

OPEN SPACE & RECREATION PLAN

2020-2027

TOWN OF GROVELAND

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Special Thanks to: the residents of Groveland that graciously agreed to be surveyed as part of this project and those that attended the public meeting.

SECTION 1
PLAN SUMMARY

This Groveland Open Space and Recreation Plan (GOSRP) describes the existing natural resources and open spaces in Groveland. It presents four goals, outlines open space needs, presents objectives associated with the four goals, and proposes groups and committees responsible for refining and implementing the Seven-Year Action Plan. Groveland's open space is a precious and limited resource that has grown over the years to provide a wide variety of opportunities for local and area residents. This Plan will guide the Town's open space and recreation philosophy, planning and management through 2027.

GOALS

Since the adoption of the plan in 1997, the Town has embarked on a number of initiatives that has resulted in implementation of a number of its recommendations. Most notably, the acquisition of open space. Overall, this Plan reaffirms Groveland's desire to meet the following goals:

GOAL 1. *Protect Groveland's water resources, particularly its aquifers.*

GOAL 2. *Protect the small-town, rural character of Groveland.*

GOAL 3. *Preserve Groveland's natural resources, including rare wildlife and their core habitat as well as open space, scenic vistas, farms, trails, greenways and wildlife corridors and especially land that enhances and buffers existing conservation land.*

GOAL 4. *Enhance recreational opportunities by protecting existing recreational land and acquiring additional land to meet increased demand due to projected population growth and to provide desired recreational offerings.*

The most important overall goal is to promote community awareness of these open space needs, goals, and objectives; and to find a consensus within the Town on how to meet these needs.

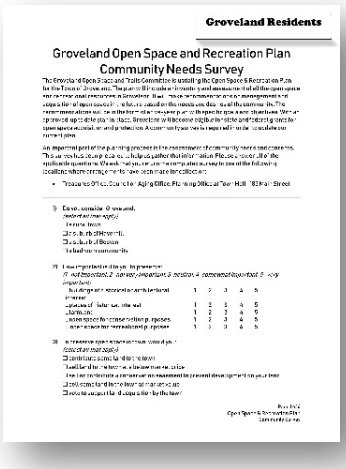
SECTION 2
INTRODUCTION

2.1 STATEMENT OF PURPOSE

Over the past several years, the Town of Groveland has experienced a significant increase in development and population. The purpose of the Groveland Open Space and Recreation Plan is to highlight the Town's natural resources, water supply, open space and recreation opportunities. This Plan provides a targeted framework and strategy for future growth and management of the Town's open space and recreation resources.

2.2 PLANNING PROCESS AND PUBLIC PARTICIPATION

The Open Space and Trails Committee, Conservation Commission, Community Preservation Committee, Town Planner, Town Assessor and the Merrimack Valley Regional Planning Commission (MVPC) worked closely together to prepare this Plan. Input was also provided by the Board of Selectmen, Town Finance Director, Recreation Committee, Planning Board, Council on Aging and Water and Sewer Commission. Public input was extensively sought during the planning process through various channels designed to reach the broadest possible audience. This was a highly collaborative effort that focused heavily on how to best implement the Plan.


Groveland Residents

Groveland Open Space and Recreation Plan
Community Needs Survey

An open space and recreation survey was distributed, both online and in print, to Groveland residents for a span of three months -April to June. The online survey was available to anyone with computer access. The survey link was posted on the Town website, Facebook page and Twitter page. The paper version was mailed with the Council on Aging monthly newsletter and was available in various offices in Town Hall. The survey received a total of 248 responses. This survey covered a number of specified topics and also included open-ended and free response questions.

Additionally, the drafted goals and objectives were shared with various boards commissions, and committees and discussed at an open public meeting for feedback and additional input. This process also led to several conversations and discussions with town departments and staff.



Lastly, the Town held a public meeting in the fall of 2019 to discuss the Open Space and Recreation Plan and accumulate any additional perspective that may not have been originally captured in the community needs survey. The meeting was advertised on flyers placed in public locations throughout town and was included on the Town calendar of events as well as on the Town's social media accounts. An announcement was also made through a town-wide robo call.

At this public meeting a Strengths, Opportunities, Aspirations, Results (SOAR) analysis was performed. A SOAR analysis is a strategic planning tool that focuses on current strengths and vision of the future for developing its strategic goals. This meeting was well attended and resulted in a productive discussion concerning what the Town is doing well, how the Town can improve and what the Town envisions for the future.



The results have provided a comprehensive view of the citizens' priorities, concerns and needs. This Plan has become a blueprint for how we move forward. Through the public engagement process, we have strengthened the commitment to the protection and enhancement of the Town's open space and recreation resources.

SECTION 3
COMMUNITY SETTING

In this section, the community's surrounding geography is described as well as its history, population, characteristics, growth and development patterns. It was not until 1850 that Groveland was incorporated as a town and grew slowly until about 1990. Between 1990 and 1998 there was a surge of residential development and then again between 2000 and 2005. Over the last few years' growth has continued at a steady and incremental pace.

3.1 REGIONAL CONTEXT

Groveland is a small residential community located in Essex County in northeastern Massachusetts with a population of 6,646 people per the 2015 ACS. The Town was incorporated in 1850. It's neighboring communities include: West Newbury, Newbury, Georgetown, Boxford and Haverhill *(see Map 1 Regional Context).* The Merrimack River forms the northern border of the Town and separates Groveland from the City of Haverhill. The Merrimack River is a beautiful and popular natural resource. The name, "Merrimack", is a Native American word meaning "swift water."

Groveland has a total area of approximately 9.41 square miles (about 6,014 acres) and a land area that is 8.94 square miles. Groveland has a gently rolling terrain with many low wetlands and a large amount of woodland. Though scattered hills rise to over 300 feet above sea level, the typical elevation is only approximately 50 feet above sea level.

According to climate data from the Lawrence Municipal Airport between 1985 and 2014, the normal temperatures for January and July are 27 degrees Fahrenheit and 73 degrees Fahrenheit, respectively with a normal annual precipitation of 44.4 inches.



The Town of Groveland is governed by a Town Meeting. The Town has a five-member Board of Selectmen that are the Town's chief elected officials with a Town Finance Director and Finance Board to establish the annual operating budget.

Town of Groveland
Regional Context

Newton, NH
Atkinson, NH
Plaistow, NH
Salem, NH
Haverhill
Methuen
Lawrence
Andover
North Andover
Tewksbury
Merrimac
Amesbury
Salisbury
West Newbury
Newburyport
Newbury
Georgetown
Boxford
Rowley
Ipswich
Topsfield
Middleton
Wenham
Lake Attitash
Merrimack River
Kenoza Lake
Crane Pond
Johnsons Pond
Lake Cochichewick
Haggett's Pond
Joppa Flats
Plum Island Sound
Atlantic Ocean
Ocean
150
286
110
108
113
495
95
213
133
97
93
114
28
125
1A

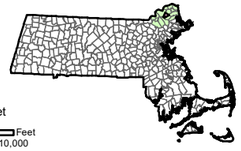
Legend

- Municipal Boundary
- Hydrographic Features
- Open Space
- Interstate
- Major Roads

N W E S

1 inch = 10,000 feet

0 5,000 10,000 Feet



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Merrimack Valley Planning Commission
plan • develop • promote

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Date: June 2019 MM

The Town supports baseball and soccer fields, basketball courts, picnic areas and parks, as well as boating facilities on the Merrimack River, all of which are heavily used by residents.

Local recreation fields and facilities include:

- **The Pines Recreation Area** (25 acres): baseball/softball, soccer, basketball, boating, cross country skiing, youth playground, bird watching, picnicking, walking/jogging
- **Bagnall Elementary** (10 acres): baseball/softball, general play, walking/jogging
- **Shanahan Recreation Area** (8 acres): football/soccer
- **Washington Park Area** (5 acres): baseball/softball, youth playground



Pines Recreation Area Fields

Recent improvements and upgrades to these fields and facilities include:

- Shanahan Field – constructed bathroom accommodations (2016)
- Washington Park – installed new playground, replaced fencing, touched up the fields, paved the parking lot (2015-2016)
- Pines Recreation Area - created new grass areas, installed a new well, installed a new boat ramp, updated utilities, paved parking lot, installed new basketball equipment, constructed bathroom accommodations. Pending projects: irrigation system, football/utility field (2016-2019)
- Bagnall School - loamed and leveled the entire area, installed a well and irrigation system, updated two baseball fields, planted trees, added picnic tables, installed a fence, paved the side parking lot. Pending projects: new playground with ADA equipment (2016-2019)



Washington Park Playground

Conservation Areas include:

- **Groveland Town Forest**: 35-acre wooded site with extensive network of trails that extend into adjacent West Newbury conservation land.
- **Meadow Pond Reservation**: 78-acres of woods, pond and vernal pools and laced with an extensive trail system that extend into adjacent Georgetown conservation land.

- **Veasey Memorial Park**: 48-acres of open fields and wooded trails along Johnsons Pond and around Nun's Hill
- **Crane's Pond Wildlife Management Area** (Mass DFW): 2,123-acre managed area for wildlife and hunting as well as opportunities for hiking and wildlife observing.

Groveland is located 31 miles north of Boston. State Routes 97 and 113 cut through the Town and Interstate Highways 95 and 495 are nearby. This highway network, along with access to the Merrimack Valley Transit Authority (MVTA) and the commuter rail service in Haverhill and Newburyport, allow Groveland residents commuting flexibility.

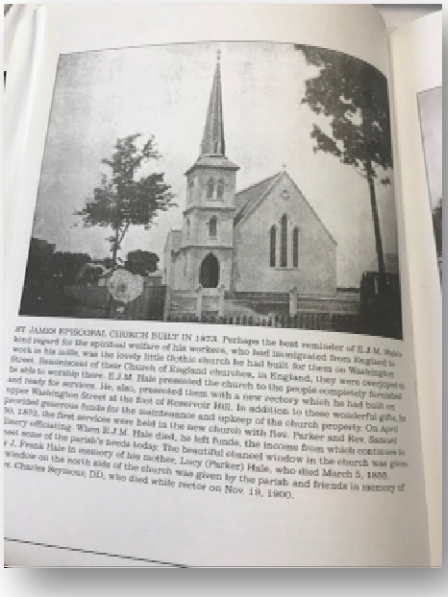
3.2 HISTORY OF GROVELAND

Groveland, as a municipal corporation, is not one of the older towns in the Commonwealth, being incorporated in 1850. Prior to its incorporation in March 1850, the Town proper was part of Rowley from 1638 to 1675, and part of Bradford from 1675 to 1850. Map 2 depicts Groveland in 1872.

New settlers valued the Groveland area because Johnsons Creek was an important source of waterpower. The creek supported the building of dams, which led to the establishment of gristmills; saw mills, and fulling mills. Leather manufacturing was also important. Though mechanical industry superseded agriculture in 1850, farming was also a vital part of Groveland's economic history.

Its settlement and its existence as a part of other towns go back to 1639 when Ezekiel Rogers' plantation was granted. The "plantation" or the old Rowley area covered in part areas now incorporated in Rowley, Georgetown, Groveland, Boxford and the Bradford area of Haverhill. As the mother plantation grew, families left the compact center area and moved to the outer limits of the grant. It is unknown who settled in town first. Some 60 years ago evidences of cellar holes could be found on a hill in Savoryville overlooking the river. It was said that these were the remains of the cabins of the first settlers in the area.

The Haseltines and William Wilde (Wild) settled in Bradford in 1649. Sarah Dewhirst Parker in her "Outline of Groveland History," published in 1950, states that they were the first settlers in that area. They took up their allotment of land off Salem Street in Bradford somewhere near the old cemetery.


ST JAMES EPISCOPAL CHURCH BUILT IN 1873. Perhaps the best reminder of E.J.M. Hale's kind regard for the spiritual welfare of his workers, who had immigrated from England to work in his mills, was the lovely little Gothic church he had built for them on Washington Street. Reminiscent of their Church of England churches, in England, they were overjoyed to be able to worship there. E.J.M. Hale presented the church to the people completely furnished and ready for services. He, also, presented them with a new rectory which he had built on upper Washington Street at the foot of Reservoir Hill. In addition to these wonderful gifts, he provided generous funds for the maintenance and upkeep of the church property. On April 30, 1893, the first services were held in the new church with Rev. Parker and Rev. Samuel Emery officiating. When E.J.M. Hale died, he left funds, the income from which continues to meet some of the parish's needs today. The beautiful chancel window in the church was given by J. Frank Hale in memory of his mother, Lucy (Parker) Hale, who died March 5, 1895. The window on the north side of the church was given by the parish and friends in memory of Rev. Charles Seymour, DD, who died while rector on Nov. 19, 1900.

Dr. Jane Dorgan, Groveland Massachusetts: A Small New England Town, Tribute 2000 Sesquicentennial

Within 50 years there were a number of families settled within the present area of Groveland. From around 1675 on, records show of the births, marriages and deaths of the Haseltines, Stickneys, Hardys, Balchs, Carletons, Morses and Parkers.

In the early days there was a close relation between church and state, and until the early 1800's the history of the Town and church would be closely entwined. The east precinct of Bradford was incorporated in 1726, and what is now the Groveland Congregational Church was incorporated in June of 1727. The present church was built in 1790 and was moved to its present location on land purchased from Peter Parker in 1849-50. The church bell was purchased from Paul Revere. Of the first 101 members we are told that 33 were Hardys.

St. James Episcopal Church, in what is now South Groveland, was built in 1873. St. Patrick's Roman Catholic Church was built in 1874, services having been held in other locations prior to the building of the church. These three churches are the only ones now in existence in Groveland.

In 1850, the Town was set apart from Bradford and named Groveland. In the series of meetings regarding the name of the new town many names were considered, some of them quite unique. To name a few, Ai, Biddyford, China, Denmark, Glascow, Harlem, LaRoy, Melody, Privilege Villa, Sweden and Vienna.

The Town, like all northern Essex Communities, was originally one of farms with a side economy of lumbering. In addition to the small sawmills on the "creek", there were from time to time small grist and fulling mills, as well as tanyards. As the economy changed from its agriculture base, scores of shoe factories arose in town over a 60-year period. At the height of this business, some 200 men were employed. The factories or shops were small, running from two-man operations to one that employed over twenty men.

Stephen Foster in his small shop on what is now Elm Park conducted a buckle making business, rather extensive for its day. The Groveland Mills, established by E.J.M. Hale around 1859, was the largest manufacturing operation in Groveland and ran until 1928. In later years the Town has had the plants of Styletex Inc. and Valley Screw Products Co. as major employers. Groveland also had its unfortunate share of gravel operations, including one owned by the Town itself on the Pines-Varney properties. The Pines area, which was part of the Town gravel operation, was once a street railway amusement park and considered one of the finest in this area.

From the Indian-French to Vietnam, Groveland contributed its share of fighting men. East Bradford men fought with Rogers and his rangers and were with the snowshoe men of Rowley in their forays against the Indians. At least 39 who fought in the revolution are buried in Riverview Cemetery, along with some 170 who answered Lincoln's call. Groveland had its full complement in the Spanish war, both world wars, the Korean action, Vietnam and Desert Storm. The Civil War memorial located at the Groveland Town Hall Complex was first erected and dedicated at Perry Park in 1866.

The oldest house in town is the Hardy house on King Street, which was built in 1676. The second oldest house, the Hopkinson house, on Main Street built around 1679. Groveland has approximately 27 pre-revolutionary houses still standing and documented by the Massachusetts Historical Commission. The Little Red School House, also known as The North School, is a one-room school house that was built in 1865. Still situated at its original location on Broad Street in a section of town known as Savoryville, the Little Red School House is owned by the Town of Groveland and leased to the Groveland Garden Club. The building was used as a school until 1956 when it could no longer accommodate the increase in the number of school-age children. The Little Red School House still displays the same blackboards and floors that date back to its very beginnings.



Shanahan Soccer Fields

In 1976, Groveland received a Housing and Urban Development (HUD) grant to build a municipal complex in the Pines area. With primarily federal and state funds, a Town Hall, Police/Fire-Safety Building and a new Library, also known as Langley-Adams Library, were built. The old Library building was sold in 1976 and is a private dwelling today. The old central fire station is now a hair stylist salon. The old Town Hall is now a multi-family dwelling.

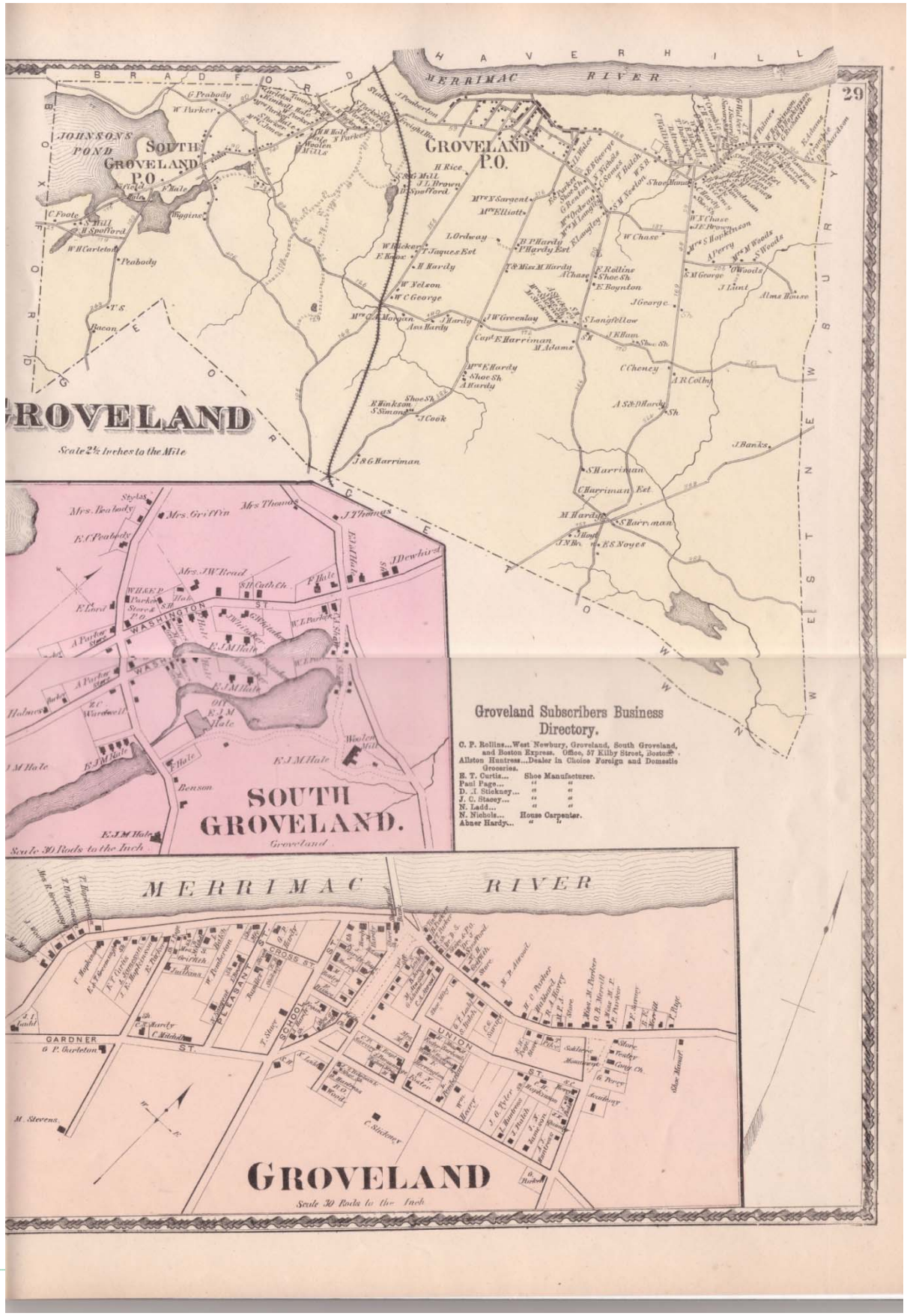


War Memorial at Perry Park

In 1982 the River Pines, a housing complex for the elderly and handicapped, was built with federal funds on land adjacent to the Town Complex.

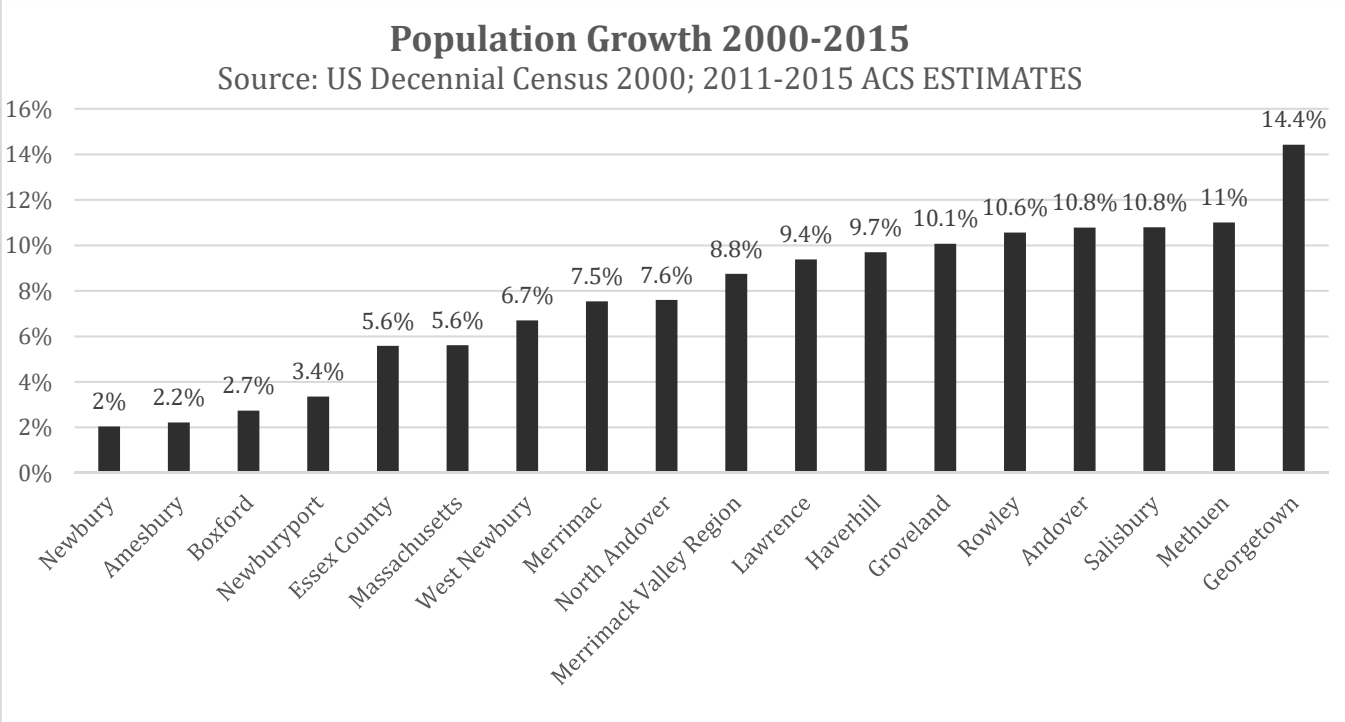
Also in 1982, the Shanahan School was torn down. The entire area was converted to a soccer field except for one small portion of the site, which was conveyed to the Historical Society. A building donated by Dr. Darke was moved to that site and is managed by the Groveland Historical Society.

MAP 2: TOWN OF GROVELAND 1872



3.3 POPULATION CHARACTERISTICS

Groveland is growing at a greater rate than the region, county, and state. Groveland's estimated population per the 2015 ACS is 6,646 people – a growth of about 10 percent from 2000. The population of Massachusetts (state) and Essex County (county) both increased about 5.6 percent in the same period. The estimated population of the region increased 8.75 percent in the same period.



The number of households in Groveland grew close to 16 percent between 2000 and 2015 with average household size decreasing about 4.8 percent from 2.93 persons per household (pph) in 2000 to an estimated 2.79 pph in 2015. Average family size stayed the same at 3.25 pph.

A trend of decreasing household size in Groveland is counter to trends in the state and county, according to the US Decennial Census and the ACS estimates. The number of households in the state increased about 4.34 percent between 2000 and 2015 and about 4.54 percent in the county. Average household size increased just under 1 percent in the county and state from 2.53 pph in the state and 2.59 pph in the county in 2000 to an estimated 2.53 pph in the state and 2.59 in the county in 2015.

Although low in comparison with other Merrimack Valley communities, population density has risen steadily in Groveland since 1980 with an increase of nearly 200 persons per square

mile. Groveland has participated with other Merrimack Valley Communities on a housing production plan aimed at providing housing for a growing population while preventing sprawl *(Town of Groveland Housing Production Plan 2018-2022).*

TABLE 1. Groveland Population Density

Groveland Population Density					
Year	Population	Total Square Miles [1]	Square Miles of Land [2]	Density Using Square Miles Total	Density Using Square Miles of Land
2017 [3]	6,789	9.4	8.88	722.23	764.53
2010	6,459	9.4	28.88	687.13	727.36
2000	6,038	9.4	8.88	642.34	679.95
1990	5,214	9.4	8.88	554.68	587.16
1980	5,040	9.4	8.88	536.17	567.57
[1] Total Area from 2010 US Census					
[2] Land Area only from 2010 US Census					
[3] Annual Estimates of the Resident Populations: April 1, 2020 to July 1, 2017					

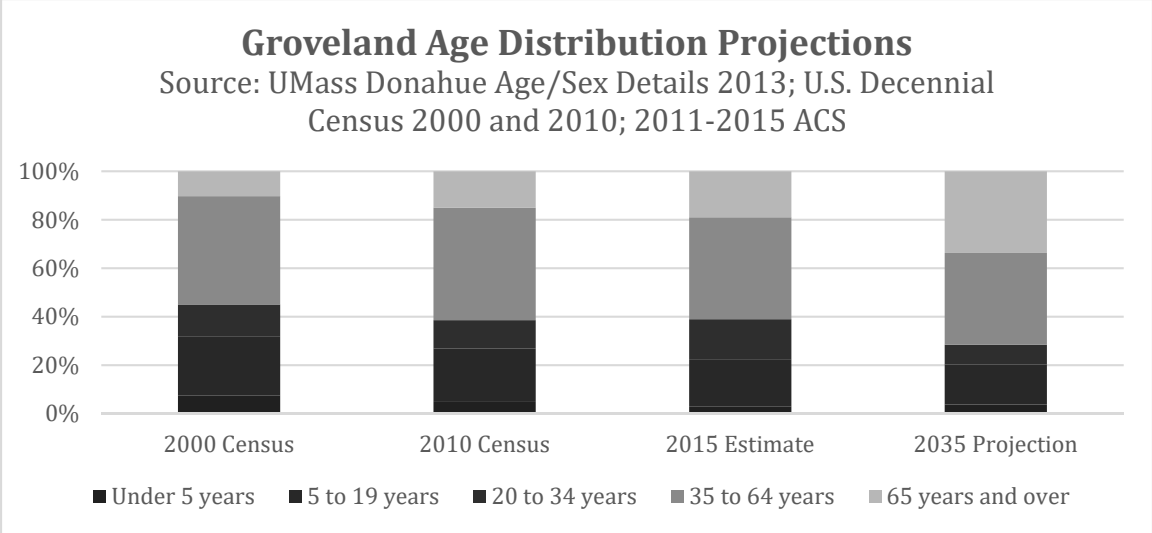
The composition of Groveland's households has changed. Single-person households significantly increased and households with children significantly decreased in Groveland. The estimated number of households with children under 18 years old decreased in Groveland from 944 households in 2000 to about 773 in 2015 – a decrease of about 18 percent. In the same period, single-person households increased from 289 households to about 508 households – an increase of close to 76 percent. In the state, households with children under 18 years old decreased about 3.7 percent in the state and 3.16 in the county. Single-person households increased about 6.9 percent in the state and 5.7 percent in the county.

TABLE 2. Groveland Household Characteristics 2000-2015

	2000	2010	2015	% Change from 2000-2015
Population	6,038	6,459	6,646	10.07%
Households	2,058	2,346	2,385	15.89%
Households with individuals under 18 years	944	850	773	-18.11%
Single Person Households	289	435	508	75.78%
Average Household Size	2.93	2.75	2.79	-4.78%
Average Family Size	3.26	3.15	3.26	0.00%
Source: US Decennial Census 2000 and 2010, ACS 2011-2015, S1101, DP-1				

Age

Per the UMass Donahue projections, the age composition of Groveland's population is anticipated to change with a 136 percent increase in the number of older adults (age 65 year and over), a 21 percent decrease of school age children, and a 26 percent decrease in the number of adults age 20 to 34 years. The median age in Groveland was estimated to be 46.3 years in 2015, according to the 2011-2015 ACS, which is higher than the county's median age of 40.6 years and the state's median age of 39.3 years.



Race and ethnicity

Per the 2015 ACS, Groveland's population continues to racially identify primarily as white alone, with an estimated 98 percent – the same proportion as 2000 when 98 percent of the population identified as white alone. In the region, about 77 percent of the population identified as white alone in 2015, down from 83 percent in 2000. The region is becoming more racially diverse, but less so in Groveland. Groveland has a small but growing Asian population – increasing from 1 percent of the total population in 2000 to about 2 percent in 2015.

Disability

The U.S. Census Bureau, per the ACS, defines disability as including go-outside-home, employment, mental, physical, self-care, and sensory.[1] Groveland's estimated disability rate (12 percent of total non-institutionalized population)[2] is comparable to the region (11 percent), county (12 percent) and state (12 percent). The estimated percentage of children under 18 years with a disability in Groveland (8 percent) is higher than the region (5 percent), county (6 percent), and state (5 percent). The estimated percentage of adults age 18 to 64 years with a disability (9 percent) in Groveland is equal to the estimated percent of population in this age cohort in the region, county, and state. Groveland's estimated

[1] U.S. Census Bureau, American Community Survey definition of disability: *https://www.census.gov/people/disability/methodology/acs.html*

[2] The U.S. Census Bureau defines non-institutionalized population as all people living in housing units, including non-institutional group quarters, such as college dormitories, military barracks, group homes, missions, or shelters. Whereas, institutionalized population includes people living in correctional facilities, nursing homes, or mental hospitals. *https://www.census.gov/topics/income-poverty/poverty/guidance/group-quarters.html*

disability rate is 29 percent for persons 65 years and over, whereas about 33 percent of the region, county, and state population in this age cohort have disabilities.

Household Types

Per the 2015 ACS estimates, Groveland has 2,385 total households, with 77 percent family households. About 38 percent of family households have children under age 18.

About 16 percent of family households with children are single-parent households in Groveland, which is lower than the region (34 percent), county (19 percent), and state (17 percent). Married couple households without children under age 18 make up 44 percent of total households in Groveland, which is more than in the region, the county, and the state.

About 21 percent of households are single-person households and about 69 percent of single-person households in Groveland are age 65 plus.

TABLE 3. Household Types 2015

Household Type	Groveland		Merrimack Valley Region		Essex County		Massachusetts	
	est.	%	est.	%	est.	%	est.	%
Total Households	2,385	100%	125,967	100%	287,912	100%	2,549,721	100%
Family Households	1,828	77%	87,499	69%	192,381	67%	1,620,917	64%
With children under age 18	692	38%	41,072	47%	85,481	44%	709,541	44%
Male householder with children, no spouse	81	12%	2,513	6%	13,166	5%	104,560	4%
Female householder with children, no spouse	31	4%	11,588	28%	39,538	14%	320,479	13%
Married couple without children under age 18	1,051	44%	36,993	29%	82,186	29%	703,162	28%
Nonfamily households	557	23%	38,545	31%	95,531	33%	928,804	36%
Total householders living alone	508	21%	31,495	25%	78,888	27%	731,770	29%
Householders 65+ living alone	352	69%	12,441	40%	33,110	42%	288,118	39%

Source: 2011-2015 ACS Estimates, Table S1101

Household Income Distribution

Groveland's households are estimated to have significantly higher incomes than households in the region, county, and state. Roughly 47 percent of Groveland's households have income of $100,000 or more and about 28 percent have income less than $50,000, per the 2015 ACS. About 34 percent of households in the region have income of $100,000 or more, 39 percent in the county, and 38 percent in the state. About 39 percent of households in the region have income less than $50,000 and 34 percent in the county and state.

TABLE 4. Household Income Distribution 2015

Income	Groveland		Merrimack Valley Region		Essex County		Massachusetts	
	est.	%	est.	%	est.	%	est.	%
Less than $15,000	138	6%	13,534	11%	31,199	11%	286,426	11%
$15,000-$24,999	136	6%	10,751	9%	24,917	9%	217,314	9%
$25,000-$34,999	112	5%	10,273	8%	22,856	8%	196,102	8%
$35,000-$49,999	279	12%	13,344	11%	30,343	11%	266,140	10%
$50,000-$74,999	346	15%	19,317	15%	45,257	16%	402,960	16%
$75,000-$99,999	250	10%	15,456	12%	35,908	12%	317,568	12%
$100,000-$149,000	591	25%	20,172	16%	47,549	17%	429,874	17%
$150,000+	527	22%	23,074	18%	49,883	17%	433,337	17%
Total	2,385	100%	125,921	100%	287,912	100%	2,549,721	100%
Source: 2011-2015 ACS Estimates, Table B19001								

Median Income

Groveland's estimated median household income per the 2015 ACS is $95,208, which is higher than the weighted mean of the median income for the 15 Merrimack Valley communities ($75,532) and significantly higher than the county ($69,068) and state ($68,563).

Educational Attainment

Per the 2015 ACS, about 96 percent of Groveland's population age 25 years and over are high school graduates or have higher education – this is higher than the county (89 percent) and state (89.8). About 22 percent of the population have a bachelor's degree and not a graduate or professional degree – this is comparable to the region (22 percent), county (22 percent) and state (23 percent). About 12 percent of Groveland's population has a graduate or professional degree – this is less than in the region (16 percent), county (15 percent), and state (18 percent).

TABLE 5. Educational Attainment 2015

	Groveland		Merrimack Valley Region		Essex County		Massachusetts	
	est.	%	*est.*	%	*est.*	%	*est.*	%
Population 25 years and over	4,735	100%	230,513	100%	523,024	100%	4,610,510	10%
Less than 9th grade	47	1%	14,836	6%	28,930	6%	220,055	5%
9th to 12th grade, no diploma	136	3%	13,017	6%	27,055	5%	251,050	5%
High school graduate	1,289	27%	58,210	25%	136,786	26%	1,169,375	25%
Some college	991	21%	38,913	17%	90,700	17%	745,794	16%
Associate's degree	663	14%	19,212	8%	43,250	8%	357,133	8%
Bachelor's degree	1,047	22%	50,116	22%	116,780	22%	1,049,150	23%
Graduate or professional degree	562	12%	36,211	16%	79,523	15%	817,953	18%
Percent high school graduate or higher	4,546	96%	202,851	88%	465,491	89%	4,149,459	90%
Percent bachelor's degree or higher	1,610	34%	85,290	37%	198,749	38%	1,890,309	41%
Source: 2011-2015 ACS Estimates, Table S1501								

Roughly 44 percent of Groveland's total labor force is employed in the industries of management, business, science, and arts. About 21 percent is employed in sales or office occupations, and about 13 percent is employed in the service industry. The remaining employed population works in the fields of natural resources, construction, and maintenance and production, transportation, and material moving.

TABLE 6. Economic Sectors 2015

Industry	**Groveland**		**Merrimack Valley Region**		**Essex County**		**Massachusetts**	
	est.	%	*est.*	%	*est.*	%	*est.*	%
Management, business, science, and arts	1,547	44%	69,906	41%	156,504	41%	1,510,715	44%
Service Occupations	449	13%	29,739	17%	70,286	18%	602,742	18%
Sales and office	732	21%	38,877	23%	90,572	24%	767,408	22%
Natural Resources, construction, and maintenance	429	12%	11,379	7%	27,135	7%	235,906	7%
Production, transportation, and material moving	346	10%	20,609	12%	39,385	10%	299,204	9%
Total civilian employed population 16 years and older	3,503	100.0%	170,510	100%	383,882	100%	3,415,975	100%
Source: 2011-2015 ACS Estimates, Table DP03								

The 2016 estimated unemployment rate for Groveland was 2.7 percent, which is lower than the county rate of 3.8 percent. The state was estimated to have a 3.7 percent unemployment rate in 2016.[3]

There are approximately twenty-one businesses in Groveland with at least 10 employees. The municipality employs approximately 100 individuals throughout its departments and services with Cedardale Groveland Outing Center employing a similar number. Groveland also supports several manufacturers, as well as retailers, service providers and food establishments. The following table is a list of those employers.

TABLE 7. List of Employers

Entity Name	Employees (Single Site)	Employees (All Sites)
Unions Machine Company of Lynn, Inc.		45
Fens Associate, LLC		30
Town of Groveland	100	104
Cederdale Groveland Outing Center	100	100
A.W. Chesterton Company	45	1,100
Valley Tree Service, Inc.	25	29
Paul April	25	25
Hastings Floor Covering, Inc.	25	25
Ital-Tech Machined Products, LLC.	16	16
Groveland Resources Corporation	15	15
Groveland Auto Repair and Sales, Inc.	14	14
Multi-Stat Mortgage, Inc.	12	12
Pub 97	12	12
Creative Mind Children's Center	10	10
Nichols Village	10	10
Picket Fence Incorporated	10	10
Millennium Plastics, Inc.	10	10
Stark and Cronk Heating & Co. Inc.	10	10
Veevee Enterprise, Inc.	10	10
Pizza Grove, LLC.	10	10
Maze Consultants Investigations, Inc.	6	13

Population Summary

- Groveland's population and households are growing at a greater rate than the region overall – growth in households was second only to Georgetown in the region. Projections indicate a continued growth in the coming years. UMass Donahue Institute population projections indicate a growth in Groveland's population by just under 460 people from 2010 to 2035.

[3] Source: The Executive Office of Labor and Workforce Development, 2016

- The composition of Groveland's households is also changing with less households with children and significantly more single-person households, many of which are older adults over age 65 years. Projections anticipate a greater percentage of older adults and less children in the coming years.
- Groveland's population has slightly higher disability rates than the region, and while it is more common for older adults to have disabilities in general, Groveland has a lower proportion of its older population reporting disabilities than in the region. However, there is still an estimated 29 percent (about 360) of older adults age 65 years and over with disabilities.

3.4 GROWTH AND DEVELOPMENT PATTERNS

As stated in the previous section, Groveland has experienced population growth over the last several years. The Town had 7% population growth in the 2000-2010 decade with forecasted 2030 Groveland population 7,900 people and a potential employment base of approximately 1,700 jobs (a 50% increase over 2010 levels).

Between 2000 and 2015, residential permit activity in Groveland fluctuated year to year with an annual average of about 13 single-family units and 35 multi-family units. Four two-family units were permitted in this period as well. Groveland's overall annual average was about 49 units including single-family, two-family, and multi-family houses. Over this period, single-family permits experienced a peak in 2001 with 35 permits pulled for construction. Multi-family peaked in 2008 with 74 units pulled for construction. Since 2000, single-family permits have fluctuated and reached a low of two in 2012. Multi-family units were not permitted in four years between 2000 and 2015 including in 2000, 2013, 2014, and 2015.

TABLE 8. Groveland Residential Building Permit Activity 2000-2015

Permits Issued	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Single-Family	9	35	18	21	20	20	18	15	8	5	6	7	7	2	15	8
Two-Family Units	0	0	2	0	0	0	0	0	0	0	0	0	0	2	0	0
Three- or Four-Family Units	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Five+-Family Units	0	12	28	36	52	65	65	60	74	30	36	43	63	0	0	0
Total	9	47	48	57	72	85	83	75	82	35	42	50	70	4	15	8

Source: MassBenchmarks Annual building permit data from Census Bureau Construction Statistics, 2000-2015

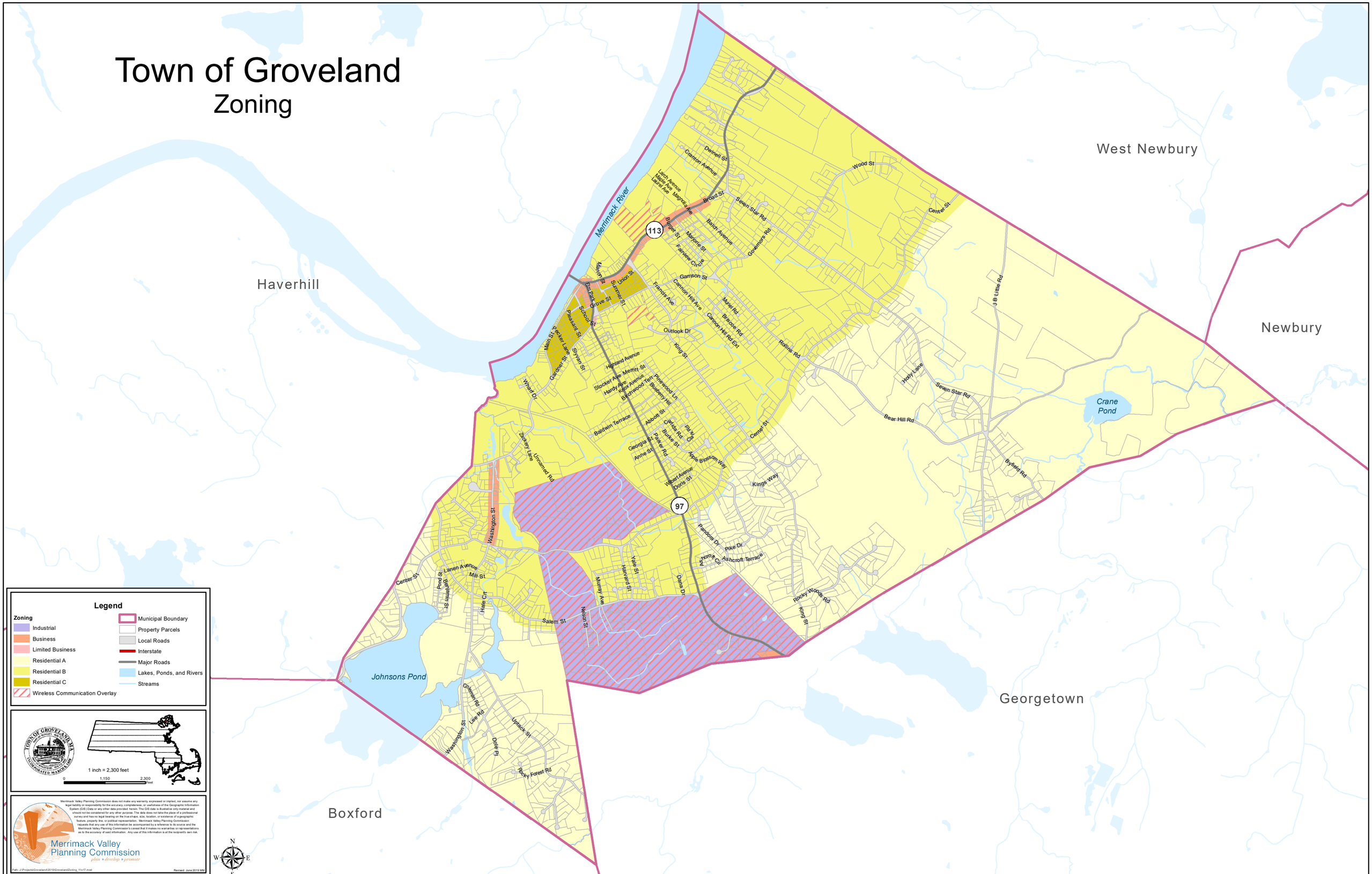
The largest commercial development in recent years was the expansion of A.W. Chesterton Company, one of Massachusetts' oldest present-day manufacturers. The 4.5-million-dollar addition, approximately 35,000SF, was completed in July 2016. The expanded facility is now the new official headquarters for the company and provides additional office space for

employees from two former Massachusetts' offices. For the first time in 115 years, all 550 Massachusetts employees are operating in one location.

Other notable commercial developments: the major renovation of the former Esty Lumber Park from a lumber yard to a storage facility. The former store and retail location was converted into office space for various businesses. At 10 Federal Way a 6,000SF expansion to the existing 22,000SF industrial warehouse that houses multiple businesses. Lastly, and most recently, the Planning Board permitted the construction of a 9,240SF self-storage facility on Nelson Street. This facility is currently under construction and expected to be completed in 2019.

The majority of growth over the years has been residential with limited commercial development.

Town of Groveland
Zoning



Legend

Zoning
- Industrial
- Business
- Limited Business
- Residential A
- Residential B
- Residential C
- Wireless Communication Overlay

- Municipal Boundary
- Property Parcels
- Local Roads
- Interstate
- Major Roads
- Lakes, Ponds, and Rivers
- Streams

1 inch = 2,300 feet

0 1,150 2,300 Feet

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Revised: June 2019 MM

3.5 INFRASTRUCTURE

Transportation Network

Groveland's transportation network is primarily rural in character. There are no interstate highway access points nor train stations located in the town. Sidewalks are predominantly found along state routes and in the downtown. The Town's roadways are popular among cyclists due to their low traffic volumes and scenic character.

Major Highways

Principal highways are State Routes 97 (north/south) and 113 (east/west). While there are no interstate highway access points, I-495 is five miles north in Haverhill and I-95 is approximately 3 miles east in Georgetown.

Rail

MBTA Commuter rail service to Boston's North Station is available from Haverhill, Rowley and Newburyport.

Bus

- Groveland is a member of the Merrimack Valley Regional Transit Authority (MVRTA). The MVRTA operates Ring and Ride, an on demand, curb-to-curb service, which connects residents to all other Ring and Ride communities as well as to the fixed route service. This service operates between 5:00 AM – 7:00PM during weekdays and 9:00AM-6:00PM on Saturday.
- The Groveland Council on Aging has a van and provides limited transportation to seniors and people with disabilities.
- The Coach Company provides commuter bus service between neighboring Georgetown and Boston.

Bicycle and Pedestrian

Sidewalks: Sidewalks are primarily found along state routes and only on one side of the road. Sidewalks are present on Route 113 connecting to both the town offices and the Middle School. The Town installed new sidewalks along School Street connecting to the Bagnall Elementary School. Sidewalks and ADA ramps were upgraded in Elm Square as part of the Bates Bridge project. The Town of Groveland is interested in completing an inventory and conditions reports of all sidewalks in the town.

Bicycling: The Town does not have any formal on-road bicycle infrastructure. Route 113 and Middle Street are both popular bicycling routes through town.

Trails: The Town is developing the **Groveland Community Trail**, which encompasses a multi-use trail along an unused rail corridor and an on-road route along Route 113 to the Pentucket schools. The first phase of the multi-use trail connects Main Street to King Street. The town envisions further connections to Haverhill and the Bradford train station. Likewise, the Town envisions connections to the Town of Georgetown, which is designing a

sidepath along Route 97. The Groveland Community Trail is programmed to receive federal transportation funds for construction in 2021.

Route 113 is also considered as part of the envisioned regional **Merrimack River Trail**, which connects all communities along the Merrimack River.

Waterways

There are nine coastal harbors in Essex County. The harbor in Newburyport is used primarily for pleasure and small commercial craft. Groveland has built a boat launch at the Pines Recreational Area and has an appointed Harbormaster. Several residences along the Merrimack River in Groveland have constructed their own wharves or landings and there are several moorings along the banks.

Other

Per the 2013-2017 ACS estimates, 59% of Groveland households have less than a 30-minute travel time commute to work. This is slightly higher than the estimated population in the region (57%), county (57%), and state (55%) that have less than 30-minute travel time to work. About 23% of Groveland households commute over an hour, which is higher than the region, county, and state.

TABLE 9. Travel Time to Work

Travel Time	Groveland		Merrimack Valley		Essex County		Massachusetts	
	est.	%	est.	%	est	%	est.	%
Less than 15 minutes	612	19%	38,890	24%	90,988	25%	749,525	23%
15-29 minutes	1,293	40%	54,314	33%	115,946	32%	1,055,050	32%
30-44 minutes	562	17%	32,674	20%	69,970	19%	731,337	22%
45-59 minutes	52	2%	6,827	4%	15,411	4%	104,313	3%
More than 60 minutes	739	23%	32,213	20%	75,044	20%	645,567	20%
Total	3,258		164,918		367,359		3,285,792	
Source: 2013-2017 ACS Estimates, Table B08303								

The data reveals that an additional 5% of the Groveland workforce is working from home.

TABLE 10. Commuting to Work

	2000	2013-2017
Drove alone	87.3%	80.6%
Carpools	8.3%	8.3%
Public transportation	1.5%	1.9%
Other means	2.0%	1.2%
Walked	0.9%	0.9%
Worked at home	2.0%	7.1%
Average time to work	28.5 minutes	28.4 minutes
Source 2000 US Censes & 2013-2017 ACS Estimates, Table S0801		

Water Supply Systems

The Groveland Water Department was founded in 1965 after the Town had spent numerous years purchasing water from neighboring Haverhill. Groveland's water supply is entirely derived from gravel packed underground wells, which are mostly located near the Merrimack River. The Groveland Water Department obtains its water supply from three production wells.

Groveland is fortunate to lie over a significant aquifer, which is a geologic formation composed of rock, sand or gravel that contains significant amounts of potentially recoverable groundwater. The aquifer recharge area that supplies production Well #1 is distinct from production Well #3 and Well #4. The former two wells share the same recharge area. The immediate recharge area, or Zone I, around each of these wells is required by law to have a 400-foot radius. This area is under the control of the water department. Argilla Brook and Johnsons Creek are major streams that flow through the recharge area of production Well #1 and discharge into the Merrimack River.

Currently, most of the community receives water from the Groveland Water Department, though a small number of residents still receive their water from Haverhill Water and Sewer Department. Public water supplies approximately two-thirds of the Town, with some residents still relying on private wells. However, sections of the water distribution infrastructure are almost 100 years old and some sections do not meet Massachusetts Department of Environmental Protection (DEP) minimum pressure requirements and/or Insurance Office fire flow standards and cannot support further development unless corrected.

Sewer Service

Municipal sewer services less than one-third of Groveland. Wastewater is pumped from the pump station on Main Street to the Haverhill Water Pollution Abatement Facility in Bradford. Many sections of Groveland are not currently sewered and cannot be easily connected to the municipal wastewater system, as wastewater-pumping stations will be required. Expanding the wastewater system to areas of town that are not currently serviced will be expensive. This is due to low population density and a difficult physical terrain which needs to be traversed that includes large expanses of open land, hills and valleys and extensive wetlands. To better supply future residents with municipal services, it would be recommended to concentrate development near existing municipal infrastructure to minimize this cost.

3.6 LONG TERM DEVELOPMENT PATTERNS

The evaluation of two sets of aerial photographs of the Town taken in 1951 and 1971 respectively provides good general indications of the changes resulting from development activities within the past decades. This assessment reveals that urban, residential,

commercial, and industrial land uses have almost doubled. Total land occupancy in 1951 of about 570 acres increased to approximately 1,050 acres by 1971. This development process, still in progress, has occurred not without toll on the quantity and quality of the existing natural resources. In the process, nearly 22 percent of the Town's wetlands have been lost and more have been damaged.

Should this trend continue with little control or preservation of open space and natural resources, the effect of such growth would detrimentally impact both air and water quality, reduce flood control, and significantly increase the demand on the Town's total infrastructure. Under fully built-out conditions, Groveland will look different than it does today. There are still large parcels of land remaining in the community that could eventually become developed. In addition to the outright purchase of land solely as open space, other tools should be considered such as the Conservation Subdivision Design(CSD) bylaw and special state grants such as Agriculture Preservation Restriction (APR), which preserves local farms. Results from the community needs survey showed that residents prefer the Town explore zoning for open space preservation rather than purchase additional land.

The local CSD bylaw was amended and adopted by Town Meeting in 2002 and offers several incentives to a developer to conserve open space in a new subdivision. When the developer sets aside 50 percent of the subdivision as open space, excluding wetlands, the developer stands to gain cost saving incentives as well as density bonuses when compared to the conventionally zoned subdivision. CSD is not like older cluster bylaws and ordinances. The primary difference is the CSD sets aside open space based on resource values, not by formula.

CSD offers an alternative, by using a four-step planning process that reverses the typical subdivision planning process. First, the open space is designated; second, the houses are sited; third the roads and trails are planned; and fourth, the lot lines are drawn.[4] The CSD bylaw needs to be examined for potential changes that affect open space.

Another alternative is identifying areas for mixed-use development. Mixed-use fosters integration, density, and compatibility of land uses. This approach compliments the community needs survey results that showed residents preferred new development occur in areas of already existing development. Two types of neighborhoods which might accommodate mixed-use residential/commercial development:

Downtown Area: Located along the Merrimack River and centered at the intersection of Routes 113 and 97, this downtown neighborhood local retail area is a prime candidate for mixed use residential and commercial uses and limited new development.

Built-Up Areas: Older neighborhoods in Groveland are ideal to encourage infill development, which would give the areas more character and create a stronger sense of

[4] Source: http://greenneighborhoods.org/site/Index.htm

neighborhood. New development should be sensitive to the design and scale of the existing structures in these neighborhoods. Residential/commercial mixed uses could be appropriate in some of these neighborhoods. These areas have most the Town's existing affordable housing units. Groveland has seven zoning districts, including three residential districts and three commercial districts. Single family and two-family residences are allowed in all the zoning districts. Multi-family homes, mobile homes and trailer homes are not allowed in any of the districts. No residences are permitted in the Flood Plain District which is an overlay district. Accessory apartments are permitted in single family homes to accommodate immediate family members of resident homeowner. Conversion of existing buildings to apartments or condominiums is allowed in the R-1, R-2, R-3 and B districts.

Implementation of these strategies will encourage development the community desires while discouraging growth in areas better reserved for conservation.

SECTION 4
ENVIRONMENTAL INVENTORY & ANALYSIS

This section presents an inventory of the Town of Groveland's natural resources, including its geology, soils, landscape character, and water resources. Also discussed in this section are the Town's vegetation, wildlife, scenic resources and unique environments. Lastly, this section addresses the environmental challenges that the Town faces to protect and preserve these natural resources.

4.1 GEOLOGY, SOILS, TOPOGRAPHY

Geology and Topography

The topography of Groveland is characterized by many low, rolling hills of glacial deposits, which in general are composed of non-stratified glacial debris that has not been moved by water subsequent to deposition by ice. Slope gradients on the sides of these hills may vary up to a maximum of 50 percent. Sand and gravel deposits were carried by the glacier and released by the melting water, as the ice front retreated northwestward. These deposits have been mined and constitute today the abundant pits of such deposits within the Town area. Map 5, *Special Features*, shows some of the interesting features of the Town including Stickney's Boulder, Cradle Rock, Veasey Memorial Park Drumlin and Nubble Squid.

One distinct type of landform related to glacial activities is the drumlin, an elongated ridge created by the advance of an ice sheet. A drumlin is characterized by a relatively steep slope on the head end, oriented into the ice in a generally northern direction, with a flat top, which tapers gently toward the tail where it ultimately blends with the surrounding topography. Although it is difficult in many cases to differentiate between a drumlin and another type of glacial deposit, a till hill, it is believed that several hills within the Town are



Veasey Memorial Park

drumlins, including the ones at the corner of Center and Washington Streets, Bare Hill, Nun's Hill (Veasey Memorial Park), and the ridge between Wood and Center Streets. Drumlins were formed about 10,000 years ago. The last great ice sheet came through the area, plowing a great quantity of mud in front of it. When the lump of mud became too big and heavy to push anymore, the ice would ride up and over it, and continue on. This process is what forms hills with this very characteristic shape. The drumlin's steep side has a heavy potential for runoff.

Topography varies throughout Groveland. The northern, more heavily settled section of the Town is made up of gently rolling terrain with scattered hills that rise to a height of approximately 250 feet above mean sea level. The terrain for the rest of the Town, with a few notable exceptions, tends to be flatter and includes sizable freshwater wetland areas. The Merrimack River forms part of the northwest limits of the Town.

Soils

Soil characteristics are closely related to geological events. Most of the Town's soil associations are characterized by deep and well-drained soils formed in glacial till materials, some of which are very stony. Poorly drained peat and muck soils constitute about 14 percent of the Town. *Town of Groveland Soils and Geologic Features Map*, Map 4, shows the soils and geological features throughout the Town. The Natural Resource Conservation Service (NRCS) has identified the following six general soil areas within the Town of Groveland:

Charlton-Sutton Association

This general soil area is characterized by deep, well-drained soils formed in firm glacial till material with a hardpan at a depth of 3 to 5 feet. This soil association occupies about 31 percent of the Town. It occurs mainly in the southwestern and central parts of the Town. The topography consists of low hills. Slope gradients range from about 5 to 20 percent; however, a few slopes are steeper than 20 percent.

Windsor-Hinckley Association

This general soil area includes droughty soils formed in deep deposits of sand or sand and gravel. About 23 percent of the Town's soils fall under this category. It occurs mainly along the Merrimack River and the area northwest of Johnson's Pond. Topography consists of stream terraces, which are nearly level or gently sloping and often interrupted by low hills with 15-25 percent slopes and eskers characterized by steep sides where slopes range from 25 to 30 percent. This general soil area has good potential as a high-volume source of good quality ground water.

Hollis Association

The Hollis Association is stony and rocky, shallow-bedrock soils, lying on slopes ranging from 3 to 35 percent. This association occupies about 11 percent of the Town, concentrated in two general areas. One is in the southwest portion of Groveland at the

northwest corner of the Town of Georgetown, and the other is within the State's Wildlife Management Area in the eastern portion along the J.B. Little Road area of Groveland. These locations are primarily rolling to steep, wooded hills that have numerous bedrock outcrops.

Canton-Hinckley Association

This general soil area is composed of deep, well drained, stony soils formed in sandy glacial till materials, and droughty soils formed in deep deposits of sand and gravel. This association occupies about 15 percent of the Town area and occurs primarily in the southern part of the Town along the Georgetown line. Where found, the topography is very irregular, consisting of knolls generally rising less than 50 feet above the surrounding terrain.

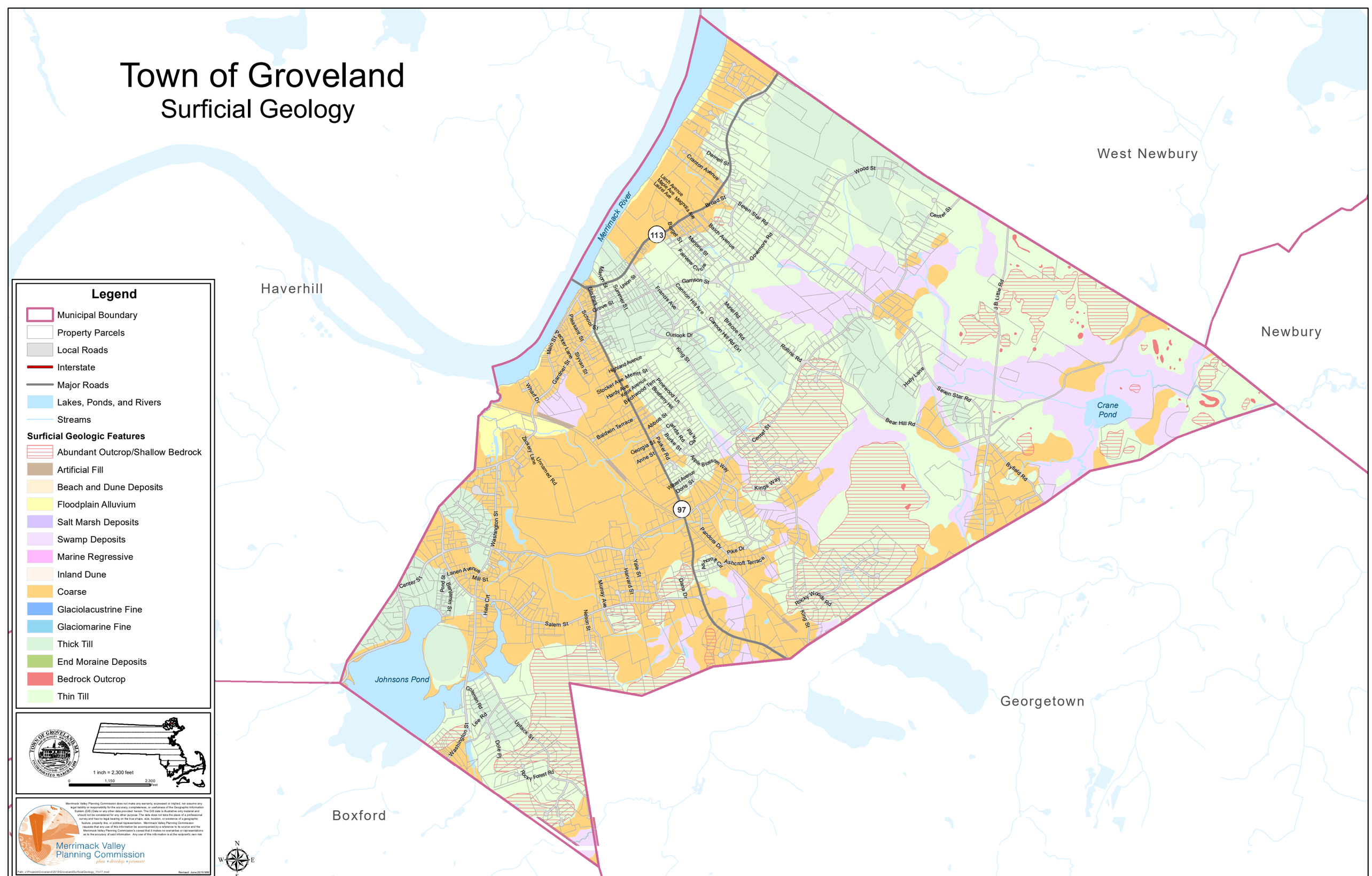
Paxton-Woodridge Association

This association is characterized by deep, well-drained, very stony soils developed in compact glacial till materials with a slowly permeable hardpan within 2.5 feet of the surface. The association occupies about 6 percent of the Town, located in the northern part of the Town around Wood Street. The topography is gently rolling to hilly, with smooth, rounded hilltops with steeper sides that rise up to 250 feet above sea level.

Peat-Muck Association

These are very poorly drained soils formed in organic deposits. This association covers about 14 percent of the Town area in low-lying land consisting of large swamps and marshes adjacent to ponds, streams, and poorly drained intervals, a large portion of which is located within the Parker River drainage area.

Town of Groveland
Surficial Geology



Legend

- Municipal Boundary
- Property Parcels
- Local Roads
- Interstate
- Major Roads
- Lakes, Ponds, and Rivers
- Streams

Surficial Geologic Features

- Abundant Outcrop/Shallow Bedrock
- Artificial Fill
- Beach and Dune Deposits
- Floodplain Alluvium
- Salt Marsh Deposits
- Swamp Deposits
- Marine Regressive
- Inland Dune
- Coarse
- Glaciolacustrine Fine
- Glaciomarine Fine
- Thick Till
- End Moraine Deposits
- Bedrock Outcrop
- Thin Till

1 inch = 2,300 feet

0 1,150 2,300 Feet

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N W E S

Prime and Significant Agricultural Soils

Prime Farmland Soils are widely distributed throughout town but are not necessarily coincident with existing farms. The majority of soil areas mapped on MassGIS Oliver as Farmland of Statewide Importance have already been developed, primarily, as residential lots and subdivisions. Areas mapped with this soil designation that remain open/undeveloped include land south of Route 113 and east of Nichols Way as well as land to the north and south of a residential development along Hilltop Circle. Another wooded tract identified as having these significant farmland soils can be found to the east of the power line right-of-way (ROW) and west of JB Little Road. Additional Farmland Soils of Statewide Importance can be found in open fields in the Bear Hill area to the southeast of Center Street adjacent to the Cedardale Complex. Farmland Soils can also be found between King Street and Rollins Street, north of Center Street and south of Center Street between Route 97 and King Street all the way to the Georgetown line. Prime Farmland Soils do overlap with existing land in agricultural use to the southeast of Wood Street north of Seven Star Road. This area is the site of several forage crop fields as well as a Christmas tree farm. Several of the parcels have 61A protection while others are listed as developable land.



Farmland on King Street

Effects on Development

Groveland changed gradually during the 20th century from a shoe industry and textile manufacturing community to one which is almost wholly residential, serving now as a suburb of nearby cities. Town residents have easy access to 95 and 495 and many of them commute to their jobs in the city or the Greater Boston Area. The most dramatic changes in town occurred in the 1960's when a number of good size developments were built. There are now about 6,646 people and about 2,503 homes in town.

Areas in Groveland which are still open and have productive agricultural uses are typically the most easily developable land because their deeper soils make excavation easier, drainage is good, and they lack wooded cover. These areas have outstanding potential for just about any type of development, such as housing. These deep productive soils are becoming rare as Groveland becomes more developed. Considering the remaining buildable land and the speculative opportunity for intensive development in Groveland, it is difficult for local farmers to justify holding on indefinitely to an agriculturally productive piece of property. Hopefully, a few of these agricultural properties will be saved through conservation

restrictions or Agricultural Preservation Restriction, thus keeping some land in agricultural production.

4.2 LANDSCAPE CHARACTER

Groveland's landscape plays a significant role in defining the character of the Town. The larger Merrimack River, that once defined industry in town, is now a recreational draw to residents as well as visitors. The Merrimack River provides opportunities for boating and fishing as well as for wildlife viewing and other forms of passive recreation. Town owned land along the River, including the Pines Recreation Area, provide these amenities and serve as a gathering spot for the community that includes river access for boating, sports fields, playgrounds, picnic areas, and a dog park. The smaller headwaters of the Parker River can be found in the Crane Wildlife Management Area and are a source of habitat for migrating waterfowl as well as an area for hunting in fall. This and other large tracts of protected open space contribute to the undeveloped rural feel of the southern portion of town.

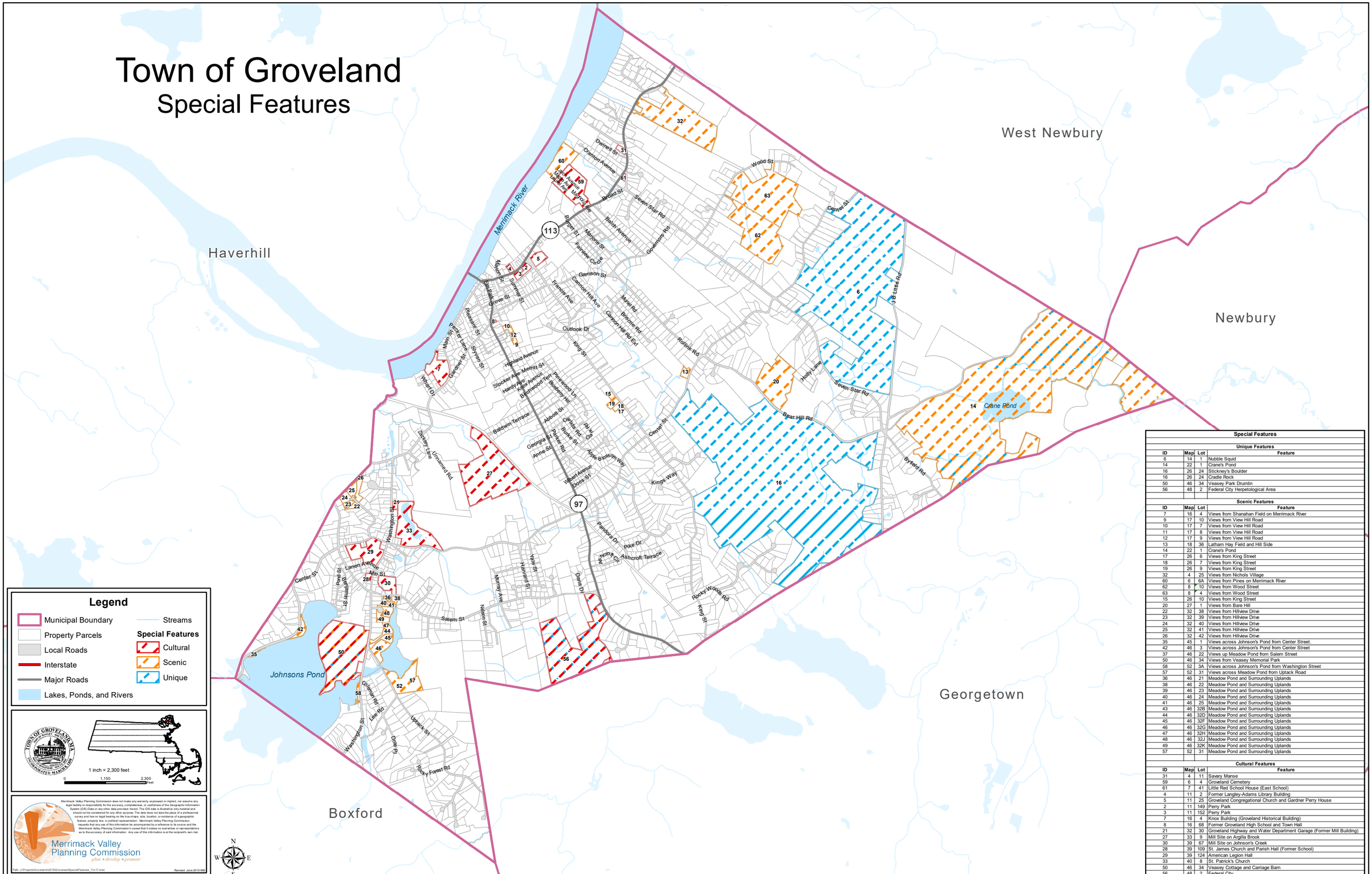


Merrimack River

Scenic vistas include those from King Street, which bisects town from north to south, and passes large agricultural fields as well as views from the western edge of the Crane Pond Wildlife Management Area. Other scenic vistas include those from Bare Hill Road which travels along the eastern edge of the Crane Pond Wildlife Management Area (western section) and high points in town such as View Hill Road and Hillview Drive. Additional scenic vistas can be found at Groveland's many ponds including those at Crane Pond, Johnsons Pond and Meadow Pond.

As mentioned previously, the area southeast of Wood Street and north of Seven Star Road is the location of several agricultural fields. These parcels include fields in forage crops as well as a tree farm. These vistas are not permanently protected although at least two of the parcels, totaling approximately 41 acres, are in the Chapter 61 program. Open field habitat found on these agricultural properties is a rare habitat type in Massachusetts and is important to the community for both its scenic character as well as its wildlife value. Prime Farmland Soils are also located in this area.

Town of Groveland
Special Features



Legend

- Municipal Boundary
- Property Parcels
- Local Roads
- Interstate
- Major Roads
- Lakes, Ponds, and Rivers
- Streams

Special Features

- Cultural
- Scenic
- Unique

1 inch = 2,300 feet

0 1,150 2,300 Feet

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Revised: June 2019 MM

N W E S

Special Features

Unique Features

ID	Map	Lot	Feature
6	14	1	Nubble Squid
14	22	1	Crane's Pond
16	26	24	Stickney's Boulder
16	26	24	Cradle Rock
50	46	34	Veasey Park Drumlin
56	48	2	Federal City Herpetological Area

Scenic Features

ID	Map	Lot	Feature
7	16	4	Views from Shanahan Field on Merrimack River
9	17	10	Views from View Hill Road
10	17	7	Views from View Hill Road
11	17	8	Views from View Hill Road
12	17	9	Views from View Hill Road
13	18	36	Latham Hay Field and Hill Side
14	22	1	Crane's Pond
17	26	6	Views from King Street
18	26	7	Views from King Street
19	26	9	Views from King Street
32	4	25	Views from Nichols Village
60	6	6A	Views from Pines on Merrimack River
62	8	10	Views from Wood Street
63	8	4	Views from Wood Street
15	26	10	Views from King Street
20	27	1	Views from Bare Hill
22	32	38	Views from Hillview Drive
23	32	39	Views from Hillview Drive
24	32	40	Views from Hillview Drive
25	32	41	Views from Hillview Drive
26	32	42	Views from Hillview Drive
35	45	1	Views across Johnson's Pond from Center Street.
42	46	3	Views across Johnson's Pond from Center Street
37	46	22	Views up Meadow Pond from Salem Street
50	46	34	Views from Veasey Memorial Park
58	52	3A	Views across Johnson's Pond from Washington Street
57	52	31	Views across Meadow Pond from Uptack Road
36	46	21	Meadow Pond and Surrounding Uplands
38	46	22	Meadow Pond and Surrounding Uplands
39	46	23	Meadow Pond and Surrounding Uplands
40	46	24	Meadow Pond and Surrounding Uplands
41	46	25	Meadow Pond and Surrounding Uplands
43	46	32B	Meadow Pond and Surrounding Uplands
44	46	32D	Meadow Pond and Surrounding Uplands
45	46	32F	Meadow Pond and Surrounding Uplands
46	46	32G	Meadow Pond and Surrounding Uplands
47	46	32H	Meadow Pond and Surrounding Uplands
48	46	32J	Meadow Pond and Surrounding Uplands
49	46	32K	Meadow Pond and Surrounding Uplands
57	52	31	Meadow Pond and Surrounding Uplands

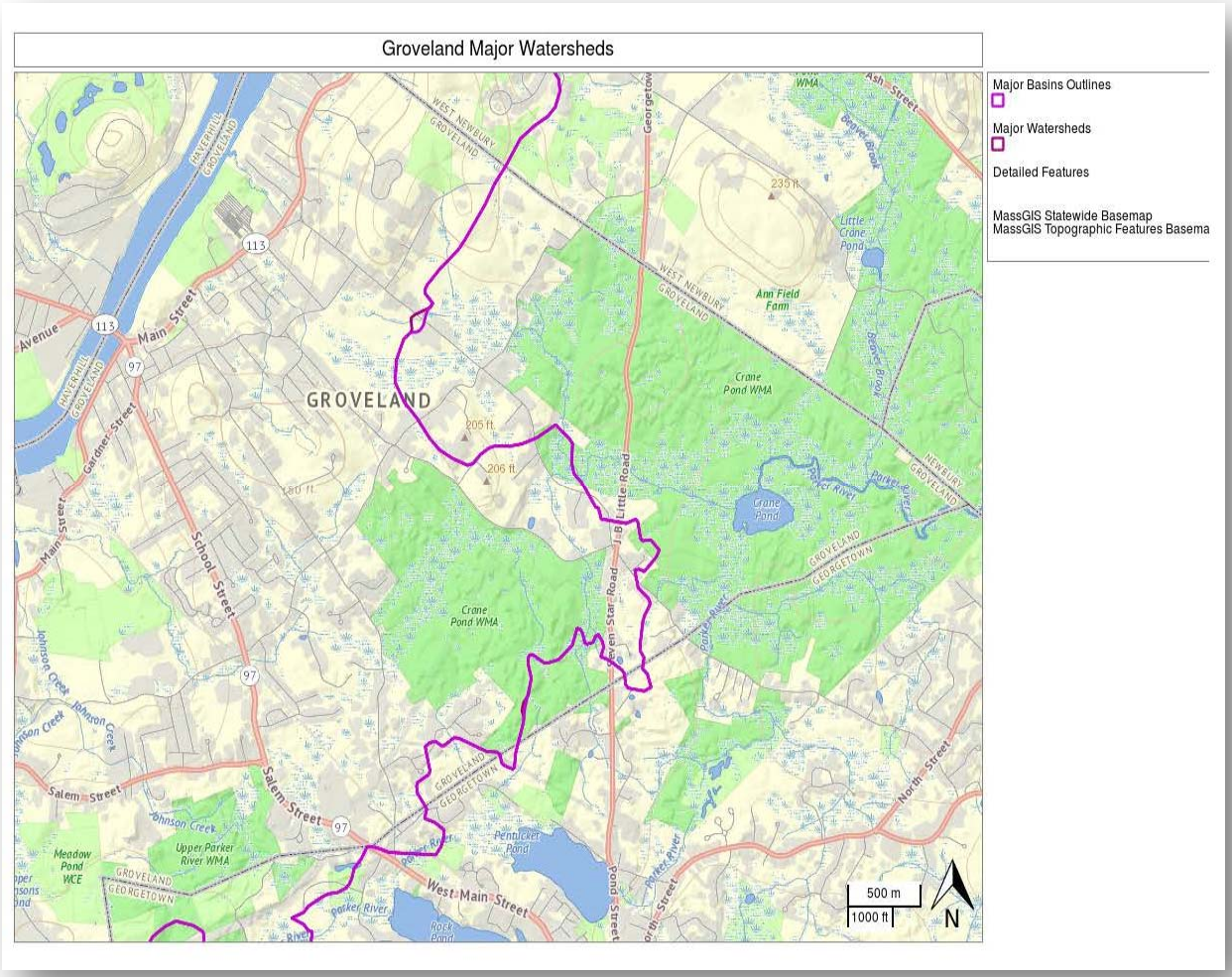
Cultural Features

ID	Map	Lot	Feature
31	4	11	Savary Manse
59	6	4	Groveland Cemetery
61	7	41	Little Red School House (East School)
4	11	2	Former Langley-Adams Library Building
5	11	25	Groveland Congregational Church and Gardner Perry House
2	11	149	Perry Park
3	11	152	Perry Park
7	16	4	Knox Building (Groveland Historical Building)
8	16	68	Former Groveland High School and Town Hall
21	32	30	Groveland Highway and Water Department Garage (Former Mill Building)
27	33	9	Mill Site on Argilla Brook
30	39	67	Mill Site on Johnson's Creek
28	39	109	St. James Church and Parish Hall (Former School)
29	39	124	American Legion Hall
33	40	8	St. Patrick's Church
50	46	34	Veasey Cottage and Carriage Barn
56	48	2	Federal City

4.3 WATER RESOURCES

Watersheds

A watershed is a geographic area of land in which all surface and ground water flows downhill to a common point, such as a river, stream, pond, lake, wetland or estuary. Streams, valleys, and drainage divides in Groveland are poorly defined. There are two major drainage basins in the Town: the Merrimack River and the Parker River. Approximately 62.5 percent of the Town's area lies within the Merrimack River drainage basin. The remainder of the Town, 37.5 percent, is found within the Parker River drainage basin. The Merrimack River collects most of the drainage from the northern and southeast sections of the Town, while the Parker River drains most of the south/southeastern sections. Johnsons Creek collects drainage from the Brindle Brook and the Argilla Brook sub-basins, before discharging into the Merrimack River near the Haverhill-Groveland town line.



