polygons representing the geographic extent of Habitat of state-listed rare species in Massachusetts based on observations documented within the last 25 years in the database of the Natural Heritage & Endangered Species Program (NHESP). Priority Habitat polygons are the filing trigger for project proponents, municipalities, and all others for determining whether or not a proposed project or activity must be reviewed by the NHESP for compliance with the Massachusetts Endangered Species Act (MESA) and its implementing regulations. Areas delineated as Priority Habitats can include wetlands, uplands, and marine habitats. In fact, over half of the total acreage of Priority Habitat is mapped for marine habitats of state-listed rare species. The Priority Habitats presented here are those published in the 13th Edition of the Massachusetts Natural Heritage Atlas, and are effective beginning **October 1, 2008**.