Surface Water – Ponds

Four major ponds can be found in the Town: Johnsons, New Mill, Meadow, and Crane.

Johnsons Pond

Johnsons Pond, the largest, is a Great Pond with a water surface area of about 225 acres, of which 78 acres are within the Town of Boxford. Its watershed area is approximately 3 square miles. The pond serves as a water supply source for the City of Haverhill, although not used.



Johnsons Pond

New Mill Pond

New Mill Pond is situated just north of Center Street off Washington Street, north of and downstream from Johnsons Pond, Meadow Pond, and Old Mill Pond, all of which are connected by Johnsons Creek. A dam that is located behind the old Highway Department Garage creates the pond. The pond was formerly used for swimming and had a surface area of 4.5 acres. It is no longer used for swimming and now has a reduced surface area. The beach area was accessed by a dirt road from Washington Street. However, due to a lack of maintenance, the beach area has been lost to overgrowth of brush and trees and general lack of use. In addition, due to contamination of the groundwater the use of the New Mill Pond for recreational swimming has ceased and there is no current plan to reopen the pond for swimming until the contamination has been mitigated. Most of New Mill Pond is located on land owned by the Archdiocese of Boston.

Meadow Pond



Meadow Pond

Meadow Pond lies at the outlet of Johnsons Pond and is a man-made pond controlled by an outlet structure with stop-planks at Salem Street. This pond is normally about eight feet deep at the outlet and quite shallow, with protruding tree stumps and aquatic growth at the upper end.

Cranes Pond

Crane Pond is located in the eastern corner of the Town. This 21-acre pond is surrounded by a shallow fresh-water

marsh nestled within the Crane's Pond Wildlife Management Area owned by the Massachusetts Division of Fisheries and Wildlife (DFW). The pond is relatively shallow and supports a fish population comprised of pickerel, large-mouth bass, sunfish (pumpkin seeds), and brown bullheads. The Parker River meanders between Byfield Road and Crane Pond. The river enters near the northeast corner and leaves near the northwest corner of the pond. The river continues its meandering course until it reaches Newbury.

Other surface water in Groveland include:

Merrimack River

The Merrimack River is the major waterway in the area and connects this part of the State with the Atlantic Ocean near Plum Island. It is navigable above Groveland. The river forms the 2.2-mile northern border of Groveland, a natural boundary separating the Town of Groveland and the City of Haverhill. This segment of the Merrimack River has been assigned an SB classification by the Massachusetts Department of Environmental Protection (DEP) Division of Watershed Management. This class designation indicates water suitable for aesthetic enjoyment, recreational boating, wildlife habitat, and shell fishing is allowed but with restrictions. This segment of the River has improved as it was previously designated as SC. The SB classification means that the concentration (as colony forming units, CFU) of E. coli in any representative water sample does not exceed 88 CFU per 100 ml nor shall 10 percent exceed 260 CFU per 100 ml of sample.



Merrimack River

Parker River

The Parker River enters and leaves the Town in two places, and a large portion of the Town is situated within its drainage area. About 900 feet of the River crosses the Town at the very southern tip near the Boxford-Georgetown line. The River again enters in the eastern part of Groveland from Georgetown, flows into Crane Pond and out in an easterly direction. A total of 1.25 miles of the Parker River flows within Groveland. Most of the Parker River watershed lies within the Wildlife Management Area owned by the Massachusetts Division of Fisheries and Wildlife (DFW). *The Parker River Watershed Assessment Report / 2001*, states that 38.5 percent or 3.4 square miles lie within the Town of Groveland. According to the *EOEA Water Assets Study Community Report*, dated June 2004, this segment of the Parker River is classified as a "stressed watershed" in part due to the excessive withdrawal of groundwater that causes sections in the upper watershed of the river to dry up during the summer. The findings of this report were confirmed in a 2008 study by the Horsley Witten Group that also found that the upper Parker River is experiencing noticeable hydrologic

stress under current conditions compared to estimates of natural or pre-developed conditions.

Johnsons Creek

Johnsons Creek originates at the outlet of Johnsons Pond, connects a series of ponds in the western part of the Town along Washington Street, and finally flows into the Merrimack River at the Haverhill City line, a distance of about 1.4 miles. It has two major tributaries, Brindle and Argilla Brooks. Beginning in 1995, Johnsons Creek/New Mill Pond was the site of a superfund cleanup effort. See Appendix E for the EPA Superfund Site Update, 2016.

Brindle Brook

Brindle Brook about 1.1 miles in length and originates in the southern section of the Town and near the Georgetown town line. Its confluence with Johnsons Creek is just south of Center Street about midway between Zackery Path and Washington Street. Its entire length flows through or adjoins industrially zoned land.



Argilla Brook

Argilla Brook

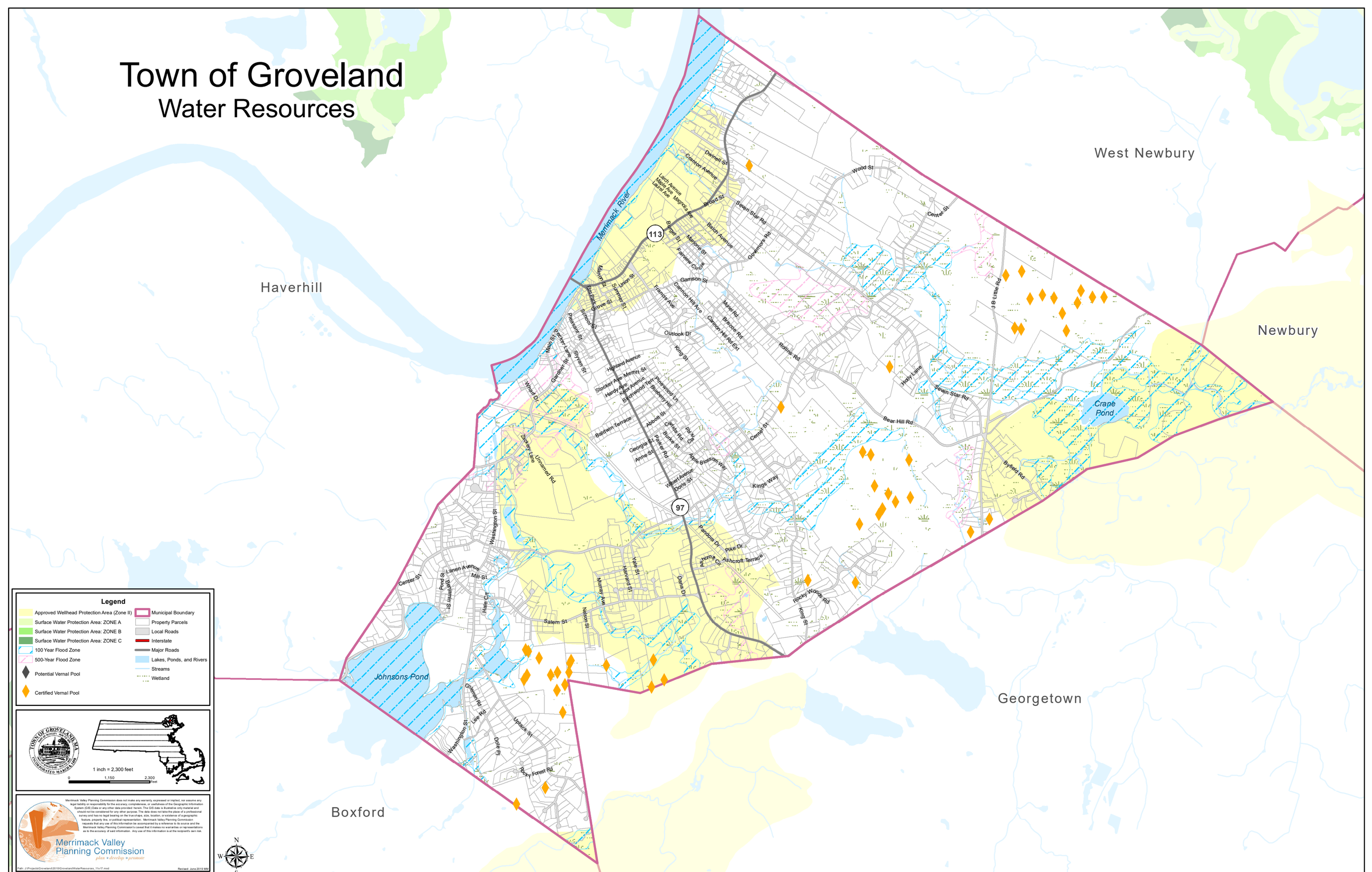
Argilla Brook originates just north of Center Street and west of King Street. It flows approximately 0.8 miles in a southwesterly direction, south to Center Street and then turns northwesterly and crosses Center Street and flows near the old railroad bed to its confluence with Johnsons Creek. The total length of Argilla Brook is approximately 1.8 miles, of which approximately 0.45 miles are located within the Zone II of town Well #1.

In July of 2000, the Division of Fisheries and Wildlife (DFW) sampled the fisheries in Argilla Brook. Their sampling indicated that this brook is an important nursery as well as a general habitat for wild brook trout. Unfortunately, this species depends on habitats that are fairly intact and not stressed by development. As the surrounding undeveloped area is lost, the survival of Argilla Brook as a nursery for these "brookies" will be doubtful. It is not surprising that the DFW recommended protecting this valuable watershed. The Massachusetts Wildlife Climate Action Tool continues to list this stream as "likely to be inhabited by Brook Trout" based on environmental conditions which include cold, highly oxygenated water.

Intermittent Streams

Smaller drainage channels exist throughout the Town, e.g., Cemetery Brook, which drains land in the populated area of Seven Star Road just north of Governors Road and King Street, and Singing Brook, which flows from Spofford Pond into Johnsons Pond

Town of Groveland
Water Resources



Legend

- Approved Wellhead Protection Area (Zone II)
- Surface Water Protection Area: ZONE A
- Surface Water Protection Area: ZONE B
- Surface Water Protection Area: ZONE C
- 100 Year Flood Zone
- 500-Year Flood Zone
- Potential Vernal Pool
- Certified Vernal Pool
- Municipal Boundary
- Property Parcels
- Local Roads
- Interstate
- Major Roads
- Lakes, Ponds, and Rivers
- Streams
- Wetland

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4.5 AQUIFER RECHARGE AREAS

The Groveland Water Department obtains its water supply from three production wells. Groveland is fortunate to lie over a significant aquifer, which is a geologic formation composed of rock, sand or gravel that contains significant amounts of potentially recoverable groundwater.



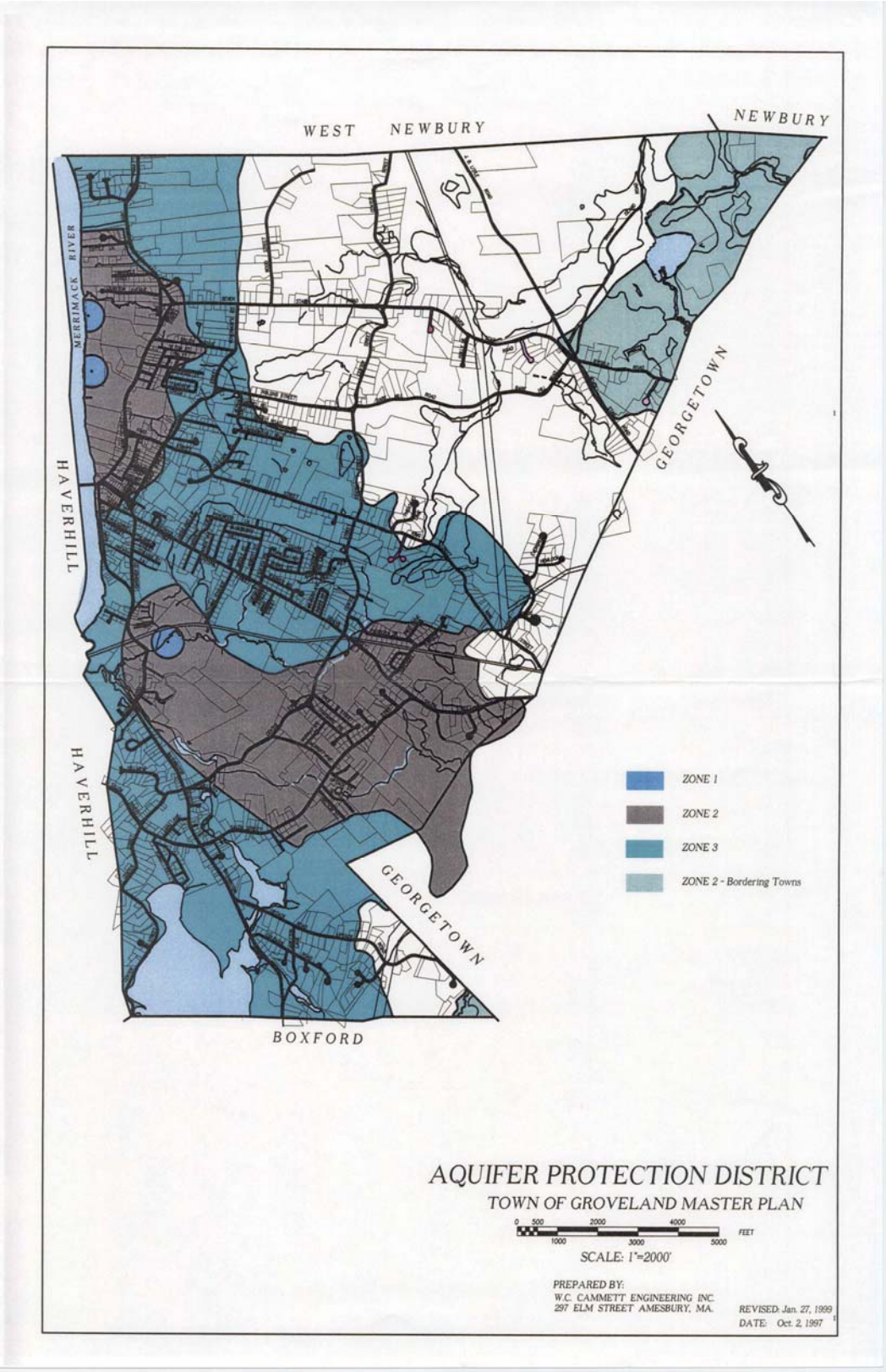
Groveland Water Department (Photo by Nicole Goodhue Boyd)

The aquifer recharge area (Zone I and II) that supplies production Well #1 is distinct from production Well #3 and Well #4. The former two wells share the same recharge area. A Zone III area of this aquifer lies between the Zone II areas of each of these two well systems. The immediate recharge area, or Zone I, around each of these wells is required by law to have a 400-foot radius. This area is under the control of the Water Department. Argilla Brook and Johnsons Creek are major streams that flow through the recharge area of production Well #1 and discharge into the Merrimack River. The *Town of Groveland Aquifer Protection Map*, Map 7, appears on the following page.

Also located at the Well #1 site is a solar field. The site is approximately 35.4 acres with 12,672 solar panels. It was placed in service in 2013. The generation facility is owned by Consolidated Edison. The land is leased from the Town. The Groveland Municipal Light Department (GMLD) pays the Town a PILOT payment each year. The facility produces about 13% of Groveland's total power required.

According to the EOEA Water Assets Study Community Report (June 2004), the EOEA projected at 100 percent build-out that the average daily water demand for Groveland would be 1.19 mgd. This represents 289 percent of the total Water Management Act (WMA) regulated annual withdrawal for Groveland Water Department (0.41 mgd) and 74 percent of the total DEP Approved Daily Volumes for the system (1.61 mgd). Though the 74 percent figure appears optimistic, the 1.61 gpd is also the physical pumping capacity of the water supply system, which, more than likely, could not be relied on for an extended period. Zone II is defined as the area of an aquifer, which contributes water to a well under the most severe pumping and recharge conditions that can be realistically anticipated, as defined in 310 CMR 22.00. Zone III is defined as the land beyond Zone II from which surface water and groundwater drain into Zone II, as defined in 310 CR 22. 00.

MAP 7: TOWN OF GROVELAND AQUIFER PROTECTION MAP



4.6 FLOOD HAZARD AREAS

Those areas in Groveland that are subjected to periodic flooding are identified as flood-prone areas. Because of the hydrologic and topographic characteristics of Groveland, the identification of flood-prone areas is divided between areas subjected to flooding from the Merrimack River and all other interior areas located in Groveland subject to flooding from interior waterways. The paucity of hydrologic data concerning the small streams within the Town further dictates this distinction.

Flood-prone areas along the Merrimack River are easily identifiable because of the historic data relative to Merrimack River flooding that have been compiled throughout the years by various government agencies. The flood of record occurred along the Merrimack in 1936 with a water surface elevation in Groveland of approximately 25.0 feet above mean sea level (msl).[1] The Corps of Engineers, since 1936, has constructed upstream flood control reservoirs which would have a modifying effect, estimated by the Corps, of approximately 5.0 feet on the flood of record at Groveland. The Corps of Engineers in 1970 advised the City of Haverhill to use the unmodified flood of 1938 to represent the modified 100-year flood event. The Federal Emergency and Management Agency (FEMA) has established flood plain limits for every community. Major storm events are typically compared to a 100-year event. If a property lies within a 100-year event flood plain, the owner is required to have federal flood insurance through the Department of Housing and Urban Development (HUD). The FEMA flood map, which is referred to as the Flood Insurance Rate Map (FIRM), indicates locations in Town that are prone to flooding. Of particular concern is Zone A, which designates the 100-year flood plain that typically requires a property owner to obtain subsidized federal flood insurance.

FEMA Flood Map Service Center



[1] Note: Based on data from U.S. Geological Survey, Water-Supply Paper

Before flood insurance policies can be sold to residents in a community, that town must adopt a protective floodplain bylaw that is consistent with requirements put forth by the Federal Emergency Management Agency (FEMA). Section 6.1 of the Town of Groveland's Zoning Bylaw (updated 2017) meets these requirements. The updated Bylaws incorporate the most recent FIRM Panels dated July 3, 2012.

Identification of flooding in the interior waterways of Groveland is an entirely different matter because of the lack of records of flood levels related to various rainfall events. Performing a preliminary hydrologic/hydraulic analysis consisting of a data search, interviews with government agencies and local citizens, and a field reconnaissance identified these flood-prone areas. This preliminary analysis can serve the community until a detailed hydrologic analysis is performed, if needed, for greater precision of flood plain delineation. The delineation of these flood-prone areas should aid in the establishment of interim flood plain zoning by the Town. Groveland has limited developable land, and an abundance of wetlands with flood plains that must be properly maintained and controlled to prevent possible future consequences detrimental to the community.

The interior waterways in Groveland are generally on a fairly steep gradient, which tends to minimize widespread flooding. Some areas are subjected to flooding along Johnsons Creek, Brindle Brook, Argilla Brook, and Cemetery Brook, and all their small-unnamed tributaries. The flooding along these streams is greatly influenced by the vast amount of wetland located within Groveland along the streams and in the upper portions of the watersheds. These wetlands have minimized the flooding in the interior part of Groveland so that there have not been severe occurrences of over-bank flow and damage in the past. This should not lull people into thinking that these streams would continue to be as amenable if the wetlands were developed to any significant extent.

From a flood prevention standpoint, preservation of the wetlands in Groveland is an essential element. The Town has strengthened its Wetlands Protection bylaw, which extends the buffer zone for building near wetlands to a 100-foot setback from the high-water mark of record. It cannot be stated often enough how important wetlands are for minimizing the impact of flooding. Wetlands act like sponges by absorbing as well as storing water during periods of heavy rainfall and surface runoff, thus, ameliorating the effect of flooding, especially, downstream sections of streams associated with these wetlands.

The sponge-like behavior of wetlands is also important for maintaining flow in many streams, which might otherwise dry up during intervals of low precipitation. Maintaining low flow is extremely beneficial from a quantity and quality aspect. Wetlands also help purify and cleanse water, which is important for water supply.

The table below gives the location and elevation of the 1938 flood at several key points along the Merrimack for the Town of Groveland. This river level would be about 0.6 feet below the low chord of the Groveland Bridge.

TABLE 11. Key Elevations of the 1938 Flood on the Merrimack River at Groveland, Massachusetts (Approximately the Modified 100-year Flood Event)[2]

Location	River Mile (miles abouve mouth)	Elevation (ft. above msl)
Pentucket Regional Middle School	14.20	17.5
Opposite Cranton Ave.	14.80	17.7
Pines Recreation Area	15.20	17.8
Groveland-Haverhill Bridge (Route 97 Bridge)	15.70	18.0
Opposite Wharf Drive	16.24	18.1
Johnsons Creek Outlet	16.33	18.1

4.7 WETLANDS

Wetlands are a valuable, irreplaceable natural resource. They serve as a habitat for fur-bearing mammals, fish, and waterfowl. Such areas act as retention basins permitting a gradual and continuous release of water into lakes and streams, and their filtering action improves the water quality, an especially important consideration wherever the water is used for recreational purposes or water supply. Wetlands often serve as nursery areas for wildlife, especially, aquatic species when associated with larger bodies of water. They also provide unique opportunities to observe wildlife in their natural habitat. In Groveland wetlands, particularly, vernal pools are critical for the development and support for many rare species of salamander and turtles, including the Blanding's turtle.

Within the Town of Groveland, the following major types of wetlands have been distinguished:

- Open fresh water (ponds and streams)
- Freshwater marshes (shallow and/or deep)
- Shrub or wooded swamps
- Meadows
- Vernal Pools

[2] Note: Based on data from U.S. Geological Survey, Water-Supply Paper

The following definitions of these wetlands distinguish each by its water depth, soil characteristics, and distinctive vegetation. The Massachusetts Agricultural Experiment Station, Department of Forestry and Wildlife Management base these definitions on the wetland classifications used by the Office of River Basins of the U.S. Fish and Wildlife Service and Department of the Interior as modified.

Although the range of water depth and vegetation characteristics during the year are the major criteria in determining the classification of the wetlands, some level fluctuations of surface and groundwater may modify a given wetland type. Such variation can be viewed in terms of months or years and may even be related to the operation of existing flow control structures. Meadow Pond in South Groveland, for example, may meet the category of a pond at one period of time but a deep marsh at another time.

Open Fresh Water: A wetland that is free of vegetation and covered with fresh, open water in ponds or streams with a water depth greater than three feet during the growing season.

Fresh Water Marshes (shallow and/or deep): A wetland that has soil saturated with water. Shallow marshes are often covered with up to six inches of water during the growing season, and usually some open water. The predominant vegetation is emergent, including such plants as cattails, bulrushes, burr weed, pickerelweed, and arrowhead, with some grasses and sedges present. Deep marshes have water depths from six inches to three feet with fairly large open-water areas that are bordered by, or interspersed with, emergent vegetation similar to that found in shallow marshes. Floating and submergent plants such as water lilies, duckweed, watershield, and pondweeds are also present in deep marshes. Birds found in these freshwater marshes include American bittern, black duck, spotted sandpipers, red-winged blackbirds, swallows, swamp sparrows, common and yellow-throated warblers, eastern kingbirds, belted kingfishers, red-winged blackbirds, and catbirds, just to name a few. Common mammals include muskrats, raccoons, beavers and river otters.

Shrub or Wooded Swamps: A wetland that usually lies on peat soil and dark-brown fibrous moss containing organic matter overlaid by decaying vegetation a few inches thick. The vegetated surface is level with standing water throughout the year. This material is sponge-like. The soil during the growing season is often covered with as much as six inches of water; the common woody species of vegetation are alder, buttonbush, dogwood, and willow; sedges are usually present in tussocks.

Meadow: A wetland that has soil that is saturated with water through most of the growing season, and surface water is present only for a short period during the spring. Vegetation is predominantly grasses, rushes, and sedges. More woody vegetative cover that stands on top of the peat layer characterizes shrub or wooded swamps. The vegetative species may vary according to the soil moisture content. The tree cover would include red maple, American elm, Atlantic white cedar, river birch, spotted alder and some scattered ash. Wildlife that can be found in wooded swamps include birds such as hairy and downy woodpeckers, swallows, flickers, belted kingfishers, catbirds, wood thrushes, cedar waxwings, meadowlarks,



Vernal Pool

sparrows, wood ducks, and migratory warblers. Mammals that often pass through wooded swamps hunting for food include fox, coyote, skunk, raccoons, otter and mink.

Vernal Pools: According to the Natural Heritage & Endangered Species Program (NHESP), vernal pools are unique wildlife habitats best known for the amphibians and invertebrate animals that use them to breed. Vernal pools, also known as ephemeral pools, autumnal pools, and temporary woodland ponds, typically fill with water in the autumn or winter due to rising ground water and rainfall and remain ponded through the spring and into summer. Vernal pools dry completely by the middle or end of summer each year, or at least every few years. Occasional drying prevents fish from establishing permanent populations. Many amphibian and invertebrate species rely on breeding habitat that is free of fish predators.

Groveland's 2008 OSRP identified 25 certified vernal pools while the NHESP Certified Vernal Pool data layer on MassGIS OLIVER now identifies over 40. In addition, there are another 40 Potential Vernal Pools identified in Groveland using this tool.

Wetlands can be found throughout the town of Groveland with a concentration of freshwater marshes and wooded swamps located in the Crane Pond Wildlife Management Area in the eastern portion of town. These wetland areas are associated with both Crane Pond and the Parker River. In the western part of town wooded swamps are associated with both Argilla Brook and Johnson Creek. In the center of Groveland large wooded and shrub swamps and a deep marsh area can be found along Seven Star Road and to the north and south of Center Street. In the northern portion of Groveland, a smaller area of freshwater wetland borders Cemetery Brook.

The Massachusetts Wetlands Protection Act (Chapter 131, Section 40) and the associated regulations (310 CMR 10.00) provide the detailed information on how a wetland is defined and delineated. Work proposed within 100 feet of a wetland is also governed by these statutes as well as by the Town of Groveland Wetlands Protection Bylaw and Regulations. Under the state act, local bylaw and associated regulations, the Groveland Conservation Commission protects the eight important functions wetlands provide (otherwise known as the statutory interests of the Act). The eight protected interests are: Protection of Groundwater Supply, Protection of Public and Private Water Supply, Flood Control, Storm Damage Prevention, Prevention of Pollution, Protection of Land Containing Shellfish, Protection of Fisheries, Protection of Wildlife Habitat.

4.8 VEGETATION

The tables below list an extensive number of tree and ground vegetation species typically found in Groveland. The Open Space and Trails Committee, aided by other appropriate committees and experts in town, will continue to augment this list over time, as more information becomes available.

TABLE 12. Inventory of Groveland Flora

Type	Species
Apple	Domestic
Arrowwood	Northern
Ash	Mountain White
Aspen	Big Tooth Quaking
Beech	American
Birch	Black Gray River White Yellow
Bittersweet	American Asiatic
Blackberry	
Blueberry	Common Highbush Common Lowbush American
Cedar	Red
Cherry	Black Choke American
Dogwood	
Elderberry	
Elm	American
Hazelnut	American
Hemlock	Eastern
Hickory	Pignut Shagbark
Hornbeam	American Hop
Honeysuckle	Japanese Northern
Poison Ivy	
Juniper	Trailing
Maple	Norway Red Silver Sugar
Oak	Black Pin Red White

TABLE 13. Inventory of Groveland Trees and Shrubs

Type	Species
Apple	Domestic
Arrowwood	Northern
Ash	Mountain White
Aspen	Big Tooth Quaking
Beech	American
Birch	Black Gray River White Yellow
Bittersweet	American Asiatic
Blackberry	
Blueberry	Common Highbush Common Lowbush American
Cedar	Red
Cherry	Black Choke American
Dogwood	
Elderberry	
Elm	American
Hazelnut	American
Hemlock	Eastern
Hickory	Pignut Shagbark
Hornbeam	American Hop
Honeysuckle	Japanese Northern
Poison Ivy	

Juniper	Trailing
Maple	Norway Red Silver Sugar
Oak	Black Pin Red White
Pine	Eastern White Red Pitch
Sassafras	
Spruce	Black Blue White
Sumac	Staghorn
Viburnum	Maple-leaf

TABLE 14. Inventory of Groveland Ground Vegetation

Virginia Creeper	**White Weeping**
Goldenrod	Staghorn Maple leaf
Skunk Cabbage	Aster
Water Hemlock	March Marigold
Jack-in-the-Pulpit	Violet, several varieties
Early Saxifrage	Dandelions
Dutchman's Breeches	Gold Thread
Lily of the Valley	Wild Oats
Wild Geranium	Nightshade
Wild Blueberry	Wild Strawberry
Cranberry	Black Raspberry
Red Raspberry	Elderberry Bittersweet
Solomon's Seal	Winter Green
Swamp Azalea	Rhododendron
Wild Red Columbine	Lady's Slipper
Greenbrier	Button Bush
Yarrow	Wild Roses
Milkweed	Evening Primrose
Purple Vetch	Golden Ragwort
Cinnamon Fern	Hepatica
Wild Grape	Celandine
Thistle	Catnip
St. John's Wort	Loosestrife
Water Hemlock	Bloodroot
Black-eyed Susan	Pearly Everlasting
Bayberry	Christmas Fern
Sweet Fern	New York Fern
March Fern	Brake Fern
Royal Fern	Christmas Fern

Forest Land

Large portions of drier soils within the Town have generally been favorable for farming since the early settlement. Noting the extreme rockiness of the soils, most of the cleared land was undoubtedly pasture land with the flatter, less rocky areas being reserved for crops.

Judging from the height and species composition of the trees, large portions of the forest area must have been cut over at least once. Uniform cycles of forest growth and reproduction have been taking place subsequently to the abandonment of farms, especially those on rough land. Abandoned fields will re-seed



Forest Land at Meadow Pond Conservation Area

naturally initially with white pine, gray and black birch, quaking aspen and sumac. In time, hickory and oaks will develop as a climax forest begins to take hold.

On heavier soils, stands of hickory, sugar maple, beech, and some hemlock can be found. In general, the existing combination of wooded land, farmland (abandoned and/or cultivated), and the various types of wetlands provides good habitats for a relatively wide range of species of both flora and fauna. Additional wildlife species, not necessarily typical to wetlands but closely dependent upon them, are ruffed grouse, ring-necked pheasant, woodcock, and wild turkey.

In addition, *BioMap2* (2012), developed by the Massachusetts Department of Fish & Game through the Division of Fisheries and Wildlife's Natural Heritage & Endangered Species Program (NHESP) and the Nature Conservancy's Massachusetts Program, highlights several Forest Cores in Groveland. These cores are examples of large, intact forests that are least impacted by roads and development according to the 2012 report for Groveland. The largest of these cores is located in the southeast corner of Town and includes much of the Crane Pond Wildlife Management Area. Owned by the Division of Fisheries & Wildlife (DFW), forests on the land have been managed to improve biodiversity.



Elm Park 2009

Public Shade Trees

From 2006-2009, a major project was initiated and carried out to rehabilitate and preserve the Town of Groveland's historic downtown center known as Elm Park. This park-like setting existed since the late 1800s and the goal was to restore an image of the park from circa 1900 when large shade trees, American Elms, were paired along the length of the park creating a shaded canopy upon which residents strolled at the beginning of the peak of prosperity in the Town of Groveland. The original elm trees were lost due to Dutch Elm Disease. In 2007-2008, forty-six disease resistant American Elm trees were planted in the park along with thirteen white pine trees that encircle the war monuments at the south end of the area. In addition to the shade trees, a



Elm Park 2019

historic clock was erected at the north end of Elm Park and a replica of an antique drinking fountain was placed in its original location near the center of the park. Finally, a shaded structure, a replica of the original meeting house was also erected in the park. Together, the elm trees, monuments and gazebo have re-created the Town of Groveland's original ambiance and it is currently managed by the Groveland Historical Commission. Funds were obtained for the project via the Historic Landscape Preservation Grant from DCR, a matched grant from the Essex National Heritage Area, the Massachusetts Historic Commission and a PEWED grant from the Commonwealth of Massachusetts.

Agricultural Land

Agricultural land in Groveland consists primarily of field or forage crops with some pasture and at least two properties dedicated to growing Christmas trees. There are a total of 19 properties taxed under Chapter 61A (agricultural) or 61B (recreational). This tax status must be renewed annually and does not guarantee that the parcels will remain in agricultural use. The largest of these is the Esty Farm (approximately 47 acres) off Governors Road which is a mix of fields in forage crops with a large wooded wetland separating the fields. Another 15 acres known as the Esty Pasture is located off of King Street and is adjacent to the 16-acre Latham Farm and Hayfield. Also, in same ownership (Latham) is a 31 acre parcel off of Wood Street currently managed for Christmas trees. Adjacent to the tree farm parcel is an open field (approximately 5 acres) managed for forage crops with an abutting field of approximately 11 acres in similar production and same family ownership. The 11-acre field is in Chapter 61A, but the smaller field is unprotected. As previously mentioned, this area (Wood Street) contains Prime Farmland Soils.



Wood Street Christmas Trees

The Baert Farm, located on Bear Hill Road, is the only parcel in Groveland listed in Chapter 61B. A second Christmas tree farm comprised of two parcels totaling approximately 15 acres is located just off Route 97 near Hardy Street.

Wetland Vegetation

Wetlands are a valuable, irreplaceable natural resource. They serve as a habitat for both flora and fauna. Predominant emergent vegetation includes cattails, bulrushes, burrweed, pickerelweed, and arrowhead, as well as some grasses, sedges, and the ubiquitous purple loosestrife. Wetlands with significant water depths, typically greater than three feet, have

characteristic floating and submergent plants such as water lilies, duckweed, and watershield. Other types of local wetland vegetation include some common woody species such as speckled alder, buttonbush, red twig dogwood, winterberry, and several species of willow; sedges are often present as tussocks.

BioMap2 identifies several Wetland Cores within Groveland. These undeveloped wetland areas with intact buffers are some of the least disturbed wetlands in the state with intact buffers and little fragmentation. These wetlands are able to support critical wetland functions including diverse plant and animal habitats. In Groveland these cores can be found along the southern border with Georgetown and encompass much of the Crane Pond Wildlife Management Area. The other wetland core is located along the banks of the Merrimack River. Stated listed wetland vegetation within these cores includes:

Long's Bulrush	*(Scirpus longii)*	Seabeach Dock	*(Rumex pallidus)*
American Waterwort	*(Elatine americana)*	Vasey's Pondweed	*(Potamogeton vaseyi)*
Eaton's Beggar-ticks	*(Bidens eatonii)*	New England Siltsnail	*(Floridobia winkleyi)*
Englemann's Umbrella-sedge	*(Cyperus engelmannii)*	Arrow Clubtail	*(Stylurus amnicola)*
Estuary Arrowhead	*(Sagittaria montevidensis ssp. spongiosa)*	Cobra Clubtail	*(Gomphus vastus)*
Parker's Pipewort	*(Ericoalon parkeri)*	Coppery Emerald	*(Somatochlora georgiana)*
		Riverine Clubtail	*(Stylurus amnicola)*
		Umber Shadowdragon	*(Neurocordulia obsoleta)*

Rare Species

Map 8, *Biomap2* published by the Natural Heritage & Endangered Species Program (NHESP) and the Nature Conservancy is a helpful source for identifying rare species of local flora and fauna as well as the natural communities that exist in Groveland. The map delineates core habitats that identify the most critical sites that should be considered for biodiversity conservation locally and statewide. This report also lists rare species and natural habitat found in each of the Massachusetts communities. According to NHESP, core habitats represent a wide diversity of rare species and biodiversity as well as the most viable rare plant and



animal species and exemplary natural communities and aquatic habitat. One of the best ways to protect biodiversity for future generations from human impact is to protect core habitat through conservation. Core habitat is indicated in dark green on the Core Habitat Map. This map shows that a large portion of Groveland is shaded in dark green. This core habitat includes Crane's Pond Wildlife Management Area, the Groveland Town Forest and most of South Groveland, which includes a portion of "Turtleland".

There are several rare species of turtles and salamanders that are listed by NHESP that are found in Groveland. These species include the wood and Blanding's turtles as well as the blue-spotted and four-toed salamanders that are listed as species of special concern, except the Blanding's turtle is listed as a threatened species. The existence of this rare species in Groveland has been documented by the NHESP.

As a result of an ongoing Blanding's turtle study involving sections of South Groveland, including the Meadow Pond Conservation Area, and Northwest Georgetown, more than fifty adult Blanding's turtles have been trapped, marked and released. The Massachusetts Division of Fisheries and Wildlife (DFW) consider this area, to have the second largest population of these rare turtles. As part of this study, turtles are trapped/captured so they can be weighed, examined for general health and vigor, marked for identification and their location documented. They are then returned to the wild.

Ospreys have been frequent visitors to Johnsons Pond area and a red-shoulder hawk was observed regularly in this area during the winter of 2004 through 2005. Snowy Owls have also drawn "birders" to this area. The great egret is another majestic bird that has been observed. It is distinguished from the similar great blue heron by its white feathers and a yellow bill and long black legs. The Essex Natural Heritage Area website lists the Crane Pond Wildlife Management Area as a spot to view spring-migrating waterfowl as well as view the spring courtship rituals of woodcock, ruffed grouse and wild turkeys. A wide array of nesting songbirds, both upland and wetland, can be found in this area. Other birds that attract visitors to the area are bluebirds and bobolinks. Majestic Bald Eagles are frequently seen along the Merrimack River.

Groveland still has a large amount of core habitat, which makes protecting habitat even more crucial.

Unique Natural Resources

The area in South Groveland referred to as "Turtleland" includes several vernal pools, small streams, and a large beaver impoundment as well as a sphagnum bog. The Crane's Pond Wildlife Management Area, a large section of which lies within Groveland, also has over twenty vernal pools and several large beaver impoundments. Many species of wetland vegetation inhabit Meadow and Johnsons Pond. Since the Merrimack River forms the northern border of Groveland, this provides another unique environment for wetland flora as cited in the Wetland Vegetation section above. A section of the Merrimack River in adjacent West Newbury contains a globally rare Freshwater Tidal Marsh community where the marshes are flooded by tidal action twice a

day, but with fresh water. Also significant to the area are floodplain forests which are dominated by silver maple and green ash. While documented as being in "relatively good condition" in the 2012 BioMap2 report, the discovery of the Emerald Ash Borer in the Merrimack Valley in 2013 will likely threaten this Green Ash dominated community.

4.9 FISHERIES & WILDLIFE

Groveland provides great habitat for a variety of wildlife. A large area of the Town is owned and managed by the Massachusetts Division of Fisheries and Wildlife (DFW). The Veasey Memorial Park/Meadow Pond vicinity is particularly rich in wildlife, as it represents an "intersection" of several different ecological environments: pond, forest, marsh, open field and meadow. Wildlife that can be observed in this area are deer, osprey, great horned owls, great blue herons, kingfishers, egrets, beaver, red fox, fisher, wood, painted, Blanding's and snapping turtles, woodchucks, muskrats and river otter, to name some of the species.

In addition, the mainstream of the Merrimack River's waters can be a location to see small numbers of federally endangered Atlantic and Shortnose Sturgeon. Argilla Brook is known as a coldwater fishery and is home to native Brook Trout. Although the 2019 Mass Wildlife Trout Stocking report did not list any Groveland locations, the Parker River, just south of Crane Pond is stocked with Eastern Brook Trout and Rainbow Trout.

MAP 8: BIOMAP2

***BioMap2* Core Habitat and Critical Natural Landscape in Groveland**

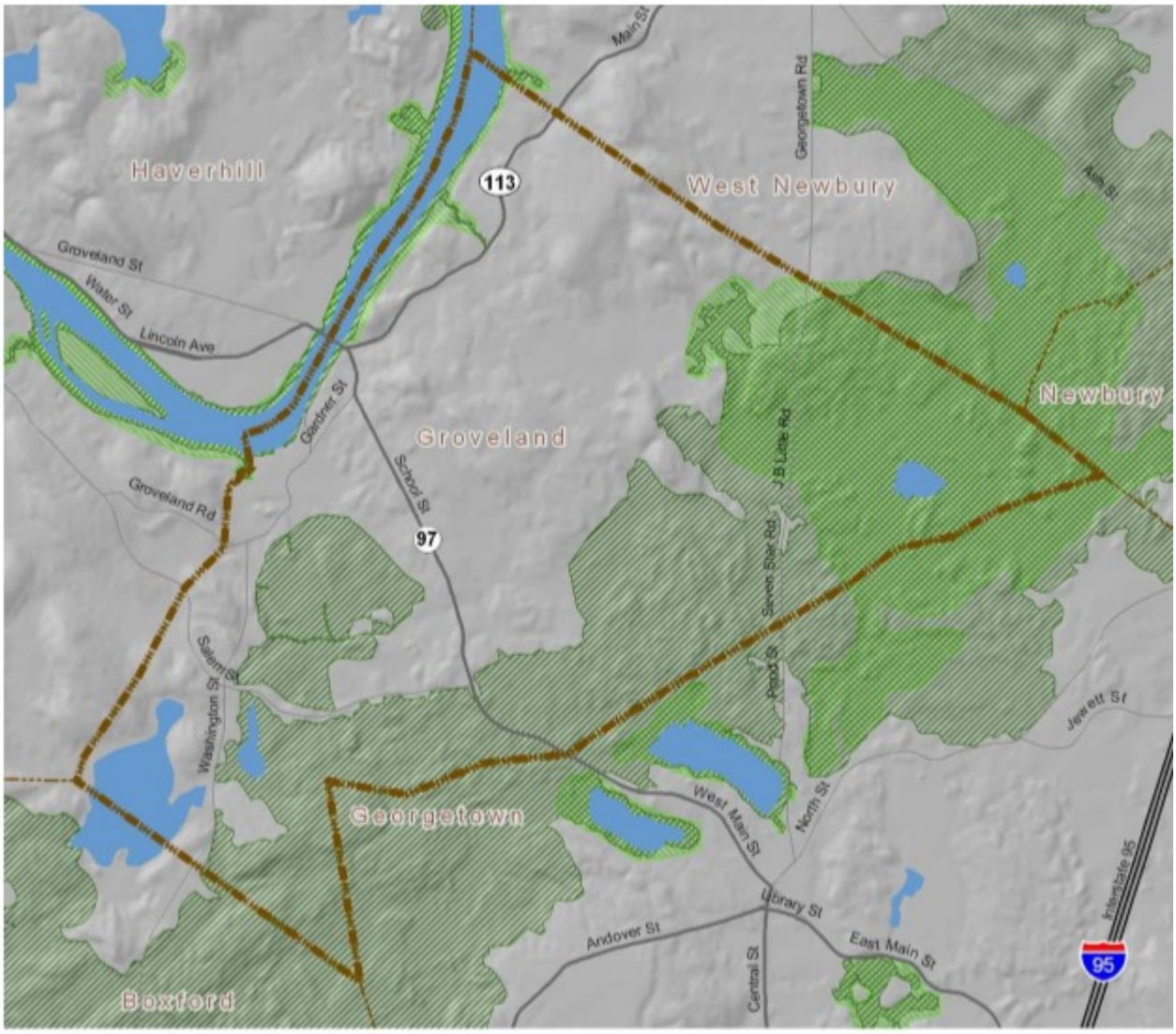


TABLE 15. Rare Species in Groveland Core Habitat

Taxonomic Group	Scientific Name	Common Name	State Rank	Federal Rank	Most Recent Observation
Amphibian	Ambystoma laterale	Blue-spotted Salamander	SC		2004
Amphibian	Ambystoma laterale	Blue-spotted Salamander	SC		2004
Amphibian	Hemidactylium scutatum	Four-toed Salamander	SC		2004
Bird	Botaurus lentiginosus	American Bittern	E		1992
Bird	Haliaeetus leucocephalus	Bald Eagle	E	(PS:LT, PDL)	1999
Bird	Ixobrychus exilis	Least Bittern	E		1992
Bird	Vermivora chrysoptera	Golden-winged Warbler	E		1991
Fish	Acipenser brevirostrum	Shortnose Sturgeon	E	LE	1991
Fish	Notropis bifrenatus	Bridle Shiner	SC		1998
Mussel	Ligumia nasuta	Eastern Pondmussel	SC		historic
Reptile	Clemmys insculpta	Wood Turtle	SC		2000
Reptile	Emydoidea blandingii	Blanding's Turtle	T		2004
Vascular Plant	Houstonia longifolia var. longifolia	Long-leaved Bluet	E		historic
Vascular Plant	Scirpus longii	Long's Bulrush	T		2001
Vascular Plant	Sparganium natans	Small Bur-reed	E		1957

T = Threatened, E = Endangered, SC = Special Concern

LE = Listed Endangered, PS:LT, PDL = Partial Status: List threatened, Proposed for delisting

Inventory

Inventory of Groveland Wildlife, provides a partial list of some common and rare local flora and fauna that are found in the Town of Groveland. Within this inventory listing are mammals, birds, fish, mollusks and crustaceans, amphibians, and reptiles.

TABLE 16. Inventory of Groveland Wildlife

Eastern Chipmunk	Raccoon	Short-tailed Shrew
Gray Squirrel	Porcupine	New England Cottontail Rabbit
Woodchuck	Fisher	Coyote
Beaver	White-Tailed Deer	Gray Fox
Deer Mouse	Flying Squirrel	Skunk
White-footed Mouse	Red Squirrel	Opossum
Eastern Cottontail Rabbit	Muskrat	Weasel
Snowshoe Hare	Star-nosed Mole	
Red Fox	Vole	

TABLE 17. Inventory of Groveland Amphibians

Spotted Salamander	Gray Tree-frog	Marbled Salamander
Red-backed Salamander	Blanding's Turtle	Red-spotted Newt
American Toad	Blue-Spotted Salamander	Spring Peeper
Leopard Frog	Four-toed Salamander	
Bullfrog	Spring Salamander	

TABLE 18. Inventory of Groveland Fish

Largemouth Bass	Pike	White Crappie
Brook Trout	Pumpkinseed Sunfish	Atlantic Salmon
Pickerel	Black Crappie	Shad
Yellow Perch	American Eel	Shortnose Sturgeon
Smallmouth Bass	Alewife	
Rainbow Trout	Sturgeon	

TABLE 19. Inventory of Groveland Mollusks and Crustaceans

Crayfish	Garden Slugs	Garden Snails
Fresh Water Snails	Fresh Water Clams	Oriental Spiral Snail

TABLE 20. Inventory of Groveland Reptiles

Spotted Turtle	Northern Water Snake	Ring-necked Snake
Musk Turtle	Painted Turtle	Snapping Turtle
Garter Snake	Wood Turtle	
Black Racer	Milk Snake	

TABLE 21. Inventory of Groveland Birds

Great Cormorant	Herring Gull	Wood Duck	Black Duck
Ring-billed Gull	Great Black-backed Gull	Mallard	Canvasback
Turkey Vulture	Red-tailed Hawk	Wood Duck	American Bittern
Bald Eagle	Osprey	Ring-necked Duck	Common Merganser
Common Nighthawk	Cooper's Hawk	Northern Shrike	Catbird

Kingfisher	Wild Turkey	Baltimore Oriole	Tree Swallow
Ruffed Grouse	Broad-winged Hawk	Barn Swallow	American Crow
American Coot	American Kestrel	Tufted Titmouse	Nuthatch
Mourning Dove	Ring-necked Pheasant	Wood Thrush	Hermit Thrush
Mockingbird	Killdeer	Red-winged Blackbird	Eastern Bluebird
Cardinal	Bobolink	Cedar waxwing	Rock Pigeon
Goldfinch	Robin	Eastern Wood Pewee	House Finch
Piliated Woodpecker	Blue Jay	Rufous-sided Towhee	Evening Grosbeak
Hairy Woodpecker	Black-capped Chickadee	Mute Swan	Osprey
Chimney Swift	Red-bellied Woodpecker	Canadian Goose	Broad-winged Hawk
Downy Woodpecker	Ruby-throated Hummingbird	Green-winged Teal	Cooper's Hawk
Eastern Phoebe	Northern Flicker	Bufflehead	American Kestrel
Yellow Warbler	House Wren	Great-horned Owl	Saw-whet owl
Starling	Barn Owl	Screech Owl	Barred Owl
Small-eared Owl			

Birds are a particularly rich and varied wildlife in Groveland. Veasey Memorial Park and the Meadow Pond Conservation Area are wonderful areas to observe many species of birds. During Biodiversity Day 2002, the Groveland Open Space & Trails Committee and the Parker River Clean Water Association sponsored a wildlife identification event. In the Spring of 2005, the Groveland Open Space & Trails Committee, with assistance from the Friends of Veasey Park, established a nesting box program at Veasey Memorial Park. In the spring of 2006, there were 15 nesting boxes installed at this site. The prime purpose of this program is to encourage the nesting of bluebirds. The Veasey Memorial Park Committee also decided not to mow the main field until after July. Though this affects the quality of the cut hay, the field attracts bobolinks that are now nesting in the uncut field. Also, by delaying the mowing until later in the season creates a better habitat and variety of butterflies that flit about the field.



Bluebirds at Veasey Memorial Park

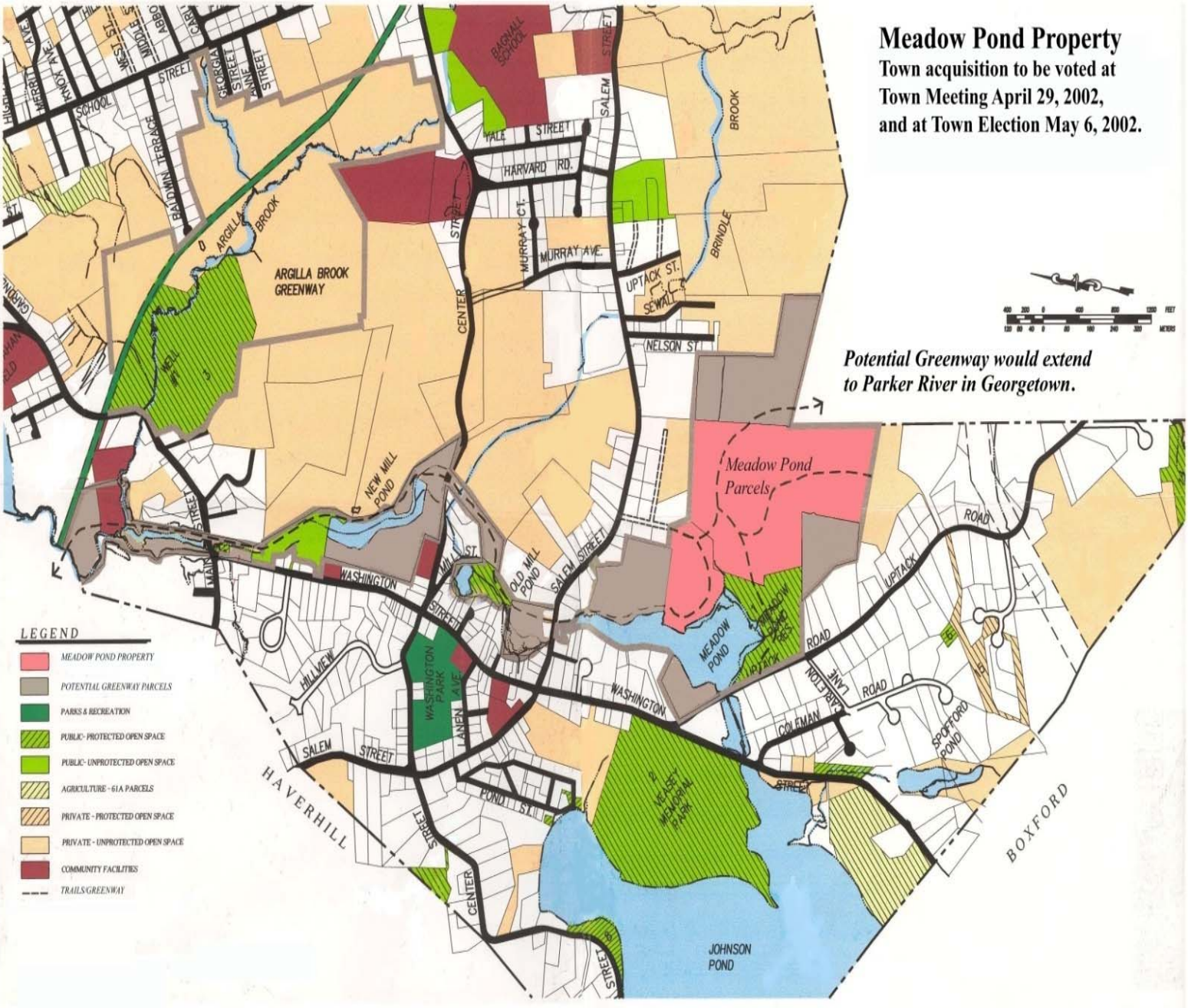
Corridors for Wildlife Migration

The Crane's Pond Wildlife Management Area, Veasey Memorial Park, Meadow Pond Conservation Area and Groveland Town Forest as well as larger tracts of undeveloped and privately-owned lands are used as migratory corridors and refuges for migrating bird species, especially for spring and fall warbler migrations, as well as areas for habitat and foraging sites for year-round wildlife. Natural greenways, including Johnsons Creek, Brindle and Argilla Brooks, the Merrimack River and the several utility easements that transverse the Town assists many wildlife species to navigate their way through the developed sections of town. The Merrimack River is an important wildlife corridor for raptors and great blue herons during seasonal migration.

The Groveland Greenway Map, Map 9, highlights important wildlife corridors. There have been three greenways identified in Groveland that extend into the bordering communities. These corridors are:

- Argilla Brook
- Johnsons Creek
- Town Forest

MAP 9: GROVELAND GREENWAY MAP



4.10 SENIC AND UNIQUE ENVIRONMENTS

This Plan considers scenic and unique environments, i.e., landscapes with pleasant natural and significant cultural components, should be thought of as a valuable resource that enhance the character and value of the Town. Special attention needs to be given to those areas with excellent views and scenic vistas. This is especially the case for hilltops, which have been a key reason for protecting such locations as Nun's Hill (Veasey Memorial Park) and the Town Forest. *Town of Groveland Scenic Resources and Unique Environments*, Map 10, shows many of the scenic and unique environments in town. This map is an excellent reference for this section of the report.

Scenic Landscapes



Veasey Memorial Park

Because of Groveland's open space, rolling hills and semi-rural setting, scenic views are not rare in town. The Johnsons Pond area, which is abutted by Veasey Memorial Park, is well known for its scenic views. From Washington Street, one can look across the pond and see a view of almost unspoiled natural beauty. Although very close to development, this vista, complete with its great variety of wildlife, feels as if one is in a more remote setting.

The view from Nun's Hill does not extend over a tremendously great distance, but still offers a panorama greater than 180 degrees. Many local residents walk to the top of the hill not only for the views but to picnic and spend some time enjoying this panorama. This is also a wonderful area for passive recreation in all seasons. In the winter, sledding, cross-country skiing and snowshoeing are popular activities, when snow is available. The sight of families sledding in the snow against the beauty of the hill and its surrounding area brings to mind a classic painting or holiday greeting card. The lone oak tree that stands in the middle of the field and angled against the hillside is a familiar local sight.

The Parker River Watershed area is another site of natural beauty. Crane Pond, through which this river flows, is protected and lies within the Crane's Pond Wildlife



Veasey Memorial Park

Management Area, that is owned and managed by the Massachusetts Division of Fisheries and Wildlife (DFW), is surrounded by extensive marshes and forest. This unspoiled area of pond and forest is available for hiking and canoeing. Also, the views from the top of Cedardale (Bare Hill), King Street and Hill View Farm Road offer opportunities for great vistas.

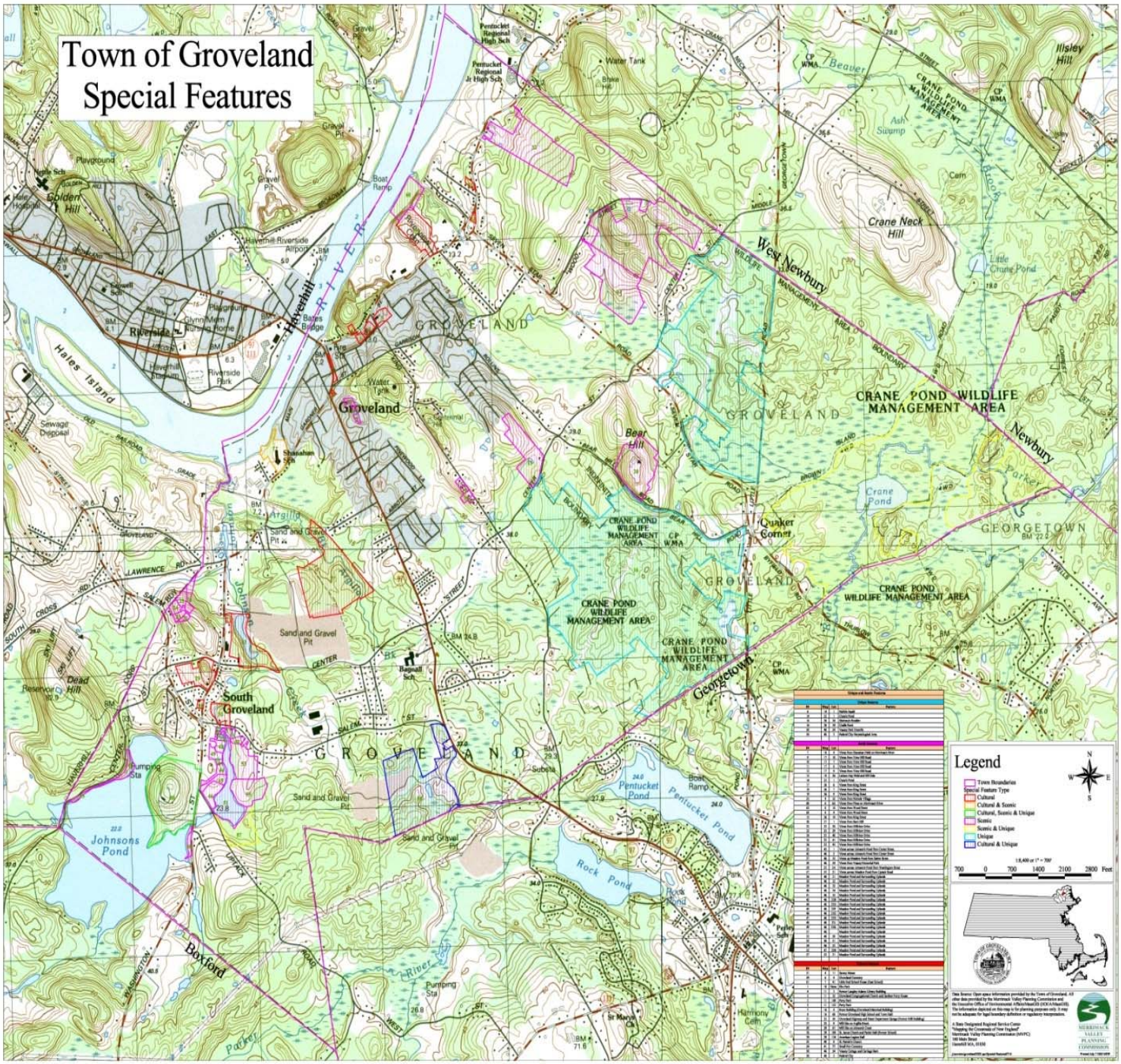


Trail Marker at Meadow Pond

Meadow Pond is a marsh of natural beauty and habitat with many species of wildlife. A network of trails allows for many views of this area. There are several open views of the Merrimack River along Main Street, which provide views of this large river as it flows toward its confluence with the Atlantic Ocean. This section of the river from Haverhill though Groveland and to Amesbury, Massachusetts is classified as navigable.

Though this is not a complete list of scenic landscapes in town, it notes the popular and well-known landscapes. A check of the state Heritage Landscape Atlas did not show any data for Groveland.

MAP 10: TOWN OF GROVELAND SCENIC RESOURCES AND UNIQUE ENVIRONMENTS





Veasey Park (MVPC Photo)

Major Characteristics or Unusual Geologic Features

Veasey Memorial Park has an established recreational value, in that its slopes are used for sledding in the winter, and its trail system is used for hiking and nature walks in the warmer weather. As previously noted, several of the hills in town, especially the Veasey Park Hill, are drumlins, an unusual glacial feature. Town Forest Hill is another high point in town worth exploring.

Stickney's Boulder, which lies next to Center Street between King Street and Rollins Road, is an interesting geologic feature. The boulder is quite large and was dropped by the retreating glacier during the last ice age. The boulder is located in the Crane's Pond Wildlife Management Area and easily seen from the street. It is also a kid-magnet as many a youngster makes the attempt to climb the glacier erratic. There are several rock outcroppings behind Stickney's Boulder that are unique glacial features. Also, the area contains many visually fascinating rock outcroppings and a sheer rock face.



Stickney's Boulder

There are several rocky outcroppings in the Crane's Pond Wildlife Management Area, one of particular note can be located by following a trail off of the eastside of J. B. Little Road. This outcropping is amongst a scattering of vernal pools and will take a little effort to reach the pinnacle of this rocky outcropping.

Cultural, Archeological and Historic Areas

The Groveland Historical Society has published a book that describes in detail the history of the Town. The southern part of Groveland was separated from the northern part of the Town for many years, due to the insular nature of the mill community and its supporting retail and cultural institutions. The mill history of the Town is certainly one of its most notable characteristics. Since the buildings on Nuns' Hill (Veasey Memorial Park) were originally constructed by the owner of several of the large mills in Groveland, there has been increased historic interest in the

property. The Veasey Memorial Park Management Committee is responsible for maintaining the buildings and grounds and has worked hard over the past several years to keep up with this task.



Veasey Memorial park

The archaeological work of Fred Luce, an amateur archaeologist, turned up evidence of Native American campsites, fire pits and artifacts throughout the Town in the 1940's. He located campsites west of King Street near the intersection of Center Street, as well as a campsite adjacent to a swampy area north of Center Street and between its intersection with Rollins Road and Seven Star Road. Many of the artifacts discovered by Luce now reside at the Buttonwoods Museum in Haverhill, MA. It is commonly accepted that the Pentucket Indian Tribe, a division of the Pennecook Tribe, lived in the Groveland area along the Merrimack River. The Agawam people were centered around Ipswich to the south, so it is possible that sections of the Town were inhabited by Agawam as well, especially near the Parker River. Additionally, newspaper articles and reports available at the Buttonwood Museum in Haverhill account for the discovery of Native American gravesites in the following locations:

- A report of a field meeting of The Essex Institute from June 27, 1860 reports of a visit to the property of William Balch at Balch's Grove. On a walk from the train station to Balch's Grove the group was shown a hill, "whose loose soil, now overgrown with rye, anciently served for an Indian Burial Ground."
- Included in the report by William K. Moorehead of an archaeological expedition along the Merrimack River, three camps and one burial ground are identified in South Groveland.
- A newspaper account from August 1, 1911 reported the unearthing of a skeleton during the excavation for a playground near the Boston and Maine Depot in Groveland. The ridge where it was discovered was said to be the location of a Native American Village according to older residents who were questioned about this discovery.
- A newspaper account from July 18, 1932 reports the discovery of a two-hundred-and-fifty-year-old, seven-foot tall man also in the vicinity of the Boston and Maine Depot, whose origins remain a mystery.

- Other local discoveries include a skeleton discovered while water pipes were being installed at the home of Ralph Esty. All the graves were in close proximity to one another and near the Merrimack River and the old Boston and Maine Depot.

An excerpt taken from the *Groveland Bicentennial Report of 1976* reported on the status of local Native Americans campsites reads as follows:

Any type of digging in Groveland Territory could reveal, still more, of that which Mr. Luce did not uncover… Many of the fire pits, camp sites, and a wealth of artifacts have been 'lost forever' as these fell to the bulldozers push of progress in housing developments, in Groveland. There are still some untouched areas, and hopefully, when located will be properly researched for adding to the Town's pre-history.

Unique Environments

Johnsons Pond and Meadow Pond and the surrounding undeveloped area have attracted the interested of many Town's people. This area offers many opportunities to get out and commune with nature and relieve one's nature-deficit. Back in 1997 a Johnsons Pond Study Committee was commissioned by the Board of Selectmen to study this pond and its potential use as a water supply and passive recreation area. This committee stimulated much interest in this area and ultimately lead to the Town purchasing a 48-acre parcel know as Nun's Hill that overlooks Johnsons Pond, though officially referred to as Veasey Memorial Park. Many residents feared that allowing Nun's Hill to be developed would have adversely affected the water in Johnsons Pond. For some, this was the primary reason for supporting the effort to set the present Veasey Memorial Park property aside as conservation land.

The 70-acre Meadow Pond Conservation Area that is situated immediately southeast of Veasey Memorial Park has been capturing the interest of many individuals, including local conservations, biologists and Massachusetts Division of Fisheries and Wildlife (DFW). This interest has been stimulated; as a result of this area being identified as habitat for some rare species, mostly, the Blanding's turtle as well as blue-spotted and four-toed salamanders (now delisted). This area lies in the corners of three communities – Groveland, Georgetown and Boxford. Georgetown has protected a significant acreage, covering close to 800 acres. Hopefully, the remainder of the unprotected land can be secured for herpes habitat.



Meadow Pond Conservation Area

Another unique environment in Groveland is certainly Town Forest Hill, which is one of the highest points in town. The summit can be accessed by a wooded trail with its trailhead on Wood Street. The Town Forest also connects with conservation land and trails in West Newbury that compliments the walk around the summit of Town Forest.

The DFW owns and manages over 2,100 acres known as the Crane's Pond Conservation Area, which is situated within the Towns of Newbury, West Newbury, Georgetown and Groveland. Approximately, two-thirds of this conservation land is in Groveland. The conservation area is laced with many woodland trails and cart roads. Though an active hunting site, there are endless opportunities for simply observing wildlife and getting some passive exercise whether it is walking in the warmer weather or snowshoeing in the winter. Its namesake, Crane Pond is located in the southeast section of this management area.

4.11 ENVIRONMENTAL CHALLENGES

Manufacturing is not a significant industry in Groveland, and the Town is still considered rural. However, there has been an influx of residential development which has caused concern among residents. In the community needs survey many residents stated they feared Groveland would lose its rural small-town charm as more and more houses are being built.

Another challenge is protecting the Town's water aquifer. Any development over or near the aquifer will directly affect this groundwater recharge area, which could eventually seriously impact the future well productivity and increase the chance for groundwater contamination.

Failing septic systems are another concern as they may contaminate groundwater and surface water. They can also release pathogens into the environment. When the leachate from a failing septic system contaminates a pond, this body of water will often experience eutrophication. The leachate acts like as a fertilizer creating a cycle of excessive plant growth and die-off as well as algae blooms that deprive the pond of oxygen, an essential element for a healthy pond. There are probably several septic systems at any given time that need to be replaced, but because of the expensive installation of a replacement system many people delay this project.

Meadow Pond and sections of Johnsons Pond are experiencing eutrophication, which is evident by the excessive growth of emergent vegetation. Though failing septic systems may play a role in this process, surface runoff from roads and lawns are also important contributors to pond eutrophication.

The Town also has a relatively undeveloped section of South Groveland that is habitat for several rare species of herps – salamanders and turtles – that also offers a conservation challenge. This largely undeveloped section of Groveland as well as the northwest section of Georgetown is habitat that has been determined by the NEHSP to support several rare species, including, Blanding's turtles and blue-spotted and four-toed salamanders. This habitat of rare herpes is commonly referred to as "Turtleland". Though a large portion of this critical habitat has been

protected, there is still a large area that is undeveloped and privately owned. A sizable amount of this land is wetlands, but still a significant portion has the potential to be developed and is under threat of being lost unless this area is protected. The fate of these rare species depends on what happens to the undeveloped land.

"Turtleland" lies within two watersheds, the Parker River and the Merrimack River. According to the EOEA *Water Assets Study Community Report*, dated June 2004, the segment of the Parker River that flows through this critical habitat is classified as a "stressed watershed" in part due to the excessive withdrawal of groundwater that causes sections in the upper watershed of the river to dry up during warm-weather months. There is also concern about the negative impact that low-flow will have on the rare species that depend on this river. Hopefully, additional research will help resolve this problem.

Hazardous Waste & Brownfields Sites

The Groveland aquifer in the vicinity of production Well #1 has been impacted by two Superfund sites – one of these sites is the closed Haverhill Municipal Landfill and the other is the manufacturing facility known as Valley Manufacturing, which poses the greater detrimental impact on production Well #1. As pointed out previously in this Plan, this manufacturing facility was responsible for releasing trichloroethylene (TCE) into the aquifer via its septic system and leaking underground storage tanks.

The Groveland Wells Superfund site includes the watershed and aquifer supplying the Town's production Well #1 and affects an area of 850 acres. When the contamination was initially released, productions Well #1 and Well #2 were contaminated. At that time, these production wells were the sole source of drinking water for the Town. Both wells were shut down in 1979 when the State detected TCE contamination above drinking water maximum contaminant limits (MCLs). The Town instituted emergency conservation measures and temporarily obtained water hookups from neighboring communities. Groveland developed Well #3 along the Merrimack River in the early 1980s.



Groveland Well #2 Site – MassDEP Treatment Facility

The Valley Manufacturing Company manufactured metal and plastic parts and screws since 1963. Subsurface disposal systems and leaking underground tanks were the source of the TCE contamination. This company also routinely dumped hazardous materials on the ground surface. From 1964 until 1972, as much as 20 gallons per month of these materials were released. Chemicals released included cutting oils, volatile organic compounds (VOC), and acid bath wastes. In 2000, the EPA built a groundwater pump and treatment systems for contaminated groundwater in the aquifer near the former Valley Manufacturing building. This groundwater recovery and treatment plant has been effectively treating and controlling offsite migration of the contaminants.



Valley Manufacturing Company

The other source that has threatened the Town's groundwater supply is the Haverhill Municipal Landfill. This landfill is a 71-acre former industrial and municipal landfill located off of Old Groveland Road, adjacent to the Merrimack River, southeast of downtown Haverhill, near the Groveland town line.

The Haverhill Landfill came into existence as of the result of the Great Merrimack River flood of 1936. The local businesses and residences were completely flooded and had no place to dispose of their damaged goods, food and other wastes from the flood damage. Later that year (1936), the City designated the current location of the landfill as the place to dispose of wastes. From 1982 until June of 1996, sludge generated from the City of Haverhill Wastewater Treatment Plant and paper beater waste from the Haverhill Paperboard Company, were also disposed of at the landfill. Waste disposal also included 55-gallon steel drums of unknown materials, tannery and shoe wastes, tires, and flammables such as lacquers, paints, oils, and glues. These materials were either dumped on the surface of the site or deposited into shallow pits, while sludge and liquids were disposed of near the eastside of the site and near the river. Groundwater monitoring wells are located throughout the entire area and along the Merrimack River. The long-term sampling results have indicated low levels of VOC, including, trichloroethylene, benzene and vinyl chloride. Private residences are located immediately adjacent to the site.

In 1996, the City covered the landfill with an interim cover until a final site wide closure plan and long-term monitoring requirements could be finalized. The Haverhill landfill is currently inactive and does not accept wastes. The final phase of the cleanup has been completed and a solar farm is being proposed on site.

Since its closure in 1979, the Town of Groveland has re-opened production Well #1, which now has dual-emergency backup GAC absorption units for removal of VOCs. These contaminants are regularly monitored in nearby observation wells, to detect their presence and to activate one of

the GAC absorption units and prevent these contaminants from entering the drinking water supply. Since the contamination episode, two additional production wells have been installed behind the Town Hall Complex and next to the Merrimack River, thus giving the Town a total of three operating wells.

The following is a list of all Groveland sites that are listed in the MassDEP Waste Site/Reportable Release Look Up Tool. Sites are listed by an RTN Tracking Number as well as the release location/address. A compliance status is also listed. There are numerous codes but below are a few that are shown on the Groveland table:

DPS (Downgradient Property Status): A site where a DPS Submittal to DEP has stated that contamination on the property is coming from an up-gradient property. Because the source of contamination is not within the control of the downgradient property owner/operator, certain requirements and deadlines are suspended as long as DPS remains in effect. The Down Gradient Property Status provisions may be found in the Massachusetts Contingency Plan at 310 CMR 40.0180

PENNFA (Pending No Further Action): (pre-1993) A document was submitted to MassDEP asserting that a site assessment had determined that no further action was required. These submittals are considered pending until MassDEP audits them.

PSNC (Permanent Solution with No Conditions): (post-2014) A site/release where a Permanent Solution Statement was submitted indicating that response actions were sufficient to achieve a level of No Significant Risk for all current and foreseeable future uses of the site without the need to restrict the use of the property.

RAO (Response Action Outcome): (pre-2014) A site/release where a Permanent or Temporary Solution Statement (formerly RAO Statement) was submitted. This statement asserts that response actions were sufficient to achieve a level of no significant risk (for Permanent Solutions) or at least ensure that all substantial hazards (for Temporary Solutions) were eliminated.

RTN Closed: Future response actions addressing the release associated with this Release Tracking Number (RTN) will be conducted as part of the response actions planned for the site under another "primary" RTN. This occurs at sites where multiple releases (RTNs) have been combined under one primary RTN to simplify and streamline timelines and deadlines.

RTN	ADDRESS	SITE NAME	RPT CAT	NOTICE DATE	COMPLIANCE STATUS	DATE	PHASE	RAO	CHEM TYPE
3-0034061	BYFIELD ROAD	NO LOCATION AID	TWO HR	01/23/2017	PSNC	05/22/2017		PN	Oil
3-0032036	310 MAIN STREET	MERRIMACK RIVER	TWO HR	03/10/2014	PSNC	05/02/2014		PN	Oil
3-0031387	310 MAIN STREET	MERRIMACK RIVER	TWO HR	02/13/2013	RAO	03/05/2013		A1	Oil
3-0031383	310 MAIN STREET	MERRIMACK RIVER	TWO HR	02/12/2013	RAO	03/05/2013		A1	Oil
3-0030700	MERRIMACK RIVER ROAD	SIDE OF ROAD	TWO HR	03/09/2012	PSNC	09/15/2016		PN	Hazardous Material
3-0029134	7 OMEGA RD	RESIDENTIAL PROPERTY	TWO HR	03/17/2010	RAO	07/09/2010		A2	Oil
3-0029062	21 UPTACK RD	DROUGAS RESIDENTIAL PROPERTY	120 DY	02/10/2010	RAO	06/15/2011	PHASE II	A2	Oil
3-0028701	299 MAIN ST	GETTY GASOLINE STATION	72 HR	09/03/2009	RTN CLOSED	07/28/2010			Oil
3-0027592	299 MAIN ST	GETTY SERVICE STATION NO 30518	120 DY	03/25/2008	PSNC	06/08/2017	PHASE V	PN	Oil and Hazardous Material
3-0026625	209 KING ST	KING ST SUBSTA FMR55-3TOILFILLEDCRC TBRKR	120 DY	02/26/2007	RAO	10/17/2007		A2	Oil
3-0025349	331 CENTER ST	POLE TRANSFORMER	TWO HR	10/25/2005	RAO	12/08/2005		A1	Oil

3-0024216	321 CENTER ST	POLE NUMBER 174	TWO HR	09/03/2004	RAO	10/29/2004		A1	Oil
3-0022250	40 ELM PARK	NO LOCATION AID	120 DY	10/25/2002	RAO	10/25/2002		A2	Oil
3-0020954	990 SALEM ST	GROVELAND GAS	TWO HR	08/01/2001	RAO	11/30/2007	PHASE II	A2	Oil
3-0020392	OFF SEWELL ST	FORMER QUARRY	TWO HR	02/13/2001	RAO	04/10/2001		A1	Oil
3-0020364	156 MAIN ST	NO LOCATION AID	TWO HR	02/02/2001	RAO	04/27/2001		A2	Oil
3-0019860	181 MAIN ST	BEHIND POLICE STATION	72 HR	08/23/2000	RAO	02/07/2002		B1	Oil
3-0019400	OFF GEORGIA ST	BROOK	TWO HR	03/25/2000	RAO	08/24/2000		A1	Oil
3-0019336	25 UPTACK RD	NO LOCATION AID	TWO HR	03/04/2000	RAO	03/13/2001		A2	Oil
3-0019211	860 SALEM ST	NO LOCATION AID	120 DY	01/24/2000	DPS	01/24/2001			Hazardous Material
3-0018863	KING ST	NO LOCATION AID	TWO HR	10/19/1999	RAO	12/14/1999		A2	
3-0018063	156 CENTER ST	PARKING AREA	TWO HR	03/08/1999	RAO	04/26/1999		A1	Oil
3-0015192	860 SALEM ST	AW CHESTERTON CO AT BRINDLE BROOK	120 DY	06/03/1997	RAO	10/07/2002	PHASE IV	C1	Hazardous Material

3-0014631	NEAR 833 SALEM ST	NO LOCATION AID	TWO HR	12/16/1996	RAO	02/18/1997		A2	
3-0012213	148 MAIN ST	NO LOCATION AID	72 HR	03/02/1995	RAO	04/04/1995		A1	Oil
3-0012143	192 SEVEN STAR RD	NO LOCATION AID	TWO HR	02/06/1995	RAO	06/12/1995		A1	Oil
3-0011929	183 MAIN ST	TOWN HALL	TWO HR	12/06/1994	RAO	03/29/1995		A2	Oil
3-0011308	459 MAIN ST	STANLEYS CURVE	TWO HR	07/15/1994	RAO	10/24/1994		A1	Oil
3-0011147	SALEM ST	BY DANA DR	TWO HR	06/15/1994	RAO	08/17/1994		A2	Oil
3-0003758	441 MAIN ST	ESTY LUMBER	NONE	10/15/1991	RAO	03/08/2000	PHASE II	B1	
3-0002831	737 SALEM ST	SOUTH GROVELAND GARAGE	NONE	11/08/1989	PENNFA	07/15/1996			
3-0001670	156 MAIN ST	PROPERTY	NONE	10/30/1986	RAO	04/30/1997			
3-0000587	SALEM ST AT SCHOOL ST	TEXACO STATION	NONE	03/05/1986	PSNC	05/02/2017	PHASE IV	PN	
3-0000322	641 WASHINGTON ST	VALLEY MANUFACTURERS	NONE	01/15/1987	ADEQUATE REG	07/27/1995			Oil
3-0000321	JOHNSON CRK WATERSHED	GROVELAND WELLS SITE	NONE	01/15/1987	ADEQUATE REG	10/22/2004			Oil

Landfills

Groveland has no landfills of its own. However, a portion of the closed Haverhill Municipal Landfill extends into Groveland land and, as discussed in the previous section, is a federal Superfund site.

Sedimentation & Erosion

The hilly topography of the Town in combination with the rough New England weather creates the ever-present possibility of land loss and destruction by erosion. Drumlins, as noted earlier, are characterized by one steep slope. These steep slopes are particularly vulnerable to damage via erosion

There is concern that residential development in the Johnsons Pond and Meadow Pond areas has contributed to the ongoing eutrophication of these ponds. Additionally, there is a potential hazard to wildlife and water quality due to the accumulation of chemicals in the sediment of these ponds, which is partially due to the past misapplication of weed control chemicals. Though this action was effective in suppressing pond vegetation initially, once discontinued, pond vegetation has returned and continues to cover large areas of Johnsons Pond and has completely covered the surface of Meadow Pond. As a result, these ponds are getting shallower and more difficult to navigate for boating.

Eroded soil and storm water runoff entering water resources are non-point source of pollution that are responsible for the degradation of water quality and hydrology in lakes, ponds, rivers, streams, wetlands and groundwater. The US EPA estimates that storm water runoff is the leading cause of impairment to nearly (40%) of impaired waterbodies in the United States (Source: 1998 EPA 303(d) list of impairments by category).

The Impacts of construction activities and post development stormwater runoff quantity and quality can adversely affect public health, land, surface and groundwater resources, drinking water supplies, recreation, and aquatic life and habitat. Knowing this, the Groveland enacted the formerly referenced Stormwater Management and Land Disturbance Bylaw to reduce the degradation of the environment due to construction activities and land development. In addition, permits issued by the Planning Board and Conservation Commission for land development require the use of erosion control to prevent sedimentation on to public roadways, wetlands and adjacent properties. In addition, the Highway Department, as part of its NPDES MS4 Permit, has a street sweeping optimization plan to remove sediments from roadways and municipal parking lots annually.

Other sources of erosion include bank erosion along rivers and streams. The Town is not aware of any extensive erosion of this kind currently.

Chronic Flooding

A GIS analysis of the Town's FIRM flood hazard areas by MVPC as part of a 2014 update of Groveland's Hazard Mitigation Plan, determined that a total of 1,044 acres (1.6 sq. mi.) of land area in Groveland is located within the 100-Year floodplain and thus is vulnerable to flooding. An additional 198 acres (0.31 sq. mi.) lies with the 500-year floodplain. Together, these two flood zones constitute over twenty percent (20%) of the total area of the

community. Based on an additional analysis by MVPC, 135 acres in these zones have been determined to be open and "potentially developable" under the Town's current zoning scheme. Development of this open space would increase the impervious surface cover and stormwater runoff volumes in the flood zones, thereby exacerbating the existing flooding problems.

As part of the mapping analysis, MVPC also investigated the presence of any "critical" facilities at potential risk of future flood damage or loss. No such facilities were identified in the mapped FIRM flood zones, nor, according to town officials, are there plans to site any future critical facilities in these zones.

MVPC also examined non-critical facilities in flood hazard areas. This analysis revealed the presence of 92 residential, commercial, and industrial structures on 69 parcels (collectively valued in 2014 at $88,051,600) in the 100-year floodplain. Based on the frequency, areal extent, and severity of historical floods in dispersed locations in Groveland, Town emergency management officials consider the community to be at high risk from flooding.

According to data compiled by the Massachusetts Department of Conservation and Recreation, there currently are no repetitive flood loss sites in the Town of Groveland. Town-wide, there are 23 flood insurance policies for properties located in FIRM flood hazard areas. The combined insurance value for these properties is $5,622,400.[3]

Development Impact

During the last few decades the Town of Groveland has experienced intensified development activities which, if continued without close planning, could jeopardize the Town's natural resources. Development continues to be built on marginal sites bordering streams and wetlands, development has consumed a significant amount of open space and farmland, and while sand and gravel operations have heavily stripped several areas in town threatening wetlands and groundwater. The former sand and gravel operations near Well #1, has removed extensive earth from this area, leaving the groundwater more vulnerable to surface contamination.

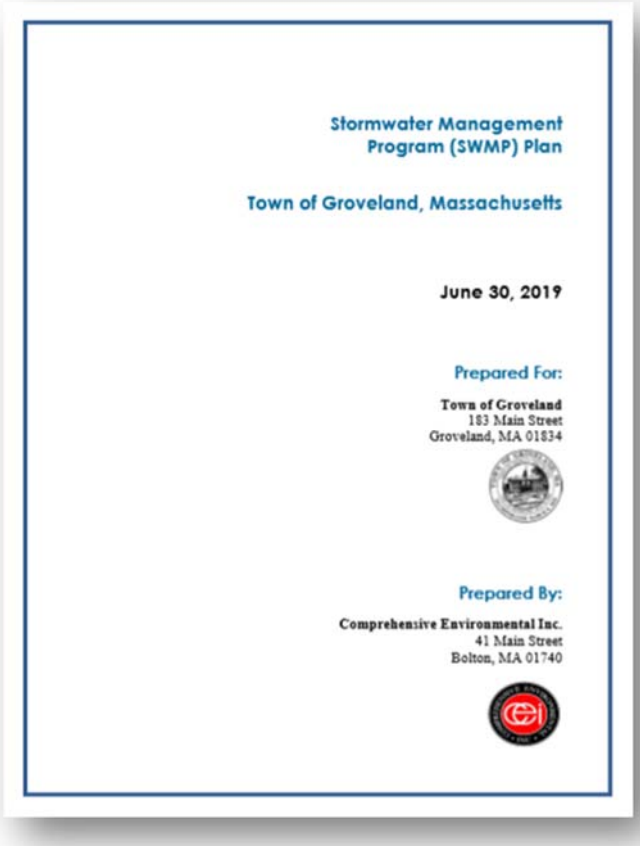


Culvert near Johnsons Pond

In 2001, the Merrimack Valley Planning Commission (MVPC) prepared an analysis using the methodology developed by the EOEA in order to determine what the Town will look like

[3] Source: NFIP Policy Statistics for Massachusetts – June 30, 2014

when it is fully built-out. The MVPC analysis estimates a potential for 1,057 additional single-family units and 117 two family units in Groveland. In predicting the impacts from full build-out, MVPC uses a statewide household size estimate of 2.9 persons per household, resulting in 3,451 new residents and 669 additional school children. Groveland's population at full build-out is expected to reach almost 9,500.


Stormwater Management Program (SWMP) Plan

Town of Groveland, Massachusetts

June 30, 2019

Prepared For:

Town of Groveland
183 Main Street
Groveland, MA 01834

Prepared By:

Comprehensive Environmental Inc.
41 Main Street
Bolton, MA 01740

The MVPC build-out analysis also finds the potential for an additional 6,124,983 square feet of commercial and industrial space. This could provide jobs for approximately 8,444 new employees, who would need to have residence in and around the Town of Groveland.

Ground and Surface Water Pollution including Stormwater

Groundwater in the area of Valley Manufacturing Company has been contaminated principally by trichloroethylene and has been the site of a federal Superfund cleanup. Development has negatively affected the quality of most of the local ponds and waterways. Eutrophication of the ponds is a present and future concern. Old septic systems leaching into the groundwater will continue to be a concern for some time in the future.

Stormwater runoff is one of the largest contributors to water quality problems in the region. It occurs when rainfall, snowmelt or irrigation water washes over the land, carrying with it harmful pollutants including oil, grease and heavy metals from motor vehicles; pesticides, herbicides and fertilizers from lawns and gardens; silt and sediment from construction sites; and bacteria and excess nutrients from pet waste. In 2016 EPA issued the Massachusetts Small MS4 General Permit which became effective July 1, 2018. The Permit requires communities to meet six minimum control measures: Public Education, Public Participation, Illicit Discharge Detection and Elimination, Management of Construction Site Runoff, Management of Post Construction Site Runoff (New Development and Redevelopment), and Good Housekeeping in Municipal Operations.

In April of 2007, Groveland passed its Stormwater Management Bylaw which regulates construction activities that will disturb more than 20,000 square feet of land. In 2019, in response to the new permit, Groveland produced a Stormwater Management Program Plan to guide the community in meeting the six minimum control measures. In addition, working

through its Stormwater Committee, Groveland is conducting public outreach to inform residents, business, developers and industry of stormwater best management practices to reduce stormwater pollution and improve water quality in Groveland's waterways.



Mechanical hydro-raking at Johnsons Pond

Impaired Waterbodies

As mentioned previously in this plan both Johnsons Pond and Meadow Pond are experiencing serious eutrophication due to surface runoff and likely nearby failing septic systems. The surface of Meadow Pond is typically covered with emergent vegetation, while several sections of Johnsons Pond has a significant amount of emergent vegetation.

Other smaller ponds, including, New Mill Pond and Old Mill Pond have suffered from nearby development. In addition, New Mill Pond is immediately down gradient from the Valley Manufacturing Superfund site. The following is a list of impaired waterbodies, per the Mass DEP Section 303(d) list, that do not meet water quality standards as required by the federal Clean Waters Act. These water bodies are also part of the Groveland Stormwater Management Program with the goal of reducing impairments and improving water quality.

TABLE 22. Impaired Waters

Waterbody Name	Segment ID	Category	Impairments	Approved TMDL
Johnson Creek	MA84A-15	5	Escherichia coli	None
Johnsons Pond	MA84027	5	Mercury in Fish Tissue, Oxygen Dissolved	None
Merrimack River	MA84A-05	5	Enterococcus, PCB in Fish Tissue	None

Exotic and Invasive Plants

Exotic and invasive plants outcompete native plants for room on the landscape and often do not provide the same food sources for local wildlife thus reducing diversity of both plants and animals in the region. Exotic and invasive plants are often difficult to remove; some are even able to propagate from cut pieces left behind following removal attempts. Others grow twice as fast after being cut or reproduce through rhizomes deep underground which can run for miles. Removal of invasive and non-native plants requires persistence and can often come at an expense.

Common exotic, invasive plants that have become established in Groveland include Oriental bittersweet, purple loosestrife, common reed, European buckthorn, Japanese knotweed, Japanese barberry, multiflora rose, Norway maple, honeysuckles, burning bush, autumn olive, Eurasian water milfoil, variable water milfoil and Fanwort. Meadow Pond and Johnsons Pond are two locations where invasive plants are abundant and Johnsons Pond is listed as being impaired for dissolved oxygen when often occurs when vegetation is left unchecked.

In 2018 utilizing Community Preservation funds the Conservation Commission removed weeds and water lilies that were crowding the boat launch at Johnsons Pond. Additionally, in March of 2019 the Conservation Commission, along with consultants GM2 Associates| Cammett Engineering, completed a Watershed Management Plan that discusses continued maintenance measures.

Climate Change

Nine of the ten warmest years on record have all occurred since 2005, according to the U.S. National Oceanographic and Atmospheric Administration. Average global temperatures have risen steadily in the last 50 years. Scientists warn that the trend will continue unless greenhouse gas emissions are significantly reduced. [4] What does this mean for Groveland? Here are some of the statistics:

Changing Temperatures

- From 1971 to 2000, the Merrimack River Watershed basin and the Merrimack Valley annually had an average of 7 days with temperatures above 90 degrees Fahrenheit.
- By the end of the century, Groveland and the region are projected to have fourteen (14) to as many as seventy-two (72) more days per year with temperatures rising above 90 degrees.
- The area can expect shorter, milder winters with seven (7) to twenty-nine (29) fewer winter season days yearly with temperatures below freezing on average.
- Mean annual temperatures in Massachusetts are expected to be 3.8-10.8°F warmer than over recent decades.
- Total heating degree days will be 15-37% lower, but cooling degree days are projected to triple by century's end.
- The agricultural season will be longer, with growing degree days expected to increase by 30 to 100%.[5]
- Changing temperatures can result in a change in the plant and animal species that inhabit the area. Many will migrate farther north and to higher elevations to

[4] *https://www.noaa.gov/news/2018-was-4th-hottest-year-on-record-for-globe*
[5] *http://www.resilientma.org/resources/resource::2152* National Climate Science Center at the University of Massachusetts Amherst, Massachusetts Climate Change Projections, March 2018.

escape the warmer temperatures. Those that are not able to migrate or adapt may become extinct. In addition, the lifecycle of many pests is likely to be altered with warmer winters allowing for increased survival of insects and their larvae such as those of winter moth, emerald ash borer, gypsy moth, ticks and mosquitos.

Changing Precipitation

Total annual precipitation at century's end is projected to increase by as much as 18% above the 1971-2000 baseline of 45", with highest precipitation events concentrated in the winter and spring months.

Winter precipitation is expected to increase by as much as 36%. Winters are projected to get wetter with more precipitation occurring as rain or freezing rain, rather than snow because of the increase in temperatures. For summer and fall seasons, data projections are showing variable precipitation levels with potential for a moderate change in the number of consecutive dry days (less than 1 mm precipitation).

The 1971 to 2000 baseline is 17 on average annual consecutive dry days and that is projected to increase by 3 days at the end of this century.[6]

More Frequent, Intense Storms



GROVELAND

Groveland awarded $25,000 grant to develop climate change plan

By John Laidler Globe Correspondent, April 30, 2019, 7:57 p.m.

Groveland is getting some help from the state in readying for the future impacts of climate change.

The town was recently awarded a $25,000 grant to help with the costs of developing a climate change resiliency plan. The funding came through the state's Municipal Vulnerability Preparedness Program, which provides cities and towns with technical support, data, and planning tools to identify hazards associated with the changing climate and to be better prepared to mitigate those risks.

Groveland was among 27 communities statewide awarded grants in the program's latest funding round.

In its planning effort, Groveland will seek input from representatives from all town departments, as well as the community, as it explores ways to defray the impacts of the projected rise in sea levels and associated flooding. The effort will include public meeting listening sessions and workshops, as well as research into potential updates to its bylaws to address climate change, according to Town Planner Rebecca Oldham.

According to the Fourth National Climate Assessment issued in 2018, heavy precipitation events in most parts of the United States have increased in both intensity and frequency since 1901. There are important regional differences in trends, with the largest increases occurring in our northeastern United States.

The frequency and intensity of heavy precipitation events in Groveland and the Merrimack Valley are projected to continue to increase throughout the 21st century. The northern United States, including New England, is projected to receive more intense precipitation events in the winter and spring, while parts of the southwestern United States are projected to receive less precipitation in those seasons.

Consequences of more extreme storm events include threats to transportation, water, sewer, stormwater and power infrastructure, as well as disruptions to local economies and increased public health and safety risks with more demands on local government and first responder capacity. The Greater Lawrence area is one of 772 urban areas across the country

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[6] Ibid.

with a combined sewer/drainage system at its urban core. Other cities with combined sewer overflow (CSO) systems on the Merrimack River include Manchester and Nashua, NH and Lowell and Haverhill, MA. Under normal conditions, the combined sewer system collects rainwater runoff, industrial wastewater and domestic sewage all in one pipe and transports flows to the regional treatment plant. Heavy rainfall events, however, can overtax system capacity and cause combined sewer overflows (CSOs) with discharges of untreated sewage and street runoff into the Merrimack River. With more intense precipitation events generated by climate change, the concern is that the number of CSOs will increase despite long-term control plans and investments by wastewater treatment operators including the Greater Lawrence Sanitary District (GLSD). Groveland recently a grant from the state to undertake Municipal Vulnerability Preparedness Planning to assist the Town in planning for these coming changes.

Environmental Equity

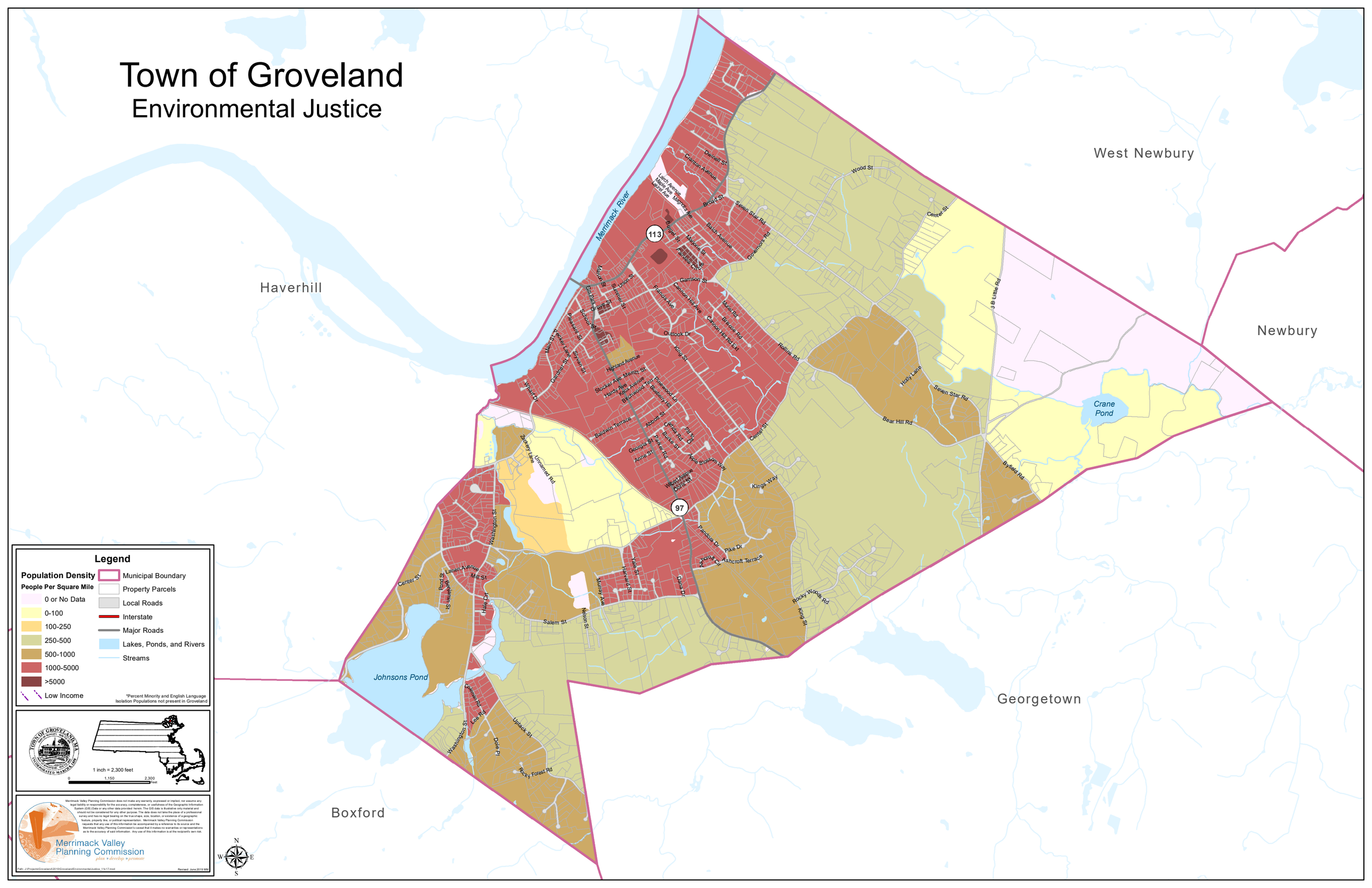
As defined by the Executive Office of Environmental Affairs, Environmental Justice is the equal protection and meaningful involvement of all people with respect to the development, implementation, and enforcement of environmental laws, regulations, and policies and the equitable distribution of environmental benefits. There is no state recognized Environmental Justice areas in Groveland. This section will analyze the location and availability of conservation, recreation and open space resources in Groveland, with consideration given to availability to our vulnerable populations.

Groveland is fortunate in that its open space and recreation resources extend throughout the community. As evidenced by looking at Map 11, Open Space and Recreation Inventory, open space areas with public access are evenly distributed across Groveland. Veasey Memorial Park with access to Johnson's Pond, is in the southwest portion of Groveland; Parker River and Crane Pond Wildlife Areas are located in the south and southeastern portions; per its name, the Center Street Greenway is in the central portion of town; Forest Street Greenway is to the northeast; lastly the Town Complex including the Pines Recreation Area with public access to the Merrimack River is also centrally located. Many more fields, parks, and open space properties with trails are scattered throughout Town providing access to all residents.

However, accessibility to and within these resources could be improved, especially for elderly and handicapped residents. For example, in 1982 the River Pines, a housing complex for the elderly and handicapped, was built with federal funds on land adjacent to the Pines Recreation Area. However, the Town needs to make significant upgrades in order to accommodate those trying to access the park by way of sidewalk upgrades, wheelchair accessibility, etc.

Additionally, as the Town explores future affordable housing options, consideration should be given to the location and proximity to open space resources.

Town of Groveland
Environmental Justice



Legend

Population Density
People Per Square Mile

- 0 or No Data
- 0-100
- 100-250
- 250-500
- 500-1000
- 1000-5000
- >5000
- Low Income

- Municipal Boundary
- Property Parcels
- Local Roads
- Interstate
- Major Roads
- Lakes, Ponds, and Rivers
- Streams

*Percent Minority and English Language Isolation Populations not present in Groveland

1 inch = 2,300 feet

0 1,150 2,300 Feet

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Revised: June 2019 MM

N W E S

SECTION 5
OPEN SPACE AND RECREATION INVENTORY

This section details information about open space and recreational lands in the Town of Groveland. The inventory provided here includes conservation and recreation land owned by the Town of Groveland, large tracts of private land, land that falls under Chapter 61 and Article 97, large state-owned properties, and National Park Service land.

Open space land is an important element of the Town's character and is one of the primary reasons many people choose to locate here and raise a family. These parcels of land, which include parks, forests, and wetlands enhance the quality of life by providing recreational and educational opportunities. Open space protection provides an economic advantage and increases the value of the surrounding market. Additionally, open space is typically less costly to maintain. It has also been shown that open space protection near public drinking supply areas decreases the costs associated with treating and cleaning drinking water. Lastly, open spaces provide habitat for a variety of fish, wildlife and plant species, which increases the ecological diversity in town and provides opportunities for nature study and education.

5.1 PROTECTED PUBLIC OPEN SPACE LAND

Public land is considered protected if the property is owned or controlled by the:

- Conservation Commission
- Water Department
- Massachusetts municipality with deed restriction
- Massachusetts conservation agency
- Town of Groveland and received state or federal funds for the purchase or improvement of the property
- Recreation land under Article 97

Town of Groveland
Open Space

Haverhill
West Newbury
Newbury
Georgetown
Boxford
Merrimack River
Johnsons Pond
Crane Pond
Riverview Cemetery
Town Complex
Well #1
Center St Greenway
St. Patrick's Roman Catholic Church
Bagnall School
Veasey Memorial Park
Meadow Pond Reservation
Town Forest Greenway
Division of Fisheries and Wildlife
Division of Fisheries and Wildlife
Division of Fisheries and Wildlife
113
97
Dwinell St
Wood St
Laurel Ave
Linden Ave
Broad St
Seven Star Rd
Berger St
Batch Avenue
Governors Rd
Center St
Maryorie St
Fairview Cir
Garrison St
Main St
Union St
Summer St
Francis Ave
Cannon Hill Ave
Cannon Hill Rd Ext
Briscoe Rd
Muriel Rd
Rollins Rd
Holly Lane
Seven Star Rd
Bear Hill Rd
Byfield Rd
Parker Lane
Pleasant St
School St
Outlook Dr
King St
Highland Avenue
Stocker Ave
Merritt St
Hardy Ave
Knox Avenue
Pinewood Ln
Blueberry Hill
Baldwin Terrace
Abbott St
Georgia St
Anns St
Parker Rd
Burke St
Center St
Apple Blossom Way
Wilbert Avenue
Doris St
Kings Way
Pandora Dr
Pike Dr
Ashcroft Terrace
Rocky Woods Rd
King St
Dana Dr
Harvard St
Yale St
Murray Ave
Nelson St
Salem St
Hale Ct
Mill St
Lanen Avenue
Pond St
Center St
Washington St
Zachary Lane
Unionville Rd
Colman Rd
Lee Rd
Unpack St
Dole Pl
Rocky Forest Rd
Wharf Dr
Gardner St
Skyview St
Main St
Maple Grove St
Maple St

Legend

Open Space
- State
- Municipal
- Private
- Nonprofit
- Unknown

Chapter Land
- 61A
- 61B

Restrictions
- CR
- Municipal Boundary
- Property Parcels
- Local Roads
- Interstate
- Major Roads
- Lakes, Ponds, and Rivers
- Streams

1 inch = 2,300 feet
0 1,125 2,250 Feet

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N W E S

PROTECTED PUBLIC OPEN SPACE LAND

PARCEL ID	NAME	OWNER	ACRES	MANAGER	USE	FUNDS USED	CONDITION	RECREATION POTENTIAL	PUBLIC ACCESS	ZONING	DEGREE OF PROTECTION
Map 52 Lot 31 Map 53 Lot 4 Map 53 Lot 4A Map 53 Lot 2A Map 47 Lot 53A	Meadow Pond Reservation	Town of Groveland	82.1	Conservation Commission	Wetlands, Watershed, Banks to Open Water, Wildlife Habitat, Passive Recreation, Scenic Vistas, Flood Control, Larger Natural Habitat	Town, CPA Funds, State Self-Help, DFW and Essex County Greenbelt Conservation Restrictions, Grants and Gifts	Very Good	High	Parking Area, Trails	R-1	Perpetuity, Conservation Restriction
Map 46 Lot 34	Veasey Memorial Park	Town of Groveland	46.5	Conservation Commission	Wetlands, Watershed, Banks to Open Water, Steep Slopes, Wildlife Habitat, Passive Recreation, Scenic Vistas, Rare Topography, Flood Control	Town, State Self-Help, DCR Conservation Restriction, Gift	Very Good	High	Parking Lot, Trails, State Boat Launching Area	R-1	Perpetuity, Conservation Restriction
Map 6 Lot 16	Cemetery Brook Conservation Area	Town of Groveland	0.27	Conservation Commission	Wetlands, Banks to Open Water, Wildlife Habitat, Passive Recreation, Larger Natural Habitat	None	Good	Medium	On-street Parking, No Trail	R-2	Perpetuity
Map 6 Lot 31			0.78	Conservation Commission	Wetlands, Banks to Open Water, Wildlife Habitat, Passive Recreation, Larger Natural Habitat	None					
Map 6 Lot 32			1.76	Conservation Commission	Wetlands, Banks to Open Water, Wildlife Habitat, Passive Recreation, Larger Natural Habitat	None					

PROTECTED PUBLIC OPEN SPACE LAND

PARCEL ID	NAME	OWNER	ACRES	MANAGER	USE	FUNDS USED	CONDITION	RECREATION POTENTIAL	PUBLIC ACCESS	ZONING	DEGREE OF PROTECTION
Map 7 Lot 5			0.6	Conservation Commission	Wetlands, Banks to Open Water, Wildlife Habitat, Passive Recreation, Larger Natural Habitat	Gifts					
Map 7 Lot 1			0.43	Conservation Commission		Gifts					
Map 5 Lot 1	Town Forest Greenway	Town of Groveland	33.0	Conservation Commission	Wetlands, Banks to Open Water, Wildlife Habitat, Larger Natural Habitat	Gift	Good	Low	None	R-2	Perpetuity
Map 5 Lot 2F		Town of Groveland	10.94	Conservation Commission	Steep Slopes, Wildlife Habit, Passive Recreation, Larger Natural Habitat	Gift	Good	High	On-street Parking, Trails	R-2	Perpetuity
Map 33 Lot 9	Center Street Greenway	Town of Groveland	47.8	Conservation Commission	Wetlands, Wildlife Habitat, Passive Recreation	CPA, Turtle Mitigation funds and a Federal LWCF grant	Good	High	On-street Parking, Trails	R-2	Perpetuity
Map 33 Lot 6		Town of Groveland	43.5	Conservation Commission		CPA					
Map 33 Lot 10		Town of Groveland	9.65	Conservation Commission							
Map 13 Lot 3A	Seven Star Road Conservation Area	Town of Groveland	0.73	Conservation Commission	Wetlands, Wildlife Habitat, Passive Recreation	None	Good	Low	On-street Parking	R-2	Perpetuity
Map 13 Lot 14		Town of Groveland	11.6	Conservation Commission							

PROTECTED PUBLIC OPEN SPACE LAND

PARCEL ID	NAME	OWNER	ACRES	MANAGER	USE	FUNDS USED	CONDITION	RECREATION POTENTIAL	PUBLIC ACCESS	ZONING	DEGREE OF PROTECTION
Map 32 Lot 23	Johnson's Creek Conservation Area	Town of Groveland	0.39	Conservation Commission	Wetlands, Banks to Open Water, Wildlife Habitat, Flood Control	None	Good	Medium	On-street Parking	B	Perpetuity
Map 35 Lot 21J	Kings Way Conservation Area	Town of Groveland	1.92	Conservation Commission	Wetlands, Wildlife Habitat, Passive Recreation, Flood Control	None	Good	Low	None	R-1	Perpetuity
Map 35 Lot 21K			4.81	Conservation Commission	Wetlands, Wildlife Habitat, Passive Recreation, Flood Control	None					
Map 45 Lot 1	Johnson's Pond Conservation Area	Town of Groveland	0.6	Conservation Commission	Watershed, Banks to Open Water, Wildlife Habitat, Passive Recreation, Scenic Vistas, Larger Natural Habitat	None	Fair	High	Parking Area	R-1	Perpetuity
Map 45 Lot 3			0.9	Conservation Commission	Wildlife Habitat, Passive Recreation, Scenic Vistas, Larger Natural Habitat	None					
Map 51 Lot 1			0.25	Conservation Commission	Wetlands, Watershed, Banks to Open Water, Wildlife Habitat, Passive Recreation, Flood Control, Larger Natural Habitat	None					
Map 46 Lot 42B			1.3	Conservation Commission	Wetlands, Watershed, Banks to Open Water, Wildlife Habitat, Passive	CPA					

PROTECTED PUBLIC OPEN SPACE LAND

PARCEL ID	NAME	OWNER	ACRES	MANAGER	USE	FUNDS USED	CONDITION	RECREATION POTENTIAL	PUBLIC ACCESS	ZONING	DEGREE OF PROTECTION
					Recreation, Flood Control, Larger Natural Habitat						
Map 51 Lot 2			0.6	Conservation Commission	Wetlands, Watershed, Banks to Open Water, Wildlife Habitat, Passive Recreation, Flood Control, Larger Natural Habitat	None					
Map 46 Lot 13	Pond St. Conservation Area	Town of Groveland	0.24	Conservation Commission	Watershed, Banks to Open Water, Steep Slopes, Wildlife Habitat, Passive Recreation, Scenic Vistas, Larger Natural Habitat	None	Fair	High	Parking Area, No Trail	R-1	Perpetuity
Map 46 Lot 12		Town of Groveland	0.15	Conservation Commission	Watershed, Wildlife Habitat, Passive Recreation, Larger Natural Habitat	None					
Map 46 Lot 4		Town of Groveland	0.17	Conservation Commission	Wetlands, Watershed, Banks to Open Water, Steep Slopes, Wildlife Habitat, Passive Recreation, Scenic Vistas, Larger Natural Habitat	None					
Map 49 Lot 27A	Salem St. Conservation Areas	Town of Groveland	6.8	Conservation Commission	Wetlands, Wildlife Habitat, Passive Recreation	None	Good	Low	None	I	Perpetuity

PROTECTED PUBLIC OPEN SPACE LAND

PARCEL ID	NAME	OWNER	ACRES	MANAGER	USE	FUNDS USED	CONDITION	RECREATION POTENTIAL	PUBLIC ACCESS	ZONING	DEGREE OF PROTECTION
Map 49 Lot 5H		Town of Groveland	1.67	Conservation Commission	Wetlands, Wildlife Habitat	None					
Map 50 Lot 11	Rocky Woods Conservation Area	Town of Groveland	4.76	Conservation Commission	Wetlands, Steep Slopes, Wildlife Habitat, Passive Recreation	None	Good	Medium	None	R-1	Perpetuity
Map 52 Lot 8	Spofford Pond Conservation Area	Town of Groveland	1.5	Conservation Commission	Wetlands, Watershed, Wildlife Habitat, Flood Control	None	Good	Low	None	R-1	Perpetuity
Map 28 Lot 8	Quaker's Corner Green	Town of Groveland	0.35	Conservation Commission	Passive Recreation	None	Poor	High	On-street Parking	R-1	Perpetuity
Map 40 Lot 14	Mill Pond Conservation Area	Town of Groveland	3.84	Conservation Commission	Watershed, Banks to Open Water, Wildlife Habitat, Passive Recreation, Scenic Vistas, Larger Natural Habitat	None	Good	Medium	On-street Parking	R-1	Perpetuity
Map 24 Lot 41 Map 24 Lot 41A	Well #1	Town of Groveland	34.87	Water Department	Wetlands, Watershed, Wildlife Habitat, Passive Recreation, Flood Control, Larger Natural Habitat	Town/Gift	Good	Medium	Parking Area, No Trails	R-2	Perpetuity
Map 17 Lot 69	Water Tower	Town of Groveland	0.98	Water Department	Steep Slopes, Wildlife Habitat, Scenic Vistas	Town	Excellent	Low	None	R-2	Perpetuity
Map 6 Lot 1A	Well #3	Town of Groveland	12.0	Water Department	Watershed, Banks to Open Water, Wildlife Habitat, Passive Recreation, Scenic Vistas, Flood Control	Town	Excellent	High	Pines Recreation Area Parking, Trail	R-2	Perpetuity
Map 56 Lot 6A	Future Water Tower	Town of Groveland	0.5	Water Department	Steep Slopes, Wildlife Habitat, Scenic Vistas	Gift	Good	Low	None	R-1	Perpetuity

PROTECTED PUBLIC OPEN SPACE LAND

PARCEL ID	NAME	OWNER	ACRES	MANAGER	USE	FUNDS USED	CONDITION	RECREATION POTENTIAL	PUBLIC ACCESS	ZONING	DEGREE OF PROTECTION
Map 6 Lot 6A	Well #4	Town of Groveland	10.5	Water Department	Watershed, Banks to Open Water, Wildlife Habitat, Passive Recreation, Scenic Vistas, Endangered Species, Flood Control, Larger Natural Habitat	Water Department -Well Pollution Funds	Excellent	High	Pines Recreation Area Parking, Trails	R-2	Perpetuity
Map 46 Lot 3	Haverhill Pumping Station	City of Haverhill	2.15	Haverhill Water Department	Watershed, Banks to Open Water, Passive Recreation, Scenic Vistas	Unknown	Poor	Medium	None	R-1	Perpetuity
Map 45 Lot 2	Haverhill Water Department Land	City of Haverhill	2.6	Haverhill Water Department	Wetlands, Watershed, Banks to Open Water, Wildlife Habitat, Passive Recreation, Scenic Vistas	Unknown	Fair	High	Parking Area	R-1	Perpetuity
Map 11 Lot 149 Map 11 Lot 152	Perry Park	Town of Groveland	2.4	Board Selectmen	Passive and Active Recreation	Gift	Fair	High	Parking Lot, Trail	R-3, B	Perpetuity
Map Lot 124	Washington Park	Town of Groveland	11.3	Board Selectmen	Passive and Active Recreation	Gift	Very Good	High	Groveland Little League Fields, Parking Lot	R-2	Perpetuity
Map 57 Lot2	Parker River Conservation Area	State of Massachusetts	5.5	Mass. Department of Conservation & Recreation	Wetlands, Watershed, Banks to Open Water, Wildlife Habitat, Passive Recreation, Flood Control, Larger Natural Habitat	Unknown	Good	Low	None	R-1	Perpetuity

PROTECTED PUBLIC OPEN SPACE LAND

PARCEL ID	NAME	OWNER	ACRES	MANAGER	USE	FUNDS USED	CONDITION	RECREATION POTENTIAL	PUBLIC ACCESS	ZONING	DEGREE OF PROTECTION
Map 48 Lot 2	Upper Parker River Wildlife Management Area	State of Massachusetts	56.6	Mass. Division of Fisheries, Wildlife	Wetlands, Watershed, Banks to Open Water, Steep Slopes, Wildlife Habitat, Passive Recreation, Scenic Vistas, Rare Topography, Flood Control, Larger Natural Habitat	Unknown	Good	Low	None	I	Perpetuity
Map 48 Lot 2B			10								
Map 53 Lot 4B			5								
Map 54 Lot 1			25								
Map 48 Lot 11			17.8								
Map 37 Lot 5 Map 37 Lot 6 Map37 Lot 2 Map 26 Lot 24 Map 35 Lot 11 Map 30 Lot2 Map 22 Lot2 Map 30 Lot1 Map 19 Lot 30 Map 26 Lot 21 Map 21 Lot 1 Map 14 Lot 2A Map 20 Lot 3 Map 20 Lot 2	Crane Pond Wildlife Management Area	State of Massachusetts	1468.0	Mass. Division of Fisheries, Wildlife, and Environmental Protection	Wetlands, Watershed, Banks to Open Water, Steep Slopes, Wildlife Habitat, Passive Recreation, Scenic Vistas, Rare Topography, Flood Control, Larger Natural Habitat	Unknown	Good	High	Numerous Parking Lots, Numerous Trails	R-1	Perpetuity

PROTECTED PUBLIC OPEN SPACE LAND

PARCEL ID	NAME	OWNER	ACRES	MANAGER	USE	FUNDS USED	CONDITION	RECREATION POTENTIAL	PUBLIC ACCESS	ZONING	DEGREE OF PROTECTION
Map 22 Lot 1 Map 14 Lot 2 Map 20 Lot 4 Map 20 Lot 1 Map 13 Lot 22 Map 14 Lot 1											
Map 45 Lot 6	Essex County Greenbelt Association	Essex County Greenbelt Association	3.2	Essex County Greenbelt Trust	Watershed, Wildlife Habitat, Passive Recreation, Scenic Vistas	Gift	Good	Low	Parking in Adjacent Johnson's Pond Conservation Area	R-1	Perpetuity
Map 57 Lot 8	Essex County Greenbelt Association	Essex County Greenbelt Association	1.3	Essex County Greenbelt Trust					None; Connects land into Boxford	R-1	Perpetuity
Map 56 Lot 6	Rocky Forest Conservation Trust	Rocky Forest Open Space Trust	7.68	Rocky Forest Open Space Trust Trustees	Steep Slopes, Wildlife Habitat, Passive Recreation	None	Good	Low	None - Trust Prohibits	R-1	Perpetuity

Conservation Commission Land

The Groveland Conservation Commission was organized on May 19, 1966 and operates under the provisions of Massachusetts General Law (MGL) Chapter 40, Section 8C. Among a Conservation Commission's powers and duties is the authority to acquire, maintain, improve, protect, limit the future use of or otherwise conserve and properly utilize open spaces in land and water areas within the Town. Additionally, the commission has the authority to manage and control these properties.

The Commission manages and controls four parcels or reservations in town. They include 82.1-acre Meadow Pond Reservation, 46.5-acre Veasey Memorial Park, 110.4-acre Center Street Greenway and 55.5-acre Town Forest Greenway. These four major parcels contain extensive trails and are actively used by residents for passive recreation. In addition, Veasey Park also contains historic buildings that are used as a community center and event rental facility.

The remaining small parcels are grouped together based on their location. The Cemetery Brook Conservation area consists of five parcels totaling 3.5 acres. It is a mixture of wetlands and highlands and in the middle of a residential neighborhood. The Kings Way Conservation area consists of two parcels totaling 6.5 acres. It is mostly wetlands but has some trail potential. The Johnsons Pond Conservation Area consists of 5 parcels totaling 4.8 acres located along Johnsons Pond. This area has great pond views and is used for fishing and other passive activities. Seven other parcels are stand-alone areas totaling 13.6 acres. These parcels mostly contain wetlands and ponds. The small areas are mostly undeveloped for passive recreation but the Commission plans to undertake some trail development to increase their use where possible.

Since publication of the 1997 Open Space and Recreation Plan, property controlled by the Conservation Commission has gone from 57.5 acres to 326.02 acres.

TABLE 23. Conservation Commission Owned Land

PARCEL ID	NAME
Map 52 Lot 31 **Map 53 Lot 4** **Map 53 Lot 4A** **Map 53 Lot 2A** **Map 47 Lot 53A**	Meadow Pond Reservation
Map 46 Lot 34	Veasey Memorial Park
Map 6 Lot 16	Cemetery Brook Conservation Area
Map 6 Lot 31	
Map 6 Lot 32	
Map 7 Lot 5	
Map 7 Lot 1	
Map 5 Lot 1	Town Forest Greenway
Map 5 Lot 2F	
Map 33 Lot 9	Center Street Greenway
Map 33 Lot 6	
Map 33 Lot 10	
Map 13 Lot 3A	Seven Star Road Conservation Area
Map 13 Lot 14	
Map 32 Lot 23	Johnson's Creek Conservation Area
Map 35 Lot 21J	Kings Way Conservation Area
Map 35 Lot 21K	
Map 45 Lot 1	Johnson's Pond Conservation Area
Map 45 Lot 3	
Map 51 Lot 1	
Map 46 Lot 42B	
Map 51 Lot 2	
Map 46 Lot 13	Pond St. Conservation Area
Map 46 Lot 12	
Map 46 Lot 4	
Map 49 Lot 27A	Salem St. Conservation Areas
Map 49 Lot 5H	
Map 50 Lot 11	Rocky Woods Conservation Area
Map 52 Lot 8	Spofford Pond Conservation Area
Map 28 Lot 8	Quaker's Corner Green
Map 40 Lot 14	Mill Pond Conservation Area

Water Department Land

In 1965, the Town established its own water source by developing Well #1 adjacent to Argilla Brook. Prior to this time, the Town purchased its water from the City of Haverhill. A water tower was constructed on Perry Hill off Gardner Street and another site for a tower was donated to the Town off of Uptack Road. In 1971, Well # 2 was established, which due to pollution was permanently closed in 1979. In 1979, Well# 3 was established behind the Town Hall and in 2000 Well #4 was established along the Merrimack River behind the cemetery.

For many years, the City of Haverhill used Johnsons Pond as a drinking water source. Haverhill's inactive pumping station is located on Center Street next to the pond and additional land, which is no longer being used, is located on Center Street bordering Haverhill and Boxford.

Water Department land protecting the two wells along the Merrimack River consists of 22.3 acres in two parcels. The area has trails and beautiful views of the river. However, it is not well marked and is not widely used.

Other Municipal Land

Other protected Town land include those properties that are designated as parks under the provisions of Massachusetts General Law Chapter 45, Section 14. These Town-owned properties include Perry Park and Washington Park. Both of these properties were donated to the Town with deed restrictions that preclude their use for other purposes. Elm Park and the Civil War monument portion of Perry Park do not have deeds and, consequently, are not included in this plan. Both the Shanahan Field and the Pines Recreation Area are not designated as parks and, accordingly, are not protected as open space land.

Essex County formerly owned one property in the southwestern corner of the Town, which it purchased in 1972 for conservation purposes. This 9.3-acre property lies partly in Groveland and Boxford and includes approximately 1,800 feet of shoreline on the Parker River. With the abolishment of county government, this property was transferred to the control of the Massachusetts Department of Conservation and Recreation (DCR).

Massachusetts Division of Fisheries and Wildlife Land

The Massachusetts Division of Fisheries and Wildlife (DFW) owns numerous properties in the Southeastern properties comprise approximately 1,538 acres of fishing and hunting area and collectively are known as the Crane's Pond Wildlife Management Area (WMA).

Unlike State Forests and State Recreation Areas, the Crane's Pond WMA is not actively promoted as recreation land or developed for that purpose. Numerous trails exist throughout the area, but they are not well marked and no signs or maps are provided to facilitate their use. During the fall hunting season, this area becomes unsafe for

unrestricted passive recreation use, except for Sundays when hunting is not allowed in Massachusetts. Regardless of these limitations, if it were not for the sportsmen, this area would not have been protected.

While the wildlife management area is very large, it is located at one end of the Town, away from most of the Town's population. Ideally, passive open space should be distributed throughout the Town and should be within walking distance of residences. Distribution of open space throughout the Town helps preserve the Town's semi-rural character of country living.

Fisheries and Wildlife has also purchased a large number of parcels in the northwest portion of town and established the Upper Parker River Wildlife Management Area. The area consists of wetland and uplands totaling 229 acres in Groveland and Georgetown.

The acquisition of much of this property was funded through Open Space Bond Funds and the Wildlands Stamp Fund. Conservation of this property complements the network of open space protected by the towns of Georgetown and Groveland, the Essex County Greenbelt Association, and the Commonwealth. The area serves as habitat for state-listed Blanding's turtles and three other rare species, as well as many more common wildlife species such as white-tailed deer, wild turkey, beaver, and other turtles. The property will be managed for wildlife conservation and outdoor recreation by the Department of Fish and Game's Division of Fisheries and Wildlife.

TABLE 24. State Owned Land

PARCEL	NAME
Map 48 Lot 2 **Map 48 Lot 2B** **Map 53 Lot 4B** **Map 54 Lot 1** **Map 48 Lot 11**	Upper Parker River Wildlife Management Area
Map 37 Lot 5 **Map 37 Lot 6** **Map37 Lot 2** **Map 26 Lot 24** **Map 35 Lot 11** **Map 30 Lot2** **Map 22 Lot2** **Map 30 Lot1** **Map 19 Lot 30** **Map 26 Lot 21** **Map 21 Lot 1** **Map 14 Lot 2A** **Map 20 Lot 3** **Map 20 Lot 2** **Map 22 Lot 1** **Map 14 Lot 2** **Map 20 Lot 4** **Map 20 Lot 1** **Map 13 Lot 22** **Map 14 Lot 1**	Crane Pond Wildlife Management Area
Map 57 Lot 2	Parker River Conservation Area

PROTECTED PRIVATE OPEN SPACE LAND

Private land is considered protected if the property:

- Is owned by a nonprofit land trust
- Has a Conservation Restriction (CR)
- Has an Agricultural Preservation Restriction (APR)

Conservation Land Trusts

A conservation land trust is a private charitable organization that acquires or holds interests in land for the purpose of conserving the land in perpetuity. The Essex County Greenbelt Association is the largest land trust organization in the area and owns one Groveland property abutting Haverhill. There is also one private open space land trust,

which was established by the developers of the Rocky Forest (now Berrywood) subdivision off Uptack Road. Three trustee residents of the subdivision manage this trust and access to the open space is restricted to these residents.

Conservation Restrictions (CR)

Conservation restrictions are written agreements between a property owner and the Town by which the owner agrees to keep the land in a predominantly open, natural or scenic condition. The restriction may be donated or purchased by any governmental body or recognized private conservation agency. In Massachusetts, conservation restrictions have been given special legal status under Massachusetts General Law (MGL) Chapter 184, Sections 31-34. In order for a conservation restriction to be permanently enforceable (thus qualifying for potential tax benefits) the restriction must be reviewed and approved by the Massachusetts Executive Office of Environmental Affairs (EOEA) and the governing body of the municipality in which the restriction is located. The holder of the restriction may restrict or forbid construction of buildings and may limit soil or mineral removal.

Most Massachusetts cities and towns have numerous conservation restrictions in place. Essex County Greenbelt Association holds five (5) Conservation Restrictions here in Groveland, most of it on land controlled by the Conservation Commission. Below is a list of the parcels with a Conservation Restriction.

TABLE 25. Conservation Restriction Land

PROPERTY	MAP	LOT	LOCATION	ACRES
Meadow Pond Reservation	52	31	Uptack Rd.	10
	47	53B	Stephenson's Way	9.5
	53	4A	Off Stephenson's Way	48.7
	53	2A	28R Uptack Rd	8
	47	53A	Off Stephenson's Way	5.9
Veasey Memorial Park	46	34	201 Washington St	46.5
Town Forest Greenway	5	1	Wood St.	33
	5	2D	Wood St.	10.94
Center Street Greenway	33	9	Main St.	47.8
	33	6	33 Dewhirst St	45
	33	10	Center St.	9.65
			Total Acres with a Conservation Restriction	**274.99**

Agricultural Preservation Restrictions (APR)

Under MGL Chapter 564 Section 31, the Commissioner of the Department of Agricultural Resources may purchase the development rights of agricultural properties. Landowners voluntarily submit projects for such acquisition. The Commonwealth holds title to the Agricultural Preservation Restriction (APR). Land so restricted cannot be subdivided; it can only be leased or sold as farmland. The restriction holder can forbid or limit construction of buildings except for those used for agricultural purposes or for dwellings for the landowner and employees. The holder may also bar or limit soil or mineral removal, which could adversely affect the land's agricultural potential. The landowner does not necessarily grant public access to the property.

While surrounding cities and towns have many noteworthy Agricultural Preservation Restrictions (e.g., Silsby's Farm in Bradford, Kimball's Farm in East Haverhill, Long Hill Orchard in West Newbury), the Town of Groveland has no Agricultural Preservation Restrictions.

5.2 UNPROTECTED OPEN SPACE LAND

Groveland has some significant privately and publicly owned open space properties that are not protected. Approximately 200 acres of agricultural land are listed as Chapter 61A, and little forest or recreational properties are protected by Chapter 61 or 61B. Extensive open space lands are privately owned and need to be evaluated for protection of their natural resources and open space qualities.

Tax Incentive Land

In Massachusetts, an owner of managed forest, agricultural, or recreational land that meets certain eligibility standards may qualify for reduced property taxes under MGL Chapters 61, 61A, and 61B. This is based on the principle that certain qualified lands are assessed on the basis of their present use (as farmland, woodland, or recreational land) rather than their potential value under other uses, such as residential development. In this way the landowner is encouraged to preserve the land as open space without incurring a heavy tax burden.

All three measures are voluntary, have specific criteria for eligibility, and provide for penalties if the land becomes ineligible or is withdrawn from the program. From the landowner's viewpoint, these measures are attractive because they offer significant property tax reduction. From the conservation viewpoint, they offer at least short-term protection of productive open lands and recreational land, and in some cases they can assist the Town in permanently protecting its most important open lands.

From a long-range planning standpoint, it is important to note that none of these properties are permanently protected. If an owner of Chapter 61A (Agricultural) designated property wished to develop the property, the Town would have 120 days in which to act to acquire the land. Rarely would the Town have the ability, mechanisms, and/or funds to acquire land so quickly. Since completion of the previous Open Space and Recreation Plan, the Town has lost hundreds of acres of these lands primarily because it does not have an efficient means of funding the acquisition of these properties within this restrictive time period.

Chapter 61 Forest Land

MGL Chapter 61, Sections 1-7, allows forestland to be valued at no more than $10 per acre if the owner of 10 or more acres' practices forest management to improve the quantity and quality of a continuing forest crop. The Massachusetts Department of Conservation and Recreation (DCR) Division of Forests and Parks implements the classification of properties, and keeps records of all transactions. In 2002, 26.2 acres between Pike Drive and King Street were removed from this program and the Town did not exercise its rights to purchase the property. Currently, there are no Chapter 61 properties in Groveland.

Chapter 61A Agricultural Land

MGL Chapter 61A, Sections 1-24, lessens real estate burdens on working farmland while discouraging speculation by sale or development. Under this provision, agricultural lands are assessed for farm use and not at full developable market value. If the property is withdrawn from the classification, back taxes (the difference between full tax rate and the special assessment) must be paid to the Town for only the last five years.

TABLE 26. Chapter 61A Land

PARCEL ID	NAME	ACRES	USE
Map 7 Lot 63B	Grazio Crop Land	10.79	Agriculture: Forage Crops
Map 8 Lot 10	Latham Crop Land	31.2	Agriculture: Christmas Trees
Map 12 Lot 27	Esty Farm	47.3	Agriculture: Forage Crops
Map 16 Lot 78	Donovan Tree Farm	3.3	Agriculture: Christmas Trees
Map 17 Lot 94	Esty Pasture	15.25	Agriculture: Pasture
Map 18 Lot 36	Latham Farm and Hay Field	15.9	Agriculture: Field Crops
Map 18 Lot 37	Latham Hay Field	2.2	Agriculture: Field Crops
Map 24 Lot 29	Donovan Tree Farm	11.29	Agriculture: Christmas Trees
Map 37 Lot 1E	Aulson Wood Lot	2.17	Nonproductive Agricultural Land
Map 37 Lot 1F	Aulson Wood Lot	1.02	Nonproductive Agricultural Land
Map 18 Lot 53B	Fontes Pasture	6.06	Agriculture: Pasture
Map 53 Lot 10B	Luken Woodlot	0.83	Nonproductive Agricultural Land
Map 53 Lot 3B	Luken Woodlot	8.16	Nonproductive Agricultural Land
Map 56 Lot 12A	Luken Woodlot	1.0	Nonproductive Agricultural Land
Map 56 Lot 12	Luken Woodlot	0.69	Nonproductive Agricultural Land
Map 26 Lot 12	Fiore Pasture	13.7	Agriculture: Pasture

Chapter 61B Recreational Land

MGL Chapter 61B is a related, though less used, program that reduces property taxes on certain recreational lands, such as privately owned golf courses. The Garrison and Far Corners Golf Courses in Haverhill are examples of Chapter 61B properties. Groveland has one Chapter 61B property (Map 28/Lot 2; 10.6 acres) that is owned by William Baert at 66 Bare Hill Road.

Groveland's privately owned recreation lands include Cedardale Swim and Tennis Club (55.25 acres) located on Bare Hill Road and Groveland Fairways (14.2 acres) located at 156 Main Street. Cedardale is an especially beautiful property with spectacular vistas in many directions from the top of Bare Hill.



Aerial of Cederdale

INVENTORY OF UNPROTECTED LANDS

PARCEL ID	NAME	OWNER	ACRES	MANAGER	USE	FUNDS USED	RECREATION POTENTIAL	PUBLIC ACCESS	ZONING	DEGREE OF PROTECTION
Map 7 Lot 63B	Grazio Crop Land	Beverly Grazio	10.79	Beverly Grazio	Agriculture: Forage Crops	None	Low	None	R-2	Chapter 61A: Short-term
Map 8 Lot 10	Latham Crop Land	W. Nichols Latham	31.2	W. Nichols Latham	Agriculture: Christmas Trees	None	Medium	Unofficial	R-2	Chapter 61A: Short-term
Map 12 Lot 27	Esty Farm	Hobart and Nancy Esty	47.3	Hobart Esty	Agriculture: Forage Crops	None	Medium	None	R-2	Chapter 61A: Short-term
Map 16 Lot 78	Donovan Tree Farm	Charles and Sophia Donovan	3.3	Charles Donovan	Agriculture: Christmas Trees	None	Low	None	R-2	Chapter 61A: Short-term
Map 17 Lot 94	Esty Pasture	Howard and Shirley Esty	15.25	Howard Esty	Agriculture: Pasture	None	Low	None	R-2	Chapter 61A: Short-term
Map 18 Lot 36	Latham Farm and Hay Field	W. Nichols Latham	15.9	W. Nichols Latham	Agriculture: Field Crops	None	Medium	Unofficial	R-2	Chapter 61A: Short-term
Map 18 Lot 37	Latham Hay Field	W. Nichols Latham	2.2	W. Nichols Latham	Agriculture: Field Crops	None	Medium	Unofficial	R-2	Chapter 61A: Short-term
Map 24 Lot 29	Donovan Tree Farm	Charles and Sophia Donovan	11.29	Charles Donovan	Agriculture: Christmas Trees	None	Low	None	R-2	Chapter 61A: Short-term
Map 37 Lot 1E	Aulson Wood Lot	Aulson, Maureen and Alan	2.17	Alan Aulson	Nonproductive Agricultural Land	None	Low	None	R-1	Chapter 61A: Short-term
Map 37 Lot 1F	Aulson Wood Lot	Aulson, Maureen and Alan	1.02	Alan Aulson	Nonproductive Agricultural Land	None	Low	None	R-1	Chapter 61A: Short-term
Map 18 Lot 53B	Fontes Pasture	Fontes, Antonio and Alda	6.06	Antonio Fontes	Agriculture: Pasture	None	Low	None	R-2	Chapter 61A: Short-term
Map 53 Lot 10B	Luken Woodlot	Luken, Steven and Diane	0.83	Steven Luken	Nonproductive Agricultural Land	None	Low	None	R-2	Chapter 61A: Short-term
Map 53 Lot 3B	Luken Woodlot	Luken, Steven and Diane	8.16	Steven Luken	Nonproductive Agricultural Land	None	Medium	None	R-2	Chapter 61A: Short-term
Map 56 Lot 12A	Luken Woodlot	Luken, Diane	1.0	Diane Luken	Nonproductive Agricultural Land	None	Low	None	R-2	Chapter 61A: Short-term
Map 56 Lot 12	Luken Woodlot	Luken, Steven and Diane	0.69	Steven Luken	Nonproductive Agricultural Land	None	Low	None	R-2	Chapter 61A: Short-term
Map 26 Lot 12	Fiore Pasture	Vincent Fiore	13.7	Vincent Fiore	Agriculture: Pasture	None	Low	None	R-2	Chapter 61A: Short-term
Map 28 Lot 2	Baert Farm	William Baert	10.6	William Baert	Agriculture and Recreation	None	Medium	None	R-1	Chapter 61B: Short-term

INVENTORY OF UNPROTECTED LANDS

PARCEL ID	NAME	OWNER	ACRES	MANAGER	USE	FUNDS USED	RECREATION POTENTIAL	PUBLIC ACCESS	ZONING	DEGREE OF PROTECTION
Map 3 Lot 7	Cranton Ave. Lot	Town of Groveland	2.5	Board of Selectmen	Wetlands, Banks to Open Water, Steep Slopes, Wildlife Habitat, Passive Recreation, Scenic Vistas, Rare or Endangered Species, Flood Control	None	Medium	Adjacent to Well #4, Trails	R-2	None
Map 20 Lot 5	Seven Star	Town of Groveland	0.23	Board of Selectmen	Wetlands, Wildlife Habitat	None	Low	Adjacent to Crane Wildlife Management Area		None
Map 22 Lot 3	Off Brown Island Rd. Lot	Town of Groveland	2.4	Board of Selectmen	Wildlife Habitat, Passive Recreation, Larger Natural Habitat	None	Medium	Surrounded by Crane Wildlife Management Area	R-1	None
Map 26 Lot 29A	Off King and Center Streets Lot	Town of Groveland	0.5	Board of Selectmen	Wetlands, Wildlife Habitat	None	Low	None	R-2	None
Map 42 Lot 41	King Street	Town of Groveland	7.87	Board of Selectmen	Wetlands, Wildlife Habitat	None	Medium	Adjacent to Community Trail; Access from Ashcroft Terrace	R-1	None
Map 2 Lot 12	Main Street	Town of Groveland	0.37	Board of Selectmen	Wetlands, Wildlife Habitat	None	Low	None	R-2	None
Map 10 Lot 1A	Main Street	Town of Groveland	0.11	Board of Selectmen	Wetlands, Wildlife Habitat, Riverfront	None	Medium	None	B	None
Map 32 Lot 25	Johnson's Creek Lot (Main St.)	Town of Groveland	6.2	Board of Selectmen	Wetlands, Banks to Open Water, Wildlife Habitat, Passive Recreation, Flood Control	None	Medium	Parking at Highway Department Garage	R-2	None
Map 41 Lot 42B	Bagnall School (Center St.)	Town of Groveland	7.7	Board of Selectmen	Wetlands, Watershed, Wildlife Habitat, Flood Control, Larger Natural Habitat	None	Medium	Parking at Bagnall School	R-2	None
Map 41 Lot 55K & Map 41 Lot 55	Bagnall School (Salem St.)	Town of Groveland	7.6	Board of Selectmen	Future School Expansion	None	Medium	Parking at Bagnall School	R-2	None

INVENTORY OF UNPROTECTED LANDS

PARCEL ID	NAME	OWNER	ACRES	MANAGER	USE	FUNDS USED	RECREATION POTENTIAL	PUBLIC ACCESS	ZONING	DEGREE OF PROTECTION
Map 48 Lot 11A	Salem St. Lot C (Uptack St.)	Town of Groveland	8.9	Board of Selectmen	Wetlands, Banks to Open Water, Wildlife Habitat, Passive Recreation, Flood Control	None	Low	None	I	None
Map 49 Lot 20	King St. Lot	Town of Groveland	5.73	Board of Selectmen	Wetlands, Wildlife Habitat, Passive Recreation	None	Low	On-street Parking	I	None
Map 11 Lot 15 & Map 6 Lot 1	Pines Recreation Area	Town of Groveland	30	Board of Selectmen	Active & Passive Recreation- Also includes Town Hall Complex	None	High	Baseball Field; Basketball Courts; Playground; Parking lot; Boat Ramp	R-2	None
Map 16 Lot 4	Shanahan Fields	Town of Groveland	9.3	Board of Selectmen	Active Recreation	None	High	On-Street Parking; Potential River Access	R-2	None
Map 40 Lot 9	150 Center (Bussing Property)	Town of Groveland	61.32	Board of Selectmen	Wildlife Habitat, Passive Recreation, Larger Natural Habitat	Town	High	On-Street Parking; Trails	R-2	None

SECTION 6
COMMUNITY VISION

Groveland is a small, residential community that retains all of the characteristics of a rural town with large tracts of land as protected open space. The Town lies along the south banks of the Merrimack River and several other brooks, as well as the Parker River, pass through the Town. Along with a town forest, much of the eastern corner of town is taken up by the Crane Pond Wildlife Management Area.

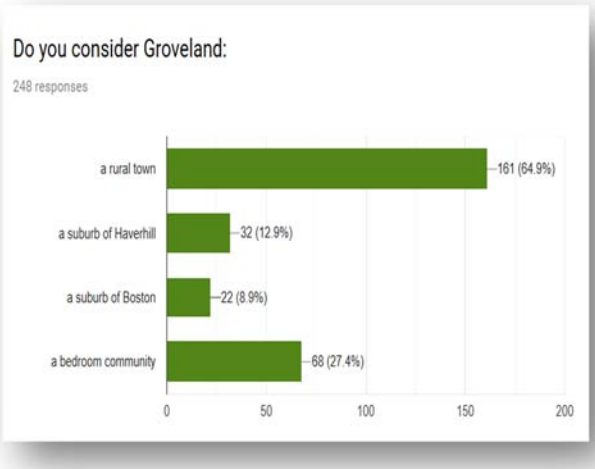
In finalizing the list of goals and objectives, the Town of Groveland set out to continue the traditions of protecting and improving these open spaces and expanding recreational resources. The goals are focused on enhancement, maintenance, protection, acquisition and management.

6.1 DESCRIPTION OF PROCESS

Open Space and Recreation Community Needs Survey: Altogether, 248 completed surveys were returned and tabulated. An open space and recreation community needs survey was distributed via the Town, both online and in print, to Groveland residents for the span of three months -April to June. The online survey was available to anyone with computer access. The survey link was posted on the Town website, Facebook page and Twitter page. The paper version was mailed with the Council on Aging monthly newsletter and was available in various offices in Town Hall.



Highlights of the survey results follow.



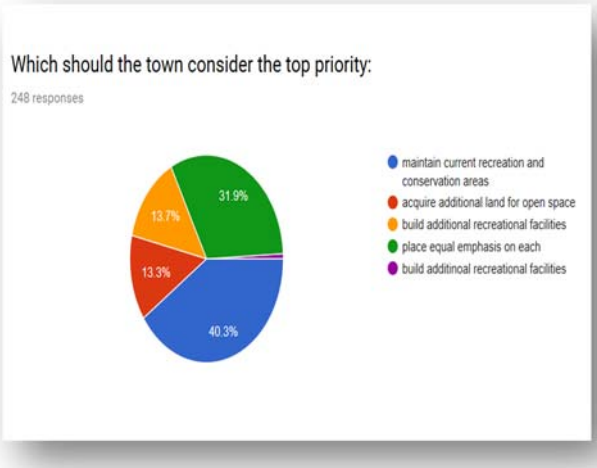
In summary, Groveland is best described as a rural bedroom community.

Residents overwhelmingly prefer open space for conservation and recreation purposes.

In terms of residential growth policy, 34.3% encouraged individual houses instead of subdivisions, 19.8% preferred no growth at all, 27.8% think that growth should be evenly spread throughout Town, and 27.8% feel that growth should be encouraged in areas of already existing development. Only 8.5% preferred growth in undeveloped areas.

When asked what type of businesses residents would like to see 56% answered agriculture, 45.6% answered grocery/food with light industry and retail stores close behind.

An overwhelming 81.9% of resident are in favor of protecting farmland. When asked how we could protect farmland, residents responded in the majority to regulating housing development by zoning for open space preservation.



The majority of residents would also like to see bike trails, hiking trails and skiing trails in town. 48% of residents also noted they would like to see improved river access. 40.3% of residents would like to see the Town maintain current recreation and conservation areas as opposed to the 13.3% who want to see the Town acquire additional land for open space.

In the open ended question, residents were asked what they like most about living in Groveland and what they like least about living in Groveland. Residents like the small town atmosphere and the quiet nature of the Town. The top attributes were greenspace, low crime rate, safety and schools. Many residents shared they feared the Town was being overdeveloped. Others expressed frustration with roadways, sidewalks and politics. Residents also expressed a desire to see more commercial and retail businesses in Town.



Public Meeting: In the fall of 2019, a public hearing was held to present and discuss the Open Space & Recreation Plan. The meeting was advertised using flyers posted at public locations around town as well as inclusion in the Town calendar and social media accounts. An announcement was also made through a town-wide robo call.

A Strengths, Opportunities, Aspirations, and Results (SOAR) analysis was performed at the meeting. The strengths and opportunities looked at the present situation and what the Town does well. The aspirations examined what residents would like to see in the future and results discussed tangible outcomes and measures to demonstrate progress towards our goals. The following questions were asked:

STRENGTHS

- What places/programs are we most proud of in Groveland related to open space & recreation?
- What makes our community unique?
- What are our recent achievements regarding open space and recreation?
- What community strengths helped Groveland achieve these results?
- What about Groveland's open space and recreation program stands out in the region/what is unique?

OPPORTUNITIES

- What are the top three open space or recreation opportunities on which Groveland should focus its efforts?
- What are additional programs that are not available in the community but are needed by residents?
- How can Groveland address the challenges that may exist to obtaining/implementing these new opportunities?
- What additional resources are available/needed?

ASPIRATIONS

- What are Groveland residents deeply passionate about?
- Reflecting on Groveland's "Strengths" and "Opportunities" where should we look to grow in the future?
- What strategic initiatives (projects, programs and processes) would support these "Aspirations"?

RESULTS

- Considering the Strengths, Opportunities and Aspirations identified what meaningful

measures would indicate that Groveland is on track to achieving its goals?
- What resources are needed to implement vital projects?
- How should success be shared to encourage others to support the identified goals?

Participants expressed appreciation for assets such as Johnsons Pond and Veasey Memorial Park. They spoke about the recreational fields available at Washington Park and Shanahan and the mixed-use opportunities at the Pines Recreation Area. The discussion involved topics such as the trails at Center Street Greenway, Meadow Pond and Veasey Memorial Park. Residents are passionate about the Town and the quaint atmosphere that it provides. They would like to see a feasibility study performed at the Center Street Greenway, specifically the parcel at 150 Center Street. There were conversation concerning the benefits of a Town wide trails network. Participants acknowledged the need for more outreach and communication of information concerning programing and educational opportunities. They also discussed the benefits of having a town-wide clean-up. Residents also noted that they would like to see more collaboration with those communities that also border Johnsons Pond.



During the meeting participants were invited to highlight areas on a town map identifying parcels they would like to see the Town acquire and/or view as key connection pieces to other open space parcels. Parcels that were identified included: an area on Benjamin Street near Johnsons Pond, a parcel of land that shares borders with the Town of Boxford, and the parcel of land that contains the former Haverhill Pump Station for Johnsons Pond.

Town Meetings/Elections

Groveland residents participating in past town meetings and town elections have voted to adopt articles and taken actions that indicate strong support for protecting open space and for maintaining the Town's small-town, rural character.

2007. Voted to spend $75,000 of Community Preservation Funds on an 8-acre parcel on Uptack Road to add to Meadow Pond Reservation.

2009. Voted to spend $50,000 of Community Preservation Funds on a 6-acre parcel on Stephenson Way to add to Meadow Pond Reservation. A private donor and Essex County Greenbelt donated $10,000 to meet the final sale price of $60,000.

2013. Voted to purchase 150 Center Street, property of 63 acres for $3.675 million as open space held under the care, custody and control of the Board of Selectmen. At a town-wide vote the debt exclusion to fund the measure passed 794 to 468.

Voted to spend $39,000 Community Preservation Funds and accept grants of $120,000 to purchase former Mattingly property, a 48-acre parcel.

Voted to spend $835,000 of Community Preservation Funds and $100,000 from the Water and Sewer Department to purchase 54-acres of the former Angelini property.

Both the Mattingly and Angelini land purchase as open space are under control, care and custody of the Groveland Conservation Commission.

2014. Voted to approve Community Preservation Funds for design work of the Community Trail.

2015. Voted to approve Community Preservation Funds for design work of the Community Trail.

2016. Voted to approve Community Preservation Funds to finalize Groveland's commitment to design costs of the off-road community trail segment.

2017. Voted to approve the conservation restriction for three parcels as part of the Meadow Pond Reservation.

Conservation Restriction approved for the Center Street Greenway properties.

2018. Voted to approve exchange of 9,000SF parcel from Town Forest for 10-acres of abutting land. With the entire Town Forest to be placed under care, custody and control of the Groveland Conservation Commission and a conservation restriction to be granted.

2019. Voted to approve placing 8-acres of 150 Center Street property into the Center Street Greenway conservation restriction as mitigation for a taking of turtle habitat by the Groveland Community Trail.

Voted to approve $20,000 to purchase a 3.5-acre parcel that abuts Veasey Park and would be added to the conservation restriction on the park.

6.2 STATEMENT OF OPEN SPACE AND RECREATION GOALS

Groveland is committed to protecting the Town's open space and recreation areas. As noted through the public engagement process, residents value the small-town, rural environment. Residents feel as though the Town is a great place to live and play and escape from "city-life". Over the last few years the protection of open space land has been a focus. The Town has successfully identified key parcels and protected these parcels from future development. There are not many more of these larger parcels in Town. The Town has continued to create trails, ensure designated recreational fields for different youth and adult sports, tend to invasive species in Johnsons pond and promote access to the Merrimack River.

As the Town plans for the future there is an emphasis on maintaining the open space and recreation areas that the Town currently owns. There is a desire to create connections among these parcels and integrate them into the existing network. There is also concentration on promoting more passive and active recreation activities and providing outreach and education concerning the availability and use of these areas.

SECTION 7
ANALYSIS OF NEED

7.1 SUMMARY OF RESOURCE PROTECTION NEEDS

Results from the open space survey and public meeting indicated that protecting open space, preserving the small town character and providing recreational opportunities were very important in Groveland. Therefore, the current focus is on the acquisition and protection of properties that enhance and provide a connection to other open space parcels throughout town and maintain and improve the open space parcels currently under the Town's control. Collectively, these properties represent scarce and unique resources, each in their own right, that must be protected and/or acquired to satisfy the various needs of the Town with respect to our open space and recreation goals and objectives.

Properties that offer connection opportunities are part of an identified greenway. Greenways enhance the related recreation potential, strengthen the protection of endangered species, and provide for greater efficiency in the management and oversight of these properties. The opportunities for outdoor recreation are amplified in cases where there is a potential to extend an existing trail or incorporate a trail into a town-wide trail system. A greenway is a critical land corridor that connects otherwise isolated pieces of open space and provides for wildlife movement, however due to its physical size, regional scale and potentially numerous property owners, it is often otherwise difficult to protect such corridors.

Three local greenways were identified– (1) Wood Street/Crane Pond Wildlife Management Area corridor, (2) the Johnsons Pond/Johnsons Creek/Merrimack River corridor and (3) the Argilla Brook/Johnsons Creek/Merrimack River Corridor. These corridors extend beyond the Groveland borders, as they are integral parts of regional utility easements, the Merrimack River and Parker River and/or wildlife management areas. Greenways are needed to help ensure genetic diversity of wildlife that uses these corridors to move from one area to another. These corridors are good sites to observe wildlife and are important for gathering and connecting local trails, thus creating a larger trail network.

Still other properties may be desirable for protection due to their scenic beauty and vistas even when public access is limited or even denied. This type of property is an excellent choice for protection by a conservation restriction (CR). A CR allows the property to stay in private ownership but protects some aspect of its natural beauty or scenic vista usually in perpetuity.

One such parcel is a thin sliver of land on Johnsons Pond, adjacent to Veasey Memorial Park, and accessible from Washington Street; providing unobstructed access to and scenic views of the pond. *Map 52 Parcel 3A*

At 733 Salem Street, there is a contiguous piece of property that is privately owned and currently in the permitting phase for development. Through the planning process a design change was made and it was decided that one of the proposed houses would not be built to minimize the impact to wetland resource areas. At the Town Meeting in May 2019 the Town voted to allocate Community Preservation Act (CPA) funding to acquire the 3.5 acres of land remaining after the development. The parcel is important because one, it contains wetlands that filter contaminants from Johnsons Pond; two, it abuts Veasey Park and will provide a buffer from the development; and, three it provides added access to the Pond connecting other conservation properties. *Map 39 Parcel 67*

The Groveland Town Forest and its hilltop are accessible by trail from Wood Street. This trail also connects with adjacent trails on West Newbury conservation land, providing an extensive walk in a hilly-woodland terrain. There is also an undeveloped parcel along the northern border of the Town Forest that has significant open space value, as it would significantly enlarge the Town Forest and significantly extend the trail system in this section of town. Currently, this parcel is in private ownership and the owner has not expressed an interest in selling. This parcel would provide access from Route 113 and an interesting trail loop along the Nichol's Village trail easement and the Town Forest. In additional, to an open space opportunity, this parcel presents an affordable housing possibility as well. *Map 2 Parcel 16*

An additional priority for adding to the Town Forest Greenway is portions of this 44-acre parcel which located across Wood Street from Town Forest. It would extend the Greenway and add to the vast network of trails from West Newbury into Groveland. The property also contains a hilltop with the second highest elevation in town. The property is owned by a developer who intends to build two or three homes on the parcel and potentially donate the remaining acreage to the Town or Essex County Greenbelt. *Map 8 Parcel 4*

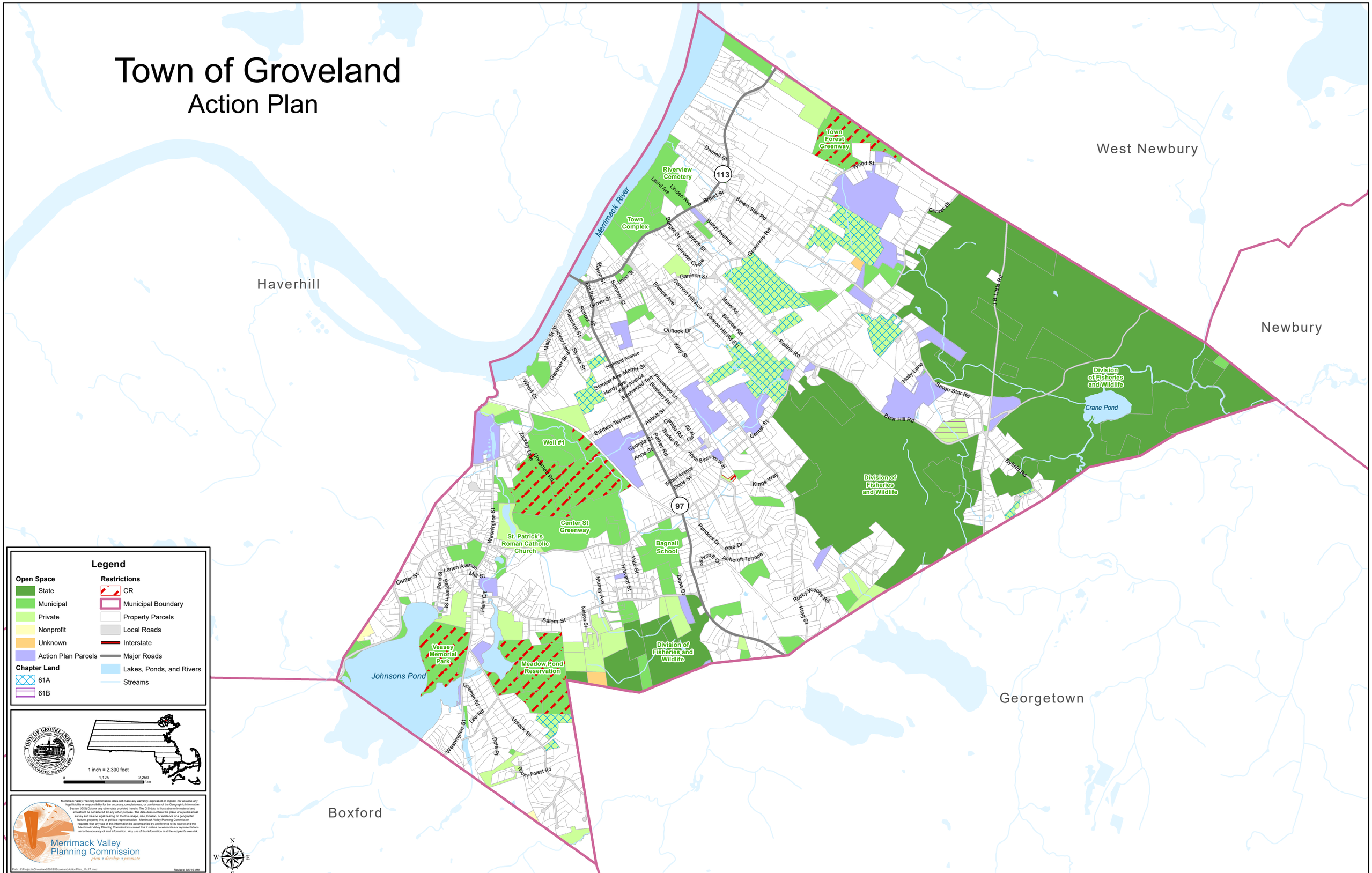
There are two parcels owned by the City of Haverhill that may be available when Haverhill gives up control of Johnsons Pond as a water supply. Both sites could be added to the Johnsons Pond Conservation Area that already encompasses 5 parcels on the Haverhill/Boxford side of the pond along Center Street. The first is a 3-acre former pump station that was used to transfer water from the pond to Haverhill. This parcel could be developed using Community Preservation Act (CPA) recreation funds into a sailing, canoe and kayak facility with direct access to the pond. The second 3-acre parcel provides existing trail access from Groveland into Haverhill. It abuts current Conservation land and a parcel controlled by Essex County Greenbelt. *Map 43 Parcel 3 & Map 45 Parcel 2*

Another open space issue is that farmland has been disappearing quickly as developers purchase this land as soon as it becomes available. Though there are ways to save some of the remaining local farms, this effort is becoming ever more difficult as there is a strong demand for housing in this area.

The loss of open space and farmland also has a detrimental impact on local scenic vistas and pastoral roadways throughout town. Certain parcels being considered for long term protection include the following:

- Map 8, Parcel 10 - This parcel is actively used for agriculture and currently held under 61A. The parcel directly abuts Town owned land on Seven Star Road and would provide access from Center Street.
- Map 53, Parcel 3B – This parcel is held under 61A. The parcel directly abuts Meadow Pond Reservation.
- Map 24, Parcel 29 – This parcel is held under 61A. If utilized in combination with the lots listed above could connect residents through trails to the proposed Community Trail and Center Street Greenway.
- Map 24 Parcel 28 and 28A – Both parcels abut the Community Trail and the Center Street Greenway parcel.

Town of Groveland
Action Plan



7.2 SUMMARY OF COMMUNITY NEEDS

MASSACHUSETTS' STATEWIDE COMPREHENSIVE OUTDOOR RECREATION PLAN (SCORP)

In 2017, the Executive Office of Energy and Environmental Affairs completed the Massachusetts' Statewide Comprehensive Outdoor Recreation Plan (SCORP) to help guide the distribution of federal funding from the Land and Water Conservation Fund (LWCF) to state agencies and municipalities for the acquisition of open space, renovation of parks, and development of new parks. The SCORP is a planning document that discusses the available recreational resources in a state, as well as its needs, and identified the gaps between the two.

Below is a list of the community needs identified by residents through the engagement process and in relation to those goals identified in the 2017 SCORP.

Trails

Goal two of the SCORP is to support the statewide trails initiative. This is an initiative Groveland has been very passionate about with the focus given to our trails network and design of the Community Trail. The need to preserve additional conservation land and develop additional trail systems for passive recreation ranked near the top of the list in the survey results. As discussed above, a number of properties were identified which would provide viable opportunities to expand the Town's inventory of protected conservation land, while in many cases, also providing critical protection for certain resources and opportunities for trail development or expansion.



Groveland Community Trail

The Groveland Open Space and Trails Committee (GOSTC) has been very active over the last few years with the design and advocacy for the Groveland Community Trail. Construction of the 3.25-mile trail is shown in the FFY 2021 element of the upcoming Transportation Improvement Program (TIP). The Groveland Community Trail will unite many community areas including the Pines Recreation Area, Groveland Dog Park, the Center Street Greenway, Shanahan Field, Bagnall Elementary School, Perry Park School, Groveland Center, Elm Park, the Langley-Adams Public Library, Groveland Town Hall, and the Groveland Police & Fire Departments. There will also be walking access to River's Edge Plaza in Haverhill via Bates Bridge. The trail will be publicly accessible by multiple neighborhoods. It will also offer future opportunities to connect into a larger regional trail network. It will connect with regional efforts like the Border to Boston Trail via Georgetown, the Bradford Rail Trail in

Haverhill, and the to-be-determined Merrimack River Trail. As seen in its proposed route, the Groveland's trail uniquely aligns the community with a growing state and national focus of recreational and rail trail development. Now that funding has been secured the GOSTC is focusing its attention on funding opportunities for on-road trail construction, signage and developing further open space connections. In the community needs survey and public meeting residents expressed their excitement about the Community Trail and their eagerness for construction to begin.



As progress is made along individual trails in town, other trails are being neglected. There is a need to create an accurate and comprehensive trail catalog for trail planning, trail tracking and other planning purposes for the entire town. Useful information would be trail routes, parking, signage, ongoing maintenance needs, inspections, etc. This effort would help with the prioritization of needs and funds and also allow collaboration among various groups in town. At the public meeting, participants discussed a GIS application that would identify the various trails at a particular location. The application would also allow users to report maintenance needs, such as a tree blocking the path.

In efforts to create awareness of the Town's open space and trail resources, the Groveland GOSTC has sponsored many local walks but the turnout of local residents has been low. The GOSTC is exploring other ways to encourage residents to learn more about their local conservation land and discover the benefits of getting outdoors to walk, hike, observe wildlife.

As stated specifically in the SCORP, studies have shown that people that recreate in parks and open spaces with trail amenities tend to participate in endeavors that require a higher level of physical activity. Also, parks and open spaces with trails, paved or unpaved, and wooded areas are seven times more likely to be used for physical activity than those that do not. This can lead to improvements in public health. As the percent of people with obesity increases in the nation, it is critical to provide affordable and fun ways to increase physical activity. Additionally, the 2017 SCORP online recreation user survey found that 83% said it was very important to have more outdoor recreation programs for senior citizens, and 91% states it was also very important to teenagers.

As noted earlier in this Plan, and in the Housing Production Plan, the single person household growth in Groveland is indicative of a growing elderly population, many who are living alone. Research has shown that there is a positive association between open space and life satisfaction. Open space provides a positive influence on elders' health and may help elders continue to "age in place." Age-friendly communities strive to better meet the needs of

their older residents by considering the environmental, economic, and social factors that influence the health and well-being of older adults.

River Access

Merrimack River access and recreation points remain relatively limited despite having a major town boundary along the river. The Pines Recreation Area affords residents with a suitable boat ramp and picnic tables along the bank of the river, but there are no public docks along the river in Groveland and views of the river are largely obscured by pine trees along the bank. Additional public access to the riverfront is available via certain established trails from the Shanahan Fields along Main Street, but the site is otherwise undeveloped, and unknown to many. Additional investigation should be pursued to evaluate if expanded access and or development of additional recreation facilities along the river would be permitted and prudent. This need is also consistent with goal three of the 2017 SCORP to increase the availability of water-based recreation. The Town is currently working with the Haverhill High School Rowing Team in order to provide a boat house to store their equipment and provide access to the River.



Boat Ramp at the Pines

Public Swimming

Survey participants expressed interest in having the New Mill Pond reopened. Since this swimming location was closed, the Town has not had a local swimming beach. There would be some impediments to surmount before New Mill Pond could be reopened, in particular, the widespread growth of vegetation in the pond along the shore, and the fact that the pond is situated down gradient from the Valley Manufacturing Superfund Site.

Another potential swimming site is Johnsons Pond. Currently, swimming is prohibited given the status as a back-up reservoir for the City of Haverhill. However, additional investigation is planned to determine the extent of Haverhill's water rights, and the probability of being able to establish swimming as a permissible activity on the pond. Even if swimming is not an option there is still an interest to explore the water rights as the pump station remains unused and could be utilized as a spot to house canoes and kayaks for boating on the pond.

The community needs survey results also showed a desire among residents to have a splashpad or interactive water spot for children in the summer time.

Community Garden Plots

Residents expressed an overwhelming desire to have community garden plots. Community gardens are places where people come together to grow a variety of vegetables, herbs, fruits and flowers. They do this by renting individual or shared plots of land within the community garden. Urban agriculture can be beneficial to the environment, and to the health and wellbeing of community members. Community gardens allow for the creation of social ties and build a greater feeling of community. Additional outreach should be performed to identify locations that would be favorable for such activities. This was voiced by both the senior population and some of the younger groups, such as the Boy Scouts. This is consistent with goal four of the 2017 SCORP to support the creation and renovation of neighborhood parks.

Growth

The Town's population is approximately two-thirds of its predicted build-out. With this predicted growth, the Town will face many challenges, including open space preservation. With growth there will be additional demand for athletic fields to accommodate the increased number of youth in the Town. The Town's athletic fields are already strained by the demands of local sports leagues and it is not expected that the present number of athletic fields will adequately meet the needs of this additional growth. Given the Town's relatively limited inventory to establish additional athletic fields, the Town must continue to actively pursue opportunities to acquire/utilize properties that may be used to meet this need both now, and well into the foreseeable future.

ADA Issues

As part of the planning process for the Open Space and Recreation Plan, staff from the MVPC conducted ADA assessments of each of the Town-owned recreational and conservation properties. Veasey Memorial Park is currently the only location in Town to have a site evaluation and transition plan performed by the Northeast Independent Living Program, Inc. The Massachusetts Office on Disability (MOD) offers a Municipal ADA Improvement Grant that provides funding for transition and self-evaluation plans. The Town will apply in the upcoming grant round in efforts to take this initial assessment performed by the MVPC and compile a more comprehensive evaluation and transition plan town wide. If awarded a grant, a written transition plan will be completed and incorporated into future recreation capital plans.

7.3 MANAGEMENT NEEDS, POTENTIAL CHANGE OF USE

The following management needs have been identified:

- The Town should promote public outreach to residents about conservation land and recreational opportunities.
- The Town should update the 1999 draft master plan and seek approval.
- The Town should develop a management plan for the Valley Manufacturing property to ensure compliance with all necessary remediation and explore future development and/or protection of the site through a feasibility study.
- The Town should conduct a feasibility study for the property located at 150 Center Street to formulate a comprehensive plan for the land moving forward.
- The Town should explore the creation of a Parks & Recreation Division. Currently, the Board of Selectmen, through the Finance Director, manage the Town owned recreational fields, including scheduling the use of the fields and maintenance. However, the Town also has a very active independent recreational organization that performs fundraising activities to provide improvements at the fields, such as lights, bleachers, etc. There is also a Recreation Committee that discusses the programming and use at the fields but acts in an informational capacity. Due to this arrangement, coordination of recreation organizations and activities in town is often fractured. As the demands on our facilities and athletic facilities continue to be challenged, the Town should make efforts to better align and coordinate the interests of the various groups, departments, committees and organizations that sponsor recreational activities throughout the Town. A Parks & Recreation Division could manage the use and maintenance of the fields and also implement town sponsored programming. Town sponsored programs at town recreation facilities and public open space can help meet the diverse needs and interests of the community and its members.

A high level of commitment exists on behalf of the citizens and many other neighborhood and friends groups. This interest indicates the potential for expanded citizen support for park, field, trail and other open space revitalization.

SECTION 8
GOALS AND OBJECTIVES

This Open Space and Recreation Plan has set out to continue the traditions of protecting and augmenting open spaces and expanding recreational resources. These goals focus on enhancement, maintenance and protection and will allow Groveland to continue to be a thriving town but keep intact it's small-town character. The overarching vision of this Plan is as follows:

GOAL 1. Protect Groveland's water resources, particularly its aquifers.

Objectives:

i. Increase town-wide public outreach and educational offerings regarding the protection of water resource quality and function in town.
ii. Work to minimize stormwater run-off pollution impacts, sedimentation, and erosion into surface waters.
iii. Work to minimize invasive species occurrences on lands bordering water resources.
iv. Explore the option to discontinue use of Johnsons Pond as a designated drinking water supply for Haverhill.

GOAL 2. Protect the small-town, rural character of Groveland.

Objectives:

i. Spread growth evenly throughout Town.
ii. Explore zoning changes to promote open space development.
iii. Maintain and improve the Town's existing tree canopy.
iv. Expand and maintain sidewalks to allow for pedestrian activity.
v. Enhance access to the Merrimack River.

GOAL 3. *Preserve Groveland's natural resources, including rare wildlife and their core habitat as well as open space, scenic vistas, farms, trails, greenways and wildlife corridors and especially land that enhances and buffers existing conservation land.*

Objectives:

i. Increase town-wide public outreach and educational offerings regarding the protection of rare wildlife and endangered species in town.
ii. Provide kiosks with important wildlife information.
iii. Explore ways in which land can be acquired and protected without direct purchase by the Town.
iv. Identify and, when possible, acquire parcels of value that abut existing protected open space.
v. Connect open space parcels through a network of trails.
vi. Develop temporary and permanent off-road/on-road Community Trail art.

GOAL 4. *Enhance recreational opportunities by protecting existing recreational land and acquiring additional land to meet increased demand due to projected population growth and to provide desired recreational offerings.*

Objectives:

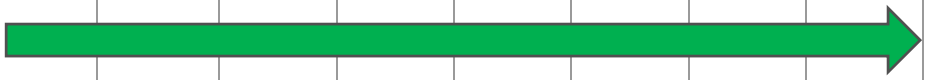
i. Develop a formal framework for land management plans and conservation oriented geodatabases that address town-wide and site-specific use, maintenance, and improvement of conservation land.
ii. Investigate and explore the creation of a Parks & Recreation Division.
iii. Maximize the use of current facilities.
iv. Explore the creation of recreational fields at Strawberry Fields.
v. Explore option to re-create the use of Mill Pond as a public swimming location.
vi. Look for opportunities to expand programs to promote local agriculture and community gardens.
vii. Create a local Farmers Market.
viii. Create a Community Garden
ix. Develop diverse programs for people of all ages and abilities.
x. Plan and construct improvements that will provide access to programs and facilities for residents with disabilities, using ADA and MA AAB standards.
xi. Improve wayfinding signage and access to conservation and recreation areas.
xii. Investigate and promote increased recreational use of Johnsons Pond.

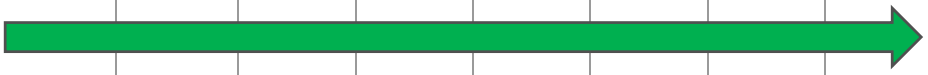
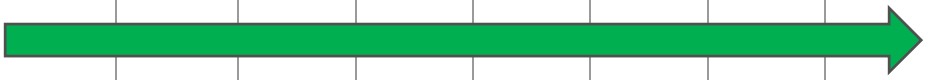
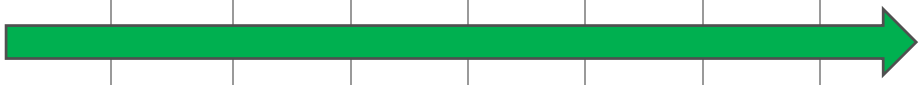
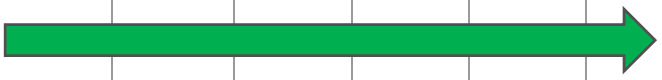
SECTION 9
SEVEN-YEAR ACTION PLAN

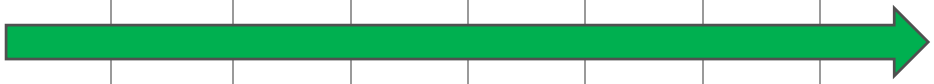
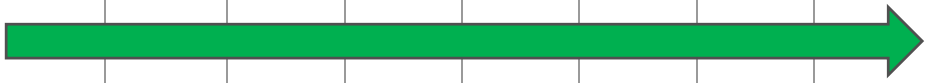
The Seven- Year Action Plan is based on the goals and objectives of the previous section. Developing an action plan reinforces the community vision, increases efficiency and establishes accountability. The following action plan intends to clarify what resources are required and formulate a timeline for when specific tasks should be completed.

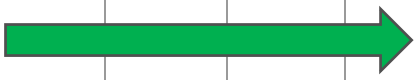
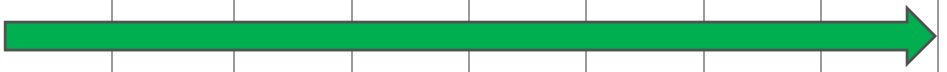
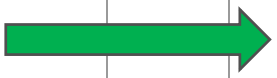
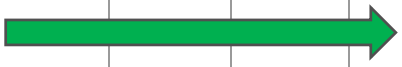
An action plan is always a work in progress. Implementing the recommendations of this plan will depend on the funding available and capacity. As such, maintaining flexibility and continuing to assess and set priorities will require on-going collaboration and coordination between various groups and stakeholders. This plan should be reviewed annually to evaluate the previous year's implementation activities and address the changing needs of the community.

Seven Year Action Plan	2020	2021	2022	2023	2024	2025	2026	2027
GOAL 1. Protect Groveland's water resources, particularly its aquifers.								
Increase town-wide public outreach and educational offerings regarding the protection of water resource quality and function in town. Responsible Party: Water & Sewer Commission Funding: Water & Sewer Commission								
Work to minimize stormwater run-off pollution impacts, sedimentation, and erosion into surface waters. • *Utilize MVP workshop, plan and MS4 as resource* • *Mobile App to track location/maintenance of stormwater infrastructure* Responsible Party: Conservation, Planning, Highway, MVPC Funding: Town, Grants								
Work to minimize invasive species occurrences on lands bordering water resources. • *Johnson Pond Watershed Management Plan* • *Create inventory of location, species and mediation plan.* Responsible Party: Conservation Funding: Town, CPA								
Explore the option to discontinue use of Johnsons Pond as a designated drinking water supply for Haverhill. • *Conversion of the existing pump station for use associated with expanding boating and recreation on the pond* Responsible Party: Conservation, CPC Funding: Town, CPA								

Seven Year Action Plan	2020	2021	2022	2023	2024	2025	2026	2027
GOAL 2. Protect the small-town, rural character of Groveland.								
Spread growth evenly throughout Town. • *Emphasis on infill and rehabilitation/conversion* • *Explore creation of a Housing Trust* Responsible Party: Planning, CPC Funding: Town, CPA								
Explore zoning changes to promote open space development. • *Identify incentives with developers* Responsible Party: Planning Funding: Town								
Maintain and Imrpove the Town's existing tree canopy. • *Compile Street Tree inventory* • *Management & preservation of the Elm Trees on Elm Square – maintenance plan* • *Update and utilize Scenic Roads Bylaw* Responsible Party: ConCom, Highway/Tree Warden, MVPC Funding: Town, Local Technical Assistance								
Expand and maintain sidewalks to allow for pedestrian activity. • *Sidewalk inventory* Responsible Party: Highway, MVPC Funding: Town, Grants, Local Technical Assistance								
Enhance access to the Merrimack River. • *Pines Recreation Area* • *Shanahan Fields* • *Elm Square* Responsible Party: Board of Selectmen, Conservation Commission, Recreation Committee, Open Space and Trails Cmte., Elm Square Cmte. Funding: Town, CPA								

Seven Year Action Plan	2020	2021	2022	2023	2024	2025	2026	2027
GOAL 3. Preserve Groveland's natural resources, including rare wildlife and their core habitat as well as open space, scenic vistas, farms, trails, greenways and wildlife corridors and especially land that enhances and buffers existing conservation land.								
Increase town-wide public outreach and educational offerings regarding the protection of rare wildlife and endangered species in town. Responsible Party: Conservation Funding: Town, Grants								
Explore ways in which land can be acquired and protected without direct purchase by the Town. Responsible Party: Conservation, CPC, Trails and Open Space Committee, Essex County Greenbelt Funding: Town, CPA								
Identify and, when possible, acquire parcels of value that abut existing protected open space. Responsible Party: Conservation, CPC, Trails and Open Space Committee, Essex County Greenbelt Funding: Town, CPA								
Connect open space parcels through a network of trails. • *Develop town-wide trails map* Responsible Party: Conservation, CPC, Trails and Open Space Committee Funding: Town, CPA, volunteer hours								
Develop temporary and permanent off-road/on-road Community Trail art. Responsible Party: Trails and Open Space Committee, Cultural Council, Essex Community Arts Foundation Funding: Town, volunteer hours								

Seven Year Action Plan	2020	2021	2022	2023	2024	2025	2026	2027
GOAL 4. Enhance recreational opportunities by protecting existing recreational land and acquiring additional land to meet increased demand due to projected population growth and to provide desired recreational offerings.								
Develop a formal framework for land management plans and conservation oriented geodatabases that address town-wide and site-specific use, maintenance, and improvement of conservation land. Responsible Party: Conservation, CPC Funding: Town, Grants								
Investigate and explore the creation of a Parks & Recreation Division. • *Organization, operation – a study to look at the benefits and drawbacks* Responsible Party: Board of Selectmen, Highway, Recreation Committee Funding: Town								
Maximize the use of current facilities. • *Establish a current town-wide parks and recreation capital improvements plan.* • *Monitor grant opportunities for upgrades/improvements.* Responsible Party: Board of Selectmen, Trails and Open Space Committee, Recreation Committee Funding: Town, Grants								
Explore the creation of recreational fields at Strawberry Fields Responsible Party: Board of Selectmen, Recreation Committee Funding: Town								

Seven Year Action Plan	2020	2021	2022	2023	2024	2025	2026	2027
Explore option to re-create the use of Mill Pond as a public swimming location. Responsible Party: Conservation, Trails and Open Space Committee, Recreation Committee Funding: Town								
Look for opportunities to expand programs to promote local agriculture and community gardens. Responsible Party: Planning, Council on Aging, Essex Agricultural & Technical School Funding: Town, volunteer hours								
Create a local Farmers Market. Responsible Party: Planning, Conservation Funding: Town, volunteer hours								
Develop diverse programs for people of all ages and abilities. Responsible Party: Trails and Open Space Committee, Recreation Committee, Council on Aging Funding: Town								
Plan and construct improvements that will provide access to programs and facilities for residents with disabilities, using ADA and MA AAB standards • *Expand on the Evaluation Plan and Transition Plan completed for Veasey Park to examine all public facilities in Town* Responsible Party: Planning, Trails and Open Space Committee, Recreation Committee, Council on Aging Funding: Town, Grants								
Improve wayfinding signage and access to conservation and recreation areas. Responsible Party: Conservations, Trails and Open Space Committee Funding: Town, CPA, Grants								

APPENDIX A

Groveland Residents

Groveland Open Space and Recreation Plan Community Needs Survey

The Groveland Open Space and Trails Committee is updating the Open Space & Recreation Plan for the Town of Groveland. The plan will include an inventory and assessment of all the open space and recreational resources in Groveland. It will make recommendations on management and acquisition of open space in the future based on the needs and desires of the community. The recommendations will be in the form of a five-year plan with specific goals and objectives. With an approved, up to date plan in place, Groveland will become eligible for state and federal grants for open space acquisition and protection. A community survey is required in order to update our current plan.

An important part of the planning process is the assessment of community needs and concerns. This survey has been prepared to help us gather that information. Please answer all of the applicable questions. We ask that you return the completed survey to one of the following locations where arrangements have been made for collection:

- Treasures Office, Council on Aging Office, Planning Office at Town Hall- 183 Main Street

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1) Do you consider Groveland:
   (select all that apply)
   ☐ a rural town
   ☐ a suburb of Haverhill
   ☐ a suburb of Boston
   ☐ a bedroom community

2) How important is it to you to preserve:
   (1= not important, 2= not very important, 3=neutral, 4=somewhat important, 5= very important)

…buildings of historical or architectural interest	1	2	3	4	5
…places of historical interest	1	2	3	4	5
…farmland	1	2	3	4	5
…open space for conservation purposes	1	2	3	4	5
… open space for recreational purposes	1	2	3	4	5

3) To preserve open space in town, would you:
   (select all that apply)
   ☐ contribute some land to the town
   ☐ sell land to the town at a below market price
   ☐ sell or contribute a conservation easement to prevent development on your land
   ☐ sell some land to the town at market value
   ☐ vote to support land acquisition by the town

4) What residential growth policy do you favor for the town?
(select all that apply)
☐ no growth
☐ growth evenly spread throughout the town
☐ encourage growth in areas of already existing development
☐ encourage growth in undeveloped areas
☐ encourage individual houses vs. subdivisions
☐ encourage subdivisions

5) What policy towards business and industrial growth do you favor for the town?
(select all that apply)
☐ no growth
☐ growth evenly spread throughout town
☐ encourage growth in areas of already existing development
☐ encourage growth in undeveloped areas

6) What kind of businesses would you like to see in Groveland?
(select all that apply)
☐ agriculture
☐ grocery/food
☐ light industry
☐ sports/golf
☐ retail stores
☐ offices
☐ other _____

7) Which of the following are you in favor of?
(select all that apply)
☐ acquisitions of conservation restrictions
☐ extending town sewers to promote development
☐ increased commercial development
☐ increased industrial development
☐ regulating housing development

8) Do you favor preserving farmland? ☐Yes ☐No ☐No Opinion

9) What actions do you favor to preserve farmland?
(select all that apply)
☐ receipt of conservation restrictions
☐ town purchase of land
☐ zoning for open space preservation

☐ mandatory dedication of farmland by developers
☐ property tax reduction for farmland
☐ purchase of development rights
☐ other _____

10) How satisfied are you with:
(1= not satisfied, 2= not very satisfied, 3=neutral, 4=somewhat satisfied, 5= very satisfied)

…recreation places for young children	1	2	3	4	5
…recreation places for youths	1	2	3	4	5
…recreation places for adults	1	2	3	4	5
…recreation places for the elderly	1	2	3	4	5

11) Please check off the top five recreation facilities you feel are needed.
☐ bike trails
☐ conservation areas
☐ children play areas
☐ sports fields
☐ golf course
☐ hiking and skiing trails
☐ ice skating area
☐ large multi-use park
☐ local neighborhood parks
☐ outdoor performance space
☐ family picnic areas
☐ improved river access
☐ indoor recreation facilities
☐ swimming pool
☐ tennis courts
☐ swimming beach
☐ other _____

12) Which should the town consider the top priority:
☐ maintain current recreation and conservation areas
☐ acquire additional land for open space
☐ build additional recreational facilities
☐ place equal emphasis on each

13) How important is it to you for the town to acquire and preserve open space for conservation and recreation?
(1= not important, 2= not very important, 3=neutral, 4=somewhat important, 5= very important)

1 2 3 4 5

14) Is there an area or specific property which you feel the town should make an effort to acquire and protect as open space?
☐ Yes ☐ No If yes, name/description _____

15) What actions do you favor for the protection of land for conservation and recreation? *(select all that apply)*
☐ no action
☐ purchase of land with town funds
☐ purchase of land with state grants
☐ purchase of development rights
☐ partial development
☐ zoning or bylaw changes

16) What do you like best about living in Groveland?

_____

_____

17) What do you least like about living in Groveland?

_____

_____

In order to help us interpret our results, please answer these final questions.

18) How long have you been a resident of Groveland?
☐ less than 5 years
☐ 5-10 years
☐ 10-20 years
☐ more than 20 years

19) Which best describes your current living situation.
☐ single parent – children at home
☐ single young adult – living alone
☐ single young adult – living with others
☐ young adult couple – no children
☐ young family with young children
☐ family – grown children no longer home
☐ family with older children
☐ senior couple or family
☐ senior living alone
☐ other

Please add your comments on open space and recreational planning and what you would like to see done in the future. The results of this survey will be part of the Open Space and Recreation Plan. Thank you for your participation.

_____

_____

_____

APPENDIX B

Do you consider Groveland:	How important is it to you to preserve building of historical or architectural interest?	How important is it to you to preserve places of historical interest?	How important is it to you to preserve farmland?	How important is it to you to preserve open space for conservation purposes?	How important is it to you to preserve open space for recreational purposes?	What residential growth policy do you favor for the town?	What policy towards business and industrial growth do you favor for the town?	What kind of businesses would you like to see in Groveland?	Which of the following are you in favor of?	Do you favor preserving farmland	What actions do you favor to preserve farmland?	How satisfied are you with recreation places for young children?	How satisfied are you with recreation places for youths?	How satisfied are you with recreation places for adults?	How satisfied are you with recreation places for the elderly?	Please check off the top five recreation facilities you feel are needed	Which should the town consider the top priority:	How important is it to you for the town to acquire and preserve open space for conservation and recreation?	Is there an area or specific property which you feel the town should make an effort to acquire and protect as	What actions do you favor for the protection of land for conservation and recreation?	What do you like best about living in Groveland?	What do you like least about living in Groveland?	How long have you been a resident of Groveland?	Which best describes your current living situation.
a bedroom community	somewhat important	somewhat important	somewhat important	somewhat important	very important	growth evenly spread throughout town;encourage growth in areas of already existing developmen t;encourage growth in	encourage growth in areas of existing developmen t;encourage growth in undeveloped areas	agriculture;grocery/food;retail stores;offices	extending town sewers to promote developmen t;increased commercial developmen t	No	property tax reduction for farmland	somewhat satisfied	somewhat satisfied	not very satisfied	not very satisfied	bike trails;children play areas;hiking and skiing trails;large multi-use park;local neighborhood parks;improved river	maintain current recreation and conservation areas	somewhat important	I don't think we need to acquire more but maintaining /improving for rec purposes what we currently have would be great.	no action;purchase of development rights	Nice community.	It's boring and there's nothing here. I love the outside space we have, love the idea of a rail trail but would also like to see the center	5-10 years	young family with young children
a rural town	somewhat important	somewhat important	somewhat important	somewhat important	neutral	encourage individual houses vs. subdivisions	encourage growth in areas of existing developmen t	grocery/food;retail stores;in the downtown area I would like to see more retail type businessess. It would be nice to have something	regulating housing developmen t	No opinion	no opinion	not very satisfied	not very satisfied	neutral	neutral	bike trails;hiking and skiing trails;swimming pool	build additinoal recreational facilities	somewhat important	no but do something with strawberry field	purchase of land with state grants	the small town feel was great for raising my kids	access to good retail options is awful	more than 20 years	family with older children
a rural town	somewhat important	somewhat important	neutral	very important	very important	growth evenly spread throughout town	growth evenly spread throughout town	grocery/food;sports/golf;retail stores	extending town sewers to promote developmen t;increased commercial developmen t	Yes	town purchase of land;zoning for open space preservation	somewhat satisfied	somewhat satisfied	not satsfied	not satsfied	bike trails;children play areas;improved river access;swimming pool;swimming beach	place equal emphasis on each	very important	none	purchase of land with town funds;purchase of land with state grants;zoning or bylaw changes	small town feel	Lack of amenities - commercial and recreational	less than 5 years	young family with young children
a bedroom community	somewhat important	somewhat important	neutral	somewhat important	somewhat important	growth evenly spread throughout town	encourage growth in areas of existing developmen t	light industry;retail stores;offices	acquisitions of conservation restrictions;increased commercial developmen t	Yes	receipt of conservation restrictions; zoning for open space preservation	not satsfied	not satsfied	not satsfied	not satsfied	conservation areas;childr en play areas;large multi-use park;local neighborhood parks;improved river access	place equal emphasis on each	somewhat important	Remaining land owned by Archdiocese, Center St, St Patricks	purchase of land with town funds;purchase of land with state grants	I like living in a â€œsmallâ€ town	Excessive cost of government for the size of our town	more than 20 years	senior couple or family
a rural town	not important	not important	not important	neutral	not important	growth evenly spread throughout town;encourage growth in areas of already existing developmen t;encourage growth in	growth evenly spread throughout town;encourage growth in areas of existing developmen t;encourage growth in undeveloped	grocery/food;light industry;retail stores	acquisitions of conservation restrictions; extending town sewers to promote developmen t;increased commercial developmen t	No	purchase of development rights	very satisfied	very satisfied	not satsfied	not satsfied	improved river access;indoor recreation facilities;swimming pool;swimming beach	place equal emphasis on each	not important	No	purchase of land with state grants	the community	No diversity	more than 20 years	Multigenerational living

a bedroom community	somewhat important	somewhat important	somewhat important	somewhat important	somewhat important	encourage subdivisions	encourage growth in areas of existing development	light industry;offices	increased commercial development;increased industrial development;regulating housing development	No opinion	property tax reduction for farmland	not very satisfied	somewhat satisfied	neutral	not very satisfied	children play areas;hiking and skiing trails;family picnic areas;improved river access;indoor recreation facilities	build additinoal recreational facilities	somewhat important	TOP OF THE HILL ON KING ST	purchase of land with state grants	QUIET LIFE, FRIENDLY PEOPLE	SMALL TOWN POLITICS	more than 20 years	senior couple or family
a rural town	somewhat important	somewhat important	very important	very important	very important	no growth	growth evenly spread throughout town	agriculture;grocery/food	acquisitions of conservation restrictions; extending town sewers to promote development	Yes	receipt of conservation restrictions; town purchase of land;zoning for open space preservation;mandatory dedication	not very satisfied	not very satisfied	not satsfied	very satisfied	children play areas;hiking and skiing trails;local neighborhood parks;swimming beach	maintain current recreation and conservation areas	very important	Na	purchase of land with state grants	Safety		less than 5 years	young family with young children
a rural town	very important	somewhat important	very important	very important	very important	encourage individual houses vs. subdivisions	encourage growth in areas of existing development	agriculture;grocery/food;light industry;offices	increased commercial development;regulating housing development	Yes	zoning for open space preservation;mandatory dedication of farmland by developers; property tax reduction for farmland	neutral	neutral	neutral	neutral	bike trails;sports fields;hiking and skiing trails;large multi-use park;swimming pool	place equal emphasis on each	somewhat important	No	purchase of land with town funds;purchase of land with state grants;zoning bylaw changes	The safety and â€œcountry â€ feel		less than 5 years	single parent - children at home
a rural town	somewhat important	somewhat important	somewhat important	somewhat important	somewhat important	growth evenly spread throughout town	growth evenly spread throughout town	agriculture;light industry	acquisitions of conservation restrictions; regulating housing development	Yes	receipt of conservation restrictions; zoning for open space preservation	somewhat satisfied	somewhat satisfied	somewhat satisfied	neutral	bike trails;conservation areas;hiking and skiing trails;swimming pool;splash pad for kids	maintain current recreation and conservation areas	somewhat important	No	purchase of land with state grants	The rural feel but still close enough to food/shopping.	The condition of the roads!	5-10 years	family with older children
a suburb of Boston	very important	very important	very important	very important	very important	growth evenly spread throughout town;encourage individual houses vs. subdivisions	growth evenly spread throughout town	agriculture;sports/golf;retail stores	acquisitions of conservation restrictions;increased commercial development;regulating housing development	Yes	receipt of conservation restrictions; town purchase of land;zoning for open space preservation	neutral	neutral	not satsfied	neutral	conservation areas;sports fields;local neighborhood parks;improved river access	acquire additional land for open space	very important	any prperty surrounding Johnsons Pond or Mill Pond	purchase of land with state grants	The smallness of the Town and the rural feel.	Sometimes the Town is too small with little to no commercial development to help with the tax base.	10-20 years	family with older children
a rural town	neutral	somewhat important	somewhat important	very important	very important	no growth;encourage individual houses vs. subdivisions	encourage growth in areas of existing development	agriculture;sports/golf	acquisitions of conservation restrictions; regulating housing development	No opinion	receipt of conservation restrictions	not very satisfied	not very satisfied	not very satisfied	not very satisfied	bike trails;children play areas;sports fields;hiking and skiing trails;swimming pool	place equal emphasis on each	very important	No	purchase of land with state grants	Small, family community	Not enough recreational resources for kids	10-20 years	young family with young children

a rural town	somewhat important	somewhat important	somewhat important	very important	very important	encourage individual houses vs. subdivisions	encourage growth in areas of existing development	grocery/food	extending town sewers to promote development	No opinion	purchase of development rights	somewhat satisfied	somewhat satisfied	somewhat satisfied	somewhat satisfied	children play areas;hiking and skiing trails;ice skating area;improved river access;swimming pool	place equal emphasis on each	somewhat important	No	partial development	Rural feel	Community feel	5-10 years	young family with young children
a suburb of Boston	very important	very important	very important	very important	very important	encourage growth in areas of already existing development;encourage growth in undeveloped areas;encourage	growth evenly spread throughout town	grocery/food;retail stores;restaurants	acquisitions of conservation restrictions; extending town sewers to promote development;increased commercial	Yes	I don't know	not very satisfied	not very satisfied	not very satisfied	neutral	children play areas;large multi-use park;local neighborhood parks;family picnic areas;indoor recreation facilities	place equal emphasis on each	very important	N/A	purchase of land with state grants	Small town that is safe	Lack of restaurants & stores	less than 5 years	young family with young children
a rural town	very important	somewhat important	very important	very important	very important	encourage growth in areas of already existing development	encourage growth in areas of existing development	agriculture;grocery/food;Small professional offices	extending town sewers to promote development;regulating housing development	Yes	receipt of conservation restrictions; zoning for open space preservation;mandatory dedication of farmland by developers;	somewhat satisfied	somewhat satisfied	somewhat satisfied	neutral	children play areas;hiking and skiing trails;large multi-use park;local neighborhood parks;family picnic areas	place equal emphasis on each	very important	No	purchase of development rights;zoning or bylaw changes	Small town feel.	Politics	10-20 years	family with older children
a bedroom community	somewhat important	somewhat important	very important	very important	somewhat important	no growth	growth evenly spread throughout town	light industry;sports/golf;offices	acquisitions of conservation restrictions; regulating housing development	Yes	zoning for open space preservation	neutral	not very satisfied	neutral	neutral	bike trails;conservation areas;sports fields;large multi-use park;family picnic areas	maintain current recreation and conservation areas	very important	No	zoning or bylaw changes	Small town	â€”	10-20 years	young family with young children
a suburb of Boston	very important	very important	somewhat important	somewhat important	somewhat important	Cluster housing	encourage growth in areas of existing development	agriculture;light industry	extending town sewers to promote development	Yes	receipt of conservation restrictions	neutral	neutral	neutral	not satsfied	improved river access	maintain current recreation and conservation areas	neutral	Along the river front	purchase of land with state grants	Small town feel	Small services such as library and no senior center senior housing or affordable housing	more than 20 years	family with older children
a suburb of Haverhill	somewhat important	somewhat important	somewhat important	very important	very important	encourage individual houses vs. subdivisions	encourage growth in areas of existing development	grocery/food;sports/golf;offices	increased commercial development;regulating housing development	Yes	receipt of conservation restrictions; zoning for open space preservation	neutral	neutral	neutral	neutral	bike trails;children play areas;sports fields;hiking and skiing trails;improved river access;swimming beach	maintain current recreation and conservation areas	somewhat important	Just wish would use spaces we have	purchase of land with state grants	I love the small town.	Politics. People need to respect everyone	10-20 years	young family with young children

a rural town	somewhat important	very important	somewhat important	somewhat important	very important	encourage individual houses vs. subdivisions	encourage growth in areas of existing development	agriculture;light industry	extending town sewers to promote development	Yes	mandatory dedication of farmland by developers	not very satisfied	neutral	neutral	not satsfied	conservation areas;childr en play areas;hiking and skiing trails;large multi-use park;local neighborhood parks;impro	maintain current recreation and conservation areas	neutral	Do something with Strawberry Field	purchase of land with state grants	Small town	No centralized recreation department	more than 20 years	family with older children
a rural town	very important	very important	very important	very important	very important	no growth;encourage growth in areas of already existing development	no growth	agriculture	acquisitions of conservation restrictions; regulating housing development	Yes	town purchase of land;zoning for open space preservation;property tax reduction for farmland	very satisfied	somewhat satisfied	very satisfied	somewhat satisfied	bike trails;conservation areas;childr en play areas;ice skating area;improved river access	maintain current recreation and conservation areas	very important	Farm land and open land near Rollins St, King St, 7 Star	purchase of land with town funds;purchase of land with state grants	Community	McMansions	5-10 years	young family with young children
a rural town	neutral	neutral	somewhat important	very important	very important	growth evenly spread throughout town	encourage growth in areas of existing development	agriculture;grocery/food;retail stores	extending town sewers to promote development;regulating housing development	Yes	town purchase of land;zoning for open space preservation	not very satisfied	not very satisfied	neutral	neutral	bike trails;large multi-use park;local neighborhood parks;indoor recreation facilities;swimming beach	place equal emphasis on each	very important	Strawberry Fields off Center Street	purchase of land with town funds;purchase of land with state grants	the growing community feel	lake of development of town facilities and outdoor recreational spaces	10-20 years	young family with young children
a rural town	not very important	not very important	not very important	not very important	very important	encourage individual houses vs. subdivisions	growth evenly spread throughout town;encourage growth in areas of existing development	grocery/food;retail stores	extending town sewers to promote development;increased commercial development	No opinion	town purchase of land	not satsfied	not satsfied	not very satisfied	not very satisfied	bike trails;children play areas;hiking and skiing trails;local neighborhood parks;improved river access	acquire additional land for open space	somewhat important	N/A	partial development	The rural feeling	The lack of access to shops, restaurants and walking spaces (including properly maintained side walks)	less than 5 years	young family with young children
a rural town	somewhat important	somewhat important	very important	somewhat important	very important	no growth	no growth	agriculture	regulating housing development	Yes	property tax reduction for farmland	not very satisfied	neutral	not very satisfied	neutral	bike trails;children play areas;hiking and skiing trails;local neighborhood parks;indoor recreation facilities	build additional recreational facilities	somewhat important	No	purchase of land with state grants	Small tow	Small town politics at times	5-10 years	young family with young children
a rural town	very important	very important	very important	very important	very important	no growth;encourage growth in areas of already existing development	no growth	agriculture	acquisitions of conservation restrictions; regulating housing development	Yes	town purchase of land;zoning for open space preservation;property tax reduction for farmland	very satisfied	somewhat satisfied	very satisfied	somewhat satisfied	bike trails;conservation areas;childr en play areas;ice skating area;improved river access	maintain current recreation and conservation areas	very important	Farm land and open land near Rollins St, King St, 7 Star	purchase of land with town funds;purchase of land with state grants	Community	McMansions	5-10 years	young family with young children

a rural town	very important	very important	very important	very important	very important	no growth;encourage growth in areas of already existing development	no growth	agriculture	acquisitions of conservation restrictions	Yes	town purchase of land;zoning for open space preservation;property tax reduction for farmland	very satisfied	somewhat satisfied	somewhat satisfied	somewhat satisfied	bike trails;conservation areas;children play areas;improved river access;indoor recreation facilities	maintain current recreation and conservation areas	very important	Open land by king st, rollins st, 7 star	purchase of land with town funds;purchase of land with state grants	Community	McMansions	5-10 years	young family with young children
a rural town	somewhat important	somewhat important	very important	very important	very important	encourage individual houses vs. subdivisions	encourage growth in areas of existing development	agriculture;light industry	acquisitions of conservation restrictions;increased commercial development	Yes	receipt of conservation restrictions; zoning for open space preservation;property tax reduction for farmland	neutral	neutral	not very satisfied	neutral	bike trails;conservation areas;hiking and skiing trails;local neighborhood parks;improved river access	place equal emphasis on each	very important	No	purchase of land with state grants;zoning or bylaw changes	Smaller town but close to three major highways	Not much for adult recreation outdoors	less than 5 years	young adult couple - no children
a rural town	somewhat important	very important	very important	very important	very important	no growth	encourage growth in areas of existing development	agriculture;grocery/food ;light industry	acquisitions of conservation restrictions; regulating housing development	Yes	receipt of conservation restrictions; town purchase of land;property tax reduction for farmland	neutral	neutral	not very satisfied	not very satisfied	bike trails;conservation areas;hiking and skiing trails;family picnic areas;improved river access	place equal emphasis on each	very important	Yes, the wooded area of Salem Street from #873 to the intersection of School St.	purchase of land with town funds;purchase of land with state grants;purchase of development rights;zoning bylaw	The rural/country feel, the beautiful wooded areas and the wildlife.	The developers that cut down trees, rip up the landscape and scare away the wildlife. Stop building new houses; The extreme anti business mentality. It would be so nice to have nice local businesses or a breakfast place that isnâ€™t	less than 5 years	young adult couple - no children
a suburb of Boston	somewhat important	somewhat important	somewhat important	somewhat important	very important	growth evenly spread throughout town;encourage growth in areas of already existing development;encourage growth in	growth evenly spread throughout town;encourage growth in areas of existing development	grocery/food;light industry;retail stores	extending town sewers to promote development;increased commercial development;increased industrial development	No opinion	zoning for open space preservation	not satsfied	not satsfied	not satsfied	not satsfied	children play areas;hiking and skiing trails;large multi-use park;local neighborhood parks;improved river access	build additional recreational facilities	somewhat important	Veasey	purchase of land with state grants	Safe town, close to fun areas		less than 5 years	young family with young children
a rural town	somewhat important	somewhat important	very important	very important	somewhat important	encourage growth in areas of already existing development;encourage individual houses vs. subdivisions	encourage growth in areas of existing development	agriculture;retail stores	acquisitions of conservation restrictions; regulating housing development	Yes	receipt of conservation restrictions; zoning for open space preservation;mandatory dedication of farmland by developers;	not satsfied	not very satisfied	neutral	neutral	children play areas;hiking and skiing trails;ice skating area	maintain current recreation and conservation areas	somewhat important	Protect wood street and 7 star agriculture lots from subdivision	purchase of land with state grants;zoning bylaw changes	Small town feel with natural spaces intact	Lack of thriving downtown businesses; many shuttered buildings	5-10 years	young family with young children
a rural town	very important	very important	very important	neutral	neutral	encourage individual houses vs. subdivisions	encourage growth in areas of existing development	grocery/food;light industry;retail stores;offices	regulating housing development	Yes	property tax reduction for farmland	somewhat satisfied	neutral	neutral	neutral	bike trails;conservation areas;family picnic areas;improved river access	maintain current recreation and conservation areas	neutral	No. Maintain existing. Like Mill pond area	no action	Small town community	Abandoned buildings Washington st, unused pump station, old water dept building should be preserved itâ€™s part of	more than 20 years	family with older children

a rural town;a suburb of Haverhill;a bedroom community	somewhat important	somewhat important	somewhat important	somewhat important	somewhat important	growth evenly spread throughout town;encourage growth in undeveloped areas	growth evenly spread throughout town;encourage growth in undeveloped areas	agriculture;grocery/food ;light industry;sports/golf;retail stores	extending town sewers to promote development;increased commercial development;increased industrial development	Yes	town purchase of land;zoning for open space preservation;mandatory dedication of farmland by developers; property tax	not very satisfied	not very satisfied	not very satisfied	somewhat satisfied	bike trails;children play areas;sports fields;local neighborhood parks;improved river access;indoor recreation	build additional recreational facilities	somewhat important	areas near the Merrimack River	purchase of land with town funds;purchase of land with state grants	Small town feeling	Poor condition of roads and water. Tension and disagreements within town boards.	more than 20 years	senior couple or family
a rural town	not very important	not very important	somewhat important	somewhat important	somewhat important	encourage growth in areas of already existing development	encourage growth in areas of existing development	agriculture;grocery/food ;Recreation area for kids/ families, pool, ice skating etc in a strawberry fields	regulating housing development	Yes	mandatory dedication of farmland by developers; property tax reduction for farmland	not satsfied	somewhat satisfied	not satsfied	not satsfied	bike trails;children play areas;ice skating area;swimming pool;Elderly housing	build additional recreational facilities	neutral	No more open spaces	purchase of land with state grants	Low crime	Must leave town to do almost anything except eat pizza and play soccer	10-20 years	3 generations
a rural town	very important	very important	very important	very important	somewhat important	encourage growth in areas of already existing development	encourage growth in areas of existing development	agriculture	regulating housing development	Yes	property tax reduction for farmland	somewhat satisfied	somewhat satisfied	somewhat satisfied	neutral	bike trails;conservation areas;hiking and skiing trails;local neighborhood parks;family picnic areas	maintain current recreation and conservation areas	very important	No	zoning or bylaw changes	Small town feel	Development	more than 20 years	young family with young children
a rural town	neutral	neutral	very important	very important	very important	encourage individual houses vs. subdivisions	growth evenly spread throughout town	sports/golf;retail stores	regulating housing development	Yes	zoning for open space preservation	not satsfied	not satsfied	neutral	not satsfied	bike trails;sports fields;hiking and skiing trails;large multi-use park;indoor recreation facilities	build additional recreational facilities	very important	Unsure	purchase of land with state grants	Great town to raise children	No place for children to hang out	more than 20 years	Older family with grandson in the home
a suburb of Haverhill	not very important	neutral	not very important	neutral	neutral	growth evenly spread throughout town	encourage growth in areas of existing development	agriculture;light industry;sports/golf;offices	increased commercial development	No	purchase of development rights	very satisfied	very satisfied	very satisfied	very satisfied	hiking and skiing trails;improved river access	maintain current recreation and conservation areas	not important	no	no action	Reasonable Taxes		5-10 years	family with older children
a rural town	somewhat important	somewhat important	very important	very important	somewhat important	growth evenly spread throughout town	growth evenly spread throughout town	agriculture; offices	regulating housing development	Yes	receipt of conservation restrictions; zoning for open space preservation	somewhat satisfied	somewhat satisfied	not very satisfied	neutral	conservation areas;hiking and skiing trails;family picnic areas;improved river access	acquire additional land for open space	very important	N/A	purchase of land with state grants;zoning or bylaw changes	Love the small town atmosphere and the local outdoor space	To many houses being built	5-10 years	family with older children

a suburb of Boston	somewhat important	very important	neutral	somewhat important	somewhat important	encourage growth in areas of already existing developmen t;encourage individual houses vs. subdivisions	encourage growth in areas of existing developmen t	sports/golf;r etail stores;office s	acquisitions of conservatio n restrictions;i ncreased commercial developmen t;regulating housing developmen t	No opinion	town purchase of land receipt of conservatio n	very satisfied	somewhat satisfied	somewhat satisfied	very satisfied	bike trails;golf course;famil y picnic areas;impro ved river access;indo or recreation facilities	place equal emphasis on each	very important	N/A	purchase of land with town funds;purch ase of land with state grants	Small town feel, quite, safe, no heavy traffic.	No indoor rec. space or YMCA with gym or basketball court	less than 5 years	young adult couple - no children
a rural town	somewhat important	somewhat important	somewhat important	very important	very important	encourage individual houses vs. subdivisions	encourage growth in areas of existing developmen t	agriculture;g rocery/food ;sports/golf; retail stores	acquisitions of conservatio n restrictions; regulating housing developmen t	Yes	restrictions; zoning for open space preservatio n;property tax reduction for farmland	not satsfied	not satsfied	not satsfied	not satsfied	bike trails;conser vation areas;sports fields;impro ved river access;tenni s courts	build additional recreational facilities	very important	strawberry fields	purchase of land with town funds;purch ase of land with state grants;purc hase of developmen t rights;partia l	Rural town with convenience s nearby	Town mismanage ment of open space and recreational resources	10-20 years	young family with young children
a rural town;a bedroom community	neutral	somewhat important	neutral	not very important	neutral	growth evenly spread throughout town	encourage growth in undevelope d areas	light industry	extending town sewers to promote developmen t;increased commercial developmen t;increased industrial developmen t	No opinion	property tax reduction for farmland	not very satisfied	somewhat satisfied	neutral	neutral	children play areas;sports fields;large multi-use park;improv ed river access;swim ming pool	maintain current recreation and conservatio n areas	not very important	Not sure	purchase of land with state grants	Hopefully a good school system	Politcs	more than 20 years	family with older children
a rural town	very important	very important	very important	very important	very important	encourage growth in areas of already existing developmen t;encourage individual houses vs. subdivisions ;encourage subdivisions	encourage growth in areas of existing developmen t	agriculture;g rocery/food ;sports/golf; retail stores	acquisitions of conservatio n restrictions;i ncreased commercial developmen t	Yes	receipt of conservatio n restrictions; zoning for open space preservatio n;property tax reduction for farmland	somewhat satisfied	somewhat satisfied	neutral	neutral	conservatio n areas;childr en play areas;large multi-use park;family picnic areas;swim ming pool	place equal emphasis on each	somewhat important	No	purchase of land with town funds;purch ase of land with state grants;parti al developmen t;zoning or bylaw changes	Rural environmen t	Distance from amenities	5-10 years	young family with young children
a rural town	not important	not important	very important	very important	very important	no growth	no growth	agriculture	acquisitions of conservatio n restrictions	Yes	receipt of conservatio n restrictions; town purchase of land;zoning for open space preservatio n;property tax	neutral	neutral	not satsfied	not satsfied	bike trails;conser vation areas;hiking and skiing trails;large multi-use park;local neighborho od parks	place equal emphasis on each	very important	Do not know	purchase of land with town funds;purch ase of land with state grants	Not too much developmen t	Increasing taxes	5-10 years	family with older children
a suburb of Boston	very important	very important	somewhat important	very important	very important	growth evenly spread throughout town	growth evenly spread throughout town	agriculture;li ght industry;offi ces	increased commercial developmen t;regulating housing developmen t	Yes	zoning for open space preservatio n	somewhat satisfied	somewhat satisfied	somewhat satisfied	neutral	bike trails;childre n play areas;family picnic areas;impro ved river access;indo or recreation facilities	maintain current recreation and conservatio n areas	somewhat important	Not that lâ€™m familiar with.	purchase of land with state grants;zonin g or bylaw changes	Good place to raise children	Politics	more than 20 years	family with older children

a rural town;a bedroom community	very important	very important	very important	very important	very important	no growth;encourage growth in areas of already existing development	encourage growth in areas of existing development	agriculture;light industry	regulating housing development	Yes	receipt of conservation restrictions; town purchase of land;zoning for open space preservation;mandatory dedication	very satisfied	very satisfied	somewhat satisfied	neutral	bike trails;conservation areas;sports fields;family picnic areas;improved river access	acquire additional land for open space	very important	Any open land space not developed	purchase of land with town funds;purchase of land with state grants;zoning or bylaw changes	its open space and rural feel	It is becoming over crowded with too many sub-divisions. Considering moving if it gets worse	5-10 years	young family with young children
a rural town	somewhat important	neutral	very important	not important	not important	no growth	growth evenly spread throughout town	light industry	regulating housing development	No	Don't Touch It.	neutral	neutral	neutral	not satsfied	Stop Wasting Tax Payers Money	maintain current recreation and conservation areas	not important	No	no action	Quite Town	Wasted Money Spent	more than 20 years	senior living alone
a suburb of Haverhill	neutral	neutral	somewhat important	somewhat important	somewhat important	no growth	growth evenly spread throughout town	sports/golf	acquisitions of conservation restrictions; regulating housing development	Yes	zoning for open space preservation	neutral	neutral	neutral	neutral	conservation areas;family picnic areas;improved river access;swimming pool;swimming beach	place equal emphasis on each	somewhat important	I dont know	zoning or bylaw changes	Close enough to necessities, but far enough to feel quiet and peaceful		less than 5 years	family with older children
a rural town	very important	very important	very important	very important	very important	growth evenly spread throughout town	encourage growth in areas of existing development	retail stores	regulating housing development	Yes	zoning for open space preservation	very satisfied	very satisfied	very satisfied	very satisfied	bike trails;conservation areas;hiking and skiing trails;family picnic areas;improved river access	place equal emphasis on each	very important	Strawberry field	purchase of development rights	It's quite		less than 5 years	family with older children
a suburb of Haverhill	very important	very important	very important	somewhat important	somewhat important	encourage growth in undeveloped areas	growth evenly spread throughout town	grocery/food;light industry;retail stores;offices	increased commercial development;increased industrial development	Yes	mandatory dedication of farmland by developers	neutral	not very satisfied	not very satisfied	not very satisfied	hiking and skiing trails;ice skating area;improved river access;indoor recreation facilities;swimming beach	build additional recreational facilities	somewhat important	No	no action	I enjoy living in a town verses a city.	The powers are not business friendly and our little center of town has too many empty buildings	5-10 years	family with older children
a rural town	very important	very important	very important	very important	very important	no growth	no growth	offices	acquisitions of conservation restrictions	Yes	town purchase of land	very satisfied	neutral	very satisfied	very satisfied	bike trails;ice skating area;local neighborhood parks;indoor recreation facilities;swimming pool	acquire additional land for open space	very important	Tear down that ugly building on Washington St	purchase of land with state grants	Small town living	The ugly building on Washington St	more than 20 years	single parent - children at home

a rural town	very important	very important	very important	very important	very important	growth evenly spread throughout town;encourage individual houses vs. subdivisions	growth evenly spread throughout town	agriculture;grocery/food;light industry;sports/golf;retail stores;offices	acquisitions of conservation restrictions	Yes	receipt of conservation restrictions; zoning for open space preservation	neutral	neutral	neutral	neutral	bike trails;children play areas;hiking and skiing trails;local neighborhood parks;family picnic areas;swimming beach	place equal emphasis on each	very important	NA	purchase of land with state grants;zoning bylaw changes	Small quaint town!		less than 5 years	young family with young children
a rural town	somewhat important	somewhat important	very important	very important	very important	growth evenly spread throughout town	growth evenly spread throughout town	agriculture;grocery/food;sports/golf;retail stores	increased commercial development;regulating housing development	Yes	zoning for open space preservation	neutral	not very satisfied	not very satisfied	not very satisfied	bike trails;conservation areas;children play areas;hiking and skiing trails;ice skating area;large multi-use park;local	build additional recreational facilities	very important	The open land on center street have it become a recreational area for families	purchase of land with state grants	Great location near the beach skiing and a nice family town	Not too many outdoor areas I can the kids. Would love to see the town. Center enhanced a little	5-10 years	young family with young children
a rural town	somewhat important	somewhat important	somewhat important	neutral	very important	growth evenly spread throughout town;encourage growth in areas of already existing development;encourage individual	growth evenly spread throughout town;encourage growth in areas of existing development	agriculture;grocery/food;retail stores;offices	acquisitions of conservation restrictions; extending town sewers to promote development;increased commercial	Yes	receipt of conservation restrictions; town purchase of land;zoning for open space preservation	neutral	not very satisfied	not very satisfied	not very satisfied	bike trails;children play areas;hiking and skiing trails;large multi-use park;tennis courts	build additional recreational facilities	somewhat important	NA	purchase of land with town funds;purchase of land with state grants	Small town feel with a lot of green space and an active community/ school system.	Not enough outdoor activities during winter or summer.	5-10 years	young family with young children
a rural town	somewhat important	somewhat important	somewhat important	somewhat important	very important	growth evenly spread throughout town	growth evenly spread throughout town	agriculture;grocery/food;sports/golf;retail stores	increased commercial development	No opinion	zoning for open space preservation	somewhat satisfied	neutral	neutral	neutral	bike trails;children play areas;indoor recreation facilities	place equal emphasis on each	somewhat important	On Center Street near Dunnâ€™s	purchase of land with state grants	Small town feel		5-10 years	young family with young children
a rural town;a bedroom community	not important	not important	somewhat important	somewhat important	very important	growth evenly spread throughout town;encourage individual houses vs. subdivisions	encourage growth in areas of existing development	agriculture;grocery/food	increased commercial development;increased industrial development;regulating housing development	Yes	zoning for open space preservation;property tax reduction for farmland	not satsfied	not satsfied	not satsfied	not satsfied	sports fields;large multi-use park;indoor recreation facilities	place equal emphasis on each	somewhat important	Hunters Haven	purchase of land with state grants;purchase of development rights	The people		5-10 years	family with older children
a suburb of Haverhill	somewhat important	somewhat important	neutral	somewhat important	very important	growth evenly spread throughout town	encourage growth in areas of existing development	agriculture;light industry;sports/golf;retail stores	increased commercial development	Yes	receipt of conservation restrictions	somewhat satisfied	not very satisfied	not very satisfied	neutral	children play areas;sports fields;local neighborhood parks;family picnic areas;swimming pool	maintain current recreation and conservation areas	somewhat important	No	purchase of land with state grants	I like the small town feel.	Lack of progress made in town over years.	10-20 years	Family with 1 elementary and 1 high school age children.

a rural town	somewhat important	somewhat important	somewhat important	somewhat important	neutral	growth evenly spread throughout town;encourage individual houses vs. subdivisions	growth evenly spread throughout town	grocery/food;light industry;sports/golf;retail stores;offices	increased commercial development;regulating housing development acquisitions of conservation restrictions; extending town sewers to promote development	No opinion	zoning for open space preservation	somewhat satisfied	somewhat satisfied	somewhat satisfied	neutral	bike trails;hiking and skiing trails;improved river access bike trails;conservation areas;children play areas;hiking and skiing trails;large multi-use park;indoor recreation facilities large multi-use park;family picnic areas;improved river access;indoor recreation facilities;swimming beach	maintain current recreation and conservation areas	neutral	no	purchase of land with state grants;zoning or bylaw changes	small town community where there are good people.	boards run by people with agendas not working together for community	more than 20 years	family with older children
a rural town	somewhat important	very important	very important	very important	very important	encourage growth in areas of already existing development	encourage growth in areas of existing development	grocery/food;light industry	extending town sewers to promote development;increased commercial	Yes	town purchase of land;zoning for open space preservation	neutral	neutral	not very satisfied	very satisfied		place equal emphasis on each	somewhat important	no	zoning or bylaw changes	small town community feel	The town could do more to promote business development. People donâ€™t seem to keep up with the maintenance of their property and it brings the town down, have to drive	less than 5 years	young family with young children
a rural town	neutral	somewhat important	very important	very important	very important	growth evenly spread throughout town;Some restaurants would be nice	growth evenly spread throughout town	agriculture;grocery/food	extending town sewers to promote development	Yes	zoning for open space preservation;property tax reduction for farmland	neutral	neutral	not very satisfied	neutral		place equal emphasis on each	somewhat important	133-97	purchase of land with town funds;purchase of land with state grants	Quiet rural		less than 5 years	young adult couple - no children
a bedroom community	very important	very important	very important	neutral	neutral	growth evenly spread throughout town	no growth	agriculture;grocery/food	acquisitions of conservation restrictions	Yes	zoning for open space preservation	not very satisfied	not very satisfied	not satsfied	neutral	children play areas;hiking and skiing trails;large multi-use park;family picnic areas;indoor recreation facilities	build additional recreational facilities	very important	N/A	purchase of land with town funds	Small/quiet/ safe	Not much to do for children	less than 5 years	young family with young children
a suburb of Haverhill	somewhat important	somewhat important	somewhat important	very important	very important	growth evenly spread throughout town	growth evenly spread throughout town	agriculture;grocery/food;light industry;sports/golf;retail stores;offices;cannabis. it has great tax potential	acquisitions of conservation restrictions; extending town sewers to promote development;increased commercial	No opinion	receipt of conservation restrictions	somewhat satisfied	somewhat satisfied	not very satisfied	neutral	conservation areas;hiking and skiing trails;large multi-use park;indoor recreation facilities;swimming beach	maintain current recreation and conservation areas	somewhat important	not sure	purchase of land with town funds;purchase of land with state grants;purchase of development rights;partial	its small town feel, and laid back environment	the selectmen don't seem to be environmentally inclined and seem to lack understanding on a variety of matters	5-10 years	single parent - children at home
a rural town	somewhat important	very important	very important	very important	very important	no growth	encourage growth in areas of existing development	agriculture;grocery/food;sports/golf;retail stores;offices	increased commercial development;regulating housing development	Yes	zoning for open space preservation;property tax reduction for farmland	not very satisfied	not very satisfied	not very satisfied	not very satisfied	bike trails;golf course;hiking and skiing trails;improved river access;indoor recreation facilities	place equal emphasis on each	very important	Multiple open spaces	purchase of land with town funds;purchase of land with state grants;zoning or bylaw changes	A quiet place to raise a family	Too much housing being built and taking away wooded areas	10-20 years	young family with young children

a rural town	somewhat important	somewhat important	very important	very important	very important	growth evenly spread throughout town	growth evenly spread throughout town	agriculture;grocery/food	acquisitions of conservation restrictions	Yes	town purchase of land	somewhat satisfied	somewhat satisfied	not very satisfied	neutral	bike trails;family picnic areas;improved river access;swimming pool;tennis courts	place equal emphasis on each	neutral	I don't enough about it so it might be totally impossible but I wonder if the polluted business on Washington Street could	purchase of land with town funds;purchase of land with state grants	Not too far from anything I need to do but also quiet.	I would love 1-2 great meeting areas in the line of a really good brewery or family friendly restaurant.	less than 5 years	young family with young children
a rural town	very important	very important	very important	very important	very important	encourage growth in areas of already existing developments;encourage individual houses vs. subdivisions	encourage growth in areas of existing development	agriculture;grocery/food;light industry;retail stores	acquisitions of conservation restrictions; regulating housing development	Yes	town purchase of land;zoning for open space preservation;property tax reduction for farmland	neutral	neutral	somewhat satisfied	neutral	conservation areas;hiking and skiing trails;improved river access	place equal emphasis on each	very important	Any available along the river.	purchase of land with town funds;purchase of land with state grants	Small town	School system	more than 20 years	family - grown children no longer home
a rural town	somewhat important	somewhat important	very important	very important	very important	growth evenly spread throughout town	encourage growth in areas of existing development	agriculture;grocery/food;light industry;retail stores;offices	acquisitions of conservation restrictions;increased commercial development;regulating housing development	Yes	receipt of conservation restrictions; town purchase of land;zoning for open space preservation;mandatory dedication	not satsfied	not satsfied	not very satisfied	neutral	bike trails;conservation areas;childrens play areas;sports fields;hiking and skiing trails	acquire additional land for open space	somewhat important	Bear Hill/ Seven Star	purchase of land with town funds;purchase of land with state grants;purchase of development rights	Everything, only moved here less than year.	less than 5 years	young family with young children
a bedroom community	somewhat important	somewhat important	somewhat important	very important	very important	encourage individual houses vs. subdivisions	growth evenly spread throughout town	agriculture;sports/golf;retail stores	acquisitions of conservation restrictions; regulating housing development	Yes	receipt of conservation restrictions; zoning for open space preservation	not very satisfied	not very satisfied	not very satisfied	neutral	bike trails;conservation areas;hiking and skiing trails;local neighborhood parks;improved river access	place equal emphasis on each	somewhat important	Unknown	zoning or bylaw changes	The amount of protected/undeveloped land	The poor maintenance of the roads	less than 5 years	young family with young children
a bedroom community	very important	very important	very important	very important	very important	encourage growth in areas of already existing developments	encourage growth in areas of existing development	agriculture;grocery/food;light industry;sports/golf;retail stores;offices	acquisitions of conservation restrictions;increased commercial development;increased industrial development;regulating	Yes	receipt of conservation restrictions; zoning for open space preservation;mandatory dedication of farmland by developers;	not very satisfied	not very satisfied	neutral	not very satisfied	bike trails;conservation areas;childrens play areas;golf course;hiking and skiing trails;ice skating area;large multi-use	acquire additional land for open space	very important	Na	purchase of land with state grants;purchase of development rights;zoning or bylaw changes	Small town		more than 20 years	senior couple or family
a rural town	very important	very important	very important	very important	very important	minimal growth	encourage growth in areas of existing development	light industry;offices	acquisitions of conservation restrictions	Yes	receipt of conservation restrictions; town purchase of land;zoning for open space preservation;mandatory dedication	somewhat satisfied	very satisfied	somewhat satisfied	somewhat satisfied	bike trails;conservation areas;hiking and skiing trails;local neighborhood parks;improved river access	acquire additional land for open space	very important	Expand Town Forest	purchase of land with town funds;purchase of land with state grants;purchase of development rights	The rural character	Disregard for protecting our rural character	more than 20 years	family - grown children no longer home

a rural town	very important	somewhat important	neutral	very important	very important	encourage growth in areas of already existing development	growth evenly spread throughout town	light industry;sports/golf	acquisitions of conservation restrictions	No opinion	zoning for open space preservation	not very satisfied	neutral	not very satisfied	not very satisfied	conservation areas;children play areas;hiking and skiing trails;large multi-use park;improved river access	place equal emphasis on each	very important	Undecided	purchase of development rights	Great town to raise kids	Possibility of getting a new school	5-10 years	young family with young children
a bedroom community	very important	very important	somewhat important	very important	neutral	encourage individual houses vs. subdivisions	encourage growth in undeveloped areas	light industry;retail stores;offices	increased commercial development	Yes	no sure	not very satisfied	not very satisfied	somewhat satisfied	somewhat satisfied	bike trails;conservation areas;improved river access;indoor recreation facilities;walking areas/trails with park	build additional recreational facilities	very important	town already owes Perry Park Common - this could be improved.	purchase of land with state grants	it's people and its natural resources/environment	not enough businesses/ shopping, opportunities for small business	10-20 years	family with older children
a bedroom community	very important	very important	very important	very important	neutral	no growth	encourage growth in areas of existing development	agriculture;retail stores;offices	acquisitions of conservation restrictions; regulating housing development	Yes	purchase of land;zoning for open space preservation;mandatory dedication of farmland by developers; property tax	very satisfied	very satisfied	not very satisfied	not satsfied	conservation areas;hiking and skiing trails;indoor recreation facilities;swimming pool;swimming beach	acquire additional land for open space	very important	The property owned by the Billings that is woodsy and runs along the northeastern side of Riverview Cemetery,	purchase of land with town funds;purchase of land with state grants;zoning or bylaw changes	Small town feel	TOO MUCH DEVELOPMENT and the destroying of open land. STOP BUILDING.	more than 20 years	family with older children
a suburb of Boston	very important	very important	very important	not very important	very important	encourage individual houses vs. subdivisions	encourage growth in areas of existing development	agriculture;light industry	increased commercial development	No opinion	property tax reduction for farmland	not very satisfied	not very satisfied	not very satisfied	not satsfied	Place for ATV and dirt bikes	maintain current recreation and conservation areas	not important	I think we have enough â€œopen spaceâ€	no action	Convience to highways	It has lost that small town feel	more than 20 years	family with older children
a rural town	very important	somewhat important	somewhat important	neutral	very important	encourage growth in areas of already existing development	growth evenly spread throughout town	sports/golf;retail stores	regulating housing development	Yes	mandatory dedication of farmland by developers	neutral	neutral	not very satisfied	neutral	bike trails;sports fields;large multi-use park	build additional recreational facilities	somewhat important	No	purchase of land with town funds;purchase of land with state grants	Small town		more than 20 years	young family with young children
a rural town	somewhat important	somewhat important	somewhat important	somewhat important	very important	Minimal growth	encourage growth in areas of existing development	agriculture;grocery/food	regulating housing development	Yes	property tax reduction for farmland	somewhat satisfied	somewhat satisfied	somewhat satisfied	neutral	bike trails;hiking and skiing trails	place equal emphasis on each	somewhat important	No	purchase of land with state grants;zoning or bylaw changes	Small town feel	Traffic is growing.	less than 5 years	family with older children

a rural town	very important	very important	very important	very important	very important	growth evenly spread throughout town	growth evenly spread throughout town	grocery/food;sports/golf;offices	extending town sewers to promote development	Yes	town purchase of land	neutral	neutral	neutral	neutral	bike trails;hiking and skiing trails;local neighborhood parks;family picnic areas;improved river access	acquire additional land for open space	very important	Center street	purchase of land with state grants	Small town feel		more than 20 years	family with older children
a rural town	neutral	somewhat important	somewhat important	somewhat important	very important	encourage individual houses vs. subdivisions	encourage growth in areas of existing development	agriculture;grocery/food;retail stores	extending town sewers to promote development	Yes	zoning for open space preservation	not very satisfied	not very satisfied	neutral	neutral	bike trails;children play areas;sports fields;local neighborhood parks;swimming pool	build additional recreational facilities	somewhat important	N/a	zoning or bylaw changes	The community and tranquility	Access to shopping and restaurants is scarce in town.	less than 5 years	young family with young children
a bedroom community	very important	very important	very important	very important	somewhat important	no growth	encourage growth in areas of existing development	retail stores;offices;Medical	regulating housing development	Yes	zoning for open space preservation	neutral	neutral	neutral	neutral	conservation areas;hiking and skiing trails	acquire additional land for open space	neutral	Land in back of Cranton Ave	purchase of land with town funds;purchase of land with state grants	Small town	How much it is growing	more than 20 years	family with older children
a rural town	somewhat important	somewhat important	very important	very important	somewhat important	encourage growth in areas of already existing development	encourage growth in areas of existing development	agriculture;grocery/food	acquisitions of conservation restrictions	Yes	receipt of conservation restrictions; town purchase of land;zoning for open space preservation;mandatory dedication	neutral	neutral	not very satisfied	not very satisfied	bike trails;conservation areas;hiking and skiing trails;improved river access	acquire additional land for open space	very important	I am not knowledgeable about specific properties	purchase of land with town funds;purchase of land with state grants;zoning or bylaw changes	The quiet,the peace and the natural beauty. I also feel it is a very safe town to live in	Difficulty of walking in the winter with no sidewalks. few restaurants. Comcast.	more than 20 years	senior couple or family
a bedroom community	very important	very important	very important	very important	very important	no growth	encourage growth in areas of existing development	grocery/food;sports/golf;offices	acquisitions of conservation restrictions;increased commercial development	Yes	receipt of conservation restrictions; zoning for open space preservation	not satsfied	neutral	somewhat satisfied	not very satisfied	bike trails;children play areas;hiking and skiing trails;large multi-use park;indoor recreation facilities	place equal emphasis on each	very important	Don't know the candidate/options of what is unprotected	purchase of land with state grants	Open space, Family friendly, Small town, Bagnall	Lack of play area for young children, Lack of restaurants if you like anything other than pizza and subs, Ugly or poorly	more than 20 years	young family with young children
a bedroom community	very important	very important	somewhat important	very important	somewhat important	encourage growth in areas of already existing development;encourage individual houses vs. subdivisions	encourage growth in areas of existing development	grocery/food;retail stores;gym	acquisitions of conservation restrictions; regulating housing development	No opinion	zoning for open space preservation	not very satisfied	not very satisfied	not very satisfied	neutral	children play areas;hiking and skiing trails;large multi-use park;local neighborhood parks;indoor recreation facilities	place equal emphasis on each	somewhat important	n/a	purchase of land with state grants;zoning or bylaw changes	adequate space between homes (not too close together) easy access to highways and larger towns	lack of sidewalks and places to socialize, trash on roads largely from commuter traffic	less than 5 years	young family with young children

a bedroom community	very important	very important	very important	very important	very important	no growth	no growth	agriculture;grocery/food	acquisitions of conservation restrictions; regulating housing development	Yes	receipt of conservation restrictions; town purchase of land;zoning for open space preservation;property tax	very satisfied	neutral	somewhat satisfied	neutral	hiking and skiing trails;ice skating area;improved river access;swimming pool;swimming beach	maintain current recreation and conservation areas	somewhat important	near the river	purchase of land with town funds;purchase of land with state grants	off the beaten path	lack of retail	more than 20 years	young adult couple - no children
a bedroom community	not very important	not very important	not very important	not very important	not important	No govt acquisitions!	encourage growth in areas of existing development	Whatever someone wants to bring here	extending town sewers to promote development	No	property tax reduction for farmland	very satisfied	very satisfied	very satisfied	very satisfied	None-havenâ€™t even approved a new school and looking to spend more. Not the role of Govt.	maintain current recreation and conservation areas	not important	No more purchases	no action	Small town	To many people trying to convince offficials to keep up with other towns	5-10 years	young family with young children
a suburb of Haverhill	very important	very important	very important	very important	very important	no growth	growth evenly spread throughout town	agriculture;retail stores	acquisitions of conservation restrictions	Yes	zoning for open space preservation	not very satisfied	not very satisfied	not very satisfied	not very satisfied	children play areas;hiking and skiing trails;local neighborhood parks;family picnic areas;improved river access;indo	maintain current recreation and conservation areas	neutral	Merrimac River	purchase of land with state grants	The wildlife		5-10 years	single parent - children at home
a suburb of Haverhill	very important	very important	very important	very important	very important	encourage growth in areas of already existing development;encourage individual houses vs. subdivisions	growth evenly spread throughout town	agriculture;sports/golf;offices	acquisitions of conservation restrictions; extending town sewers to promote development;regulating housing	Yes	receipt of conservation restrictions; town purchase of land;zoning for open space preservation;mandatory dedication	somewhat satisfied	neutral	neutral	not very satisfied	bike trails;conservation areas;hiking and skiing trails;improved river access;indoor recreation facilities	place equal emphasis on each	very important	the land for sale on King Street.	purchase of land with town funds;purchase of land with state grants;purchase of development rights;zoning or bylaw	the community, schools, and location	the increase in housing developments. and destruction of land for building	less than 5 years	family with older children
a bedroom community	very important	very important	somewhat important	somewhat important	somewhat important	encourage growth in areas of already existing development	encourage growth in areas of existing development	light industry;offices	acquisitions of conservation restrictions; regulating housing development	Yes	receipt of conservation restrictions; town purchase of land;zoning for open space preservation	neutral	neutral	neutral	neutral	conservation areas;children play areas;sports fields;improved river access;swimming beach	maintain current recreation and conservation areas	somewhat important	no	purchase of land with state grants;partial development;zoning or bylaw changes	Small town feel	Lack of historical assets protection	more than 20 years	family - grown children no longer home
a rural town	very important	very important	very important	very important	very important	encourage growth in areas of already existing development	encourage growth in areas of existing development	agriculture;grocery/food;retail stores	regulating housing development	Yes	zoning for open space preservation	somewhat satisfied	not very satisfied	not very satisfied	neutral	bike trails;conservation areas;hiking and skiing trails;ice skating area;local neighborhood parks	place equal emphasis on each	very important	Wooded area off Salem Street	purchase of land with state grants	Safe community	Building in the wooded areas	more than 20 years	young family with young children

a rural town	very important	very important	somewhat important	very important	neutral	no growth	no growth	Locally owned shops or businesses	acquisitions of conservation restrictions	Yes	receipt of conservation restrictions; town purchase of land;zoning for open space preservation;property tax	very satisfied	very satisfied	very satisfied	very satisfied	conservation areas;hiking and skiing trails;ice skating area;family picnic areas;improved river access	acquire additional land for open space	very important	Any property that can be preserved to maintain wildlife	purchase of land with town funds;purchase of land with state grants;zoning bylaw changes	The small community, large lots and open spaces	The traffic on my street	less than 5 years	young adult couple - no children
a bedroom community	very important	very important	very important	very important	very important	encourage growth in areas of already existing development	encourage growth in areas of existing development	agriculture;grocery/food;light industry;retail stores;offices	acquisitions of conservation restrictions; extending town sewers to promote development;regulating housing	Yes	receipt of conservation restrictions; town purchase of land;zoning for open space preservation;mandatory dedication	somewhat satisfied	neutral	somewhat satisfied	not very satisfied	bike trails;conservation areas;improved river access;indoor recreation facilities;Senior Center	place equal emphasis on each	very important	Along all waterways	purchase of land with town funds;purchase of land with state grants;zoning bylaw changes	The peace and quiet	The roads	more than 20 years	family with older children
a rural town	somewhat important	somewhat important	somewhat important	somewhat important	somewhat important	encourage growth in areas of already existing development	encourage growth in areas of existing development	agriculture;light industry	regulating housing development	Yes	property tax reduction for farmland	somewhat satisfied	somewhat satisfied	somewhat satisfied	somewhat satisfied	hiking and skiing trails	maintain current recreation and conservation areas	neutral	No	purchase of land with state grants	Small town		more than 20 years	family with older children
a bedroom community	somewhat important	somewhat important	very important	very important	very important	encourage growth in areas of already existing development;encourage individual houses vs. subdivisions	encourage growth in areas of existing development	grocery/food;sports/golf	acquisitions of conservation restrictions; regulating housing development	Yes	receipt of conservation restrictions; zoning for open space preservation	not very satisfied	not very satisfied	not very satisfied	not very satisfied	hiking and skiing trails;ice skating area;large multi-use park;local neighborhood parks;family picnic areas	maintain current recreation and conservation areas	somewhat important	Not sure	purchase of land with state grants	Not much	Unfriendly people	less than 5 years	family with older children
a rural town	somewhat important	very important	somewhat important	somewhat important	somewhat important	encourage individual houses vs. subdivisions	encourage growth in areas of existing development	sports/golf	increased commercial development	No opinion	zoning for open space preservation	somewhat satisfied	somewhat satisfied	somewhat satisfied	not very satisfied	bike trails;improved river access;Additional softball field	maintain current recreation and conservation areas	somewhat important	No	purchase of land with state grants	Strong sense of community	Lack of businesses	10-20 years	family with older children
a rural town	neutral	neutral	somewhat important	not very important	not very important	growth evenly spread throughout town	growth evenly spread throughout town	light industry	extending town sewers to promote development	Yes	mandatory dedication of farmland by developers	very satisfied	very satisfied	very satisfied	neutral	children play areas;;sports fields;hiking and skiing trails;family picnic areas;tennis courts	maintain current recreation and conservation areas	neutral	no	no action	?	fire dept	more than 20 years	senior couple or family

a suburb of Boston	very important	very important	very important	very important	somewhat important	no growth	no growth	agriculture;grocery/food;retail stores	acquisitions of conservation restrictions	Yes	receipt of conservation restrictions	somewhat satisfied	somewhat satisfied	somewhat satisfied	somewhat satisfied	bike trails;conservation areas;hiking and skiing trails;ice skating area;improved river access;indoor recreation	maintain current recreation and conservation areas	somewhat important	veasey park	no action	the quiet	nothing	more than 20 years	single young adult - living with others
a rural town	very important	very important	very important	somewhat important	very important	encourage growth in areas of already existing development	encourage growth in areas of existing development	agriculture;grocery/food;sports/golf	acquisitions of conservation restrictions; regulating housing development	Yes	town purchase of land;property tax reduction for farmland;purchase of development rights	not satsfied	not very satisfied	not very satisfied	not very satisfied	local neighborhood parks;family picnic areas;improved river access;swimming pool;tennis courts;swimming beach	place equal emphasis on each	somewhat important	None specifically I'd like to see more	purchase of land with state grants	The community	Becoming too commercialized and over populated	more than 20 years	single parent - children at home
a rural town	very important	very important	very important	very important	very important	encourage growth in areas of already existing development	encourage growth in areas of existing development	agriculture;grocery/food	regulating housing development	Yes	receipt of conservation restrictions; town purchase of land;zoning for open space preservation;mandatory dedication	somewhat satisfied	somewhat satisfied	somewhat satisfied	neutral	bike trails;conservation areas;hiking and skiing trails;large multi-use park;improved river access	place equal emphasis on each	very important	hiking trails, or an update/improvement on existing trails. We have a good amount of forest for hiking,	purchase of land with town funds;purchase of land with state grants;purchase of development rights	Peace and quiet, beautiful surrounding s.	The "downtown area" could use some updating as far as businesses.	more than 20 years	family with older children
a rural town	somewhat important	somewhat important	very important	very important	very important	encourage individual houses vs. subdivisions	encourage growth in areas of existing development	agriculture;grocery/food;light industry;sports/golf;retail stores;offices	acquisitions of conservation restrictions;increased commercial development	Yes	receipt of conservation restrictions; town purchase of land;zoning for open space preservation;mandatory dedication	neutral	neutral	not very satisfied	neutral	bike trails;conservation areas;children play areas;hiking and skiing trails;large multi-use park;local neighborhood	place equal emphasis on each	very important	Bare Hill/ Seven Star	purchase of land with town funds;purchase of land with state grants;purchase of development rights	Quite and rural	Nothing	less than 5 years	young family with young children
a rural town	very important	very important	somewhat important	very important	not very important	no growth	no growth	Small locally owned businesses	acquisitions of conservation restrictions; regulating housing development	Yes	zoning for open space preservation	very satisfied	very satisfied	very satisfied	very satisfied	conservation areas;hiking and skiing trails;ice skating area;family picnic areas;improved river access	acquire additional land for open space	very important	Any property that will protect and preserve nature should be acquired.	purchase of land with town funds;purchase of land with state grants;zoning or bylaw changes	The open spaces, large lots, and historical homes and buildings.	The traffic on my street.	less than 5 years	young adult couple - no children
a bedroom community	very important	very important	very important	very important	not very important	encourage growth in areas of already existing development	encourage growth in areas of existing development	agriculture;grocery/food;offices	increased commercial development	Yes	property tax reduction for farmland	neutral	very satisfied	not very satisfied	not very satisfied	golf course;hiking and skiing trails;large multi-use park;improved river access;indoor recreation facilities	maintain current recreation and conservation areas	somewhat important	former gas station in Elm Park	purchase of land with state grants;zoning or bylaw changes	small town, location - Boston, beaches, woods in NH easily accessible.	Regional school district	more than 20 years	senior couple or family

a rural town	very important	very important	very important	very important	very important	growth evenly spread throughout town;encourage growth in areas of already existing development	growth evenly spread throughout town;encourage growth in areas of existing development	light industry;sports/golf;offices	increased commercial development	Yes	town purchase of land;zoning for open space preservation	somewhat satisfied	somewhat satisfied	neutral	neutral	bike trails;conservation areas;sports fields;indoor recreation facilities	maintain current recreation and conservation areas	very important	Shanahan Field, Strawberry Fields	purchase of land with town funds;purchase of land with state grants;zoning or bylaw changes	The Community!		more than 20 years	family with older children
a rural town	very important	very important	very important	very important	very important	no growth	no growth	agriculture	acquisitions of conservation restrictions	Yes	Government APR bill	neutral	not satsfied	not satsfied	not satsfied	bike trails;conservation areas;children play areas;hiking and skiing trails;local neighborhood parks;swimming beach	place equal emphasis on each	very important	Large property on Salem st	purchase of land with state grants	Low crime	Nothing	more than 20 years	senior couple or family
a rural town	somewhat important	very important	very important	very important	very important	no growth;growth evenly spread throughout town;encourage individual houses vs. subdivisions	no growth	grocery/food;sports/golf;retail stores	acquisitions of conservation restrictions; regulating housing development	Yes	zoning for open space preservation;property tax reduction for farmland	neutral	not very satisfied	not very satisfied	neutral	bike trails;conservation areas;hiking and skiing trails;ice skating area;family picnic areas	acquire additional land for open space	very important	woods.	purchase of land with state grants	It's green and quiet.	Water quality issues.	10-20 years	family with older children
a bedroom community	very important	very important	somewhat important	very important	very important	growth evenly spread throughout town	encourage growth in areas of existing development	light industry;retail stores	acquisitions of conservation restrictions; extending town sewers to promote development;regulating housing	Yes	receipt of conservation restrictions; zoning for open space preservation;property tax reduction for farmland	not very satisfied	neutral	not very satisfied	neutral	bike trails;hiking and skiing trails;family picnic areas	place equal emphasis on each	very important	Not that I can think of	purchase of land with state grants;zoning or bylaw changes	Generally quiet and safe		10-20 years	young family with young children
a rural town	very important	very important	very important	very important	very important	encourage growth in areas of already existing development	encourage growth in areas of existing development	agriculture;grocery/food;light industry;sports/golf;retail stores;offices	extending town sewers to promote development	Yes	town purchase of land	very satisfied	very satisfied	not satsfied	very satisfied	bike trails;conservation areas;golf course;improved river access;swimming pool	acquire additional land for open space	very important	Any waterfront area. Boat launch or beach would be great	purchase of land with town funds;purchase of land with state grants	My kids attend summer camp at Veasey Park and we love it there. Also love the woman select person. Small town	Politics	5-10 years	young family with young children
a rural town	somewhat important	very important	very important	very important	very important	encourage individual houses vs. subdivisions	encourage growth in areas of existing development	agriculture; offices	regulating housing development	Yes	mandatory dedication of farmland by developers	not very satisfied	not very satisfied	not satsfied	not satsfied	bike trails;conservation areas;children play areas;hiking and skiing trails;local neighborhood parks	maintain current recreation and conservation areas	very important	No	purchase of land with state grants	Small town	Nothing to do	10-20 years	family with older children

a suburb of Boston	very important	very important	somewhat important	somewhat important	somewhat important	growth evenly spread throughout town;affordable housing (small houses) for our elderly and young families	encourage growth in areas of existing development	agriculture;light industry;offices	regulating housing development	Yes	mandatory dedication of farmland by developers; property tax reduction for farmland;purchase of development rights	not very satisfied	somewhat satisfied	not very satisfied	not very satisfied	bike trails;children play areas;ice skating area;improved river access;splash park!	place equal emphasis on each	somewhat important	Don't know what is available!	purchase of land with state grants;purchase of development rights;partial development	Friendly place to raise a family - small town feel.	Some of the "mini-mansions" being built - not really fitting with the town we moved to 46 years ago! Also - the politics happening	more than 20 years	family - grown children no longer at home but living in Groveland!
a rural town;a bedroom community	neutral	neutral	somewhat important	somewhat important	somewhat important	growth evenly spread throughout town;encourage growth in areas of already existing development;encourage individual	encourage growth in areas of existing development	agriculture;light industry;sports/golf;retail stores	increased industrial development;regulating housing development	Yes	zoning for open space preservation;property tax reduction for farmland;purchase of development rights	not very satisfied	neutral	neutral	not very satisfied	conservation areas;children play areas;local neighborhood parks;improved river access;indoor recreation	maintain current recreation and conservation areas	somewhat important	No	purchase of land with state grants;partial development	Small town feel where we know our neighbors		10-20 years	family with older children
a bedroom community	very important	very important	very important	very important	very important	encourage individual houses vs. subdivisions	encourage growth in undeveloped areas	agriculture;grocery/food;sports/golf;retail stores	extending town sewers to promote development;increased commercial development	Yes	receipt of conservation restrictions; zoning for open space preservation	somewhat satisfied	not very satisfied	not satsfied	not satsfied	bike trails;children play areas;sports fields;golf course;hiking and skiing trails	build additional recreational facilities	somewhat important	Not sure	purchase of land with state grants;zoning or bylaw changes	Travel distances to other areas	The lack of leadership and poor community involvement	more than 20 years	senior couple or family
a rural town	very important	very important	very important	very important	somewhat important	no growth	encourage growth in areas of existing development	agriculture	regulating housing development	Yes	town purchase of land;zoning for open space preservation;mandatory dedication of farmland by developers; property tax	very satisfied	very satisfied	neutral	not very satisfied	bike trails;conservation areas;hiking and skiing trails;family picnic areas;improved river access	maintain current recreation and conservation areas	very important	I have no knowledge about ant property	purchase of land with state grants;zoning or bylaw changes	Small town	Every inch is being built on which is taking land from all the wildlife. Would move out in a minute if we were able to because of	more than 20 years	family - grown children no longer home
a rural town	very important	very important	very important	somewhat important	very important	encourage growth in areas of already existing development	encourage growth in areas of existing development	agriculture;light industry	regulating housing development	Yes	property tax reduction for farmland	neutral	neutral	not very satisfied	not very satisfied	bike trails;hiking and skiing trails;local neighborhood parks;family picnic areas	maintain current recreation and conservation areas	not important	No	no action	Small town feeling		more than 20 years	senior couple or family
a rural town	very important	very important	very important	somewhat important	neutral	encourage growth in undeveloped areas	growth evenly spread throughout town	grocery/food;light industry;retail stores	extending town sewers to promote development	Yes	zoning for open space preservation;property tax reduction for farmland	neutral	neutral	neutral	neutral	bike trails;children play areas;large multi-use park;improved river access;swimming beach	place equal emphasis on each	somewhat important	n/a	purchase of development rights	small , quiet town.	I just moved here so I have not found any negative aspects except that dog owners do not have their doge on leashes like they	less than 5 years	family - grown children no longer home

a rural town	somewhat important	somewhat important	not very important	not very important	not very important	not very important	encourage growth in undeveloped areas	encourage growth in undeveloped areas	light industry;retail stores	extending town sewers to promote development;increased commercial development;increased industrial development	No	none	not very satisfied	not very satisfied	not very satisfied	not very satisfied	sports fields;improved river access	maintain current recreation and conservation areas	not important	no, they have enough	no action	Ease of getting around and good neighbors	No business plan or master plan, seems to be pay as you go	10-20 years	family with older children
a suburb of Haverhill;a bedroom community	very important	very important	very important	very important	somewhat important	encourage growth in areas of already existing development	encourage growth in areas of existing development	agriculture;grocery/food	acquisitions of conservation restrictions;increased commercial development;regulating housing development	Yes	receipt of conservation restrictions; zoning for open space preservation	not very satisfied	not very satisfied	not very satisfied	not satsfied	conservation areas;children play areas;hiking and skiing trails;local neighborhood parks;family picnic areas;swim	maintain current recreation and conservation areas	somewhat important	No	purchase of land with state grants	The people	The lack of things to do with my family	5-10 years	young family with young children
a rural town	very important	very important	somewhat important	very important	somewhat important	encourage growth in undeveloped areas;encourage individual houses vs. subdivisions	encourage growth in undeveloped areas	grocery/food;sports/golf;Restaurant	extending town sewers to promote development	No opinion	NA	somewhat satisfied	neutral	neutral	neutral	bike trails;conservation areas;golf course;ice skating area;local neighborhood parks	place equal emphasis on each	somewhat important	NA	purchase of land with state grants	Land	Some roads are poor	less than 5 years	single young adult - living with others
a rural town;a suburb of Boston;a bedroom community	very important	very important	very important	very important	very important	encourage growth in areas of already existing development	encourage growth in areas of existing development	agriculture;grocery/food;retail stores	acquisitions of conservation restrictions; regulating housing development	Yes	town purchase of land;zoning for open space preservation;mandatory dedication of farmland by developers	neutral	neutral	very satisfied	neutral	bike trails;conservation areas;hiking and skiing trails;local neighborhood parks;improved river access	place equal emphasis on each	very important	riverfront access, hill tops with views	purchase of land with town funds;purchase of land with state grants;purchase of development rights;zoning or bylaw	geographic location, friends we have made, our back yard	Property taxes, Salem Street traffic	more than 20 years	Middle aged couple, no children
a bedroom community	very important	very important	very important	very important	very important	1 acre minimum for new houses	growth evenly spread throughout town	agriculture;grocery/food;retail stores;offices	acquisitions of conservation restrictions; regulating housing development	Yes	receipt of conservation restrictions; town purchase of land;zoning for open space preservation;mandatory dedication	neutral	neutral	not very satisfied	not very satisfied	bike trails;conservation areas;hiking and skiing trails;local neighborhood parks;improved river access	acquire additional land for open space	very important	Riverfront	purchase of land with town funds;purchase of land with state grants;purchase of development rights;zoning or bylaw	Our friends, the affordability when we bought our house, my yard	The traffic on Salem Street, the excessive development of new homes on small lots	10-20 years	Adult couple - no children
a bedroom community	neutral	neutral	somewhat important	not very important	not very important	growth evenly spread throughout town	encourage growth in areas of existing development;encourage growth in undeveloped areas	grocery/food;light industry	extending town sewers to promote development;increased industrial development;regulating housing development	Yes	mandatory dedication of farmland by developers; property tax reduction for farmland	very satisfied	somewhat satisfied	not satsfied	not satsfied	ice skating area;family picnic areas;improved river access;indoor recreation facilities;tennis courts	maintain current recreation and conservation areas	neutral	no	purchase of land with state grants	small community feel	Five member board of selectmen	10-20 years	family - grown children no longer home

a bedroom community	very important	very important	very important	very important	very important	encourage individual houses vs. subdivisions	growth evenly spread throughout town	agriculture;light industry;retail stores	increased commercial development	Yes	zoning for open space preservation	neutral	neutral	not satsfied	not satsfied	bike trails;conservation areas;sports fields;large multi-use park;local neighborhood parks	place equal emphasis on each	very important	NA	purchase of land with town funds;purchase of land with state grants	Cost of living	Lack of business	5-10 years	young family with young children
a rural town	somewhat important	somewhat important	somewhat important	very important	very important	growth evenly spread throughout town	growth evenly spread throughout town	light industry	acquisitions of conservation restrictions; regulating housing development	Yes	town purchase of land;zoning for open space preservation;property tax reduction for farmland	somewhat satisfied	not very satisfied	neutral	not very satisfied	improved river access;indoor recreation facilities	place equal emphasis on each	somewhat important	Town atmosphere	purchase of land with state grants	community		more than 20 years	family - grown children no longer home
a rural town	very important	very important	very important	very important	somewhat important	no growth	encourage growth in areas of existing development	grocery/food;sports/golf	acquisitions of conservation restrictions	Yes	receipt of conservation restrictions	very satisfied	very satisfied	very satisfied	very satisfied	bike trails;conservation areas;golf course;hiking and skiing trails;improved river access	acquire additional land for open space	very important	Riverfront	purchase of land with town funds;purchase of land with state grants	The quiet		less than 5 years	senior couple or family
a rural town	very important	very important	very important	very important	very important	encourage individual houses vs. subdivisions	encourage growth in areas of existing development	grocery/food	acquisitions of conservation restrictions	Yes	receipt of conservation restrictions; town purchase of land;zoning for open space preservation;property tax	not very satisfied	not very satisfied	neutral	neutral	conservation areas;children play areas;hiking and skiing trails;local neighborhood parks;family picnic areas;impro	maintain current recreation and conservation areas	very important	Pines, Center St	purchase of land with state grants;zoning or bylaw changes	Space, small town	Unkept town land with trash,	10-20 years	young family with young children
a rural town	somewhat important	very important	somewhat important	somewhat important	somewhat important	growth evenly spread throughout town;encourage individual houses vs. subdivisions	encourage growth in areas of existing development	grocery/food;light industry;sports/golf	acquisitions of conservation restrictions;increased commercial development	Yes	zoning for open space preservation;property tax reduction for farmland	neutral	neutral	not very satisfied	not very satisfied	bike trails;conservation areas;children play areas;hiking and skiing trails;large multi-use park;family picnic areas;impro	place equal emphasis on each	very important	riverfront	purchase of land with town funds;purchase of land with state grants	Small town feel but with room for growth, but leaders need to grow up as a town		more than 20 years	young family with young children
a rural town	somewhat important	somewhat important	somewhat important	very important	very important	encourage growth in areas of already existing development	growth evenly spread throughout town	agriculture;grocery/food;sports/golf;retail stores	acquisitions of conservation restrictions; extending town sewers to promote development	Yes	mandatory dedication of farmland by developers	not satsfied	not satsfied	neutral	neutral	children play areas;local neighborhood parks;family picnic areas;tennis courts;swimming beach	place equal emphasis on each	somewhat important	n/a	purchase of land with state grants	a quiet community with a family vibe	there are no good restaurants to take our family; very little "to-do"	less than 5 years	young family with young children

a rural town	somewhat important	somewhat important	somewhat important	somewhat important	very important	encourage individual houses vs. subdivisions	encourage growth in areas of existing development	agriculture;grocery/food;retail stores	acquisitions of conservation restrictions; regulating housing development	Yes	receipt of conservation restrictions; town purchase of land;zoning for open space preservation;mandatory dedication	not satsfied	not satsfied	not satsfied	neutral	sports fields;hiking and skiing trails;local neighborhood parks;improved river access;indoor recreation facilities;ten	maintain current recreation and conservation areas	very important	multi-use fields at strawberry fields and fix and fully use Pines	purchase of land with town funds;purchase of land with state grants	rural but all necessary business close by	lack of athletic fields	10-20 years	young family with young children
a bedroom community	very important	very important	very important	very important	very important	encourage growth in areas of already existing development	growth evenly spread throughout town;encourage growth in areas of existing development	grocery/food;light industry;retail stores	extending town sewers to promote development;increased commercial development;regulating housing development	Yes	town purchase of land;property tax reduction for farmland;purchase of development rights	somewhat satisfied	neutral	neutral	neutral	bike trails;conservation areas;ice skating area;indoor recreation facilities;swimming pool;tennis courts conservation	build additional recreational facilities	very important	Strawberry fields	purchase of development rights;partial development	Small town feel	Feels like a battle between the town folk and new people moving in.	more than 20 years	family with older children
a rural town	very important	very important	very important	very important	neutral	no growth	no growth	agriculture	regulating housing development	Yes	purchase of land;zoning for open space preservation;mandatory dedication of farmland by developers; property tax town	somewhat satisfied	somewhat satisfied	somewhat satisfied	somewhat satisfied	areas;hiking and skiing trails;ice skating area;local neighborhood parks;improved river access	maintain current recreation and conservation areas	very important	Any area that can be protected	purchase of land with town funds;purchase of land with state grants;purchase of development rights	Not being congested with people	The traffic	less than 5 years	young adult couple - no children
a rural town	very important	very important	very important	very important	somewhat important	no growth	no growth	None	regulating housing development	Yes	purchase of land;zoning for open space preservation;mandatory dedication of farmland by developers; property tax	somewhat satisfied	somewhat satisfied	somewhat satisfied	somewhat satisfied	bike trails;conservation areas;hiking and skiing trails;ice skating area;improved river access	maintain current recreation and conservation areas	very important	Anywhere possible	purchase of land with town funds;purchase of land with state grants	The rural aspects	Subdivisons	less than 5 years	young adult couple - no children
a rural town	somewhat important	somewhat important	somewhat important	somewhat important	very important	growth evenly spread throughout town	growth evenly spread throughout town	grocery/food;sports/golf	extending town sewers to promote development;increased commercial development;increased industrial development;regulating	No opinion	property tax reduction for farmland	not satsfied	not satsfied	somewhat satisfied	not very satisfied	bike trails;children play areas;sports fields;golf course;hiking and skiing trails;large multi-use park;local neighborhood	build additional recreational facilities	somewhat important	Veasey park	no action	Safe. Clean	No areas to walk to. Lack of sidewalks. No restaurants.	5-10 years	young family with young children
a bedroom community	somewhat important	somewhat important	neutral	very important	very important	Growth of Business (Retail) / Low Income Housing	encourage growth in areas of existing development;encourage growth in undeveloped areas	grocery/food;sports/golf;retail stores	increased commercial development	No	zoning for open space preservation	not satsfied	not satsfied	not satsfied	not satsfied	bike trails;children play areas;large multi-use park;swimming beach;Splash Park	build additional recreational facilities	very important	No	purchase of land with town funds;purchase of land with state grants	Safe town with access to other town with cultural offerings	We are not a very welcoming town to outsiders, low diversity, no retale	less than 5 years	young family with young children

a rural town;a bedroom community	very important	very important	very important	very important	neutral	no growth	no growth	none	acquisitions of conservation restrictions	Yes	receipt of conservation restrictions; town purchase of land;zoning for open space preservation;property tax	very satisfied	very satisfied	very satisfied	very satisfied	bike trails;conservation areas;hiking and skiing trails;ice skating area;improved river access	acquire additional land for open space	very important	I don't know. Any that is available.	purchase of land with town funds;purchase of land with state grants;purchase of development rights;zoning or bylaw	the open space	traffic	less than 5 years	young adult couple - no children
a bedroom community	very important	very important	very important	very important	very important	Well thought out commercial growth to produce more tax revenue	encourage growth in undeveloped areas	light industry;offices	extending town sewers to promote development;increased commercial development	Yes	receipt of conservation restrictions; zoning for open space preservation;mandatory dedication of farmland by developers;	neutral	neutral	neutral	neutral	hiking and skiing trails;improved river access	place equal emphasis on each	somewhat important	No	purchase of land with state grants;purchase of development rights;zoning or bylaw changes	Rural feeling	Town government and the uninformed leaders	more than 20 years	family with older children
a bedroom community	somewhat important	somewhat important	neutral	somewhat important	somewhat important	encourage growth in areas suitable for development	encourage growth in areas of existing development	light industry	extending town sewers to promote development;increased industrial development	No	property tax reduction for farmland;purchase of development rights	neutral	neutral	somewhat satisfied	not very satisfied	bike trails;children play areas;sports fields;hiking and skiing trails;local neighborhood parks;improved river access;tenni	maintain current recreation and conservation areas	not very important	no	purchase of land with state grants	location and diversity of housing stock	unsophisticated town government, not having professional town manager	5-10 years	family with older children
a rural town	somewhat important	somewhat important	very important	very important	very important	no growth;encourage individual houses vs. subdivisions	encourage growth in areas of existing development	agriculture;grocery/food	regulating housing development	Yes	zoning for open space preservation;property tax reduction for farmland	neutral	neutral	neutral	neutral	bike trails;conservation areas;sports fields;family picnic areas;improved river access	place equal emphasis on each	somewhat important	Na	purchase of land with state grants	Small town feeling		less than 5 years	young family with young children
a suburb of Haverhill	somewhat important	somewhat important	very important	very important	very important	Improvement of current infrastructure; no subdivisions	encourage growth in areas of existing development	Cafes and bakery where people can spend time and then do an activity like a hike/walk	regulating housing development	Yes	receipt of conservation restrictions; town purchase of land;zoning for open space preservation;mandatory dedication	very satisfied	somewhat satisfied	neutral	neutral	bike trails;conservation areas;local neighborhood parks;swimming pool;tennis courts	acquire additional land for open space	very important	Johnson pond area near Boxford	purchase of land with town funds;purchase of land with state grants	I feel safe.	Downtown has underutilized potential.	5-10 years	family - grown children no longer home
a suburb of Haverhill	somewhat important	somewhat important	very important	very important	very important	Improvement of current infrastructure; no subdivisions	encourage growth in areas of existing development	Cafes and bakery where people can spend time and then do an activity like a hike/walk	regulating housing development	Yes	receipt of conservation restrictions; town purchase of land;zoning for open space preservation;mandatory dedication	very satisfied	somewhat satisfied	neutral	neutral	bike trails;conservation areas;local neighborhood parks;swimming pool;tennis courts	acquire additional land for open space	very important	Johnson pond area near Boxford	purchase of land with town funds;purchase of land with state grants	I feel safe.	Downtown has underutilized potential.	5-10 years	family - grown children no longer home

a bedroom community	very important	very important	very important	somewhat important	not very important	Affordable elderly housing	growth evenly spread throughout town;encourage growth in areas of existing development;encourage growth in undevelope	grocery/food;retail stores;Honey dew donuts	increased commercial development	Yes	To be considered	very satisfied	very satisfied	not satsfied	not satsfied	indoor recreation facilities;Senior Center	place equal emphasis on each	neutral	No	no action	The police and fire departments. Very safe community	Not having a senior center	5-10 years	senior couple or family
a rural town	very important	very important	somewhat important	very important	neutral	no growth	no growth	Small, locally owned businesses	acquisitions of conservation restrictions; regulating housing development	Yes	zoning for open space preservation	very satisfied	very satisfied	very satisfied	somewhat satisfied	conservation areas;hiking and skiing trails;ice skating area;family picnic areas;improved river access	acquire additional land for open space	very important	Any available property that will prevent development and encourage conservation of wildlife.	purchase of land with town funds;purchase of land with state grants;zoning or bylaw changes	The small town size, the open land for wildlife preservation, the historical homes	The traffic on my street, the new development, and the inactivity of the historical society	less than 5 years	young family with young children
a rural town;a suburb of Haverhill;a bedroom community	somewhat important	very important	not very important	neutral	not very important	growth evenly spread throughout town encourage growth in areas of already existing development;encourage growth in undevelope	encourage growth in areas of existing development	retail stores	increased commercial development;regulating housing development	Yes	property tax reduction for farmland	somewhat satisfied	somewhat satisfied	neutral	somewhat satisfied	conservation areas;children play areas;local neighborhood parks;family picnic areas bike trails;children play areas;sports fields;hiking and skiing trails;large multi-use park;local neighborhood parks;impro	maintain current recreation and conservation areas	not important	No...I really think we have made big acquisitions but do always keep them maintained	purchase of land with state grants	It's a small rural town. Lots of great people live here with strong roots in the community.	The fact that we have purchased Strawberry fields and have done nothing there... and the fact that the bathrooms	more than 20 years	senior couple or family
a rural town;a suburb of Boston	somewhat important	neutral	not very important	not very important	somewhat important	encourage growth in areas of already existing development;encourage growth in undeveloped areas;encourage	encourage growth in areas of existing development;encourage growth in undeveloped areas	grocery/food;sports/golf;retail stores	extending town sewers to promote development;increased commercial development	No opinion	receipt of conservation restrictions receipt of conservation restrictions; town purchase of land;zoning for open space preservation;mandatory dedication	not very satisfied	not very satisfied	not satsfied	not very satisfied		place equal emphasis on each	somewhat important	No	purchase of land with state grants;purchase of development rights	Space	No businesses	less than 5 years	young adult couple - no children
a rural town	very important	very important	very important	very important	very important	encourage growth in areas of already existing development;encourage individual houses vs. subdivisions	encourage growth in areas of existing development	agriculture	acquisitions of conservation restrictions	Yes		neutral	neutral	not satsfied	not satsfied	bike trails;conservation areas;hiking and skiing trails	acquire additional land for open space	very important	Strawberry Fields	purchase of land with town funds;purchase of land with state grants	The quietness and privacy	The clearing of woods for house developments, ie: Centre Street	less than 5 years	young family with young children
a suburb of Haverhill	not important	neutral	neutral	somewhat important	somewhat important	encourage growth in undeveloped areas	growth evenly spread throughout town	grocery/food;light industry;sports/golf;retail stores;offices	increased commercial development	No opinion	town purchase of land	neutral	neutral	not very satisfied	not very satisfied	bike trails;golf course;indoor recreation facilities;tennis courts	build additional recreational facilities	neutral	na	purchase of land with town funds;purchase of land with state grants;purchase of development rights	na		less than 5 years	single young adult - living with others

a rural town	somewhat important	somewhat important	somewhat important	somewhat important	somewhat important	encourage individual houses vs. subdivisions	encourage growth in areas of existing development	agriculture;grocery/food;light industry;sports/golf;retail stores;offices;Any for commercial tax revenues, no pot	increased commercial development	Yes	zoning for open space preservation	somewhat satisfied	somewhat satisfied	neutral	neutral	bike trails;conservation areas;ice skating area;large multi-use park;tennis courts	place equal emphasis on each	somewhat important	Area for bike path	purchase of land with state grants	Small town charm	Taxes getting unaffordable	10-20 years	young family with young children
a rural town	somewhat important	very important	very important	very important	very important	encourage individual houses vs. subdivisions	growth evenly spread throughout town	agriculture;grocery/food	regulating housing development	Yes	mandatory dedication of farmland by developers; property tax reduction for farmland	not very satisfied	not satsfied	not very satisfied	not very satisfied	children play areas;hiking and skiing trails;swimming beach	maintain current recreation and conservation areas	neutral	No	purchase of development rights	Small community	Subdivision	less than 5 years	young family with young children
a rural town	somewhat important	somewhat important	very important	very important	somewhat important	encourage growth in areas of already existing development	encourage growth in areas of existing development	agriculture;grocery/food	extending town sewers to promote development	Yes	zoning for open space preservation;property tax reduction for farmland	not very satisfied	not very satisfied	neutral	neutral	bike trails;children play areas;sports fields;hiking and skiing trails;indoor recreation facilities	place equal emphasis on each	neutral	meadow pond	purchase of land with state grants	community	nothing	less than 5 years	young family with young children
a rural town	not very important	not very important	very important	not very important	somewhat important	growth evenly spread throughout town;encourage growth in areas of already existing development	encourage growth in areas of existing development;encourage growth in undeveloped areas	agriculture;light industry;offices	increased commercial development;increased industrial development	No opinion	property tax reduction for farmland	not very satisfied	not very satisfied	neutral	neutral	children play areas;sports fields;ice skating area;large multi-use park;local neighborhood parks	maintain current recreation and conservation areas	not very important	No	purchase of land with state grants	Small town feel/ sense of community	High taxes for very few services/	10-20 years	family with older children
a rural town	somewhat important	very important	somewhat important	very important	very important	encourage growth in undeveloped areas	encourage growth in areas of existing development	sports/golf	acquisitions of conservation restrictions	Yes	zoning for open space preservation	neutral	neutral	not very satisfied	not very satisfied	bike trails;golf course;hiking and skiing trails;large multi-use park;swimming beach	place equal emphasis on each	somewhat important	No	purchase of development rights	People	traffic	5-10 years	single parent - children at home
a bedroom community	somewhat important	somewhat important	somewhat important	somewhat important	very important	growth evenly spread throughout town;encourage growth in undeveloped areas	growth evenly spread throughout town;encourage growth in undeveloped areas	agriculture;light industry;retail stores;offices	increased commercial development;increased industrial development;regulating housing development	Yes	zoning for open space preservation	neutral	not very satisfied	not satsfied	not satsfied	bike trails;conservation areas;hiking and skiing trails;family picnic areas;improved river access	place equal emphasis on each	very important	Strawberry Fields	purchase of land with state grants	Location. The community, friendly residents.	Lack of respect from GPD - need to work with the young people of town	more than 20 years	family with older children

a bedroom community	neutral	neutral	neutral	neutral	neutral	encourage individual houses vs. subdivisions	growth evenly spread throughout town	light industry;offices	increased industrial development;regulating housing development	No opinion	exactly ,,,,, where is the farm land mandatory dedication of farmland by developers; property tax reduction for farmland;purchase of development rights	very satisfied	very satisfied	not satsfied	not satsfied	did u ask me the top 5 or more places for the seniors why not	maintain current recreation and conservation areas	not important	not with my tax money stop[this bull shit	no action	51 years ago it was for the people ,, now it is for frogs and turtles	some of the select man do not listen to the people ,, and they should be replaced	more than 20 years	senior couple or family
a suburb of Haverhill	somewhat important	somewhat important	very important	somewhat important	not very important	encourage growth in areas of already existing development	encourage growth in areas of existing development	agriculture;light industry;retail stores	regulating housing development	Yes		very satisfied	very satisfied	very satisfied	neutral	improved river access;swimming beach;Csa community agriculture center for youth bike trails;children play areas;large multi-use park;local neighborhood parks;indoor recreation facilities;swimming	maintain current recreation and conservation areas	not very important	No just restrict land owners and provide tax breaks rather than purchase	purchase of land with state grants;purchase of development rights	I liked how rural it felt but itâ€™s starting to get over developed.	Builders on the boards. They sway the votes to ensure friends have work at Grovelands loss. I also dislike the influx of â€œNorth	more than 20 years	young family with young children
a rural town	neutral	neutral	somewhat important	somewhat important	very important	encourage growth in undeveloped areas	growth evenly spread throughout town	agriculture;grocery/food;retail stores	extending town sewers to promote development;increased commercial development	Yes	receipt of conservation restrictions; town purchase of land mandatory dedication of farmland	not satsfied	not satsfied	not very satisfied	neutral		place equal emphasis on each	very important	No	purchase of land with state grants	Friendly. Lots of land	No shops. No downtown with businesses	less than 5 years	young family with young children
a suburb of Haverhill	somewhat important	somewhat important	very important	somewhat important	not very important	encourage growth in areas of already existing development	encourage growth in areas of existing development	agriculture;light industry;retail stores	regulating housing development	Yes	by developers; property tax reduction for farmland;purchase of development rights	very satisfied	very satisfied	very satisfied	neutral	improved river access;swimming beach;Csa community agriculture center for youth children play areas;hiking and skiing trails;ice skating area;large multi-use park;local neighborhood parks;impro	maintain current recreation and conservation areas	not very important	No just restrict land owners and provide tax breaks rather than purchase	purchase of land with state grants;purchase of development rights	I liked how rural it felt but itâ€™s starting to get over developed.	Builders on the boards. They sway the votes to ensure friends have work at Grovelands loss. I also dislike the influx of â€œNorth	more than 20 years	young family with young children
a rural town	very important	very important	somewhat important	very important	very important	growth evenly spread throughout town	no growth	agriculture;retail stores;offices	regulating housing development	Yes	town purchase of land;zoning for open space preservation;property tax reduction for farmland	somewhat satisfied	not very satisfied	not satsfied	not satsfied		acquire additional land for open space	very important	Riverfront property	purchase of land with town funds;purchase of land with state grants	Small town feel	Some residents who have limiting beliefs	10-20 years	Adult couple no children
a rural town	neutral	somewhat important	very important	very important	very important	no growth	encourage growth in areas of existing development	light industry	increased commercial development;increased industrial development	Yes	town purchase of land	not very satisfied	not very satisfied	not very satisfied	not very satisfied	conservation areas;local neighborhood parks;improved river access	place equal emphasis on each	very important	Center street pits	purchase of land with state grants	Small town feel	Have to go to Haverhill for every thing	10-20 years	family with older children

a rural town	very important	very important	very important	very important	neutral	no growth	no growth	None	acquisitions of conservation restrictions	Yes	receipt of conservation restrictions; mandatory dedication of farmland by developers	not very satisfied	not very satisfied	neutral	neutral	conservation areas;children play areas;hiking and skiing trails;local neighborhood parks;Splash pad	maintain current recreation and conservation areas	very important	No	purchase of land with state grants	Small town	The building of more houses	5-10 years	young family with young children
a suburb of Boston	very important	very important	very important	very important	very important	encourage growth in areas of already existing development;encourage individual houses vs. subdivisions	encourage growth in areas of existing development	agriculture;grocery/food;retail stores	acquisitions of conservation restrictions	Yes	town purchase of land	not satsfied	not satsfied	not satsfied	not satsfied	bike trails;conservation areas;children play areas;ice skating area;indoor recreation facilities;swimming pool	build additional recreational facilities	very important	I do not know if a particular area.	purchase of land with town funds;purchase of land with state grants	Small town feel and the green open spaces.	The high number of pro Trump citizens.	10-20 years	family with older children
a bedroom community	somewhat important	somewhat important	very important	somewhat important	not very important	encourage individual houses vs. subdivisions	no growth	agriculture	regulating housing development	Yes	property tax reduction for farmland	somewhat satisfied	somewhat satisfied	neutral	not very satisfied	bike trails;hiking and skiing trails;local neighborhood parks;family picnic areas;improved river access	maintain current recreation and conservation areas	somewhat important	no	zoning or bylaw changes	There are not a lot of shopping places so it keeps the traffic down and out of towners away.		5-10 years	family with some grown children no longer at home and children at home
a suburb of Boston	neutral	somewhat important	somewhat important	very important	very important	growth evenly spread throughout town	growth evenly spread throughout town	Restaurant	acquisitions of conservation restrictions;increased commercial development;regulating housing development	Yes	zoning for open space preservation;mandatory dedication of farmland by developers	somewhat satisfied	somewhat satisfied	neutral	neutral	bike trails;children play areas;local neighborhood parks;family picnic areas;improved river access	acquire additional land for open space	somewhat important	None come to mind	purchase of land with town funds;purchase of land with state grants;zoning or bylaw changes	Small town feel...safe place for kids	TBD ;-)	less than 5 years	young family with young children
a bedroom community	very important	very important	very important	very important	very important	encourage growth in areas of already existing development;encourage individual houses vs. subdivisions	encourage growth in areas of existing development	agriculture;sports/golf	acquisitions of conservation restrictions; regulating housing development	Yes	receipt of conservation restrictions; zoning for open space preservation	neutral	neutral	neutral	neutral	bike trails;conservation areas;hiking and skiing trails;local neighborhood parks;improved river access	place equal emphasis on each	very important	river access	purchase of land with state grants;zoning or bylaw changes	Recreational opportunities	increasing traffic	less than 5 years	single young adult - living with others
a rural town	neutral	neutral	not very important	not important	not very important	encourage growth in areas of already existing development;encourage growth in undeveloped areas	encourage growth in areas of existing development;encourage growth in undeveloped areas	light industry;retail stores	extending town sewers to promote development;increased industrial development	No	none	somewhat satisfied	somewhat satisfied	neutral	neutral	sports fields;large multi-use park;improved river access	maintain current recreation and conservation areas	not important	absolutely not Veasey Park is a liabilty	no action	no lights and good people	Undecisive and underperforming boards	10-20 years	family with older children

a rural town	very important	very important	very important	very important	somewhat important	no growth	no growth	agriculture	acquisitions of conservation restrictions	Yes	zoning for open space preservation	very satisfied	very satisfied	very satisfied	very satisfied	bike trails;conservation areas;hiking and skiing trails;improved river access;swimming beach	acquire additional land for open space	very important	Save the Salem st sand pits	purchase of land with town funds	It's small town	Do not want to see apartment complexes	more than 20 years	family - grown children no longer home
a suburb of Haverhill	very important	very important	very important	very important	somewhat important	encourage growth in areas of already existing development	encourage growth in areas of existing development	grocery/food;retail stores	increased commercial development	Yes	mandatory dedication of farmland by developers receipt of conservation restrictions; town purchase of land;zoning for open space preservation;mandatory dedication	neutral	neutral	somewhat satisfied	neutral	bike trails;large multi-use park;local neighborhood parks;improved river access;swimming beach	place equal emphasis on each	neutral	No	no action;zoning or bylaw changes	My historical home	Have to go to Haverhill or Plaistow to do most shopping	less than 5 years	young adult couple - no children
a bedroom community	somewhat important	somewhat important	very important	very important	very important	encourage individual houses vs. subdivisions	no growth	agriculture;grocery/food;sports/golf; offices	acquisitions of conservation restrictions; regulating housing development	Yes	town purchase of land;zoning for open space preservation;mandatory dedication	neutral	neutral	not satsfied	neutral	hiking and skiing trails;local neighborhood parks;improved river access;swimming pool	place equal emphasis on each	very important	No	purchase of land with town funds;purchase of land with state grants;purchase of development rights	Small town feel, town is well governed	Roads need maintenance, taxes are high	5-10 years	young adult couple - no children
a rural town	very important	very important	very important	very important	very important	encourage growth in areas of already existing development	no growth	agriculture;grocery/food	acquisitions of conservation restrictions; regulating housing development	Yes	town purchase of land;zoning for open space preservation;mandatory dedication	somewhat satisfied	somewhat satisfied	not very satisfied	not very satisfied	conservation areas;children play areas;local neighborhood parks;improved river access;indoor recreation	place equal emphasis on each	very important	Open space on Center Street	purchase of land with town funds;purchase of land with state grants;zoning or bylaw changes	Quiet town	traffic	more than 20 years	family - grown children no longer home
a rural town	neutral	somewhat important	neutral	very important	very important	encourage growth in areas of already existing development	encourage growth in areas of existing development	light industry;sports/golf;retail stores	increased commercial development	No opinion	zoning for open space preservation	somewhat satisfied	neutral	neutral	neutral	bike trails;conservation areas;children play areas;hiking and skiing trails;large multi-use park	build additional recreational facilities	neutral	No opinion	partial development	Family friendly community	Not enough commercial tax revenue	5-10 years	young family with young children
a rural town	neutral	neutral	very important	somewhat important	very important	growth evenly spread throughout town	growth evenly spread throughout town	sports/golf	regulating housing development	Yes	town purchase of land	not satsfied	not satsfied	not satsfied	not satsfied	bike trails;children play areas;hiking and skiing trails;large multi-use park;indoor recreation facilities	build additional recreational facilities	very important	Strawberry Fields	purchase of land with state grants	Small town	Nothing for children . boys and girls club would be nice or a indoor facility for them to gather .	more than 20 years	family with older children

a rural town	very important	very important	very important	very important	very important	no growth	encourage growth in areas of existing developmen t	agriculture	regulating housing developmen t	Yes	zoning for open space preservatio n	neutral	neutral	not very satisfied	not very satisfied	bike trails;conser vation areas;sports fields;hiking and skiing trails;family picnic areas	place equal emphasis on each	very important	No	zoning or bylaw changes	Small community	Brown water	10-20 years	family with older children
a rural town	very important	very important	neutral	neutral	somewhat important	growth evenly spread throughout town	growth evenly spread throughout town	grocery/foo d;retail stores	extending town sewers to promote developmen t;increased commercial developmen t;regulating housing developmen t	Yes	zoning for open space preservatio n;property tax reduction for farmland	not very satisfied	not very satisfied	not very satisfied	not satsfied	bike trails;large multi-use park;family picnic areas;indoo r recreation facilities;swi mming beach	place equal emphasis on each	neutral	.....	purchase of land with town funds;purch ase of land with state grants;zonin g or bylaw changes	.....	Everybody is in everybody's business.	5-10 years	Single. Living alone.
a rural town	neutral	neutral	neutral	neutral	very important	growth evenly spread throughout town	growth evenly spread throughout town	grocery/foo d;light industry;ret ail stores	extending town sewers to promote developmen t;increased commercial developmen t	No opinion	property tax reduction for farmland	not very satisfied	not very satisfied	not very satisfied	neutral	bike trails;childre n play areas;indoo r recreation facilities;swi mming pool;swimm ing beach	build additional recreational facilities	neutral	No	no action	Space	Limited restaurants Thereâ€™s not a lot to do especially if you have a baby. The side walks are terrible for strollers and the recreational areas PropertyTax es are ridiculously high in comparison to other towns. The electric and water bills are very high. It seems this	less than 5 years	young family with young children
a rural town	very important	very important	somewhat important	somewhat important	very important	encourage growth in areas of already existing developmen t;encourage growth in undevelope d areas;encou rage	encourage growth in areas of existing developmen t;encourage growth in undevelope d areas	agriculture;g rocery/food ;retail stores	extending town sewers to promote developmen t;increased commercial developmen t	Yes	zoning for open space preservatio n;mandator y dedication of farmland by developers; property tax reduction for farmland	not very satisfied	not very satisfied	not very satisfied	not very satisfied	bike trails;childre n play areas;sports fields;large multi-use park;tennis courts	place equal emphasis on each	somewhat important	No opinion	purchase of developmen t rights	Safe		less than 5 years	young family with young children
a suburb of Haverhill	somewhat important	somewhat important	very important	neutral	not very important	no growth;enc ourage subdivisions	no growth	grocery/foo d	regulating housing developmen t acquisitions of conservatio n restrictions; extending town sewers to promote developmen t;increased commercial	Yes	purchase of developmen t rights receipt of conservatio n restrictions; zoning for open space preservatio n;mandator y dedication of farmland by developers;	very satisfied	very satisfied	not satsfied	not satsfied	bike trails;conser vation areas;hiking and skiing trails;family picnic areas;Better dog park and dog walking area	maintain current recreation and conservatio n areas	not important	No	no action	It's safer living here because we don't attract the riff raff		more than 20 years	senior couple or family
a rural town	very important	very important	very important	very important	very important	growth evenly spread throughout town;encou rage individual houses vs. subdivisions	encourage growth in areas of existing developmen t	agriculture;li ght industry	extending town sewers to promote developmen t;increased commercial	Yes	zoning for open space preservatio n;mandator y dedication of farmland by developers;	somewhat satisfied	somewhat satisfied	neutral	neutral	bike trails;conser vation areas;childr en play areas;sports fields;large multi-use park	place equal emphasis on each	very important	Not sure	purchase of land with state grants	Small friendly town		less than 5 years	young family with young children

a rural town	neutral	neutral	somewhat important	somewhat important	somewhat important	encourage growth in areas of already existing development	encourage growth in areas of existing development	agriculture	regulating housing development	Yes	receipt of conservation restrictions; zoning for open space preservation;purchase of development rights	not satsfied	neutral	neutral	neutral	children play areas;large multi-use park;indoor recreation facilities;swimming pool;swimming beach	build additional recreational facilities	somewhat important	Veasey park	purchase of land with state grants;purchase of development rights	Small community	High taxes	more than 20 years	young family with young children
a rural town	somewhat important	somewhat important	very important	very important	very important	no growth	encourage growth in areas of existing development	offices	acquisitions of conservation restrictions	Yes	property tax reduction for farmland	neutral	neutral	not very satisfied	not very satisfied	conservation areas;improved river access;swimming beach	maintain current recreation and conservation areas	very important	Not sure	purchase of land with state grants	Small quiet town	Town politics	10-20 years	family - grown children no longer home
a suburb of Haverhill	neutral	neutral	not very important	not very important	neutral	encourage growth in areas of already existing development	encourage growth in undeveloped areas	agriculture;grocery/food;light industry;sports/golf;retail stores;office;All types	extending town sewers to promote development;increased commercial development;increased industrial development;regulating	No opinion	mandatory dedication of farmland by developers	somewhat satisfied	somewhat satisfied	somewhat satisfied	somewhat satisfied	bike trails;children play areas;sports fields;hiking and skiing trails;large multi-use park	maintain current recreation and conservation areas	not important	None.	partial development	Some of the small town feel but we need business growth. We can balance both.		more than 20 years	young family with young children
a rural town	somewhat important	somewhat important	very important	very important	somewhat important	growth evenly spread throughout town	encourage growth in areas of existing development	grocery/food;light industry;retail stores	extending town sewers to promote development;increased commercial development	Yes	town purchase of land;zoning for open space preservation;mandatory dedication of farmland by developers	not very satisfied	not very satisfied	not very satisfied	not very satisfied	conservation areas;children play areas;large multi-use park;improved river access;swimming beach	maintain current recreation and conservation areas	very important	Strawberry Fields	purchase of land with state grants	The small town community and rural feel.		5-10 years	young family with young children
a bedroom community	neutral	somewhat important	very important	neutral	somewhat important	no growth;encourage individual houses vs. subdivisions	encourage growth in areas of existing development;encourage growth in undeveloped areas	agriculture;sports/golf;retail stores;office;Any	increased commercial development;increased industrial development;regulating housing development	Yes	zoning for open space preservation;property tax reduction for farmland	neutral	neutral	neutral	neutral	bike trails;ice skating area;family picnic areas;swimming pool;swimming beach	build additional recreational facilities	neutral	No, we own enough land as a town.	zoning or bylaw changes	Itâ€™s a small enough town, yet close to everything we need.	The taxes are so high because of the lack of businesses.	10-20 years	young family with young children
a suburb of Boston	somewhat important	very important	very important	somewhat important	somewhat important	encourage individual houses vs. subdivisions	encourage growth in areas of existing development	Canabas	regulating housing development	Yes	receipt of conservation restrictions; property tax reduction for farmland	somewhat satisfied	somewhat satisfied	neutral	neutral	children play areas;hiking and skiing trails;improved river access;indoor recreation facilities;swimming beach	place equal emphasis on each	somewhat important	Unsure	purchase of land with town funds;purchase of land with state grants	Small town	Politics	10-20 years	young family with young children

a rural town	very important	very important	very important	very important	very important	no growth	encourage growth in areas of existing development	offices	acquisitions of conservation restrictions	Yes	receipt of conservation restrictions	not satsfied	not satsfied	not satsfied	neutral	bike trails;conservation areas;hiking and skiing trails;local neighborhood parks;family picnic areas	acquire additional land for open space	very important	Land along the cemetery down to tiver	purchase of land with town funds;purchase of land with state grants	Safe small town	Approving of land/home lots destroying woods and wetlands	more than 20 years	family with older children
a rural town	somewhat important	somewhat important	somewhat important	somewhat important	somewhat important	encourage individual houses vs. subdivisions	encourage growth in areas of existing development	agriculture;grocery/food	regulating housing development	Yes	zoning for open space preservation;property tax reduction for farmland	not very satisfied	not very satisfied	neutral	neutral	children play areas;hiking and skiing trails;large multi-use park;indoor recreation facilities;swimming beach	maintain current recreation and conservation areas	somewhat important	Do something with what we have	no action	Small town feel	Politics	more than 20 years	young family with young children
a suburb of Haverhill	somewhat important	somewhat important	neutral	not very important	not very important	no growth	no growth	grocery/food	regulating housing development	No opinion	town purchase of land;mandatory dedication of farmland by developers	very satisfied	very satisfied	not very satisfied	not very satisfied	family picnic areas;indoor recreation facilities;swimming pool	maintain current recreation and conservation areas	not very important	No, focus on what you have	no action	Small town community	Uppity snobs trying to change Groveland	10-20 years	single young adult - living with others
a rural town	somewhat important	somewhat important	very important	very important	somewhat important	encourage growth in areas of already existing development	encourage growth in areas of existing development	agriculture;light industry;offices	acquisitions of conservation restrictions;increased commercial development	Yes	receipt of conservation restrictions; zoning for open space preservation;property tax reduction for farmland	neutral	neutral	not very satisfied	neutral	bike trails;conservation areas;hiking and skiing trails;local neighborhood parks	place equal emphasis on each	very important	No	purchase of land with town funds;purchase of land with state grants;purchase of development rights;zoning or bylaw	The rural nature		more than 20 years	senior couple or family
a rural town	somewhat important	very important	very important	very important	very important	encourage individual houses vs. subdivisions	encourage growth in areas of existing development	agriculture;sports/golf	regulating housing development	Yes	zoning for open space preservation;mandatory dedication of farmland by developers	somewhat satisfied	somewhat satisfied	somewhat satisfied	somewhat satisfied	bike trails;sports fields;hiking and skiing trails;ice skating area;large multi-use park	build additional recreational facilities	somewhat important	Center Street land	purchase of land with state grants	Quiet community		5-10 years	young family with young children
a suburb of Haverhill	very important	very important	somewhat important	not very important	not very important	encourage individual houses vs. subdivisions	growth evenly spread throughout town;encourage growth in areas of existing development;encourage growth in undevelope	agriculture;grocery/food;light industry;sports/golf;retail stores;offices	increased commercial development;increased industrial development	No opinion	purchase of development rights	neutral	neutral	neutral	neutral	bike trails;children play areas;golf course;ice skating area;indoor recreation facilities	maintain current recreation and conservation areas	not very important	No stop buying land we need commercial/ industry to lower residential taxes.	no action	No crime	Property taxes and wasting money buying land that sits	more than 20 years	young family with young children

a rural town	very important	very important	very important	very important	very important	growth evenly spread throughout town	encourage growth in areas of existing development	agriculture;grocery/food	acquisitions of conservation restrictions	No opinion	zoning for open space preservation	neutral	not very satisfied	neutral	neutral	bike trails;local neighborhood parks;improved river access	place equal emphasis on each	very important	N/A	purchase of land with state grants	Small town feel.	N/A	10-20 years	young family with young children
a rural town	not very important	neutral	somewhat important	somewhat important	somewhat important	no growth	encourage growth in areas of existing development	grocery/food	increased industrial development;regulating housing development	No opinion	mandatory dedication of farmland by developers	somewhat satisfied	neutral	neutral	neutral	bike trails;children play areas;hiking and skiing trails;indoor recreation facilities;swimming pool	place equal emphasis on each	not important	No	purchase of development rights	Community	Too many new developments.	more than 20 years	young family with young children
a rural town	somewhat important	very important	very important	very important	very important	encourage growth in areas of already existing development	encourage growth in areas of existing development	grocery/food	regulating housing development	Yes	receipt of conservation restrictions; zoning for open space preservation;property tax reduction for farmland	somewhat satisfied	very satisfied	neutral	not very satisfied	bike trails;conservation areas;local neighborhood parks;swimming pool;swimming beach	place equal emphasis on each	very important	No	purchase of land with state grants;purchase of development rights;zoning or bylaw changes	Community	Pizza	less than 5 years	family with older children
a rural town	neutral	neutral	somewhat important	somewhat important	very important	encourage individual houses vs. subdivisions	encourage growth in areas of existing development	sports/golf	regulating housing development	Yes	property tax reduction for farmland	not very satisfied	somewhat satisfied	neutral	neutral	children play areas;sports fields;ice skating area;tennis courts	maintain current recreation and conservation areas	somewhat important	No	purchase of land with state grants	Small town community.	Old way of thinking.	less than 5 years	young family with young children
a rural town	somewhat important	very important	very important	very important	very important	encourage growth in areas of already existing development	encourage growth in areas of existing development	agriculture;light industry;offices	acquisitions of conservation restrictions; regulating housing development	Yes	receipt of conservation restrictions; zoning for open space preservation;mandatory dedication of farmland by developers;	somewhat satisfied	not very satisfied	somewhat satisfied	neutral	bike trails;hiking and skiing trails;large multi-use park;indoor recreation facilities	maintain current recreation and conservation areas	very important	No	purchase of land with town funds;purchase of land with state grants;purchase of development rights;zoning or bylaw	Small town feel		10-20 years	family with older children
a rural town	somewhat important	somewhat important	very important	somewhat important	somewhat important	Growth should be business to lower the tax rate! Use that industrial area!	encourage growth in areas of existing development	agriculture;light industry;sports/golf;offices	increased commercial development;increased industrial development	Yes	zoning for open space preservation	somewhat satisfied	somewhat satisfied	neutral	neutral	bike trails;hiking and skiing trails;local neighborhood parks;improved river access;swimming beach	maintain current recreation and conservation areas	not very important	At tax payer expense? No!	purchase of land with state grants	Location	Taxes	more than 20 years	family - grown children no longer home

a rural town	not important	not very important	somewhat important	somewhat important	somewhat important	encourage individual houses vs. subdivisions	encourage growth in undeveloped areas	agriculture;grocery/food;light industry;sports/golf;retail stores;offices;Restaurants	increased commercial development	Yes	zoning for open space preservation;property tax reduction for farmland	not very satisfied	not very satisfied	neutral	not very satisfied	hiking and skiing trails;improved river access;indoor recreation facilities;swimming pool;tennis courts	build additional recreational facilities	neutral	No	purchase of land with state grants	Peaceful community but could use some additional entertainment options	Getting to the highway	less than 5 years	family - grown children no longer home
a rural town	somewhat important	somewhat important	somewhat important	somewhat important	very important	encourage individual houses vs. subdivisions	growth evenly spread throughout town	agriculture;grocery/food;light industry;sports/golf;retail stores;offices;Restaurants	extending town sewers to promote development;increased commercial development	Yes	property tax reduction for farmland	not satsfied	not satsfied	not satsfied	not satsfied	children play areas;ice skating area;local neighborhood parks;indoor recreation facilities;tennis courts	maintain current recreation and conservation areas	very important	Maintain and improve areas like the pines (for uses other than just sports fields), improve Veasey park to increase	purchase of land with town funds;purchase of land with state grants	Community, safety, neighborhoods	Very little and/or poorly maintained recreation space and almost 0 organized activities for children/families of any age. Most of	more than 20 years	young family with young children
a bedroom community	not very important	not very important	somewhat important	somewhat important	somewhat important	encourage individual houses vs. subdivisions	encourage growth in areas of existing development	grocery/food;retail stores	acquisitions of conservation restrictions; regulating housing development	Yes	receipt of conservation restrictions; town purchase of land;zoning for open space preservation;property tax	not very satisfied	not very satisfied	not very satisfied	not very satisfied	conservation areas;sports fields;hiking and skiing trails;improved river access;indoor recreation facilities	place equal emphasis on each	somewhat important	No	purchase of land with town funds;purchase of land with state grants;purchase of development rights;zoning bylaw	Community	Property tax growth. Selectmen need tho plan better and be more forward thinking.	10-20 years	senior couple or family
a rural town	very important	very important	very important	very important	very important	encourage growth in areas of already existing development	encourage growth in areas of existing development	grocery/food	increased commercial development	Yes	property tax reduction for farmland	neutral	neutral	neutral	neutral	hiking and skiing trails;ice skating area;local neighborhood parks;family picnic areas;indoor recreation facilities	maintain current recreation and conservation areas	very important	Wet lands	purchase of land with state grants	Friendly people	Tax break for wetland land owners	less than 5 years	senior couple or family
a bedroom community	very important	very important	very important	very important	very important	encourage growth in areas of already existing development	encourage growth in areas of existing development	light industry;retail stores;Pot Store	increased commercial development	Yes	zoning for open space preservation;property tax reduction for farmland	not very satisfied	not very satisfied	not satsfied	somewhat satisfied	bike trails;hiking and skiing trails	maintain current recreation and conservation areas	very important	Center Street by Stickney Boulder	purchase of land with state grants	Small town	Having the boat launch/bbq area taken away from Johnson Pond, Center Street side. I loved it, never saw garbage or	more than 20 years	single young adult - living alone
a suburb of Boston	very important	very important	somewhat important	very important	somewhat important	encourage growth in undeveloped areas	encourage growth in undeveloped areas	light industry;offices	acquisitions of conservation restrictions; extending town sewers to promote development;increased commercial	Yes	zoning for open space preservation	not satsfied	not satsfied	not satsfied	not satsfied	bike trails;children play areas;hiking and skiing trails;local neighborhood parks;family picnic areas	place equal emphasis on each	very important	Not at this time.	zoning or bylaw changes	Privacy and community	Petty town politics and refusal to bring in any businesses.	more than 20 years	senior couple or family

a rural town	somewhat important	very important	somewhat important	somewhat important	somewhat important	encourage individual houses vs. subdivisions	encourage growth in areas of existing development	light industry	extending town sewers to promote development	Yes	property tax reduction for farmland	somewhat satisfied	somewhat satisfied	not very satisfied	not satsfied	conservation areas;hiking and skiing trails;improved river access;swimming pool	maintain current recreation and conservation areas	somewhat important	Next to the bridge	purchase of land with state grants	It is rural and small	No common recreation department. No indoor rec center for all citizens	more than 20 years	family - grown children no longer home
a bedroom community	very important	very important	very important	very important	very important	encourage growth in areas of already existing development	encourage growth in areas of existing development	Small retail business/ boutique shops	regulating housing development	Yes	mandatory dedication of farmland by developers; property tax reduction for farmland	not satsfied	not satsfied	not satsfied	neutral	bike trails;conservation areas;sports fields;hiking and skiing trails;ice skating area;family picnic areas;improved river	maintain current recreation and conservation areas	very important	Getty station and waterfront	purchase of land with state grants	Small town feel. Close community	Small town. Close community, everyone knows or wants to know your business	5-10 years	single parent - children at home
a bedroom community	somewhat important	somewhat important	somewhat important	somewhat important	somewhat important	encourage growth in areas of already existing development	growth evenly spread throughout town;encourage growth in areas of existing development;encourage growth in undevelope	agriculture;grocery/food;light industry;sports/golf;retail stores;offices	increased commercial development;increased industrial development	Yes	property tax reduction for farmland	somewhat satisfied	somewhat satisfied	neutral	neutral	bike trails;sports fields;large multi-use park;improved river access	maintain current recreation and conservation areas	somewhat important	No	no action	Small town feel	Lack of businesses	10-20 years	family with older children
a rural town	not very important	somewhat important	not very important	somewhat important	very important	growth evenly spread throughout town	encourage growth in areas of existing development	agriculture;sports/golf;offices	extending town sewers to promote development	No opinion	property tax reduction for farmland	somewhat satisfied	not satsfied	neutral	not very satisfied	children play areas;indoor recreation facilities;Skate Park	maintain current recreation and conservation areas	not important	No	no action	The people	People's attitude towards teenagers	5-10 years	young family with young children
a suburb of Haverhill;a suburb of Boston;a bedroom community	somewhat important	somewhat important	very important	very important	somewhat important	N/A	encourage growth in areas of existing development	agriculture;grocery/food;light industry;sports/golf;retail stores;offices;mixed use including light industry, offices,	increased industrial development;regulating housing development	Yes	receipt of conservation restrictions; town purchase of land;zoning for open space preservation;mandatory dedication	somewhat satisfied	somewhat satisfied	neutral	not satsfied	conservation areas;ice skating area;indoor recreation facilities;swimming pool;swimming beach;better space for elder	acquire additional land for open space	very important	No	purchase of land with town funds;purchase of land with state grants;purchase of development rights;partial	Small town - good for raising kids as everywhere they go in town somebody knows their mother! Manageable population	Lack of diversity. Lack of cohesive plan for development - quick increase in population with multiple subdivisions	more than 20 years	senior couple or family
a bedroom community	not important	neutral	neutral	not important	neutral	growth evenly spread throughout town	encourage growth in areas of existing development	agriculture;grocery/food;light industry;sports/golf	increased commercial development;increased industrial development;regulating housing development	No	property tax reduction for farmland	very satisfied	very satisfied	very satisfied	very satisfied	bike trails	maintain current recreation and conservation areas	not important	No	no action	Affordability	People looking for ways to spend tax payers money	5-10 years	family with older children

a rural town;a suburb of Haverhill	somewhat important	somewhat important	very important	somewhat important	somewhat important	growth evenly spread throughout town;encourage individual houses vs. subdivisions	encourage growth in areas of existing development	agriculture;light industry	increased industrial development	No opinion	N/A	neutral	somewhat satisfied	somewhat satisfied	somewhat satisfied	bike trails;conservation areas;hiking and skiing trails;large multi-use park;local neighborhood parks	maintain current recreation and conservation areas	neutral	No	partial development	Quiet	Traffic ticket quotas; speed traps	5-10 years	senior couple or family
a rural town;a suburb of Boston	not very important	not very important	very important	somewhat important	somewhat important	encourage growth in areas of already existing development;encourage subdivisions	encourage growth in areas of existing development	agriculture;light industry	regulating housing development	Yes	receipt of conservation restrictions; zoning for open space preservation;property tax reduction for farmland;pu	somewhat satisfied	somewhat satisfied	somewhat satisfied	somewhat satisfied	family picnic areas;improved river access	maintain current recreation and conservation areas	neutral	No	no action	Sense of community	Lack of noise control regulations. Give us one weekend day of quiet	10-20 years	senior living alone
a rural town	somewhat important	somewhat important	very important	very important	very important	no growth	no growth	agriculture	acquisitions of conservation restrictions	Yes	zoning for open space preservation;property tax reduction for farmland	neutral	neutral	neutral	neutral	bike trails;conservation areas;children play areas;hiking and skiing trails;large multi-use park	acquire additional land for open space	very important	No	purchase of land with town funds;purchase of land with state grants	Small town feel. Quiet	No starbucks. Too many houses being built.	more than 20 years	family - grown children no longer home
a rural town	somewhat important	somewhat important	somewhat important	somewhat important	somewhat important	growth evenly spread throughout town	encourage growth in areas of existing development	agriculture; Restaurant	increased industrial development	Yes	town purchase of land;property tax reduction for farmland;purchase of development rights	neutral	neutral	neutral	neutral	bike trails;hiking and skiing trails;family picnic areas;outdoor performance space	maintain current recreation and conservation areas	somewhat important	No	purchase of land with town funds;purchase of land with state grants	The safety, peace and friendliness, and affordability	Some road conditions	more than 20 years	senior living alone
a rural town	very important	neutral	neutral	very important	neutral	growth evenly spread throughout town;encourage individual houses vs. subdivisions	encourage growth in areas of existing development;encourage growth in undeveloped areas	light industry	acquisitions of conservation restrictions	Yes	receipt of conservation restrictions; zoning for open space preservation;property tax reduction for farmland	somewhat satisfied	somewhat satisfied	not satsfied	not satsfied	bike trails;conservation areas;hiking and skiing trails;large multi-use park;local neighborhood parks	place equal emphasis on each	somewhat important	No	no action	N/A	N/A	more than 20 years	senior couple or family
a rural town;a suburb of Boston;a bedroom community	not important	not important	neutral	not very important	not very important	encourage individual houses vs. subdivisions	encourage growth in areas of existing development	light industry;sports/golf;retail stores;offices	acquisitions of conservation restrictions; regulating housing development	Yes	zoning for open space preservation	not very satisfied	not very satisfied	neutral	neutral	bike trails;conservation areas;children play areas;sports fields;ice skating area	maintain current recreation and conservation areas	not very important	No	no action	The small town feel	N/A	less than 5 years	senior living alone

a bedroom community	somewhat important	somewhat important	somewhat important	neutral	somewhat important	growth evenly spread throughout town	encourage growth in areas of existing development	light industry;sports/golf	regulating housing development	Yes	receipt of conservation restrictions; zoning for open space preservation	somewhat satisfied	somewhat satisfied	somewhat satisfied	somewhat satisfied	conservation areas;hiking and skiing trails;ice skating area;improved river access	maintain current recreation and conservation areas	somewhat important	No	purchase of land with state grants;purchase of development rights	Great Town	N/A	more than 20 years	senior living alone
a suburb of Boston	somewhat important	not very important	not very important	not important	not very important	growth evenly spread throughout town;encourage individual houses vs. subdivisions	encourage growth in areas of existing development	light industry	increased commercial development;increased industrial development	No	N/A	very satisfied	very satisfied	very satisfied	very satisfied	sports fields	maintain current recreation and conservation areas	not very important	NO	no action	RESIDENTS	BALLOONING TAXES AND CONSERVATION COMMITTEE BEING RIDICULIUS WITH PEOPLE WANTING TO	more than 20 years	single young adult - living alone
a bedroom community	not important	not very important	very important	very important	somewhat important	encourage growth in areas of already existing development	encourage growth in areas of existing development	agriculture;light industry	acquisitions of conservation restrictions; regulating housing development	Yes	receipt of conservation restrictions; town purchase of land;zoning for open space preservation;mandatory dedication	somewhat satisfied	somewhat satisfied	neutral	neutral	bike trails;conservation areas;hiking and skiing trails;improved river access;TRAILS THAT LINK TO EXISTING TRAILS	acquire additional land for open space	very important	NO	purchase of land with town funds;purchase of land with state grants;purchase of development rights;zoning or bylaw	That it is essentially a quiet bedroom community	walking and biking and x-c skiing areas are not contiguous	more than 20 years	senior couple or family
a rural town	very important	very important	very important	very important	very important	growth evenly spread throughout town	encourage growth in areas of existing development	agriculture;grocery/food;light industry;sports/golf;retail stores;office	acquisitions of conservation restrictions;increased commercial development;increased industrial development;regulating	Yes	receipt of conservation restrictions; zoning for open space preservation;purchase of development rights	neutral	not very satisfied	neutral	not very satisfied	hiking and skiing trails;local neighborhood parks;improved river access;tennis courts;swimming beach	maintain current recreation and conservation areas	very important	no	purchase of land with town funds;purchase of land with state grants;purchase of development rights	quiet and safe	no money pit the Pines has become and never complete. Veasey park cannot generate money to pay all costs and insurance	less than 5 years	senior living alone
a rural town	not important	not important	not important	not important	not important	encourage growth in undeveloped areas;encourage individual houses vs. subdivisions	encourage growth in areas of existing development	grocery/food	extending town sewers to promote development	Yes	property tax reduction for farmland	very satisfied	very satisfied	not satsfied	not satsfied	senior center; community center	maintain current recreation and conservation areas	neutral	no	no action	small town. minimal industry and business		more than 20 years	senior couple or family
a bedroom community	neutral	neutral	very important	very important	somewhat important	no growth;growth evenly spread throughout town	no growth;growth evenly spread throughout town	grocery/food;light industry	acquisitions of conservation restrictions; regulating housing development	Yes	receipt of conservation restrictions; town purchase of land;zoning for open space preservation	not very satisfied	somewhat satisfied	neutral	not satsfied	bike trails;conservation areas;children play areas;local neighborhood parks;family picnic areas	place equal emphasis on each	very important	no	purchase of land with town funds;purchase of land with state grants;zoning or bylaw changes	I like the smallness and quiet of the town	seniors are being forced to leave because of high taxes. also too much development and subdivisions	5-10 years	senior couple or family

a rural town;a suburb of Haverhill	somewhat important	somewhat important	very important	very important	very important	growth evenly spread throughout town;encourage individual houses vs. subdivisions	encourage growth in areas of existing development	agriculture;grocery/food;sports/golf	acquisitions of conservation restrictions; regulating housing development	Yes	receipt of conservation restrictions; zoning for open space preservation;property tax reduction for farmland	neutral	neutral	neutral	neutral	swimming pool;tennis courts;swimming beach	maintain current recreation and conservation areas	somewhat important	no	purchase of land with town funds;purchase of land with state grants	Rural atmosphere	n/a	10-20 years	senior living alone
a suburb of Haverhill;a suburb of Boston;a bedroom community	not important	not important	somewhat important	neutral	somewhat important	encourage growth in areas of already existing development;encourage individual houses vs. subdivisions	growth evenly spread throughout town;encourage growth in undeveloped areas	agriculture;grocery/food;light industry;retail stores;office like exercise studios	extending town sewers to promote development;increased commercial development;regulating housing development	Yes	zoning for open space preservation;mandatory dedication of farmland by developers; property tax reduction for farmland	not satsfied	not satsfied	not satsfied	not very satisfied	children play areas;ice skating area;family picnic areas;swimming pool;swimming beach	maintain current recreation and conservation areas	neutral	Veasy Park	purchase of land with state grants;partial development;zoning or bylaw changes	some wonderful families. Love the Paul Revere Bell	As a town the personality of Groveland is mean and selfish. Laws are very selectively enforced. The town is at best	more than 20 years	senior couple or family
a rural town	very important	neutral	neutral	very important	neutral	encourage growth in areas of already existing development	encourage growth in areas of existing development	agriculture;light industry	regulating housing development	Yes	receipt of conservation restrictions; town purchase of land;zoning for open space preservation	very satisfied	very satisfied	neutral	neutral	hiking and skiing trails;swimming pool	place equal emphasis on each	very important	no	purchase of land with state grants	Its home	increased traffic and increased building	more than 20 years	senior couple or family
a bedroom community	very important	very important	somewhat important	not important	not very important	growth evenly spread throughout town	encourage growth in areas of existing development;encourage growth in undeveloped areas	agriculture;grocery/food;light industry;sports/golf;retail stores;offices	increased commercial development;increased industrial development	No opinion	property tax reduction for farmland	very satisfied	somewhat satisfied	not very satisfied	not satsfied	bike trails;hiking and skiing trails;ice skating area;family picnic areas;improved river access	maintain current recreation and conservation areas	not important	no	no action	close to boston	no public transportation - town purchasing too much land not enough for seniors to do	more than 20 years	senior living alone
a rural town	very important	very important	somewhat important	somewhat important	somewhat important	encourage growth in areas of already existing development	encourage growth in areas of existing development	agriculture;grocery/food;light industry;sports/golf;retail stores;offices;medical	acquisitions of conservation restrictions;increased commercial development;increased industrial development;regulating	Yes	receipt of conservation restrictions; zoning for open space preservation	not very satisfied	not very satisfied	not very satisfied	not very satisfied	bike trails;hiking and skiing trails;large multi-use park;swimming pool;pickleball courts	acquire additional land for open space	very important	no	purchase of land with state grants;purchase of development rights;zoning or bylaw changes	the people, schools	poor roads and little recreation	more than 20 years	senior couple or family
a bedroom community	not important	not important	very important	not important	not important	encourage growth in areas of already existing development;encourage individual houses vs. subdivisions	encourage growth in areas of existing development	light industry	increased industrial development;regulating housing development	Yes	zoning for open space preservation;mandatory dedication of farmland by developers	very satisfied	very satisfied	very satisfied	very satisfied	new pistol range to also be for boy/girl scouts archery	maintain current recreation and conservation areas	not important	no	no action	less government / no town management	taxes on the elderly people living on social security	more than 20 years	senior living alone

a bedroom community	not very important	neutral	somewhat important	somewhat important	not very important	encourage growth in areas of already existing development	encourage growth in areas of existing development	agriculture;light industry;small businesses; hardware store	acquisitions of conservation restrictions extending town sewers to promote development;increased commercial development;increased industrial development	Yes	receipt of conservation restrictions; town purchase of land;zoning for open space preservation;property tax	somewhat satisfied	somewhat satisfied	not very satisfied	not very satisfied	bike trails;conservation areas;hiking and skiing trails;local neighborhood parks;outdoor performance space	place equal emphasis on each	somewhat important	Adamopolous property (king and center)	purchase of land with town funds;purchase of land with state grants;partial development	peace and quiet at night (although even that is changing). Voluntary spirit in the community	Vehicle speeders (using our town as a commuter speedway). Outrageous real estate taxes. no sidewalks and dogging cars on king	more than 20 years	senior living alone
a suburb of Haverhill	very important	neutral	very important	somewhat important	neutral	growth evenly spread throughout town;encourage subdivisions	encourage growth in areas of existing development	light industry;offices;seafood restaurant on the river		Yes	zoning for open space preservation;property tax reduction for farmland	somewhat satisfied	very satisfied	not very satisfied	not very satisfied	bike trails;hiking and skiing trails;improved river access;swimming pool;swimming beach children play areas;ice skating area;family picnic areas;indoor recreation facilities;swimming beach;basketball court	acquire additional land for open space	somewhat important	Old Getty Gas Station in the square	purchase of land with town funds;purchase of land with state grants;purchase of development rights;zoning or bylaw	safety - quick access to Haverhill and shopping - the River - good schools - nice middle class - reasonable taxes	some road conditions and as an adult there are no attractions	more than 20 years	senior couple or family
a rural town;a suburb of Haverhill	neutral	neutral	neutral	neutral	neutral	growth evenly spread throughout town	encourage growth in areas of existing development	agriculture;grocery/food;light industry;retail stores	regulating housing development	Yes	zoning for open space preservation;mandatory dedication of farmland by developers; property tax reduction for farmland	not very satisfied	not very satisfied	not very satisfied	not very satisfied		build additional recreational facilities	not important	no	purchase of development rights	all the country roads to walk on in piece	the massive amounts of lyme ticks	10-20 years	senior couple or family
a rural town;a bedroom community	very important	very important	very important	neutral	neutral	encourage growth in undeveloped areas;encourage individual houses vs. subdivisions	encourage growth in undeveloped areas	senior center/ boys and girls club	increased commercial development;increased industrial development	Yes	receipt of conservation restrictions; property tax reduction for farmland	somewhat satisfied	somewhat satisfied	not satsfied	not satsfied	indoor recreation facilities;swimming pool;senior center	build additional recreational facilities	neutral	Garrison Street for Senior Center	purchase of land with state grants	quiet. low crime. feeling of being out in the country	town politicians power going to their heads. all the petty fighting. need direct and articulate decision making	more than 20 years	senior couple or family
a rural town	somewhat important	neutral	neutral	not very important	not important	no growth	no growth	agriculture;grocery/food;light industry;sports/golf;retail stores;offices	increased commercial development;regulating housing development	Yes	mandatory dedication of farmland by developers	very satisfied	very satisfied	not very satisfied	not very satisfied	none	maintain current recreation and conservation areas	not important	no	purchase of land with state grants	small town like it was - seems to be getting airs above it self - like needs to keep up with the jones'	tax increases regularly - emphasis on Pines and raising costs to maintain - feel should be self sufficient - roads and	more than 20 years	senior couple or family
a rural town;a suburb of Haverhill	very important	very important	very important	very important	very important	growth evenly spread throughout town	no growth	retail stores	regulating housing development	Yes	receipt of conservation restrictions	neutral	neutral	neutral	neutral	bike trails;conservation areas;hiking and skiing trails;family picnic areas	maintain current recreation and conservation areas	somewhat important	no	zoning or bylaw changes	been here for over 40+ years	it's like a small city now, it was a nice quiet, small town. Grown too much	more than 20 years	senior living alone

a rural town	neutral	very important	very important	very important	very important	encourage growth in areas of already existing developmen t;encourage individual houses vs. subdivisions	encourage growth in areas of existing developmen t	agriculture;g rocery/food	regulating housing developmen t	Yes	zoning for open space preservatio n;property tax reduction for farmland	somewhat satisfied	neutral	neutral	neutral	bike trails;conser vation areas;large multi-use park;local neighborho od parks;impro ved river access	place equal emphasis on each	very important	no	purchase of land with state grants	quiet not overly regulated, not too crowded. small town feel	n/a	5-10 years	senior couple or family
a rural town;a bedroom community	very important	very important	very important	neutral	neutral	encourage growth in undevelope d areas;encou rage individual houses vs. subdivisions	encourage growth in undevelope d areas	senior center	increased commercial developmen t;increased industrial developmen t	Yes	receipt of conservatio n restrictions; property tax reduction for farmland	very satisfied	very satisfied	not satsfied	not satsfied	indoor recreation facilities;swi mming pool;senior center	build additional recreational facilities	neutral	land on garrison street	purchase of land with state grants	calm. low crime. feel like you are away from the city	politicians power hungry goes to their head not listening to the seniors	more than 20 years	senior couple or family
a rural town;a bedroom community	somewhat important	neutral	not important	not very important	neutral	encourage growth in areas of already existing developmen t;encourage individual houses vs. subdivisions	encourage growth in areas of existing developmen t	agriculture;li ght industry	acquisitions of conservatio n restrictions; regulating housing developmen t	Yes	receipt of conservatio n restrictions; town purchase of land;zoning for open space preservatio n;mandator y dedication	not satsfied	not satsfied	not satsfied	not satsfied	local neighborho od parks;impro ved river access;swim ming pool;swimm ing beach;outd oor performanc	place equal emphasis on each	not very important	no	purchase of land with state grants;purc hase of developmen t rights;zonin g or bylaw changes	safety - schools	taxes	more than 20 years	senior living alone
a rural town	somewhat important	somewhat important	somewhat important	very important	somewhat important	encourage growth in areas of already existing developmen t;encourage individual houses vs. subdivisions	encourage growth in areas of existing developmen t	agriculture	acquisitions of conservatio n restrictions; extending town sewers to promote developmen t;regulating housing	Yes	receipt of conservatio n restrictions; town purchase of land;zoning for open space preservatio n;property tax	very satisfied	somewhat satisfied	not very satisfied	not satsfied	conservatio n areas;hiking and skiing trails;indoor recreation facilities;ten nis courts	maintain current recreation and conservatio n areas	very important	no	purchase of land with state grants	close to beaches, access to Merrimack river, safe rural feel	traffic, road conditions	more than 20 years	senior couple or family
a rural town	neutral	somewhat important	very important	very important	neutral	encourage growth in areas of already existing developmen t	encourage growth in areas of existing developmen t	agriculture;li ght industry	regulating housing developmen t	Yes	receipt of conservatio n restrictions; zoning for open space preservatio n;purchase of developmen t rights	very satisfied	very satisfied	very satisfied	very satisfied	conservatio n areas;hiking and skiing trails;impro ved river access;swim ming beach;outd oor performanc e space	acquire additional land for open space	very important	no	purchase of land with state grants;purc hase of developmen t rights	small town - rural - yet shops just over the bridge very easy to get to highway north to NH, Maine, Vermont and beyond. Also south to boston and cape cod. great town	property taxes out of control - almost like NH - yet we still have sales tax, income tax, etc.	more than 20 years	senior couple or family
a rural town	not very important	not very important	not very important	not very important	not important	encourage growth in areas of already existing developmen t	encourage growth in areas of existing developmen t	retail stores	regulating housing developmen t	No opinion	zoning for open space preservatio n	neutral	neutral	neutral	neutral	none	maintain current recreation and conservatio n areas	neutral	no	no action	nothing, we love Groveland	10-20 years	senior couple or family

APPENDIX C

OPEN SPACE AND RECREATION PLAN



PUBLIC MEETING

Open Space and Recreation Plans are a five-year action plan that allows the Town to maintain and enhance all of the open space and recreation activities for our residents. This Public Meeting is to hear directly from residents about how our open spaces and recreation areas are used and how they could be improved. We would like your feedback!

Monday, October 21, 2019 6:30PM

Town Hall, 183 Main Street Groveland MA 01834

For more information, contact Rebecca Oldham, Town Planner, at (978) 556-7215 or ROldham@grovelandma.com

SOAR ANALYSIS

For Groveland's Open Space & Recreation Plan

STRENGTHS

- What places/programs are we most proud of in Groveland related to open space & recreation?
- What makes our community unique?
- What are our recent achievements regarding open space and recreation?
- What community strengths helped Groveland achieve these results?
- What about Groveland's open space and recreation program stands out in the region/what is unique?

ASPIRATIONS

- What are Groveland residents deeply passionate about?
- Reflecting on Groveland's "Strengths" and "Opportunities" where should we look to grow in the future?
- What strategic initiatives (projects, programs and processes) would support these "Aspirations"?

OPPORTUNITIES

- What are the top three open space or recreation opportunities on which Groveland should focus its efforts?
- What are additional programs that are not available in the community but are needed by residents?
- How can Groveland address the challenges that may exist to obtaining/implementing these new opportunities?
- What additional resources are available/needed?

RESULTS

- Considering the Strengths, Opportunities and Aspirations identified what meaningful measures would indicat that Groveland is on track to achieving its goals?
- What resources are needed to implement vital projects?
- How should success be shared to encourage others to support the identified goals?

Open Space & Recreation Plan Update
Public Meeting: SOAR Analysis
October 21, 2019

STRENGTHS

- Veasey Property
- Meadow Pond
- Center Street Greenway
- Town Forest
- Mixed-use at the Pines Recreation Area
    - Paving
    - Boat ramp
    - Dog Park
    - Bathrooms
- The programs at Veasey Memorial Park
    - Library collaboration
- Youth Sports
    - Shanahan Fields
    - Washington Park
    - Pines
- Washington Hall programming through the Historical Society
- Little Red School House and the Garden Club
- Country setting
    - Wildlife
        - Birds
        - Turtles
        - Eagles
- Council on Aging programing
- Johnsons Pond development
    - Recreation
    - Habitat
    - Invasive
- School Open Space Program
- Mike Dempsey as an advocate/ facilitator/volunteer
- Scout groups
- Town Planner
- Community Preservation Act

OPPORTUNITIES

- Signage
- Maps/Promote trails
- Trail markings
- Expansion of trails (Center Street)
- Educations – identify special resources
- Center Street – host Town event

    - Address erosion
    - Concerns about shooting range
    - Dog Park expansion
- Rail Trail connection to future open space
- Accessible Trails
- More use for small properties
- Expand Johnsons Pond
- Work with artist on open space
- Use of state trails at Crane Pond Wildlife Management Area
    - Parking
- Trail inventory utilizing GPS
- Complete Streets funding for sidewalk connections
- Parking
- Center Street Greenway feasibility/master plan
    - Mountain biking trails
    - Christmas Tree burning event
    - Adventure race
    - Larger dog park
- Invasive species management

ASPIRATIONS

- Small and quaint
- Quiet and Peaceful
- Safe
- Small parcel off of Benjamin Street near Johnsons Pond to expand opportunities and access
    - Parking
    - Boat launch
- Parcel owned by the City of Haverhill that was the former pump station and potential re-development opportunity
    - Boathouse
    - Parking
- Parcel over Groveland line in Boxford – work with Boxford to preserve green space
- Merrimack River
- Bird inventory
- NHESP and Crane Pond Wildlife Management Area
- Mountain Biking
- Get message out
    - use cable access
- Connect people to open spaces
- More programs for older people
    - Programs combining Council on Aging and students

Open Space & Recreation Plan Update
Public Meeting: SOAR Analysis
October 21, 2019

- Engage Boxford and Haverhill on Johnsons Pond

RESULT

- More volunteers
- Citizens excited about programs
- Better communication of opportunities
- Engaging students – volunteer hours/service programs
- Town wide cleanup
    - Scavenger hunt
- Northern Essex Partnership
- Geocaching

APPENDIX D

Facility Inventory	LOCATION:	Cemetery Brook Conservation Area	STREET ADDRESS:
JURISDICTION & MANAGEMENT:		ConservationCommission	Balch Avenue
Site Description (from Open Space & Recreation Plan): Wetlands, Banks to Open Water, Wildlife Habitat, Passive Recreation, Larger Natural Habitat - on street parking only, no site trails or paths			
ACTIVITY	EQUIPMENT	NOTES	*Comments/Transition Notes*
Picnic Facilities	Tables & Benches	Located adjacent to accessible paths	None
		Access to Open Spaces	
		Back and Arm Rests	
		Adequate number	
	Grills	Height of Cooking Surface	None
		Located adjacent to accessible paths	
	Trash Cans	Located adjacent to accessible paths	
	Picnic Shelters	Located adjacent to accessible paths	None
		Located near accessible water fountains, trash can, restroom, parking, etc.	
Trails	None	Surface material	None
		Dimensions	
		Rails	
		Signage (for visually impaired)	
Swimming Facilities	Pools	Entrance	None
		Location from accessible parking	
		Safety features i.e., warning for visually impaired	
	Beaches	Location from accessible path into water	None
		Handrails	
		Location from accessible parking	
		Shade provided	
Play Areas (tot lots)	All Play Equipment i.e. swings, slides	Same experience provided to all	None
	Access Routes	Located adjacent to accessible paths	
		Enough space between equipment for wheelchair	

Facility Inventory	LOCATION:	Cemetery Brook Conservation Area	STREET ADDRESS:
JURISDICTION & MANAGEMENT:		ConservationCommission	Balch Avenue
Site Description (from Open Space & Recreation Plan): Wetlands, Banks to Open Water, Wildlife Habitat, Passive Recreation, Larger Natural Habitat - on street parking only, no site trails or paths			
ACTIVITY	EQUIPMENT	NOTES	*Comments/Transition Notes*
Game Areas: *ballfield *basketball *tennis	Access Routes	Located adjacent to accessible paths	None
		Berm cuts onto courts	
	Equipment	Height	None
		Dimensions	
		Spectator Seating	
Boat Docks	Access Routes	Located adjacent to accessible paths	None
		Handrails	
Fishing Facilities	Access Routes	Located adjacent to accessible paths	None
		Handrails	
	Equipment	Arm rests	None
		Bait shelves	
		Handrails	
		Fish Cleaning Tables	
Programming	Are special programs at your facilities accessible?	Learn-to-Swim	
		Guided Hikes	None
		Interpretive Programs	None
Services and Technical Assistance	Information available in alternative formats i.e., for visually impaired		None
	Process to request interpretive services (i.e. sign language interpreter) for meetings		
Notes:			

LOCATION:	Cemetery Brook Conservation Area		
PARKING - Side of road only			
Total Spaces	*Required Accessible Spaces*		
Up to 25	1 space - None		
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		
Specifications for Accessible Spaces	*Yes*	*No*	*Comments/Transition Notes*
Accessible space located closest to accessible entrance			None
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			
RAMPS			None
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 (4 ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction			
Notes:			Very limited parking

LOCATION:	Cemetery Brook Conservation Area		
SITE ACCESS, PATH OF TRAVEL, ENTRANCES	No paths or trails		
Specification	*Yes*	*No*	*Comments/Transition Notes*
Accessible path of travel from passenger disembarking area and parking area to accessible entrance			None
Disembarking area at accessible entrance			
Surface evenly paved or hard-packed			
No ponding of water			
Path of Travel			None
Path does not require the use of stairs			
Path is stable, firm and slip resistant			
3 ft wide minimum			
Slope Maximum 1:20 (5%) and maximum cross pitch is 2% (1:50)			
Continuous common surface, no changes in level greater than 1/2 inch			
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane			
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"			
Curb on the pathway must have curb cuts at drives, parking and drop-offs			
Entrances			None
Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and not be the service entrance			
Level space extending 5 ft. from the door, interior and exterior of entrance doors			
Minimum 32" clear width opening (i.e., 36" door with standard hinge)			
At least 18" clear floor area on latch, pull side of door			
Door handle no higher than 48" and operable with a closed fist			
Vestibule is 4 ft plus the width of the door swinging into the space			
Entrance(s) on a level that makes elevators accessible			
Door mats less than 1/2 " thick are securely fastened			
Door mats more than 1/2" thick are recessed			
Grates in path of travel have openings of 1/2" maximum			
Signs at non-accessible entrance(s) indicate direction at accessible entrance			
Emergency egress - alarms with flashing lights and audible signals, sufficiently lighted			
Notes:			

LOCATION:	Cemetery Brook Conservation Area		
STAIRS and DOORS	None		
Specification	*Yes*	*No*	*Comments/Transition Notes*
Stairs			
No open risers			
Nosings not projecting			
Treads no less than 11" wide			
Handrails on both sides			
Handrails 34" -38" above tread			
Handrail extends a minimum of 1 ft beyond top and bottom riser (if no safety hazard and space permits)			
Handgrip oval or round			
Handgrip has a smooth surface			
Handgrip diameter between 1 1/4" and 1 1/2"			
1 1/2" clearance between wall and handrail			
Doors			
Minimum 32" clear opening			
At least 18" clear floor space on pull side of door			
Closing speed minimum 3 seconds to within 3" of the latch			
Maximum pressure 5 pounds interior doors			
Threshold maximum 1/2" high, beveled on both sides			
Hardware operable with a closed fist (no conventional door knobs or thumb latch devices)			
Hardware minimum 36", maximum 48" above the floor			
Clear, level floor space extends out 5 ft from both sides of the door			
Door adjacent to revolving door is accessible and unlocked			
Doors opening into hazardous area have hardware that is knurled or roughened			
Notes:			Medium Recreation Potential

LOCATION:	Cemetery Brook Conservation Area		
RESTROOMS - also see Doors and Vestibules	None		
Specification	***Yes***	***No***	***Comments/Transition Notes***
5 ft turning space measured 12" from the floor			
At least one Sink:			
Clear floor space of 30" by 48" to allow a forward approach			
Mounted without pedestal or legs, height 34" to top of rim			
Extends at least 22" from the wall			
Open knee space a minimum 19" deep, 30" width, and 27" high			
Cover exposed pipes with insulation			
Faucets operable with closed fist (lever or spring activated handle)			
At least one Stall:			
Accessible to person using wheelchair at 60" wide by 72" deep			
Stall door is 36" wide			
Stall door swings out			
Stall door is self-closing			
Stall door has a pull latch			
Lock on stall door is operable with a closed fist, and 32" above the floor			
Coat hook is 54" high			
Toilet			
18" from center to nearest side wall			
42" minimum clear space from center to farthest wall or fixture			
Top of seat 17"-19" above the floor			
Grab Bars			
On back and side wall closest to toilet			
1 1/4" diameter			
1 1/2" clearance to wall			
Located 30" above and parallel to the floor			
Acid-etched or roughened surface			
42" long			
Fixtures			
Toilet paper dispenser is 24" above floor			
One mirror set a maximum 38" to bottom (if tilted, 42")			
Dispensers (towel, soap, etc.) at least one of each a maximum 42" above the floor			
NOTES			

LOCATION:	Cemetery Brook Conservation Area		
FLOORS, DRINKING FOUNTAINS, TELEPHONES	None		
Specification	***Yes***	***No***	***Comments/Transition Notes***
Floors			
Non-slip surface			
Carpeting is high-density, low-pile, non-absorbent, stretched taut, securely anchored			
Corridor width minimum is 3 ft			
Objects (signs, ceiling lights, fixtures) can only protrude 4" into the path of travel from a height of 27" to 80" above the floor			
Drinking Fountains			
Spouts no higher than 36" from floor to outlet			
Hand operated push button or level controls			
Spouts located near front with stream of water as parallel to front as possible			
If recessed, recess a minimum 30" width, and no deeper than depth of fountain			
If no clear knee space underneath, clear floor space 30" x 48" to allow parallel approach			
Telephones			
Highest operating part a maximum 54" above the floor			
Access within 12" of phone, 30" high by 30" wide			
Adjustable volume control on headset so identified			
SIGNS, SIGNALS, AND SWITCHES			
Specification	***Yes***	***No***	***Comments/Transition Notes***
Switches, Controls and Signs			
Switches and controls for light, heat, ventilation, windows, fire alarms, thermostats, etc., must be a minimum of 36" and a maximum of 48" above the floor for a forward reach, a maximum of 54" for a side reach			
Electrical outlets centered no lower than 18" above the floor			
Warning signals must be visual as well as audible			
Signs			
Mounting height must be 60" to centerline of the sign			
Within 18" of door jamb or recessed			
Letters and number at least 1 1/4" high			
Letters and numbers raised .03"			
Letters and numbers contrast with the background color			
NOTES			

LOCATION:	Cemetery Brook Conservation Area		
SWIMMING POOLS - accessibility can be via ramp, lifting device, or transfer area - None			
Specification	*Yes*	*No*	*Comments/Transition Notes*
Ramp at least 34" wide with a non-slip surface extending into the shallow end, slope not exceeding 1:6 with handrails on both sides			
Lifting device			
Transfer area 18" above the path of travel and a minimum of 18" wide			
Unobstructed path of travel not less than 48" wide around pool			
Non-slip surface			
SHOWER ROOMS - Showers must accommodate both wheel-in and transfer use - None			
Specification	*Yes*	*No*	*Comments/Transition Notes*
Stalls 36" by 60" minimum, with a 36" door opening			
Floors are pitched to drain the stall at the corner farthest from entrance			
Floors are non-slip surface			
Controls operate by a single lever with a pressure balance mixing valve			
Controls are located on the center wall adjacent to the hinged seat			
Shower heads attached to a flexible metal hose			
Shower heads attached to wall mounting adjustable from 42" to 72" above the floor			
Seat is hinged and padded and at least 16" deep, folds upward, securely attached to side wall, height is 18" to the top of the seat, and at least 24" long			
Soap trays without handhold features unless they can support 250 pounds			
2 grab bars are provided, one 30" and one 48" long, or one continuous L shaped bar			
Grab bars are placed horizontally at 36" above the floor line			
PICNICKING			None
Specification	*Yes*	*No*	*Comments/Transition Notes*
space under the table top not less than 30" wide and 19" deep per seating space and not less than 27" clear from the ground to the underside of the table. An additional 29" clear space (totaling 48") must extend beyond the 19" clear space under the table to provide access			
For tables without toe clearance, the knee space under the table must be at least 28" high, 30" wide and 24" deep.			
Top of table no higher than 32" above ground			
Surface of the clear ground space under and around the table must be stable, firm and slip-resistant, and evenly graded with a maximum slope of 2% in all directions			
Accessible tables, grills, and fire rings must have clear ground space of at least 36" around the perimeter			
NOTES			

Date:	08/01/19	Location: Cemetery Brook Conservation Area		Schedule of Changes		
				(pending appropriate levels of funding)		
		Physical Barriers	Necessary Changes	Changes to be implemented by the end of FY...	Yearly schedule of Changes (if the Transition Plan is more than 1 year long)	Responsible Person
1.0	Activities & Equipment:					
2.0	Parking/Ramps:	On street parking only	None anticipated			
2.1						
2.2						
2.3						
3.0	Site Access, Path of Travel, Entrances:		No site paths or trails			
3.1	Entrance:					
4.0	Stairs & Doors:					
5.0	Restrooms:					
6.0	Floors, Drinking Fountains, Telephones, Signs, Switches, & Signals:					
7.0	Swimming Pools & Picnicking:					

Facility Inventory	LOCATION:	Center Street Greenway	STREET ADDRESS:
JURISDICTION & MANAGEMENT:		Conservation Commission	150 Center Street
Site Description (from Open Space & Recreation Plan): Wetlands, Wildlife Habitat, Passive Recreation			
ACTIVITY	EQUIPMENT	NOTES	*Comments/Transition Notes*
Picnic Facilities	Tables & Benches	Located adjacent to accessible paths	None
		Access to Open Spaces	
		Back and Arm Rests	
		Adequate number	
	Grills	Height of Cooking Surface	None
		Located adjacent to accessible paths	
	Trash Cans	Located adjacent to accessible paths	None
	Picnic Shelters	Located adjacent to accessible paths	None
		Located near accessible water fountains, trash can, restroom, parking, etc.	
Trails	Yes	Surface material	Packes soil/gravel - entrance blocked by gate
		Dimensions	More than 3' wide
		Rails	None
		Signage (for visually impaired)	None
Swimming Facilities	Pools	Entrance	None
		Location from accessible parking	
		Safety features i.e., warning for visually impaired	
	Beaches	Location from accessible path into water	None
		Handrails	
		Location from accessible parking	
		Shade provided	
Play Areas (tot lots)	All Play Equipment i.e. swings, slides	Same experience provided to all	None
	Access Routes	Located adjacent to accessible paths	
		Enough space between equipment for wheelchair	

Facility Inventory	LOCATION:	Center Street Greenway	STREET ADDRESS:
JURISDICTION & MANAGEMENT:		Conservation Commission	150 Center Street
Site Description (from Open Space & Recreation Plan): Wetlands, Wildlife Habitat, Passive Recreation			
ACTIVITY	EQUIPMENT	NOTES	*Comments/Transition Notes*
Game Areas: *ballfield *basketball *tennis	Access Routes	Located adjacent to accessible paths	None
		Berm cuts onto courts	
	Equipment	Height	None
		Dimensions	
		Spectator Seating	
Boat Docks	Access Routes	Located adjacent to accessible paths	None
		Handrails	
Fishing Facilities	Access Routes	Located adjacent to accessible paths	None
		Handrails	
	Equipment	Arm rests	None
		Bait shelves	
		Handrails	
		Fish Cleaning Tables	
Programming	Are special programs at your facilities accessible?	Learn-to-Swim	
		Guided Hikes	None
		Interpretive Programs	None
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		
Notes: Accessible parking and trail could be added			

LOCATION:	Center Street Greenway		
PARKING			
Total Spaces		***Required Accessible Spaces***	
Up to 25		1 space - No Accessible Spaces or Signage	
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	
Specifications for Accessible Spaces	***Yes***	***No***	***Comments/Transition Notes***
Accessible space located closest to accessible entrance		X	No Accessible Spaces
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.	X		
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle	X		
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.		X	
Sign with international symbol of accessibility at each space or pair of spaces		X	
Sign minimum 5 ft, maximum 8 ft to top of sign		N/A	
Surface evenly paved or hard-packed (no cracks)		X	Surface not level
Surface slope less than 1:20 (5%)		X	
Curbcut to pathway from parking lot at each space or pair of spaces, if sidewalk (curb is present)			No Curb
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			No Curb
RAMPS			None
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 (4 ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction			
Notes:			Add Accessible Spot/Trail

LOCATION:	Center Street Greenway		
SITE ACCESS, PATH OF TRAVEL, ENTRANCES			
Specification	*Yes*	*No*	*Comments/Transition Notes*
Accessible path of travel from passenger disembarking area and parking area to accessible entrance		X	
Disembarking area at accessible entrance			
Surface evenly paved or hard-packed		X	
No ponding of water		X	
Path of Travel			
Path does not require the use of stairs	X		
Path is stable, firm and slip resistant		N/A	
3 ft wide minimum	X		
Slope Maximum 1:20 (5%) and maximum cross pitch is 2% (1:50)	X		
Continuous common surface, no changes in level greater than 1/2 inch		X	
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane	X		
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"		N/A	
Curb on the pathway must have curb cuts at drives, parking and drop-offs			No Curb
Entrances			None
Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and not be the service entrance			
Level space extending 5 ft. from the door, interior and exterior of entrance doors			
Minimum 32" clear width opening (i.e., 36" door with standard hinge)			
At least 18" clear floor area on latch, pull side of door			
Door handle no higher than 48" and operable with a closed fist			
Vestibule is 4 ft plus the width of the door swinging into the space			
Entrance(s) on a level that makes elevators accessible			
Door mats less than 1/2 " thick are securely fastened			
Door mats more than 1/2" thick are recessed			
Grates in path of travel have openings of 1/2" maximum			
Signs at non-accessible entrance(s) indicate direction at accessible entrance			
Emergency egress - alarms with flashing lights and audible signals, sufficiently lighted			
Notes:			Gate blocks access to path

LOCATION:	Center Street Greenway		
STAIRS and DOORS			None
Specification	*Yes*	*No*	*Comments/Transition Notes*
Stairs			***None***
No open risers			
Nosings not projecting			
Treads no less than 11" wide			
Handrails on both sides			
Handrails 34" -38" above tread			
Handrail extends a minimum of 1 ft beyond top and bottom riser (if no safety hazard and space permits)			
Handgrip oval or round			
Handgrip has a smooth surface			
Handgrip diameter between 1 1/4" and 1 1/2"			
1 1/2" clearance between wall and handrail			
Doors			None
Minimum 32" clear opening			
At least 18" clear floor space on pull side of door			
Closing speed minimum 3 seconds to within 3" of the latch			
Maximum pressure 5 pounds interior doors			
Threshold maximum 1/2" high, beveled on both sides			
Hardware operable with a closed fist (no conventional door knobs or thumb latch devices)			
Hardware minimum 36", maximum 48" above the floor			
Clear, level floor space extends out 5 ft from both sides of the door			
Door adjacent to revolving door is accessible and unlocked			
Doors opening into hazardous area have hardware that is knurled or roughened			
Notes:			

LOCATION:	Center Street Greenway		
RESTROOMS - also see Doors and Vestibules	None		
Specification	*Yes*	*No*	*Comments/Transition Notes*
5 ft turning space measured 12" from the floor			
At least one Sink:			
Clear floor space of 30" by 48" to allow a forward approach			
Mounted without pedestal or legs, height 34" to top of rim			
Extends at least 22" from the wall			
Open knee space a minimum 19" deep, 30" width, and 27" high			
Cover exposed pipes with insulation			
Faucets operable with closed fist (lever or spring activated handle)			
At least one Stall:			
Accessible to person using wheelchair at 60" wide by 72" deep			
Stall door is 36" wide			
Stall door swings out			
Stall door is self-closing			
Stall door has a pull latch			
Lock on stall door is operable with a closed fist, and 32" above the floor			
Coat hook is 54" high			
Toilet			
18" from center to nearest side wall			
42" minimum clear space from center to farthest wall or fixture			
Top of seat 17"-19" above the floor			
Grab Bars			
On back and side wall closest to toilet			
1 1/4" diameter			
1 1/2" clearance to wall			
Located 30" above and parallel to the floor			
Acid-etched or roughened surface			
42" long			
Fixtures			
Toilet paper dispenser is 24" above floor			
One mirror set a maximum 38" to bottom (if tilted, 42")			
Dispensers (towel, soap, etc.) at least one of each a maximum 42" above the floor			
NOTES			

LOCATION:	Center Street Greenway		
FLOORS, DRINKING FOUNTAINS, TELEPHONES			None
Specification	*Yes*	*No*	*Comments/Transition Notes*
Floors			
Non-slip surface			
Carpeting is high-density, low-pile, non-absorbent, stretched taut, securely anchored			
Corridor width minimum is 3 ft			
Objects (signs, ceiling lights, fixtures) can only protrude 4" into the path of travel from a height of 27" to 80" above the floor			
Drinking Fountains			
Spouts no higher than 36" from floor to outlet			
Hand operated push button or level controls			
Spouts located near front with stream of water as parallel to front as possible			
If recessed, recess a minimum 30" width, and no deeper than depth of fountain			
If no clear knee space underneath, clear floor space 30" x 48" to allow parallel approach			
Telephones			
Highest operating part a maximum 54" above the floor			
Access within 12" of phone, 30" high by 30" wide			
Adjustable volume control on headset so identified			
SIGNS, SIGNALS, AND SWITCHES			None
Specification	*Yes*	*No*	*Comments/Transition Notes*
Switches, Controls and Signs			
Switches and controls for light, heat, ventilation, windows, fire alarms, thermostats, etc., must be a minimum of 36" and a maximum of 48" above the floor for a forward reach, a maximum of 54" for a side reach			
Electrical outlets centered no lower than 18" above the floor			
Warning signals must be visual as well as audible			
Signs			
Mounting height must be 60" to centerline of the sign			
Within 18" of door jamb or recessed			
Letters and number at least 1 1/4" high			
Letters and numbers raised .03"			
Letters and numbers contrast with the background color			
NOTES			

LOCATION:	Center Street Greenway		
SWIMMING POOLS - accessibility can be via ramp, lifting device, or transfer area - None			
Specification	*Yes*	*No*	*Comments/Transition Notes*
Ramp at least 34" wide with a non-slip surface extending into the shallow end, slope not exceeding 1:6 with handrails on both sides			
Lifting device			
Transfer area 18" above the path of travel and a minimum of 18" wide			
Unobstructed path of travel not less than 48" wide around pool			
Non-slip surface			
SHOWER ROOMS - Showers must accommodate both wheel-in and transfer use - None			
Specification	*Yes*	*No*	*Comments/Transition Notes*
Stalls 36" by 60" minimum, with a 36" door opening			
Floors are pitched to drain the stall at the corner farthest from entrance			
Floors are non-slip surface			
Controls operate by a single lever with a pressure balance mixing valve			
Controls are located on the center wall adjacent to the hinged seat			
Shower heads attached to a flexible metal hose			
Shower heads attached to wall mounting adjustable from 42" to 72" above the floor			
Seat is hinged and padded and at least 16" deep, folds upward, securely attached to side wall, height is 18" to the top of the seat, and at least 24" long			
Soap trays without handhold features unless they can support 250 pounds			
2 grab bars are provided, one 30" and one 48" long, or one continuous L shaped bar			
Grab bars are placed horizontally at 36" above the floor line			
PICNICKING			None
Specification	*Yes*	*No*	*Comments/Transition Notes*
space under the table top not less than 30" wide and 19" deep per seating space and not less than 27" clear from the ground to the underside of the table. An additional 29" clear space (totaling 48") must extend beyond the 19" clear space under the table to provide access			
For tables without toe clearance, the knee space under the table must be at least 28" high, 30" wide and 24" deep.			
Top of table no higher than 32" above ground			
Surface of the clear ground space under and around the table must be stable, firm and slip-resistant, and evenly graded with a maximum slope of 2% in all directions			
Accessible tables, grills, and fire rings must have clear ground space of at least 36" around the perimeter			
NOTES			Accessible Picnic area possible

Date:	08/06/19	Location: Center Street Greenway		Schedule of Changes		
				(pending appropriate levels of funding)		
		Physical Barriers	Necessary Changes	Changes to be implemented by the end of FY...	Yearly schedule of Changes (if the Transition Plan is more than 1 year long)	Responsible Person
1.0	Activities & Equipment:	N/A				
2.0	Parking/Ramps:	No Accessible Parking or Signage	Add Accessible Parking/Signage		Identify Funding	ADA Coord
2.1		Pot holes and rutts in parking area	Regrade to make level surface		Identify Funding	
2.2						
2.3						
3.0	Site Access, Path of Travel, Entrances:	No accessible path/trail	Add accessible path		Identify Funding	ADA Coord
3.1	Entrance:	Gate blocks entrance to trail	Provide accessible access around gate		Identify Funding	ADA Coord
4.0	Stairs & Doors:	N/A				
5.0	Restrooms:	N/A				
6.0	Floors, Drinking Fountains, Telephones, Signs, Switches, & Signals:	N/A				
7.0	Swimming Pools & Picnicking:	No picnic area	Accessible Picnic area possible			ADA Coord

Facility Inventory	LOCATION:	Johnson Pond Conservation Area	STREET ADDRESS:
JURISDICTION & MANAGEMENT:		DPW/Forestry and Parks Division	Center Street
Site Description (from Open Space & Recreation Plan):			
ACTIVITY	EQUIPMENT	NOTES	*Comments/Transition Notes*
Picnic Facilities	Tables & Benches	Located adjacent to accessible paths - No	Path is stone - replace with accessible surface
		Access to Open Spaces - No	Need accessible path
		Back and Arm Rests - No	
		Adequate number	1 of 2 picnic tables has accessible spot for wheel chair
	Grills - N/A	Height of Cooking Surface	
		Located adjacent to accessible paths	
	Trash Cans	Located adjacent to accessible paths - Yes	
	Picnic Shelters - N/A	Located adjacent to accessible paths	
		Located near accessible water fountains, trash can, restroom, parking, etc.	
Trails		Surface material - stone	replace with accessible surface
		Dimensions	4 feet+ wide
		Rails	None
		Signage (for visually impaired)	None
Swimming Facilities	Pools - None	Entrance	
		Location from accessible parking	
		Safety features i.e., warning for visually impaired	
	Beaches - None	Location from accessible path into water	
		Handrails	
		Location from accessible parking	
		Shade provided	
Play Areas (tot lots)	All Play Equipment i.e. swings, slides	Same experience provided to all	None
	Access Routes	Located adjacent to accessible paths	
		Enough space between equipment for wheelchair	

Facility Inventory	LOCATION:	Johnson Pond Conservation Area	STREET ADDRESS:
JURISDICTION & MANAGEMENT:		DPW/Forestry and Parks Division	Center Street
Site Description (from Open Space & Recreation Plan):			
ACTIVITY	EQUIPMENT	NOTES	*Comments/Transition Notes*
Game Areas: *ballfield *basketball *tennis	Access Routes	Located adjacent to accessible paths	None
		Berm cuts onto courts	
	Equipment	Height	
		Dimensions	
		Spectator Seating	
Boat Docks	Access Routes	Located adjacent to accessible paths	Water access for canoes/kayakes - not accessible
		Handrails	
Fishing Facilities	Access Routes	Located adjacent to accessible paths	No
		Handrails	None
	Equipment	Arm rests	None
		Bait shelves	None
		Handrails	None
		Fish Cleaning Tables	None
Programming	Are special programs at your facilities accessible?	Learn-to-Swim	N/A
		Guided Hikes	
		Interpretive Programs	
Services and Technical Assistance	Information available in alternative formats i.e., for visually impaired		No
	Process to request interpretive services (i.e. sign language interpreter) for meetings		
Notes:			

LOCATION:	Johnson Pond Conservation Area		
PARKING - Paved parking area with room for 4-5 cars (spaces unlined and no signage)			
Total Spaces	***Required Accessible Spaces - none***		
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		
Specifications for Accessible Spaces	***Yes***	***No***	***Comments/Transition Notes***
Accessible space located closest to accessible entrance		X	Add signage and markings for accessible space
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.	X		
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle		X	
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.		X	
Sign with international symbol of accessibility at each space or pair of spaces		X	Add signage
Sign minimum 5 ft, maximum 8 ft to top of sign		X	
Surface evenly paved or hard-packed (no cracks)		X	
Surface slope less than 1:20 (5%)	X		
Curbcut to pathway from parking lot at each space or pair of spaces, if sidewalk (curb is present)	X		
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	x		
RAMPS			None
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 (4 ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction			
Notes:			

LOCATION:	Johnson Pond Conservation Area		
SITE ACCESS, PATH OF TRAVEL, ENTRANCES			
Specification	*Yes*	*No*	*Comments/Transition Notes*
Accessible path of travel from passenger disembarking area and parking area to accessible entrance		X	
Disembarking area at accessible entrance		X	
Surface evenly paved or hard-packed		X	
No ponding of water			
Path of Travel			
Path does not require the use of stairs	X		
Path is stable, firm and slip resistant		X	Path is 1-2" stone
3 ft wide minimum	X		
Slope Maximum 1:20 (5%) and maximum cross pitch is 2% (1:50)	X		
Continuous common surface, no changes in level greater than 1/2 inch		X	
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane	X		
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"			N/A
Curb on the pathway must have curb cuts at drives, parking and drop-offs	X		
Entrances			None
Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and not be the service entrance			
Level space extending 5 ft. from the door, interior and exterior of entrance doors			
Minimum 32" clear width opening (i.e., 36" door with standard hinge)			
At least 18" clear floor area on latch, pull side of door			
Door handle no higher than 48" and operable with a closed fist			
Vestibule is 4 ft plus the width of the door swinging into the space			
Entrance(s) on a level that makes elevators accessible			
Door mats less than 1/2 " thick are securely fastened			
Door mats more than 1/2" thick are recessed			
Grates in path of travel have openings of 1/2" maximum			
Signs at non-accessible entrance(s) indicate direction at accessible entrance			
Emergency egress - alarms with flashing lights and audible signals, sufficiently lighted			
Notes:			

LOCATION:	Johnson Pond Conservation Area		
STAIRS and DOORS	None		
Specification	*Yes*	*No*	*Comments/Transition Notes*
Stairs			*None*
No open risers			
Nosings not projecting			
Treads no less than 11" wide			
Handrails on both sides			
Handrails 34" -38" above tread			
Handrail extends a minimum of 1 ft beyond top and bottom riser (if no safety hazard and space permits)			
Handgrip oval or round			
Handgrip has a smooth surface			
Handgrip diameter between 1 1/4" and 1 1/2"			
1 1/2" clearance between wall and handrail			
Doors			None
Minimum 32" clear opening			
At least 18" clear floor space on pull side of door			
Closing speed minimum 3 seconds to within 3" of the latch			
Maximum pressure 5 pounds interior doors			
Threshold maximum 1/2" high, beveled on both sides			
Hardware operable with a closed fist (no conventional door knobs or thumb latch devices)			
Hardware minimum 36", maximum 48" above the floor			
Clear, level floor space extends out 5 ft from both sides of the door			
Door adjacent to revolving door is accessible and unlocked			
Doors opening into hazardous area have hardware that is knurled or roughened			
Notes:			

LOCATION:	Johnson Pond Conservation Area		
RESTROOMS - also see Doors and Vestibules	None		
Specification	***Yes***	***No***	***Comments/Transition Notes***
5 ft turning space measured 12" from the floor			
At least one Sink:			*N/A*
Clear floor space of 30" by 48" to allow a forward approach			
Mounted without pedestal or legs, height 34" to top of rim			
Extends at least 22" from the wall			
Open knee space a minimum 19" deep, 30" width, and 27" high			
Cover exposed pipes with insulation			
Faucets operable with closed fist (lever or spring activated handle)			
At least one Stall:			N/A
Accessible to person using wheelchair at 60" wide by 72" deep			
Stall door is 36" wide			
Stall door swings out			
Stall door is self-closing			
Stall door has a pull latch			
Lock on stall door is operable with a closed fist, and 32" above the floor			
Coat hook is 54" high			
Toilet			
18" from center to nearest side wall			
42" minimum clear space from center to farthest wall or fixture			
Top of seat 17"-19" above the floor			
Grab Bars			N/A
On back and side wall closest to toilet			
1 1/4" diameter			
1 1/2" clearance to wall			
Located 30" above and parallel to the floor			
Acid-etched or roughened surface			
42" long			
Fixtures			
Toilet paper dispenser is 24" above floor			
One mirror set a maximum 38" to bottom (if tilted, 42")			
Dispensers (towel, soap, etc.) at least one of each a maximum 42" above the floor			
NOTES			

LOCATION:	Johnson Pond Conservation Area		
FLOORS, DRINKING FOUNTAINS, TELEPHONES	None		
Specification	*Yes*	*No*	*Comments/Transition Notes*
Floors			
Non-slip surface			N/A
Carpeting is high-density, low-pile, non-absorbent, stretched taut, securely anchored			
Corridor width minimum is 3 ft			
Objects (signs, ceiling lights, fixtures) can only protrude 4" into the path of travel from a height of 27" to 80" above the floor			
Drinking Fountains			N/A
Spouts no higher than 36" from floor to outlet			
Hand operated push button or level controls			
Spouts located near front with stream of water as parallel to front as possible			
If recessed, recess a minimum 30" width, and no deeper than depth of fountain			
If no clear knee space underneath, clear floor space 30" x 48" to allow parallel approach			
Telephones			N/A
Highest operating part a maximum 54" above the floor			
Access within 12" of phone, 30" high by 30" wide			
Adjustable volume control on headset so identified			
SIGNS, SIGNALS, AND SWITCHES			N/A
Specification	*Yes*	*No*	*Comments/Transition Notes*
Switches, Controls and Signs			
Switches and controls for light, heat, ventilation, windows, fire alarms, thermostats, etc., must be a minimum of 36" and a maximum of 48" above the floor for a forward reach, a maximum of 54" for a side reach			
Electrical outlets centered no lower than 18" above the floor			
Warning signals must be visual as well as audible			
Signs			N/A
Mounting height must be 60" to centerline of the sign			
Within 18" of door jamb or recessed			
Letters and number at least 1 1/4" high			
Letters and numbers raised .03"			
Letters and numbers contrast with the background color			
NOTES			

LOCATION:	Johnson Pond Conservation Area		
SWIMMING POOLS - accessibility can be via ramp, lifting device, or transfer area - None			
Specification	*Yes*	*No*	*Comments/Transition Notes*
Ramp at least 34" wide with a non-slip surface extending into the shallow end, slope not exceeding 1:6 with handrails on both sides			
Lifting device			
Transfer area 18" above the path of travel and a minimum of 18" wide			
Unobstructed path of travel not less than 48" wide around pool			
Non-slip surface			
SHOWER ROOMS - Showers must accommodate both wheel-in and transfer use - None			
Specification	*Yes*	*No*	*Comments/Transition Notes*
Stalls 36" by 60" minimum, with a 36" door opening			
Floors are pitched to drain the stall at the corner farthest from entrance			
Floors are non-slip surface			
Controls operate by a single lever with a pressure balance mixing valve			
Controls are located on the center wall adjacent to the hinged seat			
Shower heads attached to a flexible metal hose			
Shower heads attached to wall mounting adjustable from 42" to 72" above the floor			
Seat is hinged and padded and at least 16" deep, folds upward, securely attached to side wall, height is 18" to the top of the seat, and at least 24" long			
Soap trays without handhold features unless they can support 250 pounds			
2 grab bars are provided, one 30" and one 48" long, or one continuous L shaped bar			
Grab bars are placed horizontally at 36" above the floor line			
PICNICKING	X		
Specification	*Yes*	*No*	*Comments/Transition Notes*
space under the table top not less than 30" wide and 19" deep per seating space and not less than 27" clear from the ground to the underside of the table. An additional 29" clear space (totaling 48") must extend beyond the 19" clear space under the table to provide access	X		1 of 2 tables accessible
For tables without toe clearance, the knee space under the table must be at least 28" high, 30" wide and 24" deep.	X		
Top of table no higher than 32" above ground			
Surface of the clear ground space under and around the table must be stable, firm and slip-resistant, and evenly graded with a maximum slope of 2% in all directions		X	Make path accessible surface (stone dust or other stable surface)
Accessible tables, grills, and fire rings must have clear ground space of at least 36" around the perimeter			N/A
NOTES			

Date:	07/01/19	Location: Johnsons Pond Conservation Area		Schedule of Changes		
				(pending appropriate levels of funding)		
		Physical Barriers	Necessary Changes	Changes to be implemented by the end of FY...	Yearly schedule of Changes (if the Transition Plan is more than 1 year long)	Responsible Person
1.0	Activities & Equipment:					
2.0	Parking/Ramps:					
2.1	Parking	No signage or designated spaces	Add appropriate spaces and signage	2021		ADA Coord
2.2						
2.3						
3.0	Site Access, Path of Travel, Entrances:					
3.1	Entrance:					
4.0	Stairs & Doors:					
5.0	Restrooms:					
6.0	Floors, Drinking Fountains, Telephones, Signs, Switches, & Signals:					
7.0	Swimming Pools & Picnicking:	No accessible path to picnic area, fishing or boating	Add accessible path surface	2021		ADA Coord

Facility Inventory	LOCATION:	Johnsons Creek Conservation Area	STREET ADDRESS:
JURISDICTION & MANAGEMENT:		Conservation Commission	Corner Main Street and Washington Street
Site Description (from Open Space & Recreation Plan): Wetlands, Banks to Open Water, Wildlife Habitat, Flood Control			
ACTIVITY	EQUIPMENT	NOTES	*Comments/Transition Notes*
Picnic Facilities	Tables & Benches	Located adjacent to accessible paths	None
		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	Open Area to Brook - no designated path or trail noted	Surface material	Open Area - no trails noted
		Dimensions	
		Rails	
		Signage (for visually impaired)	
Swimming Facilities	Pools	Entrance	None
		Location from accessible parking	
		Safety features i.e., warning for visually impaired	
	Beaches	Location from accessible path into water	None
		Handrails	
		Location from accessible parking	
		Shade provided	
Play Areas (tot lots)	All Play Equipment i.e. swings, slides	Same experience provided to all	None
	Access Routes	Located adjacent to accessible paths	
		Enough space between equipment for wheelchair	

Facility Inventory	LOCATION:	Johnsons Creek Conservation Area	STREET ADDRESS:
JURISDICTION & MANAGEMENT:		Conservation Commission	Corner Main Street and Washington Street
Site Description (from Open Space & Recreation Plan): Wetlands, Banks to Open Water, Wildlife Habitat, Flood Control			
ACTIVITY	EQUIPMENT	NOTES	*Comments/Transition Notes*
Game Areas: *ballfield *basketball *tennis	Access Routes	Located adjacent to accessible paths	
		Berm cuts onto courts	None
	Equipment	Height	
		Dimensions	
		Spectator Seating	
Boat Docks	Access Routes	Located adjacent to accessible paths	None
		Handrails	
Fishing Facilities	Access Routes	Located adjacent to accessible paths	None
		Handrails	
	Equipment	Arm rests	None
		Bait shelves	
		Handrails	
		Fish Cleaning Tables	
Programming	Are special programs at your facilities accessible?	Learn-to-Swim	
		Guided Hikes	None
		Interpretive Programs	None
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		
Notes:			

LOCATION:	Johnsons Creek Conservation Area		
PARKING - Street parking on Washington Street			
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	
Specifications 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.		X	
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle		X	
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.		X	
Sign with international symbol of accessibility at each space or pair of spaces		X	
Sign minimum 5 ft, maximum 8 ft to top of sign			N/A
Surface evenly paved or hard-packed (no cracks)	X		
Surface slope less than 1:20 (5%)	X		
Curbcut to pathway from parking lot at each space or pair of spaces, if sidewalk (curb is present)			Sidewalk has ramp to access open lawn area
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	X		No paint or texture
RAMPS			None
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 (4 ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction			
Notes:			

LOCATION:	Johnsons Creek Conservation Area		
SITE ACCESS, PATH OF TRAVEL, ENTRANCES			
Specification	*Yes*	*No*	*Comments/Transition Notes*
Accessible path of travel from passenger disembarking area and parking area to accessible entrance	X		On street parking with access to sidewalk
Disembarking area at accessible entrance			N/A
Surface evenly paved or hard-packed	X		
No ponding of water	X		
Path of Travel			
Path does not require the use of stairs	X		
Path is stable, firm and slip resistant	X		
3 ft wide minimum	X		
Slope Maximum 1:20 (5%) and maximum cross pitch is 2% (1:50)	X		
Continuous common surface, no changes in level greater than 1/2 inch	X		Sidewalk access lawn area
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane	X		
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"			N/A
Curb on the pathway must have curb cuts at drives, parking and drop-offs	X		
Entrances			None
Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and not be the service entrance			
Level space extending 5 ft. from the door, interior and exterior of entrance doors			
Minimum 32" clear width opening (i.e., 36" door with standard hinge)			
At least 18" clear floor area on latch, pull side of door			
Door handle no higher than 48" and operable with a closed fist			
Vestibule is 4 ft plus the width of the door swinging into the space			
Entrance(s) on a level that makes elevators accessible			
Door mats less than 1/2 " thick are securely fastened			
Door mats more than 1/2" thick are recessed			
Grates in path of travel have openings of 1/2" maximum			
Signs at non-accessible entrance(s) indicate direction at accessible entrance			
Emergency egress - alarms with flashing lights and audible signals, sufficiently lighted			
Notes:			

LOCATION:	Johnsons Creek Conservation Area		
STAIRS and DOORS			None
Specification	*Yes*	*No*	*Comments/Transition Notes*
Stairs			***None***
No open risers			
Nosings not projecting			
Treads no less than 11" wide			
Handrails on both sides			
Handrails 34" -38" above tread			
Handrail extends a minimum of 1 ft beyond top and bottom riser (if no safety hazard and space permits)			
Handgrip oval or round			
Handgrip has a smooth surface			
Handgrip diameter between 1 1/4" and 1 1/2"			
1 1/2" clearance between wall and handrail			
Doors			None
Minimum 32" clear opening			
At least 18" clear floor space on pull side of door			
Closing speed minimum 3 seconds to within 3" of the latch			
Maximum pressure 5 pounds interior doors			
Threshold maximum 1/2" high, beveled on both sides			
Hardware operable with a closed fist (no conventional door knobs or thumb latch devices)			
Hardware minimum 36", maximum 48" above the floor			
Clear, level floor space extends out 5 ft from both sides of the door			
Door adjacent to revolving door is accessible and unlocked			
Doors opening into hazardous area have hardware that is knurled or roughened			
Notes:			

LOCATION:	Johnsons Creek Conservation Area		
RESTROOMS - also see Doors and Vestibules	None		
Specification	***Yes***	***No***	***Comments/Transition Notes***
5 ft turning space measured 12" from the floor			
At least one Sink:			***None***
Clear floor space of 30" by 48" to allow a forward approach			
Mounted without pedestal or legs, height 34" to top of rim			
Extends at least 22" from the wall			
Open knee space a minimum 19" deep, 30" width, and 27" high			
Cover exposed pipes with insulation			
Faucets operable with closed fist (lever or spring activated handle)			
At least one Stall:			None
Accessible to person using wheelchair at 60" wide by 72" deep			
Stall door is 36" wide			
Stall door swings out			
Stall door is self-closing			
Stall door has a pull latch			
Lock on stall door is operable with a closed fist, and 32" above the floor			
Coat hook is 54" high			
Toilet			None
18" from center to nearest side wall			
42" minimum clear space from center to farthest wall or fixture			
Top of seat 17"-19" above the floor			
Grab Bars			
On back and side wall closest to toilet			
1 1/4" diameter			
1 1/2" clearance to wall			
Located 30" above and parallel to the floor			
Acid-etched or roughened surface			
42" long			
Fixtures			
Toilet paper dispenser is 24" above floor			
One mirror set a maximum 38" to bottom (if tilted, 42")			
Dispensers (towel, soap, etc.) at least one of each a maximum 42" above the floor			
NOTES			

LOCATION:	Johnsons Creek Conservation Area		
FLOORS, DRINKING FOUNTAINS, TELEPHONES			None
Specification	*Yes*	*No*	*Comments/Transition Notes*
Floors			*None*
Non-slip surface			
Carpeting is high-density, low-pile, non-absorbent, stretched taut, securely anchored			
Corridor width minimum is 3 ft			
Objects (signs, ceiling lights, fixtures) can only protrude 4" into the path of travel from a height of 27" to 80" above the floor			
Drinking Fountains			
Spouts no higher than 36" from floor to outlet			
Hand operated push button or level controls			
Spouts located near front with stream of water as parallel to front as possible			
If recessed, recess a minimum 30" width, and no deeper than depth of fountain			
If no clear knee space underneath, clear floor space 30" x 48" to allow parallel approach			
Telephones			None
Highest operating part a maximum 54" above the floor			
Access within 12" of phone, 30" high by 30" wide			
Adjustable volume control on headset so identified			
SIGNS, SIGNALS, AND SWITCHES			None
Specification	*Yes*	*No*	*Comments/Transition Notes*
Switches, Controls and Signs			*None*
Switches and controls for light, heat, ventilation, windows, fire alarms, thermostats, etc., must be a minimum of 36" and a maximum of 48" above the floor for a forward reach, a maximum of 54" for a side reach			
Electrical outlets centered no lower than 18" above the floor			
Warning signals must be visual as well as audible			
Signs			
Mounting height must be 60" to centerline of the sign			
Within 18" of door jamb or recessed			
Letters and number at least 1 1/4" high			
Letters and numbers raised .03"			
Letters and numbers contrast with the background color			
NOTES			

LOCATION:	Johnsons Creek Conservation Area		
SWIMMING POOLS - accessibility can be via ramp, lifting device, or transfer area - None			
Specification	*Yes*	*No*	*Comments/Transition Notes*
Ramp at least 34" wide with a non-slip surface extending into the shallow end, slope not exceeding 1:6 with handrails on both sides			
Lifting device			
Transfer area 18" above the path of travel and a minimum of 18" wide			
Unobstructed path of travel not less than 48" wide around pool			
Non-slip surface			
SHOWER ROOMS - Showers must accommodate both wheel-in and transfer use - None			
Specification	*Yes*	*No*	*Comments/Transition Notes*
Stalls 36" by 60" minimum, with a 36" door opening			
Floors are pitched to drain the stall at the corner farthest from entrance			
Floors are non-slip surface			
Controls operate by a single lever with a pressure balance mixing valve			
Controls are located on the center wall adjacent to the hinged seat			
Shower heads attached to a flexible metal hose			
Shower heads attached to wall mounting adjustable from 42" to 72" above the floor			
Seat is hinged and padded and at least 16" deep, folds upward, securely attached to side wall, height is 18" to the top of the seat, and at least 24" long			
Soap trays without handhold features unless they can support 250 pounds			
2 grab bars are provided, one 30" and one 48" long, or one continuous L shaped bar			
Grab bars are placed horizontally at 36" above the floor line			
PICNICKING			None
Specification	*Yes*	*No*	*Comments/Transition Notes*
space under the table top not less than 30" wide and 19" deep per seating space and not less than 27" clear from the ground to the underside of the table. An additional 29" clear space (totaling 48") must extend beyond the 19" clear space under the table to provide access			
For tables without toe clearance, the knee space under the table must be at least 28" high, 30" wide and 24" deep.			
Top of table no higher than 32" above ground			
Surface of the clear ground space under and around the table must be stable, firm and slip-resistant, and evenly graded with a maximum slope of 2% in all directions			
Accessible tables, grills, and fire rings must have clear ground space of at least 36" around the perimeter			
NOTES			

Date:	08/01/19	Location: Johnson's Creek Conservation Area		Schedule of Changes		
				(pending appropriate levels of funding)		
		Physical Barriers	Necessary Changes	Changes to be implemented by the end of FY...	Yearly schedule of Changes (if the Transition Plan is more than 1 year long)	Responsible Person
1.0	Activities & Equipment:					
2.0	Parking/Ramps:		Add paint or texture to sidewalk ramp		When area is improved	ADA Coord
2.1						
2.2						
2.3						
3.0	Site Access, Path of Travel, Entrances:					
3.1	Entrance:					
4.0	Stairs & Doors:					
5.0	Restrooms:					
6.0	Floors, Drinking Fountains, Telephones, Signs, Switches, & Signals:					
7.0	Swimming Pools & Picnicking:					

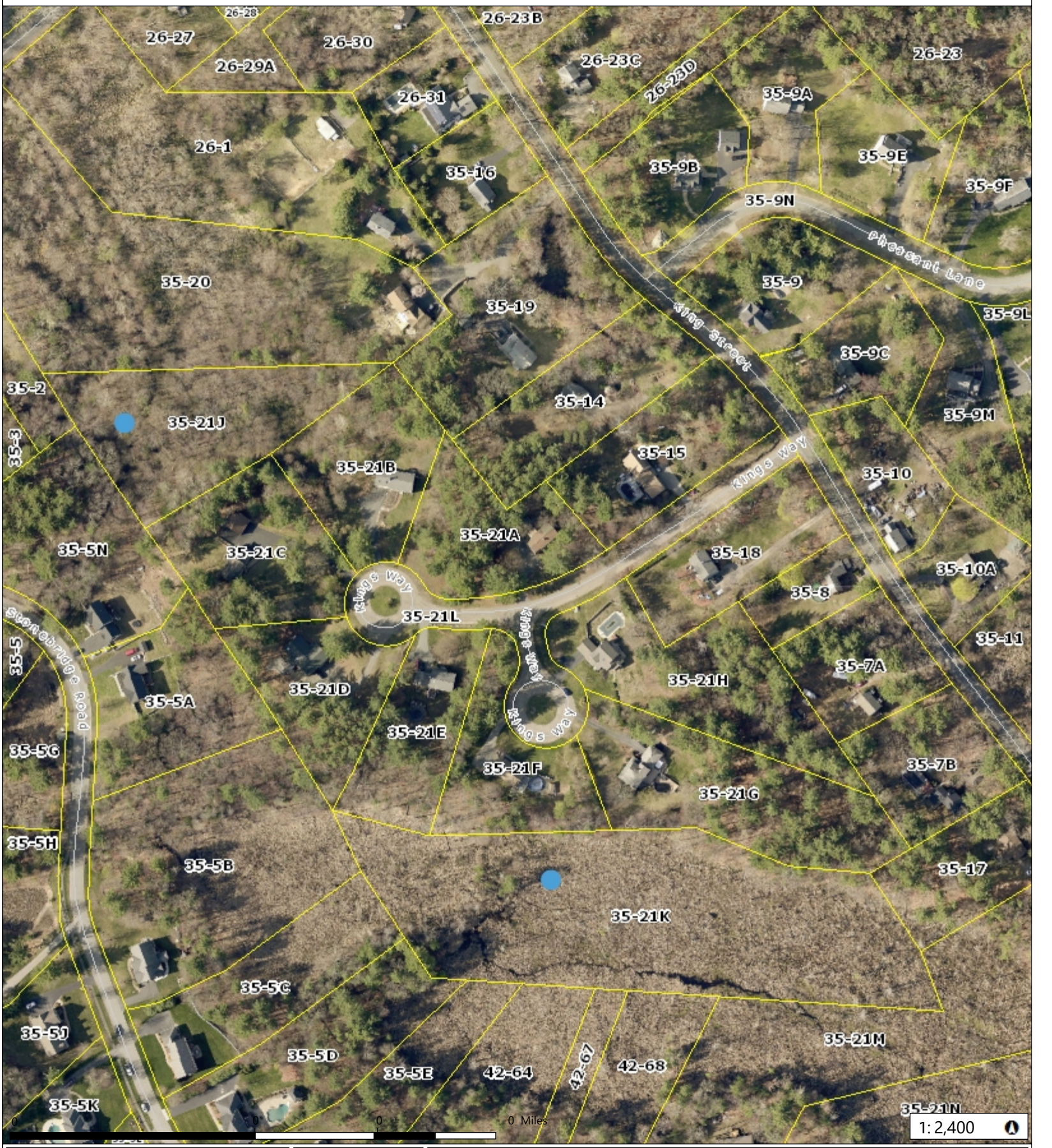
Facility Inventory	LOCATION:	Kings Way Conservation Area	STREET ADDRESS:
JURISDICTION & MANAGEMENT:		DPW/Forestry and Parks Division	Off Kings Way
Site Description (from Open Space & Recreation Plan): Wetlands, Wildlife Habitat, Passive Recreation, Flood Control - No Public Access			
ACTIVITY	EQUIPMENT	NOTES - No Public Access	*Comments/Transition Notes*
Picnic Facilities	Tables & Benches	Located adjacent to accessible paths	None
		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		Surface material	None
		Dimensions	
		Rails	
		Signage (for visually impaired)	
Swimming Facilities	Pools	Entrance	N/A
		Location from accessible parking	
		Safety features i.e., warning for visually impaired	
	Beaches	Location from accessible path into water	
		Handrails	N/A
		Location from accessible parking	
		Shade provided	
Play Areas (tot lots)	All Play Equipment i.e. swings, slides	Same experience provided to all	N/A
	Access Routes	Located adjacent to accessible paths	
		Enough space between equipment for wheelchair	

Facility Inventory	LOCATION:	Kings Way Conservation Area	STREET ADDRESS:
JURISDICTION & MANAGEMENT:		DPW/Forestry and Parks Division	Off Kings Way
Site Description (from Open Space & Recreation Plan): Wetlands, Wildlife Habitat, Passive Recreation, Flood Control - No Public Access			
ACTIVITY	EQUIPMENT	NOTES - No Public Access	*Comments/Transition Notes*
Game Areas: *ballfield *basketball *tennis	Access Routes	Located adjacent to accessible paths	N/A
		Berm cuts onto courts	
	Equipment	Height	
		Dimensions	
		Spectator Seating	
Boat Docks	Access Routes	Located adjacent to accessible paths	N/A
		Handrails	
Fishing Facilities	Access Routes	Located adjacent to accessible paths	N/A
		Handrails	
	Equipment	Arm rests	
		Bait shelves	
		Handrails	
		Fish Cleaning Tables	
Programming	Are special programs at your facilities accessible?	Learn-to-Swim	N/A
		Guided Hikes	
		Interpretive Programs	
Services and Technical Assistance	Information available in alternative formats i.e., for visually impaired		N/A
	Process to request interpretive services (i.e. sign language interpreter) for meetings		
Notes: No Public Access			

Date:	07/01/19	Location: Kings Way Conservation Area - No Public Access		Schedule of Changes		None
				(pending appropriate levels of funding)		
		Physical Barriers	Necessary Changes	Changes to be implemented by the end of FY...	Yearly schedule of Changes (if the Transition Plan is more than 1 year long)	Responsible Person
1.0	Activities & Equipment:					
2.0	Parking/Ramps:		None			
2.1						
2.2						
2.3						
3.0	Site Access, Path of Travel, Entrances:		None			
3.1	Entrance:					
4.0	Stairs & Doors:					
5.0	Restrooms:					
6.0	Floors, Drinking Fountains, Telephones, Signs, Switches, & Signals:					
7.0	Swimming Pools & Picnicking:					

Town of Groveland - Kings Way Parcels (No Access)

08/13/2019



Data Sources: Produced by Merrimack Valley Planning Commission (MVPC) using data provided by the Town of Groveland & MassIT/MassGIS.

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Legend

MVPC Boundary | Parcels (on aerials) | Interstate | Major Road | Local Road

Projection: NAD_1983_StatePlane_Massachusetts_Mainland_FIPS_2001

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Facility Inventory	LOCATION:	Meadow Pond Reservation	STREET ADDRESS:
JURISDICTION & MANAGEMENT:		Conservation Commission	Uptack Road
Site Description (from Open Space & Recreation Plan):			
ACTIVITY	EQUIPMENT	NOTES No Picnic Facilities	*Comments/Transition Notes*
Picnic Facilities	Tables & Benches	Located adjacent to accessible paths	N/A
		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	Trail network consisting of dirt paths with boardwalks and bridges	Surface material - hard packed soil	possiblility to make entrance trail accessible
		Dimensions	less than 3' wide
		Rails	none
		Signage (for visually impaired)	none
Swimming Facilities	Pools - N/A	Entrance	
		Location from accessible parking	
		Safety features i.e., warning for visually impaired	
	Beaches - N/A	Location from accessible path into water	
		Handrails	
		Location from accessible parking	
		Shade provided	
Play Areas (tot lots)	All Play Equipment i.e. swings, slides	Same experience provided to all	None
	Access Routes	Located adjacent to accessible paths	"
		Enough space between equipment for wheelchair	"

Facility Inventory	LOCATION:	Meadow Pond Reservation	STREET ADDRESS:
JURISDICTION & MANAGEMENT:		Conservation Commission	Uptack Road
Site Description (from Open Space & Recreation Plan):			
ACTIVITY	EQUIPMENT	NOTES No Picnic Facilities	*Comments/Transition Notes*
Game Areas: *ballfield *basketball *tennis	Access Routes	Located adjacent to accessible paths	"
		Berm cuts onto courts	"
	Equipment	Height	"
		Dimensions	"
		Spectator Seating	"
Boat Docks	Access Routes	Located adjacent to accessible paths	"
		Handrails	"
Fishing Facilities	Access Routes	Located adjacent to accessible paths	"
		Handrails	"
	Equipment	Arm rests	"
		Bait shelves	"
		Handrails	"
		Fish Cleaning Tables	"
Programming	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		"
Notes:			

LOCATION:	Meadow Pond Reservation		
PARKING			
Total Spaces 3-4 (gravel lot)		***Required Accessible Spaces***	
Up to 25		1 space	X
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	
Specifications for Accessible Spaces	***Yes***	***No***	***Comments/Transition Notes***
Accessible space located closest to accessible entrance	X		Sign obscured by vegetation - cut back
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.			N/A
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle	X		
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.	X		
Sign with international symbol of accessibility at each space or pair of spaces	X		
Sign minimum 5 ft, maximum 8 ft to top of sign	X		
Surface evenly paved or hard-packed (no cracks)	X		
Surface slope less than 1:20 (5%)	X		
Curbcut to pathway from parking lot at each space or pair of spaces, if sidewalk (curb is present)			N/A
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			N/A
RAMPS			No Ramps
Specification	***Yes***	***No***	***Comments/Transition Notes***
Slope Maximum 1:12			N/A
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 (4 ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction			"
Notes:			

LOCATION:	Meadow Pond Reservation		
SITE ACCESS, PATH OF TRAVEL, ENTRANCES			
Specification	*Yes*	*No*	*Comments/Transition Notes*
Accessible path of travel from passenger disembarking area and parking area to accessible entrance	X		
Disembarking area at accessible entrance		X	
Surface evenly paved or hard-packed	X		
No ponding of water	X		
Path of Travel			
Path does not require the use of stairs	X		
Path is stable, firm and slip resistant		X	
3 ft wide minimum		X	
Slope Maximum 1:20 (5%) and maximum cross pitch is 2% (1:50)	X		
Continuous common surface, no changes in level greater than 1/2 inch		X	
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane		X	
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"			no wall
Curb on the pathway must have curb cuts at drives, parking and drop-offs		X	
Entrances - N/A			N/A
Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and not be the service entrance			
Level space extending 5 ft. from the door, interior and exterior of entrance doors			
Minimum 32" clear width opening (i.e., 36" door with standard hinge)			
At least 18" clear floor area on latch, pull side of door			
Door handle no higher than 48" and operable with a closed fist			
Vestibule is 4 ft plus the width of the door swinging into the space			
Entrance(s) on a level that makes elevators accessible			
Door mats less than 1/2 " thick are securely fastened			
Door mats more than 1/2" thick are recessed			
Grates in path of travel have openings of 1/2" maximum			
Signs at non-accessible entrance(s) indicate direction at accessible entrance			
Emergency egress - alarms with flashing lights and audible signals, sufficiently lighted			
Notes:			

LOCATION:	Meadow Pond Reservation		
STAIRS and DOORS - N/A	N/A		
Specification	*Yes*	*No*	*Comments/Transition Notes*
Stairs			
No open risers			
Nosings not projecting			
Treads no less than 11" wide			
Handrails on both sides			
Handrails 34" -38" above tread			
Handrail extends a minimum of 1 ft beyond top and bottom riser (if no safety hazard and space permits)			
Handgrip oval or round			
Handgrip has a smooth surface			
Handgrip diameter between 1 1/4" and 1 1/2"			
1 1/2" clearance between wall and handrail			
Doors			
Minimum 32" clear opening			
At least 18" clear floor space on pull side of door			
Closing speed minimum 3 seconds to within 3" of the latch			
Maximum pressure 5 pounds interior doors			
Threshold maximum 1/2" high, beveled on both sides			
Hardware operable with a closed fist (no conventional door knobs or thumb latch devices)			
Hardware minimum 36", maximum 48" above the floor			
Clear, level floor space extends out 5 ft from both sides of the door			
Door adjacent to revolving door is accessible and unlocked			
Doors opening into hazardous area have hardware that is knurled or roughened			
Notes:			

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

LOCATION:	Meadow Pond Reservation		
FLOORS, DRINKING FOUNTAINS, TELEPHONES		N/A	
Specification	*Yes*	*No*	*Comments/Transition Notes*
Floors			
Non-slip surface			
Carpeting is high-density, low-pile, non-absorbent, stretched taut, securely anchored			
Corridor width minimum is 3 ft			
Objects (signs, ceiling lights, fixtures) can only protrude 4" into the path of travel from a height of 27" to 80" above the floor			
Drinking Fountains			N/A
Spouts no higher than 36" from floor to outlet			
Hand operated push button or level controls			
Spouts located near front with stream of water as parallel to front as possible			
If recessed, recess a minimum 30" width, and no deeper than depth of fountain			
If no clear knee space underneath, clear floor space 30" x 48" to allow parallel approach			
Telephones			N/A
Highest operating part a maximum 54" above the floor			
Access within 12" of phone, 30" high by 30" wide			
Adjustable volume control on headset so identified			
SIGNS, SIGNALS, AND SWITCHES			
Specification	***Yes***	***No***	***Comments/Transition Notes***
Switches, Controls and Signs			***N/A***
Switches and controls for light, heat, ventilation, windows, fire alarms, thermostats, etc., must be a minimum of 36" and a maximum of 48" above the floor for a forward reach, a maximum of 54" for a side reach			
Electrical outlets centered no lower than 18" above the floor			
Warning signals must be visual as well as audible			
Signs			
Mounting height must be 60" to centerline of the sign			
Within 18" of door jamb or recessed			
Letters and number at least 1 1/4" high			
Letters and numbers raised .03"			
Letters and numbers contrast with the background color			
NOTES			

LOCATION:	Meadow Pond Reservation		
SWIMMING POOLS - accessibility can be via ramp, lifting device, or transfer area - N/A			
Specification	*Yes*	*No*	*Comments/Transition Notes*
Ramp at least 34" wide with a non-slip surface extending into the shallow end, slope not exceeding 1:6 with handrails on both sides			
Lifting device			
Transfer area 18" above the path of travel and a minimum of 18" wide			
Unobstructed path of travel not less than 48" wide around pool			
Non-slip surface			
SHOWER ROOMS - Showers must accommodate both wheel-in and transfer use - N/A			
Specification	*Yes*	*No*	*Comments/Transition Notes*
Stalls 36" by 60" minimum, with a 36" door opening			
Floors are pitched to drain the stall at the corner farthest from entrance			
Floors are non-slip surface			
Controls operate by a single lever with a pressure balance mixing valve			
Controls are located on the center wall adjacent to the hinged seat			
Shower heads attached to a flexible metal hose			
Shower heads attached to wall mounting adjustable from 42" to 72" above the floor			
Seat is hinged and padded and at least 16" deep, folds upward, securely attached to side wall, height is 18" to the top of the seat, and at least 24" long			
Soap trays without handhold features unless they can support 250 pounds			
2 grab bars are provided, one 30" and one 48" long, or one continuous L shaped bar			
Grab bars are placed horizontally at 36" above the floor line			
PICNICKING			N/A
Specification	*Yes*	*No*	*Comments/Transition Notes*
space under the table top not less than 30" wide and 19" deep per seating space and not less than 27" clear from the ground to the underside of the table. An additional 29" clear space (totaling 48") must extend beyond the 19" clear space under the table to provide access			
For tables without toe clearance, the knee space under the table must be at least 28" high, 30" wide and 24" deep.			
Top of table no higher than 32" above ground			
Surface of the clear ground space under and around the table must be stable, firm and slip-resistant, and evenly graded with a maximum slope of 2% in all directions			
Accessible tables, grills, and fire rings must have clear ground space of at least 36" around the perimeter			
NOTES			

Date:	07/01/19	Location: Meadow Pond Conservation Area		Schedule of Changes		
				(pending appropriate levels of funding)		
		Physical Barriers	Necessary Changes	Changes to be implemented by the end of FY...	Yearly schedule of Changes (if the Transition Plan is more than 1 year long)	Responsible Person
1.0	Activities & Equipment:					
2.0	Parking/Ramps:					
2.1	Signage	Covered by vegetation	Clear vegetation around signage	2020		ADA Coord
2.2						
2.3						
3.0	Site Access, Path of Travel, Entrances:					
3.1	Entrance:	No accessible path/trail	Add accessible path/trail		Identify Funding	ADA Coord
4.0	Stairs & Doors:					
5.0	Restrooms:					
6.0	Floors, Drinking Fountains, Telephones, Signs, Switches, & Signals:					
7.0	Swimming Pools & Picnicking:					

Facility Inventory	LOCATION:	Mill Pond Conservation Area	STREET ADDRESS:
JURISDICTION & MANAGEMENT:		Conservation Commission	Mill Street Extension
Site Description (from Open Space & Recreation Plan): Watershed, Banks to Open Water, Wildlife Habitat, Passive Recreation, Scenic Vistas, Larger Natural Habitat			
ACTIVITY	EQUIPMENT	NOTES	*Comments/Transition Notes*
Picnic Facilities	Tables & Benches	Located adjacent to accessible paths	None
		Access to Open Spaces	
		Back and Arm Rests	
		Adequate number	
	Grills	Height of Cooking Surface	None
		Located adjacent to accessible paths	
	Trash Cans	Located adjacent to accessible paths	None
	Picnic Shelters	Located adjacent to accessible paths	None
		Located near accessible water fountains, trash can, restroom, parking, etc.	
Trails		Surface material	None
		Dimensions	
		Rails	
		Signage (for visually impaired)	
Swimming Facilities	Pools	Entrance	None
		Location from accessible parking	
		Safety features i.e., warning for visually impaired	
	Beaches	Location from accessible path into water	None
		Handrails	
		Location from accessible parking	
		Shade provided	
Play Areas (tot lots)	All Play Equipment i.e. swings, slides	Same experience provided to all	None
	Access Routes	Located adjacent to accessible paths	None
		Enough space between equipment for wheelchair	

Facility Inventory	LOCATION:	Mill Pond Conservation Area	STREET ADDRESS:
JURISDICTION & MANAGEMENT:		Conservation Commission	Mill Street Extension
Site Description (from Open Space & Recreation Plan): Watershed, Banks to Open Water, Wildlife Habitat, Passive Recreation, Scenic Vistas, Larger Natural Habitat			
ACTIVITY	EQUIPMENT	NOTES	*Comments/Transition Notes*
Game Areas: *ballfield *basketball *tennis	Access Routes	Located adjacent to accessible paths	None
		Berm cuts onto courts	
	Equipment	Height	
		Dimensions	None
		Spectator Seating	
Boat Docks	Access Routes	Located adjacent to accessible paths	None
		Handrails	
Fishing Facilities	Access Routes	Located adjacent to accessible paths	None
		Handrails	
	Equipment	Arm rests	None
		Bait shelves	
		Handrails	
		Fish Cleaning Tables	
Programming	Are special programs at your facilities accessible?	Learn-to-Swim	No
		Guided Hikes	None
		Interpretive Programs	None
Services and Technical Assistance	Information available in alternative formats i.e., for visually impaired		No
	Process to request interpretive services (i.e. sign language interpreter) for meetings		
Notes:			

LOCATION:	Mill Pond Conservation Area		
PARKING			
Total Spaces		***Required Accessible Spaces***	
Up to 25		1 space - No accessible spaces	
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	
Specifications for Accessible Spaces	***Yes***	***No***	***Comments/Transition Notes***
Accessible space located closest to accessible entrance			No accessible spaces
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.		X	
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle		X	
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.		X	
Sign with international symbol of accessibility at each space or pair of spaces		X	
Sign minimum 5 ft, maximum 8 ft to top of sign			
Surface evenly paved or hard-packed (no cracks)		X	Surface uneven
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			
RAMPS			None
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 (4 ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction			
Notes:			Brush and other yard waste in parking area

LOCATION:	Mill Pond Conservation Area		
SITE ACCESS, PATH OF TRAVEL, ENTRANCES			
Specification	*Yes*	*No*	*Comments/Transition Notes*
Accessible path of travel from passenger disembarking area and parking area to accessible entrance		X	
Disembarking area at accessible entrance			
Surface evenly paved or hard-packed		X	Surface uneven with grass and brush
No ponding of water			
Path of Travel			No path
Path does not require the use of stairs			
Path is stable, firm and slip resistant			
3 ft wide minimum			
Slope Maximum 1:20 (5%) and maximum cross pitch is 2% (1:50)			
Continuous common surface, no changes in level greater than 1/2 inch			
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane			
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"			
Curb on the pathway must have curb cuts at drives, parking and drop-offs			
Entrances			None
Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and not be the service entrance			
Level space extending 5 ft. from the door, interior and exterior of entrance doors			
Minimum 32" clear width opening (i.e., 36" door with standard hinge)			
At least 18" clear floor area on latch, pull side of door			
Door handle no higher than 48" and operable with a closed fist			
Vestibule is 4 ft plus the width of the door swinging into the space			
Entrance(s) on a level that makes elevators accessible			
Door mats less than 1/2 " thick are securely fastened			
Door mats more than 1/2" thick are recessed			
Grates in path of travel have openings of 1/2" maximum			
Signs at non-accessible entrance(s) indicate direction at accessible entrance			
Emergency egress - alarms with flashing lights and audible signals, sufficiently lighted			
Notes:			

LOCATION:	Mill Pond Conservation Area		
STAIRS and DOORS	None		
Specification	*Yes*	*No*	*Comments/Transition Notes*
Stairs			
No open risers			
Nosings not projecting			
Treads no less than 11" wide			
Handrails on both sides			
Handrails 34" -38" above tread			
Handrail extends a minimum of 1 ft beyond top and bottom riser (if no safety hazard and space permits)			
Handgrip oval or round			
Handgrip has a smooth surface			
Handgrip diameter between 1 1/4" and 1 1/2"			
1 1/2" clearance between wall and handrail			
Doors			None
Minimum 32" clear opening			
At least 18" clear floor space on pull side of door			
Closing speed minimum 3 seconds to within 3" of the latch			
Maximum pressure 5 pounds interior doors			
Threshold maximum 1/2" high, beveled on both sides			
Hardware operable with a closed fist (no conventional door knobs or thumb latch devices)			
Hardware minimum 36", maximum 48" above the floor			
Clear, level floor space extends out 5 ft from both sides of the door			
Door adjacent to revolving door is accessible and unlocked			
Doors opening into hazardous area have hardware that is knurled or roughened			
Notes:			

LOCATION:	Mill Pond Conservation Area		
RESTROOMS - also see Doors and Vestibules	None		
Specification	*Yes*	*No*	*Comments/Transition Notes*
5 ft turning space measured 12" from the floor			
At least one Sink:			
Clear floor space of 30" by 48" to allow a forward approach			
Mounted without pedestal or legs, height 34" to top of rim			
Extends at least 22" from the wall			
Open knee space a minimum 19" deep, 30" width, and 27" high			
Cover exposed pipes with insulation			
Faucets operable with closed fist (lever or spring activated handle)			
At least one Stall:			
Accessible to person using wheelchair at 60" wide by 72" deep			
Stall door is 36" wide			
Stall door swings out			
Stall door is self-closing			
Stall door has a pull latch			
Lock on stall door is operable with a closed fist, and 32" above the floor			
Coat hook is 54" high			
Toilet			
18" from center to nearest side wall			
42" minimum clear space from center to farthest wall or fixture			
Top of seat 17"-19" above the floor			
Grab Bars			
On back and side wall closest to toilet			
1 1/4" diameter			
1 1/2" clearance to wall			
Located 30" above and parallel to the floor			
Acid-etched or roughened surface			
42" long			
Fixtures			
Toilet paper dispenser is 24" above floor			
One mirror set a maximum 38" to bottom (if tilted, 42")			
Dispensers (towel, soap, etc.) at least one of each a maximum 42" above the floor			
NOTES			

LOCATION:	Mill Pond Conservation Area		
FLOORS, DRINKING FOUNTAINS, TELEPHONES	None		
Specification	*Yes*	*No*	*Comments/Transition Notes*
Floors			*None*
Non-slip surface			
Carpeting is high-density, low-pile, non-absorbent, stretched taut, securely anchored			
Corridor width minimum is 3 ft			
Objects (signs, ceiling lights, fixtures) can only protrude 4" into the path of travel from a height of 27" to 80" above the floor			
Drinking Fountains			None
Spouts no higher than 36" from floor to outlet			
Hand operated push button or level controls			
Spouts located near front with stream of water as parallel to front as possible			
If recessed, recess a minimum 30" width, and no deeper than depth of fountain			
If no clear knee space underneath, clear floor space 30" x 48" to allow parallel approach			
Telephones			
Highest operating part a maximum 54" above the floor			
Access within 12" of phone, 30" high by 30" wide			
Adjustable volume control on headset so identified			
SIGNS, SIGNALS, AND SWITCHES			None
Specification	*Yes*	*No*	*Comments/Transition Notes*
Switches, Controls and Signs			*None*
Switches and controls for light, heat, ventilation, windows, fire alarms, thermostats, etc., must be a minimum of 36" and a maximum of 48" above the floor for a forward reach, a maximum of 54" for a side reach			
Electrical outlets centered no lower than 18" above the floor			
Warning signals must be visual as well as audible			
Signs			None
Mounting height must be 60" to centerline of the sign			
Within 18" of door jamb or recessed			
Letters and number at least 1 1/4" high			
Letters and numbers raised .03"			
Letters and numbers contrast with the background color			
NOTES			

LOCATION:	Mill Pond Conservation Area		
SWIMMING POOLS - accessibility can be via ramp, lifting device, or transfer area - None			
Specification	*Yes*	*No*	*Comments/Transition Notes*
Ramp at least 34" wide with a non-slip surface extending into the shallow end, slope not exceeding 1:6 with handrails on both sides			
Lifting device			
Transfer area 18" above the path of travel and a minimum of 18" wide			
Unobstructed path of travel not less than 48" wide around pool			
Non-slip surface			
SHOWER ROOMS - Showers must accommodate both wheel-in and transfer use - None			
Specification	*Yes*	*No*	*Comments/Transition Notes*
Stalls 36" by 60" minimum, with a 36" door opening			
Floors are pitched to drain the stall at the corner farthest from entrance			
Floors are non-slip surface			
Controls operate by a single lever with a pressure balance mixing valve			
Controls are located on the center wall adjacent to the hinged seat			
Shower heads attached to a flexible metal hose			
Shower heads attached to wall mounting adjustable from 42" to 72" above the floor			
Seat is hinged and padded and at least 16" deep, folds upward, securely attached to side wall, height is 18" to the top of the seat, and at least 24" long			
Soap trays without handhold features unless they can support 250 pounds			
2 grab bars are provided, one 30" and one 48" long, or one continuous L shaped bar			
Grab bars are placed horizontally at 36" above the floor line			
PICNICKING			No
Specification	*Yes*	*No*	*Comments/Transition Notes*
space under the table top not less than 30" wide and 19" deep per seating space and not less than 27" clear from the ground to the underside of the table. An additional 29" clear space (totaling 48") must extend beyond the 19" clear space under the table to provide access			
For tables without toe clearance, the knee space under the table must be at least 28" high, 30" wide and 24" deep.			
Top of table no higher than 32" above ground			
Surface of the clear ground space under and around the table must be stable, firm and slip-resistant, and evenly graded with a maximum slope of 2% in all directions			
Accessible tables, grills, and fire rings must have clear ground space of at least 36" around the perimeter			
NOTES			

Date:	08/01/19	Location: Mill Pond Conservation Area		Schedule of Changes		
				(pending appropriate levels of funding)		
		Physical Barriers	Necessary Changes	Changes to be implemented by the end of FY...	Yearly schedule of Changes (if the Transition Plan is more than 1 year long)	Responsible Person
1.0	Activities & Equipment:					
2.0	Parking/Ramps:	No Accessible Park Space	Add Accessible Parking Space/Signage		Identify Funding Source	ADA Coord
2.1		Uneven surface in parking area	Make parking surface level/accessible		Identify Funding Source	ADA Coord
2.2						
2.3						
3.0	Site Access, Path of Travel, Entrances:					
3.1	Entrance:		Possible location for accessible viewing platform		Identify Funding Source	ADA Coord
4.0	Stairs & Doors:					
5.0	Restrooms:					
6.0	Floors, Drinking Fountains, Telephones, Signs, Switches, & Signals:					
7.0	Swimming Pools & Picnicking:					

Facility Inventory	LOCATION:	Perry Park	STREET ADDRESS:
JURISDICTION & MANAGEMENT:		Town of Groveland	Main Street
Site Description (from Open Space & Recreation Plan): Passive & Active Recreation			
ACTIVITY	EQUIPMENT	NOTES	*Comments/Transition Notes*
Picnic Facilities	Tables & Benches	Located adjacent to accessible paths	None
		Access to Open Spaces	
		Back and Arm Rests	
		Adequate number	
	Grills	Height of Cooking Surface	None
		Located adjacent to accessible paths	
	Trash Cans	Located adjacent to accessible paths	None
	Picnic Shelters	Located adjacent to accessible paths	None
		Located near accessible water fountains, trash can, restroom, parking, etc.	
Trails		Surface material	Grass
		Dimensions	
		Rails	
		Signage (for visually impaired)	None
Swimming Facilities	Pools	Entrance	None
		Location from accessible parking	
		Safety features i.e., warning for visually impaired	
	Beaches	Location from accessible path into water	None
		Handrails	
		Location from accessible parking	
		Shade provided	
Play Areas (tot lots)	All Play Equipment i.e. swings, slides	Same experience provided to all	None
	Access Routes	Located adjacent to accessible paths	
		Enough space between equipment for wheelchair	

Facility Inventory	LOCATION:	Perry Park	STREET ADDRESS:
JURISDICTION & MANAGEMENT:		Town of Groveland	Main Street
Site Description (from Open Space & Recreation Plan): Passive & Active Recreation			
ACTIVITY	EQUIPMENT	NOTES	*Comments/Transition Notes*
Game Areas: *ballfield *basketball *tennis	Access Routes	Located adjacent to accessible paths	None
		Berm cuts onto courts	
	Equipment	Height	None
		Dimensions	
		Spectator Seating	
Boat Docks	Access Routes	Located adjacent to accessible paths	None
		Handrails	
Fishing Facilities	Access Routes	Located adjacent to accessible paths	None
		Handrails	
	Equipment	Arm rests	None
		Bait shelves	
		Handrails	
		Fish Cleaning Tables	
Programming	Are special programs at your facilities accessible?	Learn-to-Swim	
		Guided Hikes	None
		Interpretive Programs	None
Services and Technical Assistance	Information available in alternative formats i.e., for visually impaired		No
	Process to request interpretive services (i.e. sign language interpreter) for meetings		
Notes:			

LOCATION:	Perry Park		
PARKING - packed soil and grass area off Rte 113			
Total Spaces		*Required Accessible Spaces*	
Up to 25		1 space - No accessible spaces or signage	
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	
Specifications 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.		X	
Sign with international symbol of accessibility at each space or pair of spaces		X	
Sign minimum 5 ft, maximum 8 ft to top of sign			
Surface evenly paved or hard-packed (no cracks)	X		Packed soil and grass
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			
RAMPS			None
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 (4 ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction			
Notes:			

LOCATION:	Perry Park		
SITE ACCESS, PATH OF TRAVEL, ENTRANCES			
Specification	*Yes*	*No*	*Comments/Transition Notes*
Accessible path of travel from passenger disembarking area and parking area to accessible entrance		X	No path
Disembarking area at accessible entrance		X	
Surface evenly paved or hard-packed		X	Mix of soil ang grass parking area
No ponding of water		X	
Path of Travel			None
Path does not require the use of stairs			
Path is stable, firm and slip resistant			
3 ft wide minimum			
Slope Maximum 1:20 (5%) and maximum cross pitch is 2% (1:50)			
Continuous common surface, no changes in level greater than 1/2 inch			
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane			
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"			
Curb on the pathway must have curb cuts at drives, parking and drop-offs			
Entrances			None
Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and not be the service entrance			
Level space extending 5 ft. from the door, interior and exterior of entrance doors			
Minimum 32" clear width opening (i.e., 36" door with standard hinge)			
At least 18" clear floor area on latch, pull side of door			
Door handle no higher than 48" and operable with a closed fist			
Vestibule is 4 ft plus the width of the door swinging into the space			
Entrance(s) on a level that makes elevators accessible			
Door mats less than 1/2 " thick are securely fastened			
Door mats more than 1/2" thick are recessed			
Grates in path of travel have openings of 1/2" maximum			
Signs at non-accessible entrance(s) indicate direction at accessible entrance			
Emergency egress - alarms with flashing lights and audible signals, sufficiently lighted			
Notes:			

LOCATION:	Perry Park		
STAIRS and DOORS	None		
Specification	*Yes*	*No*	*Comments/Transition Notes*
Stairs			
No open risers			
Nosings not projecting			
Treads no less than 11" wide			
Handrails on both sides			
Handrails 34" -38" above tread			
Handrail extends a minimum of 1 ft beyond top and bottom riser (if no safety hazard and space permits)			
Handgrip oval or round			
Handgrip has a smooth surface			
Handgrip diameter between 1 1/4" and 1 1/2"			
1 1/2" clearance between wall and handrail			
Doors			
Minimum 32" clear opening			
At least 18" clear floor space on pull side of door			
Closing speed minimum 3 seconds to within 3" of the latch			
Maximum pressure 5 pounds interior doors			
Threshold maximum 1/2" high, beveled on both sides			
Hardware operable with a closed fist (no conventional door knobs or thumb latch devices)			
Hardware minimum 36", maximum 48" above the floor			
Clear, level floor space extends out 5 ft from both sides of the door			
Door adjacent to revolving door is accessible and unlocked			
Doors opening into hazardous area have hardware that is knurled or roughened			
Notes:			

LOCATION:	Perry Park		
RESTROOMS - also see Doors and Vestibules	None		
Specification	*Yes*	*No*	*Comments/Transition Notes*
5 ft turning space measured 12" from the floor			
At least one Sink:			
Clear floor space of 30" by 48" to allow a forward approach			
Mounted without pedestal or legs, height 34" to top of rim			
Extends at least 22" from the wall			
Open knee space a minimum 19" deep, 30" width, and 27" high			
Cover exposed pipes with insulation			
Faucets operable with closed fist (lever or spring activated handle)			
At least one Stall:			
Accessible to person using wheelchair at 60" wide by 72" deep			
Stall door is 36" wide			
Stall door swings out			
Stall door is self-closing			
Stall door has a pull latch			
Lock on stall door is operable with a closed fist, and 32" above the floor			
Coat hook is 54" high			
Toilet			
18" from center to nearest side wall			
42" minimum clear space from center to farthest wall or fixture			
Top of seat 17"-19" above the floor			
Grab Bars			
On back and side wall closest to toilet			
1 1/4" diameter			
1 1/2" clearance to wall			
Located 30" above and parallel to the floor			
Acid-etched or roughened surface			
42" long			
Fixtures			
Toilet paper dispenser is 24" above floor			
One mirror set a maximum 38" to bottom (if tilted, 42")			
Dispensers (towel, soap, etc.) at least one of each a maximum 42" above the floor			
NOTES			

LOCATION:	Perry Park		
FLOORS, DRINKING FOUNTAINS, TELEPHONES			None
Specification	*Yes*	*No*	*Comments/Transition Notes*
Floors			
Non-slip surface			
Carpeting is high-density, low-pile, non-absorbent, stretched taut, securely anchored			
Corridor width minimum is 3 ft			
Objects (signs, ceiling lights, fixtures) can only protrude 4" into the path of travel from a height of 27" to 80" above the floor			
Drinking Fountains			
Spouts no higher than 36" from floor to outlet			
Hand operated push button or level controls			
Spouts located near front with stream of water as parallel to front as possible			
If recessed, recess a minimum 30" width, and no deeper than depth of fountain			
If no clear knee space underneath, clear floor space 30" x 48" to allow parallel approach			
Telephones			
Highest operating part a maximum 54" above the floor			
Access within 12" of phone, 30" high by 30" wide			
Adjustable volume control on headset so identified			
SIGNS, SIGNALS, AND SWITCHES			None
Specification	*Yes*	*No*	*Comments/Transition Notes*
Switches, Controls and Signs			
Switches and controls for light, heat, ventilation, windows, fire alarms, thermostats, etc., must be a minimum of 36" and a maximum of 48" above the floor for a forward reach, a maximum of 54" for a side reach			
Electrical outlets centered no lower than 18" above the floor			
Warning signals must be visual as well as audible			
Signs			
Mounting height must be 60" to centerline of the sign			
Within 18" of door jamb or recessed			
Letters and number at least 1 1/4" high			
Letters and numbers raised .03"			
Letters and numbers contrast with the background color			
NOTES			

LOCATION:	Perry Park		
SWIMMING POOLS - accessibility can be via ramp, lifting device, or transfer area - None			
Specification	*Yes*	*No*	*Comments/Transition Notes*
Ramp at least 34" wide with a non-slip surface extending into the shallow end, slope not exceeding 1:6 with handrails on both sides			
Lifting device			
Transfer area 18" above the path of travel and a minimum of 18" wide			
Unobstructed path of travel not less than 48" wide around pool			
Non-slip surface			
SHOWER ROOMS - Showers must accommodate both wheel-in and transfer use - None			
Specification	*Yes*	*No*	*Comments/Transition Notes*
Stalls 36" by 60" minimum, with a 36" door opening			
Floors are pitched to drain the stall at the corner farthest from entrance			
Floors are non-slip surface			
Controls operate by a single lever with a pressure balance mixing valve			
Controls are located on the center wall adjacent to the hinged seat			
Shower heads attached to a flexible metal hose			
Shower heads attached to wall mounting adjustable from 42" to 72" above the floor			
Seat is hinged and padded and at least 16" deep, folds upward, securely attached to side wall, height is 18" to the top of the seat, and at least 24" long			
Soap trays without handhold features unless they can support 250 pounds			
2 grab bars are provided, one 30" and one 48" long, or one continuous L shaped bar			
Grab bars are placed horizontally at 36" above the floor line			
PICNICKING			No
Specification	*Yes*	*No*	*Comments/Transition Notes*
space under the table top not less than 30" wide and 19" deep per seating space and not less than 27" clear from the ground to the underside of the table. An additional 29" clear space (totaling 48") must extend beyond the 19" clear space under the table to provide access			
For tables without toe clearance, the knee space under the table must be at least 28" high, 30" wide and 24" deep.			
Top of table no higher than 32" above ground			
Surface of the clear ground space under and around the table must be stable, firm and slip-resistant, and evenly graded with a maximum slope of 2% in all directions			
Accessible tables, grills, and fire rings must have clear ground space of at least 36" around the perimeter			
NOTES			

Date:	07/01/19	Location: Perry Park		Schedule of Changes		
				(pending appropriate levels of funding)		
		Physical Barriers	Necessary Changes	Changes to be implemented by the end of FY...	Yearly schedule of Changes (if the Transition Plan is more than 1 year long)	Responsible Person
1.0	Activities & Equipment:					
2.0	Parking/Ramps:	No accessible parking or signage	Add accessible parking/signage (see below - parking surface in poor condition)		Identify Funding Source	ADA Coord
2.1		Parking Surface Uneven	Add stable parking surface		Identify Funding Source	ADA Coord
2.2						
2.3						
3.0	Site Access, Path of Travel, Entrances:					
3.1	Entrance:	No access path	Add accessible access path		Identify Funding Source	ADA Coord
4.0	Stairs & Doors:					
5.0	Restrooms:					
6.0	Floors, Drinking Fountains, Telephones, Signs, Switches, & Signals:					
7.0	Swimming Pools & Picnicking:	No Picnic Area	Accessible Picnic Area Possible		Identify Funding Source	ADA Coord

Facility Inventory	LOCATION:	The Pines Recreation Area	STREET ADDRESS:
JURISDICTION & MANAGEMENT:		Town of Groveland/Water Dept.	125 Main Street
Site Description (from Open Space & Recreation Plan):			
ACTIVITY	EQUIPMENT	NOTES	*Comments/Transition Notes*
Picnic Facilities	Tables & Benches	Located adjacent to accessible paths	Yes
		Access to Open Spaces	Yes
		Back and Arm Rests	No
		Adequate number	Yes
	Grills	Height of Cooking Surface	24"
		Located adjacent to accessible paths	Yes
	Trash Cans	Located adjacent to accessible paths	Yes
	Picnic Shelters	Located adjacent to accessible paths	Yes
		Located near accessible water fountains, trash can, restroom, parking, etc.	Shade Trees - Yes
Trails	No Trails	Surface material	None
		Dimensions	"
		Rails	"
		Signage (for visually impaired)	"
Swimming Facilities	Pools - None	Entrance	"
		Location from accessible parking	"
		Safety features i.e., warning for visually impaired	"
	Beaches - None	Location from accessible path into water	"
		Handrails	"
		Location from accessible parking	"
		Shade provided	"
Play Areas (tot lots)	All Play Equipment i.e. swings, slides	Same experience provided to all	Yes
	Access Routes	Located adjacent to accessible paths	Yes
		Enough space between equipment for wheelchair	Yes

Facility Inventory	LOCATION:	The Pines Recreation Area	STREET ADDRESS:
JURISDICTION & MANAGEMENT:		Town of Groveland/Water Dept.	125 Main Street
Site Description (from Open Space & Recreation Plan):			
ACTIVITY	EQUIPMENT	NOTES	*Comments/Transition Notes*
Game Areas: *ballfield *basketball *tennis	Access Routes	Located adjacent to accessible paths	Yes
		Berm cuts onto courts	Yes
	Equipment	Height	Regulation size
		Dimensions	Regulation size
		Spectator Seating	Yes
Boat Docks	Access Routes	Located adjacent to accessible paths	Path paved but grade steep
		Handrails	No
Fishing Facilities	Access Routes	Located adjacent to accessible paths	None
		Handrails	"
	Equipment	Arm rests	"
		Bait shelves	"
		Handrails	"
		Fish Cleaning Tables	"
Programming	Are special programs at your facilities accessible?	Learn-to-Swim	No
		Guided Hikes	No
		Interpretive Programs	No
Services and Technical Assistance	Information available in alternative formats i.e., for visually impaired		No
	Process to request interpretive services (i.e. sign language interpreter) for meetings		No
Notes: 2 Cage fenced baseball fields, batting cage, dog park, pop warner football practice field, Tot lot (slides, swings, climbing structure), boat launch/ramp, accessible bathroom facilities, basketball courts (4 nets), 7 tables and grills			

LOCATION:	The Pines Recreation Area		
PARKING			
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 - 3 signed spaces	
151-200		6 spaces	
201-300		7 spaces	
301-400		8 spaces	
401-500		9 spaces	
Specifications for Accessible Spaces	***Yes***	***No***	***Comments/Transition Notes***
Accessible space located closest to accessible entrance			2 Additional spaces needed
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.	X		
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle	X		
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	X		
Sign minimum 5 ft, maximum 8 ft to top of sign	X		
Surface evenly paved or hard-packed (no cracks)	X		
Surface slope less than 1:20 (5%)	X		
Curbcut to pathway from parking lot at each space or pair of spaces, if sidewalk (curb is present)	X		
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	X		
RAMPS - no ramps			
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 (4 ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction			
Notes:			

LOCATION:	The Pines Recreation Area		
SITE ACCESS, PATH OF TRAVEL, ENTRANCES			
Specification	*Yes*	*No*	*Comments/Transition Notes*
Accessible path of travel from passenger disembarking area and parking area to accessible entrance	X		
Disembarking area at accessible entrance	X		
Surface evenly paved or hard-packed	X		
No ponding of water	X		
Path of Travel			
Path does not require the use of stairs	X		
Path is stable, firm and slip resistant	X		
3 ft wide minimum	X		
Slope Maximum 1:20 (5%) and maximum cross pitch is 2% (1:50)	X		
Continuous common surface, no changes in level greater than 1/2 inch	X		
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane	X		
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"	X		
Curb on the pathway must have curb cuts at drives, parking and drop-offs	X		
Entrances			
Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and not be the service entrance	X		
Level space extending 5 ft. from the door, interior and exterior of entrance doors	X		
Minimum 32" clear width opening (i.e., 36" door with standard hinge)	X		
At least 18" clear floor area on latch, pull side of door	X		
Door handle no higher than 48" and operable with a closed fist	X		
Vestibule is 4 ft plus the width of the door swinging into the space	X		
Entrance(s) on a level that makes elevators accessible	N/A		
Door mats less than 1/2 " thick are securely fastened	X		
Door mats more than 1/2" thick are recessed	X		
Grates in path of travel have openings of 1/2" maximum	X		
Signs at non-accessible entrance(s) indicate direction at accessible entrance	X		
Emergency egress - alarms with flashing lights and audible signals, sufficiently lighted	N/A		
Notes:			

LOCATION:	The Pines Recreation Area		
STAIRS and DOORS - None			
Specification	*Yes*	*No*	*Comments/Transition Notes*
Stairs			*None*
No open risers			
Nosings not projecting			
Treads no less than 11" wide			
Handrails on both sides			
Handrails 34" -38" above tread			
Handrail extends a minimum of 1 ft beyond top and bottom riser (if no safety hazard and space permits)			
Handgrip oval or round			
Handgrip has a smooth surface			
Handgrip diameter between 1 1/4" and 1 1/2"			
1 1/2" clearance between wall and handrail			
Doors			None - see entrances
Minimum 32" clear opening			
At least 18" clear floor space on pull side of door			
Closing speed minimum 3 seconds to within 3" of the latch			
Maximum pressure 5 pounds interior doors			
Threshold maximum 1/2" high, beveled on both sides			
Hardware operable with a closed fist (no conventional door knobs or thumb latch devices)			
Hardware minimum 36", maximum 48" above the floor			
Clear, level floor space extends out 5 ft from both sides of the door			
Door adjacent to revolving door is accessible and unlocked			
Doors opening into hazardous area have hardware that is knurled or roughened			
Notes:			

LOCATION:	The Pines Recreation Area		
RESTROOMS - also see Doors and Vestibules			
Specification	***Yes***	***No***	***Comments/Transition Notes***
5 ft turning space measured 12" from the floor	X		
At least one Sink:	X		
Clear floor space of 30" by 48" to allow a forward approach	X		
Mounted without pedestal or legs, height 34" to top of rim	X		
Extends at least 22" from the wall	X		
Open knee space a minimum 19" deep, 30" width, and 27" high	X		
Cover exposed pipes with insulation			
Faucets operable with closed fist (lever or spring activated handle)	X		
At least one Stall:	X		
Accessible to person using wheelchair at 60" wide by 72" deep	X		
Stall door is 36" wide	X		
Stall door swings out	X		
Stall door is self-closing		X	
Stall door has a pull latch	X		
Lock on stall door is operable with a closed fist, and 32" above the floor	X		
Coat hook is 54" high		X	62" - lower hook
Toilet			Yes
18" from center to nearest side wall	X		
42" minimum clear space from center to farthest wall or fixture	X		
Top of seat 17"-19" above the floor	X		
Grab Bars			Yes
On back and side wall closest to toilet	X		
1 1/4" diameter	X		
1 1/2" clearance to wall	X		
Located 30" above and parallel to the floor	X		
Acid-etched or roughened surface	X		
42" long	X		
Fixtures			
Toilet paper dispenser is 24" above floor	X		
One mirror set a maximum 38" to bottom (if tilted, 42")	X		
Dispensers (towel, soap, etc.) at least one of each a maximum 42" above the floor	X		
NOTES			

LOCATION:	The Pines Recreation Area		
FLOORS, DRINKING FOUNTAINS, TELEPHONES			
Specification	***Yes***	***No***	***Comments/Transition Notes***
Floors			
Non-slip surface			
Carpeting is high-density, low-pile, non-absorbent, stretched taut, securely anchored			
Corridor width minimum is 3 ft			
Objects (signs, ceiling lights, fixtures) can only protrude 4" into the path of travel from a height of 27" to 80" above the floor			
Drinking Fountains			
Spouts no higher than 36" from floor to outlet			
Hand operated push button or level controls			
Spouts located near front with stream of water as parallel to front as possible			
If recessed, recess a minimum 30" width, and no deeper than depth of fountain			
If no clear knee space underneath, clear floor space 30" x 48" to allow parallel approach			
Telephones - None			
Highest operating part a maximum 54" above the floor			
Access within 12" of phone, 30" high by 30" wide			
Adjustable volume control on headset so identified			
SIGNS, SIGNALS, AND SWITCHES			
Specification	***Yes***	***No***	***Comments/Transition Notes***
Switches, Controls and Signs			
Switches and controls for light, heat, ventilation, windows, fire alarms, thermostats, etc., must be a minimum of 36" and a maximum of 48" above the floor for a forward reach, a maximum of 54" for a side reach			
Electrical outlets centered no lower than 18" above the floor			
Warning signals must be visual as well as audible			
Signs			
Mounting height must be 60" to centerline of the sign			
Within 18" of door jamb or recessed			
Letters and number at least 1 1/4" high			
Letters and numbers raised .03"			
Letters and numbers contrast with the background color			
NOTES			

LOCATION:	The Pines Recreation Area		
SWIMMING POOLS - accessibility can be via ramp, lifting device, or transfer area - None			
Specification	*Yes*	*No*	*Comments/Transition Notes*
Ramp at least 34" wide with a non-slip surface extending into the shallow end, slope not exceeding 1:6 with handrails on both sides			
Lifting device			
Transfer area 18" above the path of travel and a minimum of 18" wide			
Unobstructed path of travel not less than 48" wide around pool			
Non-slip surface			
SHOWER ROOMS - Showers must accommodate both wheel-in and transfer use - None			
Specification	*Yes*	*No*	*Comments/Transition Notes*
Stalls 36" by 60" minimum, with a 36" door opening			
Floors are pitched to drain the stall at the corner farthest from entrance			
Floors are non-slip surface			
Controls operate by a single lever with a pressure balance mixing valve			
Controls are located on the center wall adjacent to the hinged seat			
Shower heads attached to a flexible metal hose			
Shower heads attached to wall mounting adjustable from 42" to 72" above the floor			
Seat is hinged and padded and at least 16" deep, folds upward, securely attached to side wall, height is 18" to the top of the seat, and at least 24" long			
Soap trays without handhold features unless they can support 250 pounds			
2 grab bars are provided, one 30" and one 48" long, or one continuous L shaped bar			
Grab bars are placed horizontally at 36" above the floor line			
PICNICKING			
Specification	*Yes*	*No*	*Comments/Transition Notes*
space under the table top not less than 30" wide and 19" deep per seating space and not less than 27" clear from the ground to the underside of the table. An additional 29" clear space (totaling 48") must extend beyond the 19" clear space under the table to provide access		X	Addition of accessible picnic tables
For tables without toe clearance, the knee space under the table must be at least 28" high, 30" wide and 24" deep.		X	
Top of table no higher than 32" above ground	X		
Surface of the clear ground space under and around the table must be stable, firm and slip-resistant, and evenly graded with a maximum slope of 2% in all directions		X	
Accessible tables, grills, and fire rings must have clear ground space of at least 36" around the perimeter		X	
NOTES			

Date:	07/01/19	Location: Pines Recreation Area		Schedule of Changes		
				(pending appropriate levels of funding)		
		Physical Barriers	Necessary Changes	Changes to be implemented by the end of FY...	Yearly schedule of Changes (if the Transition Plan is more than 1 year long)	Responsible Person
1.0	Activities & Equipment:	Boat Ramp Not Accessible	Make Boat Ramp Accessible		Identify Funding	ADA Coord
2.0	Parking/Ramps:	5 Accessible spaces required	Add two accessible spaces	2021		ADA Coord
2.1						
2.2						
2.3						
3.0	Site Access, Path of Travel, Entrances:					
3.1	Entrance:					
4.0	Stairs & Doors:					
5.0	Restrooms:	Coat hook too high	Lower coat hook	2020		ADA Coord
6.0	Floors, Drinking Fountains, Telephones, Signs, Switches, & Signals:					
7.0	Swimming Pools & Picnicking:	No accessible picnic tables	Add accessible table	2021		ADA Coord

Facility Inventory	LOCATION:	Pond Street Conservation Area	STREET ADDRESS:
JURISDICTION & MANAGEMENT:		Conservation Commission	Pond Street
Site Description (from Open Space & Recreation Plan):Watershed, Banks to Open Water, Steep Slopes, Wildlife Habitat, Passive Recreation, Scenic Vistas, Larger Natural Habitat - Street Parking Possible - No trail access			
ACTIVITY	EQUIPMENT	NOTES	*Comments/Transition Notes*
Picnic Facilities	Tables & Benches	Located adjacent to accessible paths	None
		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		Surface material	None
		Dimensions	
		Rails	
		Signage (for visually impaired)	
Swimming Facilities	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	Same experience provided to all	None
	Access Routes	Located adjacent to accessible paths	
		Enough space between equipment for wheelchair	

Facility Inventory	LOCATION:	Pond Street Conservation Area	STREET ADDRESS:
JURISDICTION & MANAGEMENT:		Conservation Commission	Pond Street
Site Description (from Open Space & Recreation Plan):Watershed, Banks to Open Water, Steep Slopes, Wildlife Habitat, Passive Recreation, Scenic Vistas, Larger Natural Habitat - Street Parking Possible - No trail access			
ACTIVITY	EQUIPMENT	NOTES	*Comments/Transition Notes*
Game Areas: *ballfield *basketball *tennis	Access Routes	Located adjacent to accessible paths	None
		Berm cuts onto courts	
	Equipment	Height	
		Dimensions	
		Spectator Seating	
Boat Docks	Access Routes	Located adjacent to accessible paths	None
		Handrails	
Fishing Facilities	Access Routes	Located adjacent to accessible paths	None
		Handrails	
	Equipment	Arm rests	None
		Bait shelves	
		Handrails	
		Fish Cleaning Tables	
Programming	Are special programs at your facilities accessible?	Learn-to-Swim	
		Guided Hikes	None
		Interpretive Programs	None
Services and Technical Assistance	Information available in alternative formats i.e., for visually impaired		None
	Process to request interpretive services (i.e. sign language interpreter) for meetings		
Notes:			

LOCATION:	Pond Street Conservation Area		
PARKING - Narrow area for street parking - no path or trail access			
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		
Specifications for Accessible Spaces	*Yes*	*No*	*Comments/Transition Notes*
Accessible space located closest to accessible entrance			None
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			
RAMPS			None
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 (4 ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction			
Notes:			

LOCATION:	Pond Street Conservation Area		
SITE ACCESS, PATH OF TRAVEL, ENTRANCES	None		
Specification	*Yes*	*No*	*Comments/Transition Notes*
Accessible path of travel from passenger disembarking area and parking area to accessible entrance			
Disembarking area at accessible entrance			
Surface evenly paved or hard-packed			
No ponding of water			
Path of Travel			
Path does not require the use of stairs			
Path is stable, firm and slip resistant			
3 ft wide minimum			
Slope Maximum 1:20 (5%) and maximum cross pitch is 2% (1:50)			
Continuous common surface, no changes in level greater than 1/2 inch			
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane			
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"			
Curb on the pathway must have curb cuts at drives, parking and drop-offs			
Entrances			None
Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and not be the service entrance			
Level space extending 5 ft. from the door, interior and exterior of entrance doors			
Minimum 32" clear width opening (i.e., 36" door with standard hinge)			
At least 18" clear floor area on latch, pull side of door			
Door handle no higher than 48" and operable with a closed fist			
Vestibule is 4 ft plus the width of the door swinging into the space			
Entrance(s) on a level that makes elevators accessible			
Door mats less than 1/2 " thick are securely fastened			
Door mats more than 1/2" thick are recessed			
Grates in path of travel have openings of 1/2" maximum			
Signs at non-accessible entrance(s) indicate direction at accessible entrance			
Emergency egress - alarms with flashing lights and audible signals, sufficiently lighted			
Notes:			

LOCATION:	Pond Street Conservation Area		
STAIRS and DOORS	None		
Specification	*Yes*	*No*	*Comments/Transition Notes*
Stairs			
No open risers			
Nosings not projecting			
Treads no less than 11" wide			
Handrails on both sides			
Handrails 34" -38" above tread			
Handrail extends a minimum of 1 ft beyond top and bottom riser (if no safety hazard and space permits)			
Handgrip oval or round			
Handgrip has a smooth surface			
Handgrip diameter between 1 1/4" and 1 1/2"			
1 1/2" clearance between wall and handrail			
Doors			
Minimum 32" clear opening			
At least 18" clear floor space on pull side of door			
Closing speed minimum 3 seconds to within 3" of the latch			
Maximum pressure 5 pounds interior doors			
Threshold maximum 1/2" high, beveled on both sides			
Hardware operable with a closed fist (no conventional door knobs or thumb latch devices)			
Hardware minimum 36", maximum 48" above the floor			
Clear, level floor space extends out 5 ft from both sides of the door			
Door adjacent to revolving door is accessible and unlocked			
Doors opening into hazardous area have hardware that is knurled or roughened			
Notes:			

LOCATION:	Pond Street Conservation Area		
RESTROOMS - also see Doors and Vestibules	None		
Specification	*Yes*	*No*	*Comments/Transition Notes*
5 ft turning space measured 12" from the floor			
At least one Sink:			
Clear floor space of 30" by 48" to allow a forward approach			
Mounted without pedestal or legs, height 34" to top of rim			
Extends at least 22" from the wall			
Open knee space a minimum 19" deep, 30" width, and 27" high			
Cover exposed pipes with insulation			
Faucets operable with closed fist (lever or spring activated handle)			
At least one Stall:			
Accessible to person using wheelchair at 60" wide by 72" deep			
Stall door is 36" wide			
Stall door swings out			
Stall door is self-closing			
Stall door has a pull latch			
Lock on stall door is operable with a closed fist, and 32" above the floor			
Coat hook is 54" high			
Toilet			
18" from center to nearest side wall			
42" minimum clear space from center to farthest wall or fixture			
Top of seat 17"-19" above the floor			
Grab Bars			
On back and side wall closest to toilet			
1 1/4" diameter			
1 1/2" clearance to wall			
Located 30" above and parallel to the floor			
Acid-etched or roughened surface			
42" long			
Fixtures			
Toilet paper dispenser is 24" above floor			
One mirror set a maximum 38" to bottom (if tilted, 42")			
Dispensers (towel, soap, etc.) at least one of each a maximum 42" above the floor			
NOTES			

LOCATION:	Pond Street Conservation Area		
FLOORS, DRINKING FOUNTAINS, TELEPHONES	None		
Specification	*Yes*	*No*	*Comments/Transition Notes*
Floors			
Non-slip surface			
Carpeting is high-density, low-pile, non-absorbent, stretched taut, securely anchored			
Corridor width minimum is 3 ft			
Objects (signs, ceiling lights, fixtures) can only protrude 4" into the path of travel from a height of 27" to 80" above the floor			
Drinking Fountains			
Spouts no higher than 36" from floor to outlet			
Hand operated push button or level controls			
Spouts located near front with stream of water as parallel to front as possible			
If recessed, recess a minimum 30" width, and no deeper than depth of fountain			
If no clear knee space underneath, clear floor space 30" x 48" to allow parallel approach			
Telephones			
Highest operating part a maximum 54" above the floor			
Access within 12" of phone, 30" high by 30" wide			
Adjustable volume control on headset so identified			
SIGNS, SIGNALS, AND SWITCHES			None
Specification	*Yes*	*No*	*Comments/Transition Notes*
Switches, Controls and Signs			
Switches and controls for light, heat, ventilation, windows, fire alarms, thermostats, etc., must be a minimum of 36" and a maximum of 48" above the floor for a forward reach, a maximum of 54" for a side reach			
Electrical outlets centered no lower than 18" above the floor			
Warning signals must be visual as well as audible			
Signs			
Mounting height must be 60" to centerline of the sign			
Within 18" of door jamb or recessed			
Letters and number at least 1 1/4" high			
Letters and numbers raised .03"			
Letters and numbers contrast with the background color			
NOTES			

LOCATION:	Pond Street Conservation Area		
SWIMMING POOLS - accessibility can be via ramp, lifting device, or transfer area - None			
Specification	*Yes*	*No*	*Comments/Transition Notes*
Ramp at least 34" wide with a non-slip surface extending into the shallow end, slope not exceeding 1:6 with handrails on both sides			
Lifting device			
Transfer area 18" above the path of travel and a minimum of 18" wide			
Unobstructed path of travel not less than 48" wide around pool			
Non-slip surface			
SHOWER ROOMS - Showers must accommodate both wheel-in and transfer use - None			
Specification	*Yes*	*No*	*Comments/Transition Notes*
Stalls 36" by 60" minimum, with a 36" door opening			
Floors are pitched to drain the stall at the corner farthest from entrance			
Floors are non-slip surface			
Controls operate by a single lever with a pressure balance mixing valve			
Controls are located on the center wall adjacent to the hinged seat			
Shower heads attached to a flexible metal hose			
Shower heads attached to wall mounting adjustable from 42" to 72" above the floor			
Seat is hinged and padded and at least 16" deep, folds upward, securely attached to side wall, height is 18" to the top of the seat, and at least 24" long			
Soap trays without handhold features unless they can support 250 pounds			
2 grab bars are provided, one 30" and one 48" long, or one continuous L shaped bar			
Grab bars are placed horizontally at 36" above the floor line			
PICNICKING			None
Specification	*Yes*	*No*	*Comments/Transition Notes*
space under the table top not less than 30" wide and 19" deep per seating space and not less than 27" clear from the ground to the underside of the table. An additional 29" clear space (totaling 48") must extend beyond the 19" clear space under the table to provide access			
For tables without toe clearance, the knee space under the table must be at least 28" high, 30" wide and 24" deep.			
Top of table no higher than 32" above ground			
Surface of the clear ground space under and around the table must be stable, firm and slip-resistant, and evenly graded with a maximum slope of 2% in all directions			
Accessible tables, grills, and fire rings must have clear ground space of at least 36" around the perimeter			
NOTES			

Date:	07/01/19	Location: Pond Street Conservation Area		Schedule of Changes		
				(pending appropriate levels of funding)		
		Physical Barriers	Necessary Changes	Changes to be implemented by the end of FY...	Yearly schedule of Changes (if the Transition Plan is more than 1 year long)	Responsible Person
1.0	Activities & Equipment:					
2.0	Parking/Ramps:	Narrow Streets	Consider accessible parking if area is improved		Determine Feasibility	ADA Coord
2.1						
2.2						
2.3						
3.0	Site Access, Path of Travel, Entrances:					
3.1	Entrance:					
4.0	Stairs & Doors:					
5.0	Restrooms:					
6.0	Floors, Drinking Fountains, Telephones, Signs, Switches, & Signals:					
7.0	Swimming Pools & Picnicking:					

Facility Inventory	LOCATION:	Quaker's Corner Green	STREET ADDRESS:
JURISDICTION & MANAGEMENT:		Conservation Commission	1 J B Little Road
Site Description (from Open Space & Recreation Plan): Passive Recreation			
ACTIVITY	EQUIPMENT	NOTES	*Comments/Transition Notes*
Picnic Facilities	Tables & Benches	Located adjacent to accessible paths	2 granite slab benches & 1 wooden park bench on grass - no paths
		Access to Open Spaces	
		Back and Arm Rests	Wood bench has back
		Adequate number	
	Grills	Height of Cooking Surface	
		Located adjacent to accessible paths	None
	Trash Cans	Located adjacent to accessible paths	None
	Picnic Shelters	Located adjacent to accessible paths	
		Located near accessible water fountains, trash can, restroom, parking, etc.	None
Trails		Surface material	Grass area
		Dimensions	
		Rails	
		Signage (for visually impaired)	No
Swimming Facilities	Pools	Entrance	None
		Location from accessible parking	
		Safety features i.e., warning for visually impaired	
	Beaches	Location from accessible path into water	None
		Handrails	
		Location from accessible parking	
		Shade provided	
Play Areas (tot lots)	All Play Equipment i.e. swings, slides	Same experience provided to all	None
	Access Routes	Located adjacent to accessible paths	
		Enough space between equipment for wheelchair	

Facility Inventory	LOCATION:	Quaker's Corner Green	STREET ADDRESS:
JURISDICTION & MANAGEMENT:		Conservation Commission	1 J B Little Road
Site Description (from Open Space & Recreation Plan): Passive Recreation			
ACTIVITY	EQUIPMENT	NOTES	*Comments/Transition Notes*
Game Areas: *ballfield *basketball *tennis	Access Routes	Located adjacent to accessible paths	None
		Berm cuts onto courts	
	Equipment	Height	None
		Dimensions	
		Spectator Seating	
Boat Docks	Access Routes	Located adjacent to accessible paths	None
		Handrails	
Fishing Facilities	Access Routes	Located adjacent to accessible paths	None
		Handrails	
	Equipment	Arm rests	None
		Bait shelves	
		Handrails	
		Fish Cleaning Tables	
Programming	Are special programs at your facilities accessible?	Learn-to-Swim	
		Guided Hikes	No
		Interpretive Programs	No
Services and Technical Assistance	Information available in alternative formats i.e., for visually impaired		No
	Process to request interpretive services (i.e. sign language interpreter) for meetings		
Notes:			

LOCATION:	Quaker's Corner Green		
PARKING Parking on J B Little Road			
Total Spaces		*Required Accessible Spaces*	
Up to 25		1 space - no accessible spaces or signage	
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	
Specifications for Accessible Spaces	*Yes*	*No*	*Comments/Transition Notes*
Accessible space located closest to accessible entrance		X	
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.	X		
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle			N/A
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.		X	
Sign with international symbol of accessibility at each space or pair of spaces		X	
Sign minimum 5 ft, maximum 8 ft to top of sign			N/A
Surface evenly paved or hard-packed (no cracks)	X		
Surface slope less than 1:20 (5%)	X		
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			Site is surrounded by stone wall except for entrance on J B Little Road
RAMPS			None
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 (4 ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction			
Notes:			Add accessible space/signage if site improved

LOCATION:	Quaker's Corner Green		
SITE ACCESS, PATH OF TRAVEL, ENTRANCES			
Specification	*Yes*	*No*	*Comments/Transition Notes*
Accessible path of travel from passenger disembarking area and parking area to accessible entrance		X	Add accessible path
Disembarking area at accessible entrance	X		
Surface evenly paved or hard-packed		X	
No ponding of water		X	
Path of Travel			
Path does not require the use of stairs	X		
Path is stable, firm and slip resistant		X	grass
3 ft wide minimum	X		
Slope Maximum 1:20 (5%) and maximum cross pitch is 2% (1:50)	X		
Continuous common surface, no changes in level greater than 1/2 inch		X	
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane	X		
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"			N/A
Curb on the pathway must have curb cuts at drives, parking and drop-offs			No curbs
Entrances			None
Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and not be the service entrance			
Level space extending 5 ft. from the door, interior and exterior of entrance doors			
Minimum 32" clear width opening (i.e., 36" door with standard hinge)			
At least 18" clear floor area on latch, pull side of door			
Door handle no higher than 48" and operable with a closed fist			
Vestibule is 4 ft plus the width of the door swinging into the space			
Entrance(s) on a level that makes elevators accessible			
Door mats less than 1/2 " thick are securely fastened			
Door mats more than 1/2" thick are recessed			
Grates in path of travel have openings of 1/2" maximum			
Signs at non-accessible entrance(s) indicate direction at accessible entrance			
Emergency egress - alarms with flashing lights and audible signals, sufficiently lighted			
Notes:			

LOCATION:	Quaker's Corner Green		
STAIRS and DOORS			None
Specification	*Yes*	*No*	*Comments/Transition Notes*
Stairs			
No open risers			
Nosings not projecting			
Treads no less than 11" wide			
Handrails on both sides			
Handrails 34" -38" above tread			
Handrail extends a minimum of 1 ft beyond top and bottom riser (if no safety hazard and space permits)			
Handgrip oval or round			
Handgrip has a smooth surface			
Handgrip diameter between 1 1/4" and 1 1/2"			
1 1/2" clearance between wall and handrail			
Doors			
Minimum 32" clear opening			
At least 18" clear floor space on pull side of door			
Closing speed minimum 3 seconds to within 3" of the latch			
Maximum pressure 5 pounds interior doors			
Threshold maximum 1/2" high, beveled on both sides			
Hardware operable with a closed fist (no conventional door knobs or thumb latch devices)			
Hardware minimum 36", maximum 48" above the floor			
Clear, level floor space extends out 5 ft from both sides of the door			
Door adjacent to revolving door is accessible and unlocked			
Doors opening into hazardous area have hardware that is knurled or roughened			
Notes:			

LOCATION:	Quaker's Corner Green		
RESTROOMS - also see Doors and Vestibules	None		
Specification	*Yes*	*No*	*Comments/Transition Notes*
5 ft turning space measured 12" from the floor			
At least one Sink:			
Clear floor space of 30" by 48" to allow a forward approach			
Mounted without pedestal or legs, height 34" to top of rim			
Extends at least 22" from the wall			
Open knee space a minimum 19" deep, 30" width, and 27" high			
Cover exposed pipes with insulation			
Faucets operable with closed fist (lever or spring activated handle)			
At least one Stall:			
Accessible to person using wheelchair at 60" wide by 72" deep			
Stall door is 36" wide			
Stall door swings out			
Stall door is self-closing			
Stall door has a pull latch			
Lock on stall door is operable with a closed fist, and 32" above the floor			
Coat hook is 54" high			
Toilet			
18" from center to nearest side wall			
42" minimum clear space from center to farthest wall or fixture			
Top of seat 17"-19" above the floor			
Grab Bars			
On back and side wall closest to toilet			
1 1/4" diameter			
1 1/2" clearance to wall			
Located 30" above and parallel to the floor			
Acid-etched or roughened surface			
42" long			
Fixtures			
Toilet paper dispenser is 24" above floor			
One mirror set a maximum 38" to bottom (if tilted, 42")			
Dispensers (towel, soap, etc.) at least one of each a maximum 42" above the floor			
NOTES			

LOCATION:	Quaker's Corner Green		
FLOORS, DRINKING FOUNTAINS, TELEPHONES	None		
Specification	*Yes*	*No*	*Comments/Transition Notes*
Floors			
Non-slip surface			
Carpeting is high-density, low-pile, non-absorbent, stretched taut, securely anchored			
Corridor width minimum is 3 ft			
Objects (signs, ceiling lights, fixtures) can only protrude 4" into the path of travel from a height of 27" to 80" above the floor			
Drinking Fountains			
Spouts no higher than 36" from floor to outlet			
Hand operated push button or level controls			
Spouts located near front with stream of water as parallel to front as possible			
If recessed, recess a minimum 30" width, and no deeper than depth of fountain			
If no clear knee space underneath, clear floor space 30" x 48" to allow parallel approach			
Telephones			
Highest operating part a maximum 54" above the floor			
Access within 12" of phone, 30" high by 30" wide			
Adjustable volume control on headset so identified			
SIGNS, SIGNALS, AND SWITCHES			
Specification	*Yes*	*No*	*Comments/Transition Notes*
Switches, Controls and Signs			
Switches and controls for light, heat, ventilation, windows, fire alarms, thermostats, etc., must be a minimum of 36" and a maximum of 48" above the floor for a forward reach, a maximum of 54" for a side reach			
Electrical outlets centered no lower than 18" above the floor			
Warning signals must be visual as well as audible			
Signs			
Mounting height must be 60" to centerline of the sign			
Within 18" of door jamb or recessed			
Letters and number at least 1 1/4" high			
Letters and numbers raised .03"			
Letters and numbers contrast with the background color			
NOTES			

LOCATION:	Quaker's Corner Green		
SWIMMING POOLS - accessibility can be via ramp, lifting device, or transfer area - None			
Specification	*Yes*	*No*	*Comments/Transition Notes*
Ramp at least 34" wide with a non-slip surface extending into the shallow end, slope not exceeding 1:6 with handrails on both sides			
Lifting device			
Transfer area 18" above the path of travel and a minimum of 18" wide			
Unobstructed path of travel not less than 48" wide around pool			
Non-slip surface			
SHOWER ROOMS - Showers must accommodate both wheel-in and transfer use - None			
Specification	*Yes*	*No*	*Comments/Transition Notes*
Stalls 36" by 60" minimum, with a 36" door opening			
Floors are pitched to drain the stall at the corner farthest from entrance			
Floors are non-slip surface			
Controls operate by a single lever with a pressure balance mixing valve			
Controls are located on the center wall adjacent to the hinged seat			
Shower heads attached to a flexible metal hose			
Shower heads attached to wall mounting adjustable from 42" to 72" above the floor			
Seat is hinged and padded and at least 16" deep, folds upward, securely attached to side wall, height is 18" to the top of the seat, and at least 24" long			
Soap trays without handhold features unless they can support 250 pounds			
2 grab bars are provided, one 30" and one 48" long, or one continuous L shaped bar			
Grab bars are placed horizontally at 36" above the floor line			
PICNICKING			No
Specification	*Yes*	*No*	*Comments/Transition Notes*
space under the table top not less than 30" wide and 19" deep per seating space and not less than 27" clear from the ground to the underside of the table. An additional 29" clear space (totaling 48") must extend beyond the 19" clear space under the table to provide access			
For tables without toe clearance, the knee space under the table must be at least 28" high, 30" wide and 24" deep.			
Top of table no higher than 32" above ground			
Surface of the clear ground space under and around the table must be stable, firm and slip-resistant, and evenly graded with a maximum slope of 2% in all directions			
Accessible tables, grills, and fire rings must have clear ground space of at least 36" around the perimeter			
NOTES			

Date:	08/01/19	Location: Quaker's Corner Green		Schedule of Changes		
				(pending appropriate levels of funding)		
		Physical Barriers	Necessary Changes	Changes to be implemented by the end of FY...	Yearly schedule of Changes (if the Transition Plan is more than 1 year long)	Responsible Person
1.0	Activities & Equipment:					
2.0	Parking/Ramps:	No accessible parking	Add space/signage	2021		ADA Coord
2.1						
2.2						
2.3						
3.0	Site Access, Path of Travel, Entrances:					
3.1	Entrance:	No accessible path	Add accessible path		Identify Funding	ADA Coord
4.0	Stairs & Doors:					
5.0	Restrooms:					
6.0	Floors, Drinking Fountains, Telephones, Signs, Switches, & Signals:					
7.0	Swimming Pools & Picnicking:					

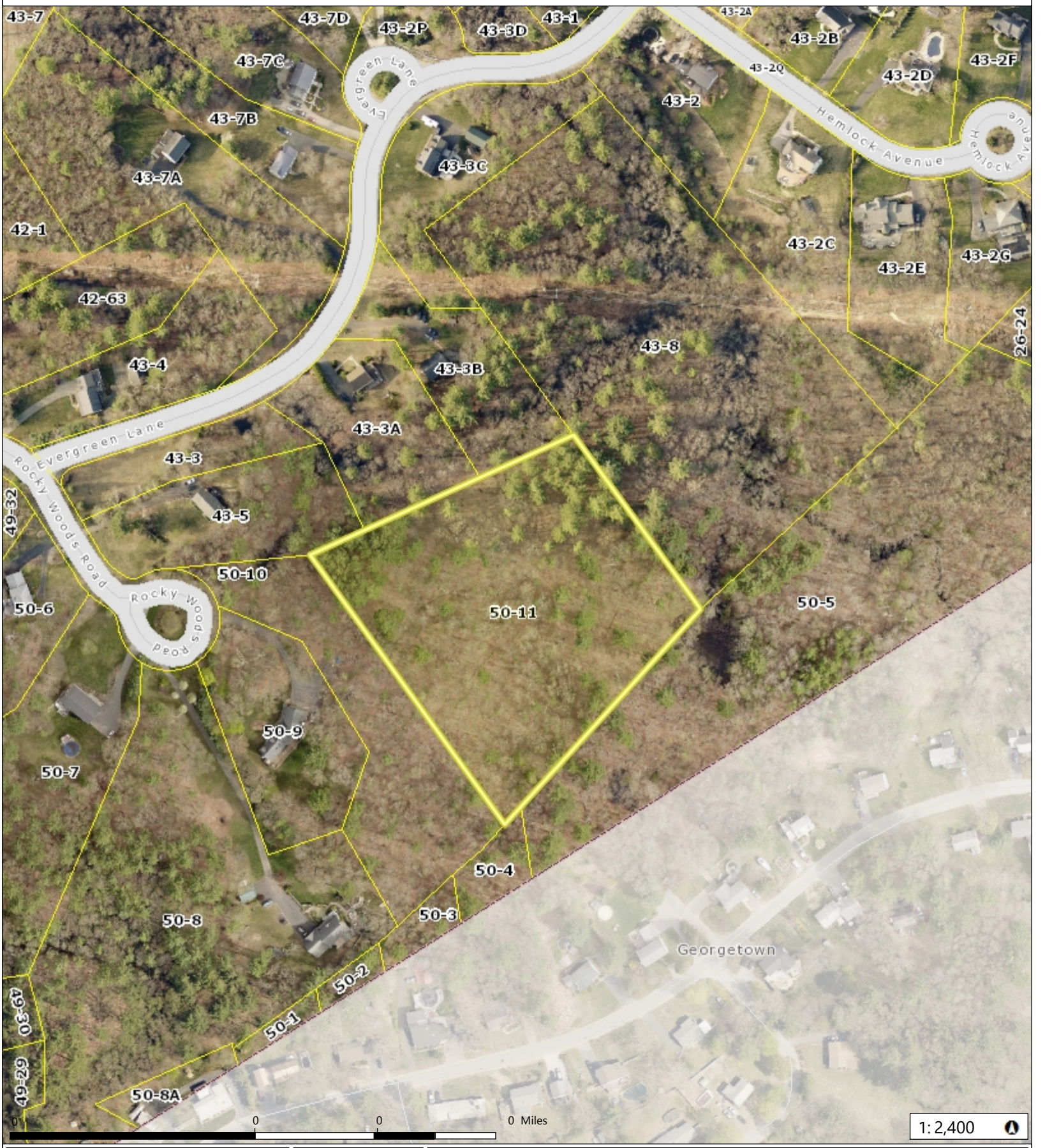
Facility Inventory	LOCATION:	Rocky Woods Conservation Area	STREET ADDRESS:
JURISDICTION & MANAGEMENT:		DPW/Forestry and Parks Division	Rocky Woods Road - No access (see map)
Site Description (from Open Space & Recreation Plan): Wetlands, Steep Slopes, Wildlife Habitat, Passive Recreation			
ACTIVITY	EQUIPMENT	NOTES	*Comments/Transition Notes*
Picnic Facilities	Tables & Benches	Located adjacent to accessible paths	None
		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		Surface material	
		Dimensions	
		Rails	
		Signage (for visually impaired)	
Swimming Facilities	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	Same experience provided to all	
	Access Routes	Located adjacent to accessible paths	
		Enough space between equipment for wheelchair	

Facility Inventory	LOCATION:	Rocky Woods Conservation Area	STREET ADDRESS:
JURISDICTION & MANAGEMENT:		DPW/Forestry and Parks Division	Rocky Woods Road - No access (see map)
Site Description (from Open Space & Recreation Plan): Wetlands, Steep Slopes, Wildlife Habitat, Passive Recreation			
ACTIVITY	EQUIPMENT	NOTES	*Comments/Transition Notes*
Game Areas: *ballfield *basketball *tennis	Access Routes	Located adjacent to accessible paths	
		Berm cuts onto courts	
	Equipment	Height	
		Dimensions	
		Spectator Seating	
Boat Docks	Access Routes	Located adjacent to accessible paths	
		Handrails	
Fishing Facilities	Access Routes	Located adjacent to accessible paths	
		Handrails	
	Equipment	Arm rests	
		Bait shelves	
		Handrails	
		Fish Cleaning Tables	
Programming	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		
Notes: No access			

Date:	08/01/19	Location: Rocky Woods Conservation Area - No Public Access		Schedule of Changes		
				(pending appropriate levels of funding)		
		Physical Barriers	Necessary Changes	Changes to be implemented by the end of FY...	Yearly schedule of Changes (if the Transition Plan is more than 1 year long)	Responsible Person
1.0	Activities & Equipment:					
2.0	Parking/Ramps:	No parking or access to public				
2.1						
2.2						
2.3						
3.0	Site Access, Path of Travel, Entrances:					
3.1	Entrance:					
4.0	Stairs & Doors:					
5.0	Restrooms:					
6.0	Floors, Drinking Fountains, Telephones, Signs, Switches, & Signals:					
7.0	Swimming Pools & Picnicking:					

Town of Groveland- Rocky Woods Conservation Area

08/01/2019



Data Sources: Produced by Merrimack Valley Planning Commission (MVPC) using data provided by the Town of Groveland & MassIT/MassGIS.

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Legend

MVPC Boundary
Parcels (on aerials)
Road Right of Way
Interstate
Major Road
Local Road

Projection: NAD_1983_StatePlane_Massachusetts_Mainland_FIPS_2001

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Facility Inventory	LOCATION:	Salem Street Conservation Area	STREET ADDRESS:
JURISDICTION & MANAGEMENT:		Conservation Commission	912 Salem Street
Site Description (from Open Space & Recreation Plan): Wetlands, Wildlife Habitat, Passive Recreation			
ACTIVITY	EQUIPMENT	NOTES	*Comments/Transition Notes*
Picnic Facilities	Tables & Benches	Located adjacent to accessible paths	None
		Access to Open Spaces	
		Back and Arm Rests	
		Adequate number	
	Grills	Height of Cooking Surface	None
		Located adjacent to accessible paths	
	Trash Cans	Located adjacent to accessible paths	None
	Picnic Shelters	Located adjacent to accessible paths	None
		Located near accessible water fountains, trash can, restroom, parking, etc.	
Trails		Surface material	None
		Dimensions	
		Rails	
		Signage (for visually impaired)	
Swimming Facilities	Pools	Entrance	None
		Location from accessible parking	
		Safety features i.e., warning for visually impaired	
	Beaches	Location from accessible path into water	None
		Handrails	
		Location from accessible parking	
		Shade provided	
Play Areas (tot lots)	All Play Equipment i.e. swings, slides	Same experience provided to all	None
	Access Routes	Located adjacent to accessible paths	
		Enough space between equipment for wheelchair	

Facility Inventory	LOCATION:	Salem Street Conservation Area	STREET ADDRESS:
JURISDICTION & MANAGEMENT:		Conservation Commission	912 Salem Street
Site Description (from Open Space & Recreation Plan): Wetlands, Wildlife Habitat, Passive Recreation			
ACTIVITY	EQUIPMENT	NOTES	*Comments/Transition Notes*
Game Areas: *ballfield *basketball *tennis	Access Routes	Located adjacent to accessible paths	None
		Berm cuts onto courts	
	Equipment	Height	None
		Dimensions	
		Spectator Seating	
Boat Docks	Access Routes	Located adjacent to accessible paths	None
		Handrails	
Fishing Facilities	Access Routes	Located adjacent to accessible paths	None
		Handrails	
	Equipment	Arm rests	None
		Bait shelves	
		Handrails	
		Fish Cleaning Tables	
Programming	Are special programs at your facilities accessible?	Learn-to-Swim	No
		Guided Hikes	
		Interpretive Programs	No
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		
Notes:			

LOCATION:	Salem Street Conservation Area		
PARKING - Side of road possible - state highway shoulder with guardrail			
Total Spaces		*Required Accessible Spaces - No parking provided*	
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	
Specifications 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.		X	State highway - breakdown lane with adjacent guardrail
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			
RAMPS			None
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 (4 ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction			
Notes:			

Date:	08/01/19	Location: Salem Street Conservation Land		Schedule of Changes		
	No site access			(pending appropriate levels of funding)		
		Physical Barriers	Necessary Changes	Changes to be implemented by the end of FY...	Yearly schedule of Changes (if the Transition Plan is more than 1 year long)	Responsible Person
1.0	Activities & Equipment:					
2.0	Parking/Ramps:	None provided state highway shoulder				
2.1						
2.2						
2.3						
3.0	Site Access, Path of Travel, Entrances:					
3.1	Entrance:					
4.0	Stairs & Doors:					
5.0	Restrooms:					
6.0	Floors, Drinking Fountains, Telephones, Signs, Switches, & Signals:					
7.0	Swimming Pools & Picnicking:					

Town of Groveland - Salem Street Conservation Area (No Access)

08/13/2019



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Legend

MVPC Boundary | Parcels (on aerials) | Interstate | Major Road | Local Road

Projection: NAD_1983_StatePlane_Massachusetts_Mainland_FIPS_2001

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Facility Inventory	LOCATION:	Seven Star Road Conservation Area	STREET ADDRESS:
JURISDICTION & MANAGEMENT:		Conservation Commission	Seven Star Road/Center Street - 2 parcels
Site Description (from Open Space & Recreation Plan): Wetlands, wildlife habitat, passive recreation			
ACTIVITY	EQUIPMENT	NOTES	*Comments/Transition Notes*
Picnic Facilities	Tables & Benches	Located adjacent to accessible paths	None
		Access to Open Spaces	
		Back and Arm Rests	
		Adequate number	
	Grills	Height of Cooking Surface	None
		Located adjacent to accessible paths	
	Trash Cans	Located adjacent to accessible paths	None
	Picnic Shelters	Located adjacent to accessible paths	None
		Located near accessible water fountains, trash can, restroom, parking, etc.	
Trails		Surface material	None
		Dimensions	
		Rails	
		Signage (for visually impaired)	
Swimming Facilities	Pools	Entrance	None
		Location from accessible parking	
		Safety features i.e., warning for visually impaired	
	Beaches	Location from accessible path into water	None
		Handrails	
		Location from accessible parking	
		Shade provided	
Play Areas (tot lots)	All Play Equipment i.e. swings, slides	Same experience provided to all	None
	Access Routes	Located adjacent to accessible paths	
		Enough space between equipment for wheelchair	

Facility Inventory	LOCATION:	Seven Star Road Conservation Area	STREET ADDRESS:
JURISDICTION & MANAGEMENT:		Conservation Commission	Seven Star Road/Center Street - 2 parcels
Site Description (from Open Space & Recreation Plan): Wetlands, wildlife habitat, passive recreation			
ACTIVITY	EQUIPMENT	NOTES	*Comments/Transition Notes*
Game Areas: *ballfield *basketball *tennis	Access Routes	Located adjacent to accessible paths	None
		Berm cuts onto courts	
	Equipment	Height	None
		Dimensions	
		Spectator Seating	
Boat Docks	Access Routes	Located adjacent to accessible paths	None
		Handrails	
Fishing Facilities	Access Routes	Located adjacent to accessible paths	None
		Handrails	
	Equipment	Arm rests	None
		Bait shelves	
		Handrails	
		Fish Cleaning Tables	
Programming	Are special programs at your facilities accessible?	Learn-to-Swim	
		Guided Hikes	
		Interpretive Programs	None
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		None
Notes:			

LOCATION:	Seven Star Road Conservation Area		
PARKING - Parking on Shoulder - packed gravel area			
Total Spaces	***Required Accessible Spaces***		
Up to 25	1 space - No designated accessible 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		
Specifications 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		X	
Sign minimum 5 ft, maximum 8 ft to top of sign			
Surface evenly paved or hard-packed (no cracks)	X		
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			
RAMPS			None
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 (4 ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction			
Notes:			

LOCATION:	**Seven Star Road Conservation Area**		
SITE ACCESS, PATH OF TRAVEL, ENTRANCES			None
Specification	***Yes***	***No***	***Comments/Transition Notes***
Accessible path of travel from passenger disembarking area and parking area to accessible entrance			
Disembarking area at accessible entrance			
Surface evenly paved or hard-packed			
No ponding of water			
Path of Travel			None
Path does not require the use of stairs			
Path is stable, firm and slip resistant			
3 ft wide minimum			
Slope Maximum 1:20 (5%) and maximum cross pitch is 2% (1:50)			
Continuous common surface, no changes in level greater than 1/2 inch			
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane			
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"			
Curb on the pathway must have curb cuts at drives, parking and drop-offs			
Entrances			None
Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and not be the service entrance			
Level space extending 5 ft. from the door, interior and exterior of entrance doors			
Minimum 32" clear width opening (i.e., 36" door with standard hinge)			
At least 18" clear floor area on latch, pull side of door			
Door handle no higher than 48" and operable with a closed fist			
Vestibule is 4 ft plus the width of the door swinging into the space			
Entrance(s) on a level that makes elevators accessible			
Door mats less than 1/2 " thick are securely fastened			
Door mats more than 1/2" thick are recessed			
Grates in path of travel have openings of 1/2" maximum			
Signs at non-accessible entrance(s) indicate direction at accessible entrance			
Emergency egress - alarms with flashing lights and audible signals, sufficiently lighted			
Notes:			

Date:	07/01/19	Location: Seven Star Road Conservation Area		Schedule of Changes		
				(pending appropriate levels of funding)		
		Physical Barriers	Necessary Changes	Changes to be implemented by the end of FY...	Yearly schedule of Changes (if the Transition Plan is more than 1 year long)	Responsible Person
1.0	Activities & Equipment:					
2.0	Parking/Ramps:	No accesible space or signage	Add accessible space/signage		Identify Funding	ADA Coord
2.1						
2.2						
2.3						
3.0	Site Access, Path of Travel, Entrances: No access					
3.1	Entrance:					
4.0	Stairs & Doors:					
5.0	Restrooms:					
6.0	Floors, Drinking Fountains, Telephones, Signs, Switches, & Signals:					
7.0	Swimming Pools & Picnicking:					

Facility Inventory	LOCATION:	Shanahan Fields	STREET ADDRESS:
JURISDICTION & MANAGEMENT:		Town of Groveland	423 Main Street
Site Description (from Open Space & Recreation Plan): Active recreation park			
ACTIVITY	EQUIPMENT	NOTES	*Comments/Transition Notes*
Picnic Facilities	Tables & Benches	Located adjacent to accessible paths	None
		Access to Open Spaces	
		Back and Arm Rests	
		Adequate number	
	Grills	Height of Cooking Surface	None
		Located adjacent to accessible paths	
	Trash Cans	Located adjacent to accessible paths	2 trash cans - not in accessible location
	Picnic Shelters	Located adjacent to accessible paths	None
		Located near accessible water fountains, trash can, restroom, parking, etc.	
Trails	None	Surface material	None
		Dimensions	
		Rails	
		Signage (for visually impaired)	
Swimming Facilities	Pools	Entrance	None
		Location from accessible parking	
		Safety features i.e., warning for visually impaired	
	Beaches	Location from accessible path into water	None
		Handrails	
		Location from accessible parking	
		Shade provided	
Play Areas (tot lots)	All Play Equipment i.e. swings, slides	Same experience provided to all	None
	Access Routes	Located adjacent to accessible paths	
		Enough space between equipment for wheelchair	

Facility Inventory	LOCATION:	Shanahan Fields	STREET ADDRESS:
JURISDICTION & MANAGEMENT:		Town of Groveland	423 Main Street
Site Description (from Open Space & Recreation Plan): Active recreation park			
ACTIVITY	EQUIPMENT	NOTES	*Comments/Transition Notes*
Game Areas: *ballfield *basketball *tennis	Access Routes	Located adjacent to accessible paths	No
		Berm cuts onto courts	No Courts
	Equipment - 2 sets of soccer nets	Height	
		Dimensions	
		Spectator Seating	Yes - 3 sets of metal bleachers
Boat Docks	Access Routes	Located adjacent to accessible paths	None
		Handrails	
Fishing Facilities	Access Routes	Located adjacent to accessible paths	None
		Handrails	
	Equipment	Arm rests	
		Bait shelves	
		Handrails	
		Fish Cleaning Tables	
Programming	Are special programs at your facilities accessible?	Learn-to-Swim	No
		Guided Hikes	No
		Interpretive Programs	No
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		
Notes:			

LOCATION:	Shanahan Fields		
PARKING - parking is off street circular drive - no signage or accessible spaces			
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		
Specifications 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.		X	
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle		X	
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.		X	
Sign with international symbol of accessibility at each space or pair of spaces		X	
Sign minimum 5 ft, maximum 8 ft to top of sign		X	
Surface evenly paved or hard-packed (no cracks)		X	Pavement in poor condition
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)		X	
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		N/A	
RAMPS			None
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 (4 ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction			
Notes:			Add accessible space with signage and access path

LOCATION:	Shanahan Fields		
SITE ACCESS, PATH OF TRAVEL, ENTRANCES			
Specification	*Yes*	*No*	*Comments/Transition Notes*
Accessible path of travel from passenger disembarking area and parking area to accessible entrance		X	Pavement in poor condition where it meets the field
Disembarking area at accessible entrance		X	
Surface evenly paved or hard-packed		X	
No ponding of water	X		
Path of Travel			
Path does not require the use of stairs	X		
Path is stable, firm and slip resistant		X	
3 ft wide minimum			N/A
Slope Maximum 1:20 (5%) and maximum cross pitch is 2% (1:50)	X		
Continuous common surface, no changes in level greater than 1/2 inch		X	
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane		X	
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"			N/A
Curb on the pathway must have curb cuts at drives, parking and drop-offs		X	
Entrances			None
Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and not be the service entrance			
Level space extending 5 ft. from the door, interior and exterior of entrance doors			
Minimum 32" clear width opening (i.e., 36" door with standard hinge)			
At least 18" clear floor area on latch, pull side of door			
Door handle no higher than 48" and operable with a closed fist			
Vestibule is 4 ft plus the width of the door swinging into the space			
Entrance(s) on a level that makes elevators accessible			
Door mats less than 1/2 " thick are securely fastened			
Door mats more than 1/2" thick are recessed			
Grates in path of travel have openings of 1/2" maximum			
Signs at non-accessible entrance(s) indicate direction at accessible entrance			
Emergency egress - alarms with flashing lights and audible signals, sufficiently lighted			
Notes:			Add accessible path to field

LOCATION:	Shanahan Fields		
STAIRS and DOORS			None
Specification	*Yes*	*No*	*Comments/Transition Notes*
Stairs			
No open risers			
Nosings not projecting			
Treads no less than 11" wide			
Handrails on both sides			
Handrails 34" -38" above tread			
Handrail extends a minimum of 1 ft beyond top and bottom riser (if no safety hazard and space permits)			
Handgrip oval or round			
Handgrip has a smooth surface			
Handgrip diameter between 1 1/4" and 1 1/2"			
1 1/2" clearance between wall and handrail			
Doors			None
Minimum 32" clear opening			
At least 18" clear floor space on pull side of door			
Closing speed minimum 3 seconds to within 3" of the latch			
Maximum pressure 5 pounds interior doors			
Threshold maximum 1/2" high, beveled on both sides			
Hardware operable with a closed fist (no conventional door knobs or thumb latch devices)			
Hardware minimum 36", maximum 48" above the floor			
Clear, level floor space extends out 5 ft from both sides of the door			
Door adjacent to revolving door is accessible and unlocked			
Doors opening into hazardous area have hardware that is knurled or roughened			
Notes:			

LOCATION:	Shanahan Fields		
RESTROOMS - also see Doors and Vestibules			None
Specification	*Yes*	*No*	*Comments/Transition Notes*
5 ft turning space measured 12" from the floor			
At least one Sink:			***None***
Clear floor space of 30" by 48" to allow a forward approach			
Mounted without pedestal or legs, height 34" to top of rim			
Extends at least 22" from the wall			
Open knee space a minimum 19" deep, 30" width, and 27" high			
Cover exposed pipes with insulation			
Faucets operable with closed fist (lever or spring activated handle)			None
At least one Stall:			
Accessible to person using wheelchair at 60" wide by 72" deep			
Stall door is 36" wide			
Stall door swings out			
Stall door is self-closing			
Stall door has a pull latch			
Lock on stall door is operable with a closed fist, and 32" above the floor			
Coat hook is 54" high			
Toilet			None
18" from center to nearest side wall			
42" minimum clear space from center to farthest wall or fixture			
Top of seat 17"-19" above the floor			
Grab Bars			None
On back and side wall closest to toilet			
1 1/4" diameter			
1 1/2" clearance to wall			
Located 30" above and parallel to the floor			
Acid-etched or roughened surface			
42" long			
Fixtures			None
Toilet paper dispenser is 24" above floor			
One mirror set a maximum 38" to bottom (if tilted, 42")			
Dispensers (towel, soap, etc.) at least one of each a maximum 42" above the floor			
NOTES			

LOCATION:	Shanahan Fields		
FLOORS, DRINKING FOUNTAINS, TELEPHONES			None
Specification	*Yes*	*No*	*Comments/Transition Notes*
Floors			
Non-slip surface			
Carpeting is high-density, low-pile, non-absorbent, stretched taut, securely anchored			
Corridor width minimum is 3 ft			
Objects (signs, ceiling lights, fixtures) can only protrude 4" into the path of travel from a height of 27" to 80" above the floor			
Drinking Fountains			None
Spouts no higher than 36" from floor to outlet			
Hand operated push button or level controls			
Spouts located near front with stream of water as parallel to front as possible			
If recessed, recess a minimum 30" width, and no deeper than depth of fountain			
If no clear knee space underneath, clear floor space 30" x 48" to allow parallel approach			
Telephones			None
Highest operating part a maximum 54" above the floor			
Access within 12" of phone, 30" high by 30" wide			
Adjustable volume control on headset so identified			
SIGNS, SIGNALS, AND SWITCHES			
Specification	***Yes***	***No***	***Comments/Transition Notes***
Switches, Controls and Signs			***None***
Switches and controls for light, heat, ventilation, windows, fire alarms, thermostats, etc., must be a minimum of 36" and a maximum of 48" above the floor for a forward reach, a maximum of 54" for a side reach			
Electrical outlets centered no lower than 18" above the floor			
Warning signals must be visual as well as audible			
Signs			None
Mounting height must be 60" to centerline of the sign			
Within 18" of door jamb or recessed			
Letters and number at least 1 1/4" high			
Letters and numbers raised .03"			
Letters and numbers contrast with the background color			
NOTES			

LOCATION:	Shanahan Fields		
SWIMMING POOLS - accessibility can be via ramp, lifting device, or transfer area - None			
Specification	***Yes***	***No***	***Comments/Transition Notes***
Ramp at least 34" wide with a non-slip surface extending into the shallow end, slope not exceeding 1:6 with handrails on both sides			
Lifting device			
Transfer area 18" above the path of travel and a minimum of 18" wide			
Unobstructed path of travel not less than 48" wide around pool			
Non-slip surface			
SHOWER ROOMS - Showers must accommodate both wheel-in and transfer use - None			
Specification	***Yes***	***No***	***Comments/Transition Notes***
Stalls 36" by 60" minimum, with a 36" door opening			
Floors are pitched to drain the stall at the corner farthest from entrance			
Floors are non-slip surface			
Controls operate by a single lever with a pressure balance mixing valve			
Controls are located on the center wall adjacent to the hinged seat			
Shower heads attached to a flexible metal hose			
Shower heads attached to wall mounting adjustable from 42" to 72" above the floor			
Seat is hinged and padded and at least 16" deep, folds upward, securely attached to side wall, height is 18" to the top of the seat, and at least 24" long			
Soap trays without handhold features unless they can support 250 pounds			
2 grab bars are provided, one 30" and one 48" long, or one continuous L shaped bar			
Grab bars are placed horizontally at 36" above the floor line			
PICNICKING			No
Specification	***Yes***	***No***	***Comments/Transition Notes***
space under the table top not less than 30" wide and 19" deep per seating space and not less than 27" clear from the ground to the underside of the table. An additional 29" clear space (totaling 48") must extend beyond the 19" clear space under the table to provide access			
For tables without toe clearance, the knee space under the table must be at least 28" high, 30" wide and 24" deep.			
Top of table no higher than 32" above ground			
Surface of the clear ground space under and around the table must be stable, firm and slip-resistant, and evenly graded with a maximum slope of 2% in all directions			
Accessible tables, grills, and fire rings must have clear ground space of at least 36" around the perimeter			
NOTES			

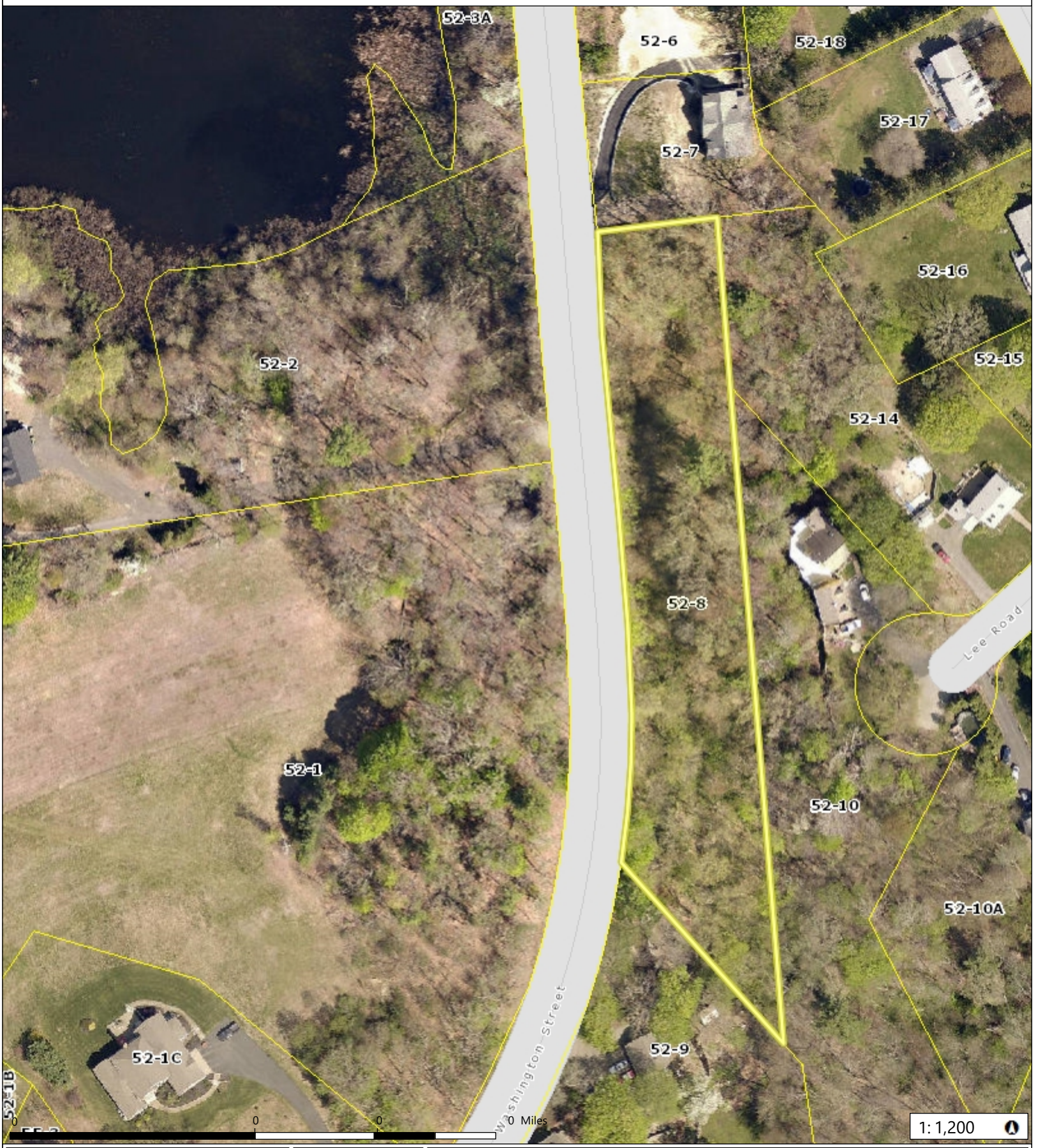
Date:	08/01/19	Shanahan Fields		Schedule of Changes		
				(pending appropriate levels of funding)		
		Physical Barriers	Necessary Changes	Changes to be implemented by the end of FY...	Yearly schedule of Changes (if the Transition Plan is more than 1 year long)	Responsible Person
1.0	Activities & Equipment:	No access to fields	Add accessible drop off area and path		Identify Funding	ADA Coord
2.0	Parking/Ramps:	No accessible spaces	Add accessible space/signage		Identify Funding	ADA Coord
2.1		Pavement uneven & broken	Repave access drive/parking		Identify Funding	ADA Coord
2.2						
2.3						
3.0	Site Access, Path of Travel, Entrances:					
3.1	Entrance:					
4.0	Stairs & Doors:					
5.0	Restrooms:					
6.0	Floors, Drinking Fountains, Telephones, Signs, Switches, & Signals:					
7.0	Swimming Pools & Picnicking:					

LOCATION:	Spofford Pond Conservation Area		
PARKING - No Site Access - wetlands off side of road			
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		
Specifications for Accessible Spaces	*Yes*	*No*	*Comments/Transition Notes*
Accessible space located closest to accessible entrance			None
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			
RAMPS			
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 (4 ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction			
Notes:			

Date:	08/01/19	Location: Spofford Pond Conservation Area - No Public Access		Schedule of Changes (pending appropriate levels of funding)		
		Physical Barriers	Necessary Changes	Changes to be implemented by the end of FY...	Yearly schedule of Changes (if the Transition Plan is more than 1 year long)	Responsible Person
1.0	Activities & Equipment:					
2.0	Parking/Ramps:					
2.1						
2.2						
2.3						
3.0	Site Access, Path of Travel, Entrances:					
3.1	Entrance:					
4.0	Stairs & Doors:					
5.0	Restrooms:					
6.0	Floors, Drinking Fountains, Telephones, Signs, Switches, & Signals:					
7.0	Swimming Pools & Picnicking:					

Town of Groveland- Spofford Pond Conservation Area (Washington Street)

08/01/2019



Data Sources: Produced by Merrimack Valley Planning Commission (MVPC) using data provided by the Town of Groveland & MassIT/MassGIS.

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Legend

MVPC Boundary
Parcels (on aerials)
Interstate
Major Road
Local Road
Road Right of Way

Projection: NAD_1983_StatePlane_Massachusetts_Mainland_FIPS_2001

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Facility Inventory	LOCATION:	Town Forest Greenway	STREET ADDRESS:
JURISDICTION & MANAGEMENT:		Conservation Commission	Wood Street
Site Description (from Open Space & Recreation Plan): Wetlands, Banks to Open Water, Wildlife Habitat, Steep Slopes, Larger Natural Habitat			
ACTIVITY	EQUIPMENT	NOTES	*Comments/Transition Notes*
Picnic Facilities	Tables & Benches	Located adjacent to accessible paths	None
		Access to Open Spaces	
		Back and Arm Rests	
		Adequate number	
	Grills	Height of Cooking Surface	None
		Located adjacent to accessible paths	
	Trash Cans	Located adjacent to accessible paths	
	Picnic Shelters	Located adjacent to accessible paths	None
		Located near accessible water fountains, trash can, restroom, parking, etc.	
Trails	Not accessible	Surface material	Packed soil
		Dimensions	not accessible
		Rails	None
		Signage (for visually impaired)	None
Swimming Facilities	Pools	Entrance	None
		Location from accessible parking	
		Safety features i.e., warning for visually impaired	
	Beaches	Location from accessible path into water	None
		Handrails	
		Location from accessible parking	
		Shade provided	
Play Areas (tot lots)	All Play Equipment i.e. swings, slides	Same experience provided to all	None
	Access Routes	Located adjacent to accessible paths	None
		Enough space between equipment for wheelchair	

Facility Inventory	LOCATION:	Town Forest Greenway	STREET ADDRESS:
JURISDICTION & MANAGEMENT:		Conservation Commission	Wood Street
Site Description (from Open Space & Recreation Plan): Wetlands, Banks to Open Water, Wildlife Habitat, Steep Slopes, Larger Natural Habitat			
ACTIVITY	EQUIPMENT	NOTES	*Comments/Transition Notes*
Game Areas: *ballfield *basketball *tennis	Access Routes	Located adjacent to accessible paths	None
		Berm cuts onto courts	
	Equipment	Height	None
		Dimensions	
		Spectator Seating	
Boat Docks	Access Routes	Located adjacent to accessible paths	None
		Handrails	
Fishing Facilities	Access Routes	Located adjacent to accessible paths	
		Handrails	
	Equipment	Arm rests	None
		Bait shelves	
		Handrails	
		Fish Cleaning Tables	
Programming	Are special programs at your facilities accessible?	Learn-to-Swim	
		Guided Hikes	None
		Interpretive Programs	None
Services and Technical Assistance	Information available in alternative formats i.e., for visually impaired		None
	Process to request interpretive services (i.e. sign language interpreter) for meetings		
Notes			

LOCATION:	Town Forest Greenway		
PARKING paved parking area - no markings - no signage			
Total Spaces		***Required Accessible Spaces***	
Up to 25		1 space - No accessible spaces	
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	
Specifications for Accessible Spaces	***Yes***	***No***	***Comments/Transition Notes***
Accessible space located closest to accessible entrance		X	Add accessible space/signage
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.	X		
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle	X		
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.		X	
Sign with international symbol of accessibility at each space or pair of spaces		N/A	
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			
RAMPS			None
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 (4 ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction			
Notes:			

LOCATION:	Town Forest Greenway		
SITE ACCESS, PATH OF TRAVEL, ENTRANCES	None		
Specification	*Yes*	*No*	*Comments/Transition Notes*
Accessible path of travel from passenger disembarking area and parking area to accessible entrance		X	Road is paved to top of hill (gate closed/locked)
Disembarking area at accessible entrance			
Surface evenly paved or hard-packed			
No ponding of water			
Path of Travel			
Path does not require the use of stairs	X		
Path is stable, firm and slip resistant	X		
3 ft wide minimum	X		
Slope Maximum 1:20 (5%) and maximum cross pitch is 2% (1:50)		X	Steep slope to top of hill
Continuous common surface, no changes in level greater than 1/2 inch	X		
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane	X		
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"			N/A
Curb on the pathway must have curb cuts at drives, parking and drop-offs	X		
Entrances			None
Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and not be the service entrance			
Level space extending 5 ft. from the door, interior and exterior of entrance doors			
Minimum 32" clear width opening (i.e., 36" door with standard hinge)			
At least 18" clear floor area on latch, pull side of door			
Door handle no higher than 48" and operable with a closed fist			
Vestibule is 4 ft plus the width of the door swinging into the space			
Entrance(s) on a level that makes elevators accessible			
Door mats less than 1/2 " thick are securely fastened			
Door mats more than 1/2" thick are recessed			
Grates in path of travel have openings of 1/2" maximum			
Signs at non-accessible entrance(s) indicate direction at accessible entrance			
Emergency egress - alarms with flashing lights and audible signals, sufficiently lighted			
Notes:			

LOCATION:	Town Forest Greenway		
STAIRS and DOORS	None		
Specification	*Yes*	*No*	*Comments/Transition Notes*
Stairs			
No open risers			
Nosings not projecting			
Treads no less than 11" wide			
Handrails on both sides			
Handrails 34" -38" above tread			
Handrail extends a minimum of 1 ft beyond top and bottom riser (if no safety hazard and space permits)			
Handgrip oval or round			
Handgrip has a smooth surface			
Handgrip diameter between 1 1/4" and 1 1/2"			
1 1/2" clearance between wall and handrail			
Doors			None
Minimum 32" clear opening			
At least 18" clear floor space on pull side of door			
Closing speed minimum 3 seconds to within 3" of the latch			
Maximum pressure 5 pounds interior doors			
Threshold maximum 1/2" high, beveled on both sides			
Hardware operable with a closed fist (no conventional door knobs or thumb latch devices)			
Hardware minimum 36", maximum 48" above the floor			
Clear, level floor space extends out 5 ft from both sides of the door			
Door adjacent to revolving door is accessible and unlocked			
Doors opening into hazardous area have hardware that is knurled or roughened			
Notes:			

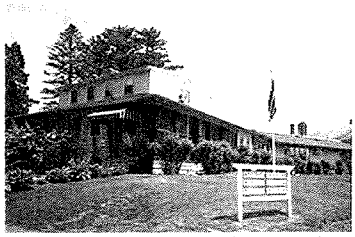
LOCATION:	Town Forest Greenway		
RESTROOMS - also see Doors and Vestibules	None		
Specification	***Yes***	***No***	***Comments/Transition Notes***
5 ft turning space measured 12" from the floor			
At least one Sink:			***None***
Clear floor space of 30" by 48" to allow a forward approach			
Mounted without pedestal or legs, height 34" to top of rim			
Extends at least 22" from the wall			
Open knee space a minimum 19" deep, 30" width, and 27" high			
Cover exposed pipes with insulation			
Faucets operable with closed fist (lever or spring activated handle)			
At least one Stall:			None
Accessible to person using wheelchair at 60" wide by 72" deep			
Stall door is 36" wide			
Stall door swings out			
Stall door is self-closing			
Stall door has a pull latch			
Lock on stall door is operable with a closed fist, and 32" above the floor			
Coat hook is 54" high			
Toilet			None
18" from center to nearest side wall			
42" minimum clear space from center to farthest wall or fixture			
Top of seat 17"-19" above the floor			
Grab Bars			None
On back and side wall closest to toilet			
1 1/4" diameter			
1 1/2" clearance to wall			
Located 30" above and parallel to the floor			
Acid-etched or roughened surface			
42" long			
Fixtures			None
Toilet paper dispenser is 24" above floor			
One mirror set a maximum 38" to bottom (if tilted, 42")			
Dispensers (towel, soap, etc.) at least one of each a maximum 42" above the floor			
NOTES			

LOCATION:	Town Forest Greenway		
FLOORS, DRINKING FOUNTAINS, TELEPHONES	None		
Specification	*Yes*	*No*	*Comments/Transition Notes*
Floors			
Non-slip surface			
Carpeting is high-density, low-pile, non-absorbent, stretched taut, securely anchored			
Corridor width minimum is 3 ft			
Objects (signs, ceiling lights, fixtures) can only protrude 4" into the path of travel from a height of 27" to 80" above the floor			
Drinking Fountains			
Spouts no higher than 36" from floor to outlet			
Hand operated push button or level controls			
Spouts located near front with stream of water as parallel to front as possible			
If recessed, recess a minimum 30" width, and no deeper than depth of fountain			
If no clear knee space underneath, clear floor space 30" x 48" to allow parallel approach			
Telephones			None
Highest operating part a maximum 54" above the floor			
Access within 12" of phone, 30" high by 30" wide			
Adjustable volume control on headset so identified			
SIGNS, SIGNALS, AND SWITCHES			None
Specification	***Yes***	***No***	***Comments/Transition Notes***
Switches, Controls and Signs			
Switches and controls for light, heat, ventilation, windows, fire alarms, thermostats, etc., must be a minimum of 36" and a maximum of 48" above the floor for a forward reach, a maximum of 54" for a side reach			
Electrical outlets centered no lower than 18" above the floor			
Warning signals must be visual as well as audible			
Signs			None
Mounting height must be 60" to centerline of the sign			
Within 18" of door jamb or recessed			
Letters and number at least 1 1/4" high			
Letters and numbers raised .03"			
Letters and numbers contrast with the background color			
NOTES			

LOCATION:	Town Forest Greenway		
SWIMMING POOLS - accessibility can be via ramp, lifting device, or transfer area - None			
Specification	*Yes*	*No*	*Comments/Transition Notes*
Ramp at least 34" wide with a non-slip surface extending into the shallow end, slope not exceeding 1:6 with handrails on both sides			
Lifting device			
Transfer area 18" above the path of travel and a minimum of 18" wide			
Unobstructed path of travel not less than 48" wide around pool			
Non-slip surface			
SHOWER ROOMS - Showers must accommodate both wheel-in and transfer use - None			
Specification	*Yes*	*No*	*Comments/Transition Notes*
Stalls 36" by 60" minimum, with a 36" door opening			
Floors are pitched to drain the stall at the corner farthest from entrance			
Floors are non-slip surface			
Controls operate by a single lever with a pressure balance mixing valve			
Controls are located on the center wall adjacent to the hinged seat			
Shower heads attached to a flexible metal hose			
Shower heads attached to wall mounting adjustable from 42" to 72" above the floor			
Seat is hinged and padded and at least 16" deep, folds upward, securely attached to side wall, height is 18" to the top of the seat, and at least 24" long			
Soap trays without handhold features unless they can support 250 pounds			
2 grab bars are provided, one 30" and one 48" long, or one continuous L shaped bar			
Grab bars are placed horizontally at 36" above the floor line			
PICNICKING			None
Specification	*Yes*	*No*	*Comments/Transition Notes*
space under the table top not less than 30" wide and 19" deep per seating space and not less than 27" clear from the ground to the underside of the table. An additional 29" clear space (totaling 48") must extend beyond the 19" clear space under the table to provide access			
For tables without toe clearance, the knee space under the table must be at least 28" high, 30" wide and 24" deep.			
Top of table no higher than 32" above ground			
Surface of the clear ground space under and around the table must be stable, firm and slip-resistant, and evenly graded with a maximum slope of 2% in all directions			
Accessible tables, grills, and fire rings must have clear ground space of at least 36" around the perimeter			
NOTES			

Date:	07/01/19	Location: Town Forest		Schedule of Changes		
				(pending appropriate levels of funding)		
		Physical Barriers	Necessary Changes	Changes to be implemented by the end of FY...	Yearly schedule of Changes (if the Transition Plan is more than 1 year long)	Responsible Person
1.0	Activities & Equipment:					
2.0	Parking/Ramps:	No marked or signed spaces	Add accessible space/signage	2021		ADA Coord
2.1						
2.2						
2.3						
3.0	Site Access, Path of Travel, Entrances:	Gate blocks access drive	Allow handicap vehicle access to top of hill		Determine feasibility	ADA Coord
3.1	Entrance:					
4.0	Stairs & Doors:					
5.0	Restrooms:					
6.0	Floors, Drinking Fountains, Telephones, Signs, Switches, & Signals:					
7.0	Swimming Pools & Picnicking:					

Facility Inventory	LOCATION:	Veasey Memorial Park	STREET ADDRESS:
JURISDICTION & MANAGEMENT:		Conservation Commission	201 Washington Street
Site Description (from Open Space & Recreation Plan): Wetlands, Watershed, Banks to Open Water, Steep Slopes, Wildlife Habitat, Passive Recreation, Scenic Vistas, Rare Topography, Flood Control			
ACTIVITY	EQUIPMENT	NOTES	*Comments/Transition Notes*
Picnic Facilities	Tables & Benches	Located adjacent to accessible paths	See Transition Plan & Site Access Survey attached
		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		Surface material	
		Dimensions	
		Rails	
		Signage (for visually impaired)	
Swimming Facilities	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	Same experience provided to all	
	Access Routes	Located adjacent to accessible paths	
		Enough space between equipment for wheelchair	


Veasey Memorial Park Groveland, MA

Americans with Disabilities Act (ADA)
Self-Evaluation/Site Access Survey

To: Vanessa Lopez
Veasey Memorial Park
201 Washington Street
Groveland, MA 01834

Veasey Memorial Park

Address: 201 Washington Street
Tel: (978) 521-9345
Vanessa@veaseypark.org

Present today were:

Vanessa Lopez, Veasey Memorial Park, Events Coordinator,
Claire Walsh, Veasey Memorial Park, Friends Group,
Consultant James Lyons, Northeast Independent Living Program Inc.
Consultant Grant Murphy, Northeast Independent Living Program Inc.

The Veasey Memorial Park was surveyed by the team above on June 30, 2018. It is operated and managed by The Town of Groveland. Veasey Memorial Park offers many excelent services and opportunities including hosting everything from business meetings, weddings, showers, fundraisers, and parties, to recurring group events, visiting the trail system, picnic areas, car top boat access, and popular winter sledding hill. Veasey is also a good spot for star gazing and birding in the fields, woods, and along the freshwater shoreline. They have year-round rental spaces available.

The Town of Groveland originally purchased the park in 1909. After several changes in ownership, it was bought in the early 1960's by the Little Missionary Sisters of Charity, an order of Italian nuns with the local archdiocese. Under the ownership of the Sisters, several changes were made to the property. Not only was an "east wing" added to the main building, some of the larger rooms in the building were made into to dormitories. The

addition of the "east wing" included a new dining room, a small and large chapel and a function hall with a large kitchen.

The sisters decided to sell the property to raise funds for future missions. Town of Groveland was an eager buyer. The process took over two years, and on October 30, 1996 the sale was consummated at the cost of $954,000 (only $160,000 came directly from the Town of Groveland, the rest was raised through grants and conservation liens, and a very generous donation from the Veasey family). Thus, in the year 1996 the Town of Groveland purchased the land (47 acres altogether) through a conservation land purchase, and it is now a Conservation Park and Nature Preserve. We have been informed that the Groveland American Legion (The VFW Rents space near The Great Hall at Veasey Memorial Park. The Americans With Disabilities Act (ADA) survey Team surveyed all the following rooms and function halls, etc.:

Pingree Hall: sits right below the Great Hall, has a seating Capacity: 70 people. To allow for access to both the American Legion, The Great Hall, Pingree Hall we recommend the installation of 2 LULA's, a ramp and or a full elevator at Veasey Park that would make an accessible path of travel to most of the building.

The Great Hall: is a 1,500 sq. foot former chapel with a high arching buttressed wooden ceiling. There is a performance stage provided in the hall. We recommend 7-8 ft. ramp cut into the stage area with railing installed. This ramp would require a 3 feet wide section of the stage be cut into for seven feet to provide a perfect, gentle slope ramp. This will enable better access to the stage, as well as the VFW meeting room.

The Boardroom: is a newly renovated room with comfortable chairs and long tables to make it an ideal space for meetings and lectures. Room Capacity: 50

Mill & Green Room: Consisting of two rooms, the Mill suite is a bright room with a wooden floor and a cozy Inglenook fireplace. The Mill & Green Room capacity is 50 people

The Veasey Suite: Includes a very nice working fireplace that is made of striated rock from the Merrimack River. The Suite also has its own entrance though a screened in porch and comfortable couches and chairs. The suite's Room Capacity is 50 people.

The scope of this report is to identify barriers in programs & activities that might prevent persons with disabilities from access to The Veasey Memorial

Park and its programs, activities, and services. The key to our success is to provide equivalent access to the maximum extent feasible to everyone, regardless of disability. This report includes an inventory (and details) of the site where structural modifications are needed to make facilities accessible to persons with disabilities. Since this is the foundation for the ADA Transition Plan, we recommend The Veasey Park maintain it on file/available for public inspection for 5 years from date of completion. This ADA Evaluation includes all the Veasey Memorial Park parking area, function hall, restrooms etc.

The ADA requirements include, first of all, that the ***facility appoint an ADA Coordinator,*** and we recommend that Veasey Park designate at least one responsible employee to coordinate ADA compliance. An entity may choose to have more than one ADA Coordinator. The ADA Coordinator is responsible for coordinating the efforts of the Veasey Memorial Park ("The entity") to comply with The ADA and help follow up on the Transition Plan, etc. The name, office address, and telephone number of the ADA Coordinator must be provided to interested persons.

In our opinion the following issues were found:

Accessible Parking: We note there are essentially two parking areas, a small one at the entrance, and the second larger lot is located on the right-hand side as you come up the hill. The ADA team found that there is not a designated "Van Accessible" parking space at Veasey Memorial Park in either of the parking lots. We recommend that a "Van Accessible" sign be purchased and mounted where the current accessible HP parking space is located at the smaller upper lot. There are HP spaces available at the parking lot at the accessible entrance, but no HP spaces were found in the lower parking lot.

The team also recommend that two additional HP accessible spaces be added at the site in the upper parking area, and in the lower parking lot.

Entrances: We found that there is a sign already posted to identify the accessible entrance, and it is identified as the "All Abilities Entrance." The ADA team found that the accessible entrance has cracks that exceed ¾ inch in the concrete walkway. We recommend the cracks be repaired as is called for by The Massachusetts Architectural Access Board, section this is required by Massachusetts AAB, section 2.6, that states, "Accessible features must be kept maintained at all times." The Massachusetts Architectural Access Board (AAB-521 CMR) requires "Maintenance of Access Features: At all times, accessibility features must be maintained and fully operational. (i.e. access aisles kept clear always, mechanical devices be kept in operating condition, etc.)".

There is a threshold at the "All Abilities" Entrance that exceeds ¾ inch, and is a barrier, in our opinion. We recommend that the threshold on this accessible entrance door needs to be beveled and eliminated. This is required as per the ADA section 4.13.8, "Thresholds and doorways shall not exceed ¾ inches in height for exterior doors... raised thresholds and floor level changes at accessible doorways shall be beveled."

We recommend securing the area in front of the accessible door that is forming a hole and it is unsteady. Specifically, we recommend the holes be filled in, and the surface be repaired to ensure accessibility.

Doors: Pingree Hall needs *knurled handles* on the doors accessing the plumbing and heating room in the basement level. This is required by the Massachusetts AAB, Section 26.11.4, that states "Doors opening into hazardous areas shall have door-opening hardware which is knurled or has a roughened surface to give tactile warning to persons with visual impairments. Hazardous areas shall include but not be limited to loading platforms, boiler rooms, and electrical equipment rooms." Also, we recommend the door hardware be replaced with accessible lever type handles as recommended by ADA 2010 Standards Section 404.2.7 which states "The door shall be equipped with hardware that is operable with one hand and is does not require tight grasping, pinching, or twisting of the wrist..."

Restrooms: There are two restrooms located on the main floor, one is partially accessible and the other is not. The accessible restroom located on the main floor does not have 3' turning radius. The ADA, 2010 standards, require that: "If toilet rooms are available to the public, then at least one toilet room shall be accessible (either one for each sex, or one unisex.)" section 603.1. The ADA team also noted that the restroom measured only 54" x 86" which is too small for use by people with disabilities. We recommend that the area in front of the toilet be widened as required by ADA Section 4.17.3 requires clear floor space of minimum 60" x 56" per accessible wheelchair stalls. (Please see the attached ADA accessible restroom diagrams.)

The ADA Evaluation team found that the shower is not accessible. We recommend that the shower in restroom have a hand-held sprayer installed. The Shower does have grab bars, however. We recommend that one accessible shower be provided as required by ADA Section 4.23.6 which states "If showers are provided then at least one accessible shower shall be provided."

The ADA team surveyed both the Men's and Women's restrooms and found the signs are posted on the doors. Additionally, all signs should provide braille, and raised letters, contrasting backgrounds, etc., as required by the ADA. We suggest they be relocated to the pull side of each door as per ADA requirement.

We also found the coat hooks are mounted too high to be reached or used by people who use wheelchairs. This is called for by ADA, 2010 standards that states that "Coat hooks shall be mounted no greater than 48 inches above the floor." We recommend the they either be lowered, or new coat hooks installed to allow for use by people with disabilities.

We also found there was no ADA accessible toilets in either restroom with the height of each seat ranging from 17 to 19 inches above the ground. We recommend removing one toilet on each floor and replacing it with an accessible toilet as per ADA 2010 Standards Priority 3 Toilet Rooms Section 403 as well as Section 603.4.

We found the paper towel dispensers in both the Men's and Women's restrooms were too high, measured at 42 inches above the finish floor. We recommend those be lowered to 38 inches above the floor as per ADA 2010 Standards Section 309.4 states.

The ADA Team also found that the mirrors in both the Men's and Women's restrooms are too high to be utilized by people with disabilities. We recommend that one on each floor be tilted or lowered to allow for use by someone with a disability as required by MA AAB (521 CMR), section 30.11.

All restrooms were noticed to have inaccessible door hardware. We recommend those be replaced with paddle type handles allowing for access as required by MA AAB (521 CMR) section 26.11.1, as well as The ADA 2010 Standards, Section 404.2.7 which states "The door shall be equipped with hardware that is operable with one hand and is does not require tight grasping, pinching, or twisting of the wrist..."

Audio/Visual (A/V) Alarms: A/V Alarms were installed in every room following a storm 3 years ago. Kudos to Veasey Hall for taking the initiative to have these costly alarms installed to provide exemplary access for guests who are deaf or hard of hearing! Veasey Park has ensured the full and effective provision of A/V alarms throughout the entire structure!

Stairs: The Team determined that an oval or round railing is needed on all the steps in the facility including, for example, the steps leading from the parking lot to the Great Hall.

We found that the railings provided on the stairs leading to the basement as well as those leading to the Great Hall are not currently oval or round. We recommend these railings be replaced with oval or round railings as required by the ADA 2010 Standards Section 505.2, "handrails shall be provided on both sides of stairs.".

We found that the steps leading to The Great Hall from the parking lot, South Entrance steps, and internal Great Hall entrance steps do not have railings on both sides. We recommend another railing be installed on all 3 steps as required by ADA 2010 Section 505.2 which states "Handrails shall be provided on both sides of stair and ramps."

Path of Travel (Access to the Different Levels at Veasey Park): There are several possible options we discussed that can be fully investigated to improve accessibility to the building.

1. The first option in our opinion is to seek and acquire estimates from Limited Use Limited Access (LULA) elevator companies to install: an elevator in the rear of the building behind the rear steps This may be one of the optimal spots for attempting to install accessibility in a meaningful and effective manner.

A V shaped concrete walkway would then be installed to access the new ADA elevator in the rear. This V shaped sidewalk would connect the rear elevator and stairs with the side driveway, a then the lower parking lot. This would be a 3 stop elevator. The project would need for example call buttons, audio system, a 2-story full protective wooden structure, with full roof, and other materials. We utilized the Means ADA Compliance Guide, 2nd Edition to develop this rough estimated cost = $ 29,000.00 including labor as per building laws regulations, covenants, etc. to protect the LULA, etc.

2. The second option in our opinion is to seek and acquire estimates from Limited Use Limited Access (LULA) elevator companies to install: an elevator inside the building near the south entrance that currently contains 3 eight steps; measuring eight inches each. This may be one of the optimal spot for attempting to install accessibility in a meaningful and effective manner, in our opinion.

The Park is recommended to ask the LULA company representatives where they think the optimal interior spot is for such an elevator installation is at the Park? The important question is where the best spot is inside the building. We can ask the dealers what is allowed under regulations etc.?

According to the ADA, section 28.3.2: such call buttons should have visual signals to indicate when each call is registered and when each call is answered. 28.3.3 Call buttons shall be a minimum of ¾ of an inch (¾" = 19mm) in the smallest dimension. The button designating the up direction shall be on top. Buttons shall be raised or flush. 28.3.4 Objects mounted beneath hall call buttons shall not project into the elevator lobby more than four inches (4"=102mm). Note: The automatic door reopening device is activated if an object passes through either line A or line B. Line A and line B represent the vertical locations of the door reopening device not requiring contact. 28.4 HALL Lanterns a visible and audible signal shall be provided at each hoist way entrance to indicate which car is answering a call.

According to the ADA, section 28.8.4, that delineates tactile, Braille, and visual control indicators: "All control buttons shall be designated by Braille and by raised standard alphabet characters for letters, Arabic characters for numerals, or standard symbols as shown in Fig. 28e. a. Raised, and Braille characters and symbols shall comply with 521 CMR 41.00: Signage: The call button for the main entry floor shall be designated by a raised star at the left side of the floor designation.
Next, a dogleg type ramp is needed, and we recommend the Park install a dogleg type ramp from the side entrance to the driveway also the side of the building.

Currently there is a concrete stairway at the entrance, and this stair will always be needed at the park in our opinion. The park also includes a concrete walkway the ramp must not cover the existing stairs. And the ramp would have to come to top of stairs along the side of the stairs

Signage: The ADA team found that there is no directional sign posted at the inaccessible entrance informing people with disabilities of the accessible path to the "All abilities" entrance. This is required by the ADA 2010 Standards Section 216.6. directing people to the accessible entrance, as per: Section §35.163 Information and signage states "A public entity shall ensure that interested persons, including persons with impaired vision or hearing, can obtain information as to the existence and location of accessible services, activities, and facilities."

As concerns signage at the Veasey Memorial Park, the ADA team strongly recommends that a sign be developed and posted informing guests of ADA amenities.

We recommend providing accessible tables in the function halls. According to the ADA, wheelchair accessible tables must, where practical, be distributed throughout the establishment. Accessible tables must be between 28 and 34

inches from the floor to the top of the table if readily achievable. Keep a list of accessible tables so the person who seats customers will be able to direct customers using wheelchairs to accessible tables. If an individual wish to transfer from her or his wheelchair to a regular seat, it is suggested that restaurant staff offer to remove the wheelchair to an out-of-the-way location.

Thank you,

James Lyons

Community Advocacy Director
Northeast Independent Living Program, Inc.
20 Ballard Road,
Lawrence, MA 01843
Tel: (978) 687-4288 v/tty
Fax: (978) 689-4488

Grant Murphy

ADA Coordinator



The ADA team also noted that the restroom measured only 54" x 86" which is too small for use by people with disabilities. We recommend that the area in front of the toilet be widened as required by ADA Section 4.17.3 requires clear floor space of minimum 60" x 56" per accessible wheelchair stalls.



The Great Hall provides a large performance stage. We recommend 7-8 ft. ramp cut into the stage area with railing installed. This ramp would require a 3 feet wide section of the stage be cut into for seven feet to provide a perfect, gentle slope ramp. This will enable better access to the stage, as well as the VFW meeting room.



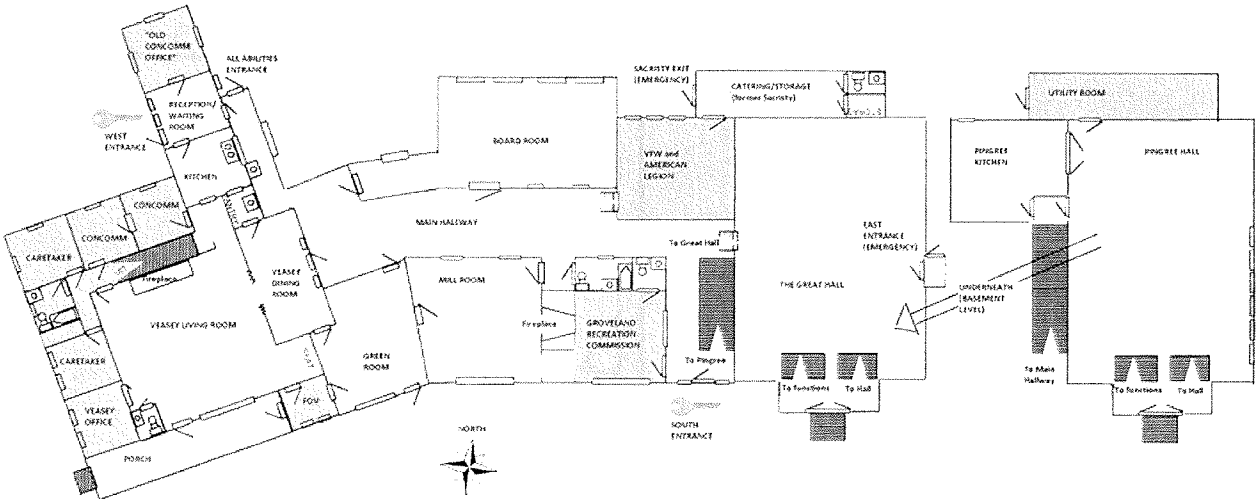
We found that the steps leading to the Great Hall do not include railings on both sides. We are informed that this area is currently leased to the Groveland Veterans of Foreign Wars (VFW).



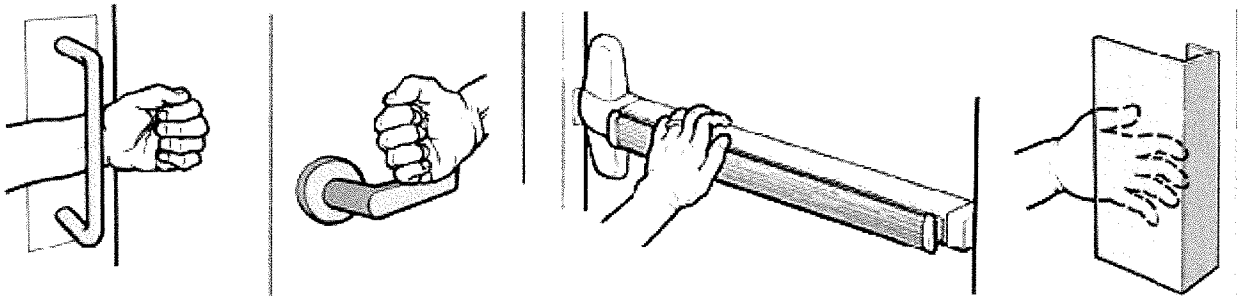
A dogleg type ramp is needed, and we recommend the Park install a dogleg type ramp from the side entrance to the driveway also the side of the building.

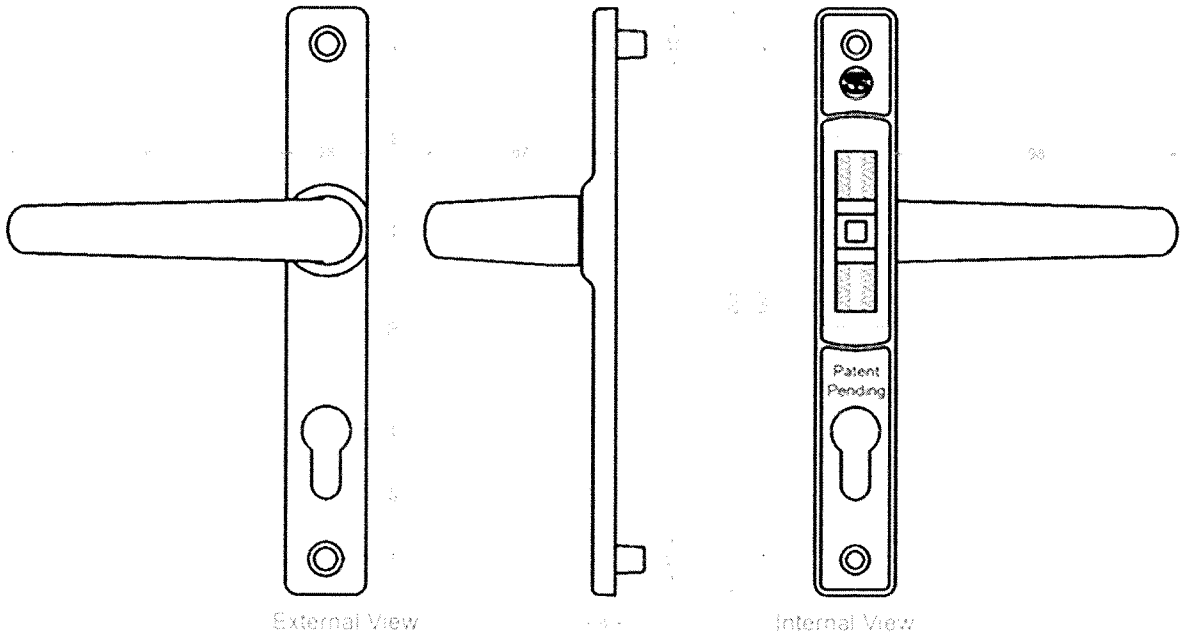
A second option, in our opinion is to seek and acquire estimates from LULA Limited Use Limited Access elevators companies to install: an elevator in the inside the building near the south side entrance that currently contains 3 eight steps eight inches each.

Diagram from the Veasey Memorial Park website:



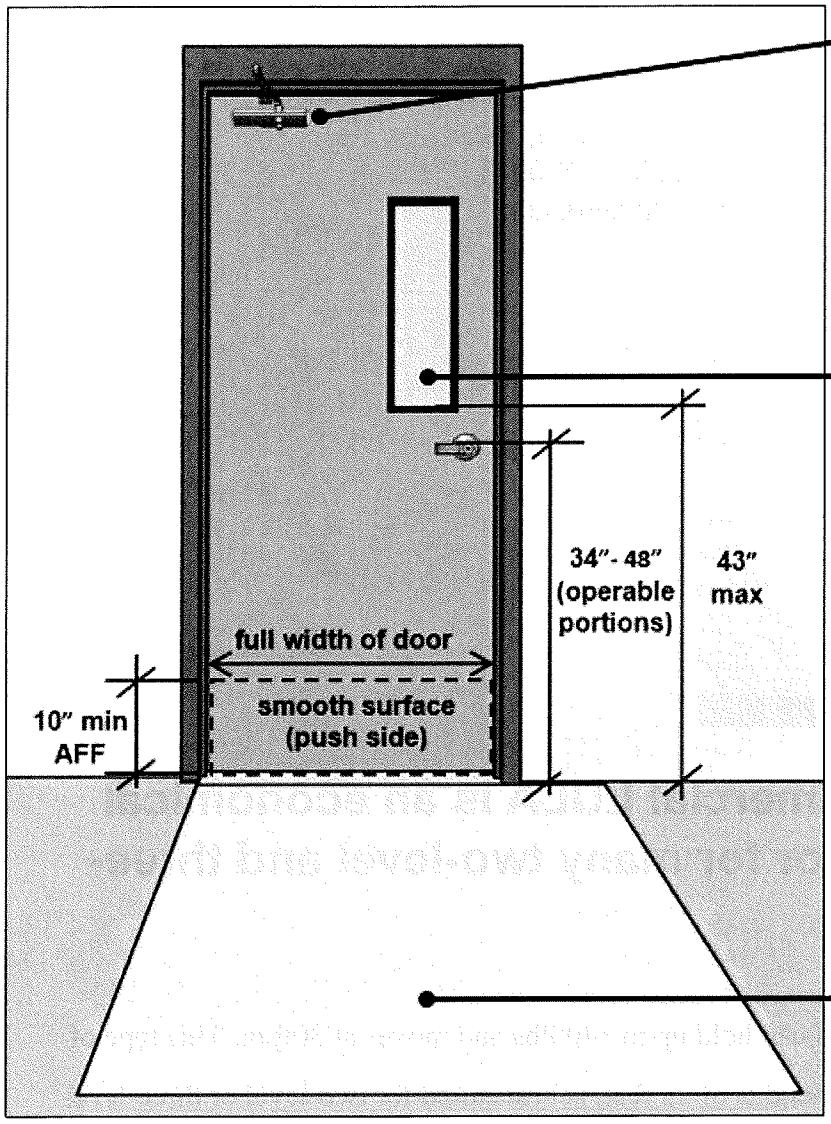
The following diagram is a pictorial summary of the ADA 2010 Amendments requirements for door hardware:





Drawings of hand-activated door opening hardware including handles, pulls, and latches (ADA accessible door hardware). These accessible, lever type handles are recommended by the ADA, 2010 Standards, Section 404.2.7 which states "The door shall be equipped with hardware that is operable with one hand and is does not require tight grasping, pinching, or twisting of the wrist…"

The following diagram is a pictorial summary of the ADA 2010 Amendments requirements for doors in general:



Closing Speed (§404.2.8)
Closers: 5 sec. min. from 90° to 12°
(spring hinges: 1.5 sec. min. from 70° to 0°)

Opening Force (§404.2.9)
5 lbf max.
(excluding exterior hinged doors and fire doors)

Vision/ Side Lights (if provided) (§404.2.11)
Accessible viewing height 43" max. unless not intended for viewing (i.e., lowest part above 66")

Hardware (§404.2.7)
Operable parts must comply

Smooth Surface (§404.2.10)
Required at the bottom on the push side

Thresholds (§404.2.5)
1/2" max. high
(beveled if above 1/4")

Maneuvering Clearance (§404.2.4)
required on both sides (unless door or gate is used in one direction only)

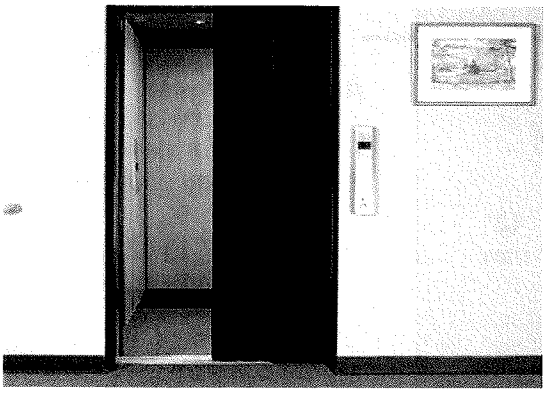


Double-Leaf Doors (§404.2.2)
One active leaf of double-leaf doors is required to meet criteria for clear width and maneuvering clearance. Other door requirements apply to both leaves.

Examples of Where to find Limited Use Limited Access (LULA) type Elevators:

NationwideLifts, inc
Tel: 518) 798-0871
info@nwlifts.com

Freedom Commercial LULA



The Freedom Commercial LULA is an economical commercial elevator for many two-level and three-level applications.

The Freedom Commercial model can hold up to 1400lbs and moves at 30fpm. This type of elevator, which can travel up to heights of 25 feet, is best suited for two-level or three-level office buildings, schools, or churches.

- Ideal for handicap accessibility in small buildings
- Smooth, Quiet Hydraulic Operation
- Variety of Finish Options

Cab Dimensions & Options

Cab dimensions for a Freedom Commercial elevator are 48 inches by 54 inches, with a height of 84 inches. The elevator doors are automatic side-slide, which are typical for commercial use. Inside, the cab has stainless steel fixtures and choice of wall panels.

ADA Compliant

This elevator meets US and Canadian code requirements for Limited Use Limited Application (LULA) commercial requirements and is ADA compliant. (Note: This elevator does not meet size requirements for gurney access. We recommend consulting with your local building department and fire marshal to obtain approval for a LULA elevator.)

Installation

A machine room is required for this elevator. In most regions, the machine room must be 5' wide by 5' deep. The elevator power and a functional telephone jack must be present in the machine room. A light (with protective cage) and a GFI outlet must be located in the machine room. The door to the machine room must be self-closing and self-locking. In many cases the fire and smoke alarm signals should be wired to the machine room.

Freedom LULA - Doors 90 Degrees Right - Cab 51x51

Freedom LULA - Doors Opposite Sides - Cab 42x60

Freedom LULA - Doors Opposite Sides - Cab 48x54

Freedom LULA - Doors Same Side Left - Cab 42x60

Freedom LULA - Doors Same Side Left - Cab 48x54

Freedom LULA - Doors Same Side Right - Cab 42x60

Freedom LULA - Doors Same Side Right - Cab 48x54

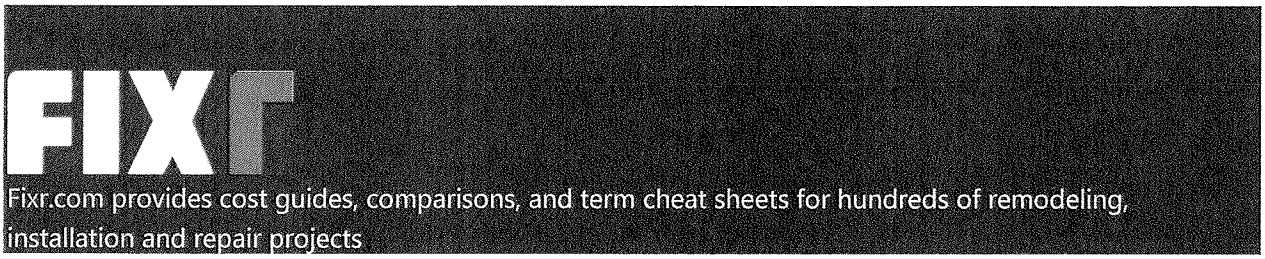
Standard Features

- 1400 lb. capacity
- Travel capability of up to 25 feet with up to 4 stops
- 14" pit requirement
- 30 fpm rated speed
- Hydraulic drive system for smooth, quiet operation
- Standard cab platform of 48x54 or 42x60

- 84" interior cab height
- Emergency battery powered lowering
- Automatic emergency cab lighting for added safety

Halley Elevator, Inc.
11 Tyng Street
Newburyport, Mass. 01950
Phone: 978-463-0020
Fax: 978-463-0320
Email: info@halleyelevator.com

The following elevator information is provided by:
Fixr.com



Types

Ultimately, there are essentially five types of home elevators being offered today. Depending on the manufacturer, there may be variations within the five types, but the basic mechanics remain the same. Of these five, hydraulic and pneumatic are the most commonly found in homes.

- In a cable driven elevator, a cable is wound around a turning drum, which raises and lowers the elevator. This drum requires significant space in addition to the shaft itself, which makes it impractical for retrofit installations.
- In chain drive elevators, a counterweight attached to a chain travels in the opposite direction of the elevator car. This requires the shaft to be much larger as well, although it doesn't need a separate motor room like the cable driven elevator does.
- In a hydraulic elevator, a ram is used to push the elevator straight up or down. It takes up less space, although you need to have some room above or below the shaft for the device.
- Gearless traction elevators are very uncommon in homes, but work like either with a cable or chain elevator, but without gears in the motor to turn it. They work best in tall buildings as they are built for speed.
- Pneumatic elevators use a vacuum tube to pull the car up or down. They take up the least space but are highly visible.

Elevator Type	Pros	Cons
Pneumatic (**$35,00-$50,000**)	Energy efficient and eco-friendly	Very visible and meant to be placed in the open
Cable Driven (**$15,000-$30,000**)	Good for new construction	The cable stretches and can break, needs to be replaced every 5 years
Hydraulic (**$20,000-$50,000**)	Doesn't require a machine room, better at retrofitting than cable-driven	Cable must be replaced every 5 years
Chain Driven (**$20,000-$50,000**)	Chain doesn't break	Noisy and impractical for residential installation
Gearless (**$20,000-$50,000**)	Less maintenance	Not practical for most homes, best used in commercial settings or very tall buildings

Brands

There are numerous manufacturers of residential elevators. The one you choose should ultimately be based on how well their elevators will meet your needs.

Brand	Pros	Cons
Easy Climber - hydraulic (**$10,000-$15,000**)	Installs very quickly	Highly visible
Crystal - hydraulic or cable driven (**$20,000-$30,000**)	Custom made	Fewer options for retrofitting
Inclinator - hydraulic or cable driven (**$20,000-$30,000**)	Several cab styles and drive systems to choose from	Made to order, so long build and installation times
Stiltz - hydraulic (**$15,000-$20,000**)	Small, shaftless elevator good for retrofitting	Limited in height of the operation
Stratus - hydraulic (**$20,000-$30,000**)	Quiet	Can only travel 15 feet

Handilift.com Tel: (201) 933-0111

Fax: **(201) 933-0050** Sales or product inquiries: sales@handi-lift.com

Architects, send drawings to: drawings@handi-lift.comHeadquarters & Warehouse: **730 Garden Street, Carlstadt NJ 07072** Handi-Lift is the leading accessibility contractor in the Tri-State area. With products like wheelchair lifts and home elevators, we create solutions that enable people with mobility impairments to live freely.

We provide one-on-one design and code consulting, a broad product range, expert installation, and superior service



What is your accessibility challenge? Let us help. Call Garaventa Lift now 1.800.663.6556

Garaventa Lift *Phone: 1.800.663.6556*
Email: customerrelations@garaventalift.com

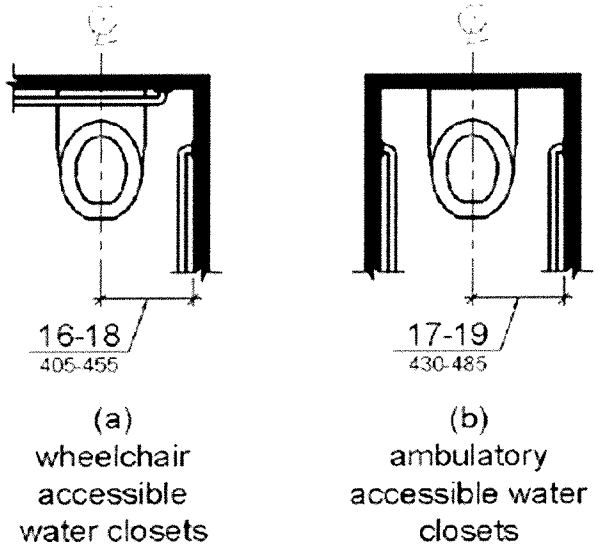
How much do home elevators cost?

This is similar to asking, "how much do cars cost?" There is a wide range, depending on a number of factors. Generally speaking, in most parts of North America, two-stop home elevators start in the range of **$20,000** installed. **Typical installations cost between $19,000 and $39,000.**

Specific ADA requirements for toilets:

604.2 Location. The water closet shall be positioned with a wall or partition to the rear and to one side. The centerline of the water closet shall be 16 inches (405 mm) minimum to 18 inches (455 mm) maximum from the side wall or partition, except that the water closet shall be 17 inches (430 mm) minimum and 19 inches (485 mm) maximum from the side wall or partition in the ambulatory accessible toilet compartment specified in 604.8.2. Water closets shall be arranged for a left-hand or right-hand approach.

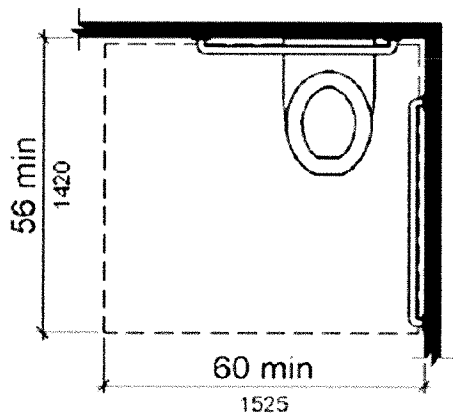
Figure 604.2 Water Closet Location



604.3 Clearance. Clearances around water closets and in toilet compartments shall comply with 604.3.

604.3.1 Size. Clearance around a water closet shall be 60 inches (1525 mm) minimum measured perpendicular from the side wall and 56 inches (1420 mm) minimum measured perpendicular from the rear wall.

Figure 604.3.1 Size of Clearance at Water Closets



604.3.2 Overlap. The required clearance around the water closet shall be permitted to overlap the water closet, associated grab bars, dispensers, sanitary napkin disposal units, coat hooks, shelves, accessible routes, clear floor space and clearances required at other fixtures, and the turning space. No other fixtures or obstructions shall be located within the required water closet clearance.

ADA Transition Plan

Action Item	Regulation – ADA - AAB	Person Responsible	Cost Estimate	Expected Completion Date
1. The goal is to install an HP 'Van Accessible" parking sign on a pole installed near the Transfer Station office.	*The Americans With Disabilities Act (ADA), Section 4.6.4* "Space shall have an additional sign "Van Accessible" mounted below the symbol of accessibility."	ADA Coordinator	Sign $85.00 Pole $40.00 Labor 2 ½ Hour **Total** $425.00	12/31/18
2. The goal is to paint ground markings for an HP Van Accessible parking space near the Transfer Station office.	*Massachusetts AAB, Section 23.3.1* states "Accessible parking spaces serving a particular building, facility or temporary event shall be located on the shortest accessible route of travel from adjacent parking to an accessible entrance."	ADA Coordinator	Paint $490.00 Labor 2 hours **Total** $730.00	12/31/18
3. The goal is to repair cracks in the accessible entrance walkway.	*MA AAB, section 2.6,* Maintenance of Accessible Features states "At all times accessibility features must be maintained and fully operational."	ADA Coordinator	Materials $300.00 Labor 2 Hours **Total** $900.00	12/31/18
4. The goal is smooth out the threshold that exceeds ¾ inches at the accessible entrance.	ADA Section 4.13.8 Thresholds of Doorways states "Thresholds of doorways shall not exceed ¾ inch in height for exterior doors... Raised thresholds and floor level changes at accessible doorways shall be beveled."	ADA Coordinator	Labor 4 Hours **Total** $480.00	12/31/18

5. The goal is to install knurled handles on the plumbing and Heating Room.	AAB Section 26.11.4 states "All Doors opening into hazardous areas shall have hardware, which is knurled or roughened."	ADA Coordinator	Handles $95.00 each Labor 1 hour **Total** $310.00	12/31/18
6. The goal is to create a 3-foot turning radius in one restroom on each floor.	ADA 2010 Standards Section 604.8.1.1 states "The minimum space required in toilet compartments is provided so that a person using a wheelchair can maneuverer into position at the water closet. This space cannot be obstructed by baby changing tables or other fixtures or conveniences."	ADA Coordinator/ Administrator	Restroom Expansion Estimate **Total** $12,00.00	12/31/18
7. The goal is to install a handheld nozzle in the shower.	ADA 2010 Standards Section 604.8.1.1 Size states "Wheelchair accessible compartments shall be 60 inches wide minimum measured perpendicular to the side wall, and 56 inches deep minimum for wall hung water closets and 59 inches deep minimum for floor mounted water closets measured perpendicular to the rear wall. Wheelchair accessible compartments for children's use shall be 60 inches wide minimum measured perpendicular to the side wall, and 59 inches deep minimum for wall hung and floor mounted water closets measured perpendicular to the rear wall."	ADA Coordinator/ Administrator	$40.00 Labor 3 hours **Total** $400.00	12/31/18
8. Goal is to relocate the Men's and Women's Room Restroom signs from the doors to the pull side wall.	(Please bear in mind all the restroom recommendations following pertain to making one restroom accessible on each floor) MA AAB 41.2 Mounting Location and Height states "Where permanent identification is provided for rooms and spaces, signs shall be installed on the wall adjacent to the latch side of the door."	Same	Labor 1 Hour **Total** $120.00	12/31/18

9. Goal is to add accessible coat hooks in each restroom.	(Bear in mind all the restroom recommendations following pertain to making one restroom accessible on each floor) MA AAB states "Coat hooks shall be 54 inches high."	Same	2 Coat hooks $10.00 Labor 1 Hour **Total** $130.00	12/31/18
10. The goal is to install one accessible toilet on each floor.	ADA 2010 Standards Priority 3 Section 606.2 states "If a toilet room is available to the public at least one toilet room shall be accessible either one for each sex or one unisex."	ADA Coordinator	Toilets $1370.00 Labor 6 Hours **Total** $2090.00	12/31/18
11. The goal is to lower the paper towel dispensers in one restroom on each floor.	MA AAB 521 CMR 30.12 states "Towel dispensers, drying devices, or other types of devices and dispensers shall have at least one of each device mounted within the zone of reach. At least one of each device shall be located within reach of a person using the accessible sink and shall comply with 521 CMR 39.5, Operation."	ADA Coordinator	Labor 2 Hours **Total** $240.00	12/31/18
12. The goal is to lower the mirror in one restroom on each floor.	(Please bear in mind all the restroom recommendations following pertain to making one restroom accessible on each floor) MA AAB 521 CMR 30. 11 states "The top of any shelf and or bottom of any mirror that is provided above a sink shall be set with the bottom edge of the reflecting surface no higher than 40 inches above the finish floor."	ADA Coordinator	Materials $260.00 Labor 1 Hour **Total** $380.00	12/31/18

13. The goal is to fill in the hole in front of the "Abilities Entrance."	ADA 2.6 Maintenance of Accessible Features states "At all times accessibility features must be maintained and fully operational."	ADA Coordinator/ Administrator	Materials $1400.00 Labor 3 Hours **Total** $1760.00	12/31/18
14. The goal is to install a ramp at the South Entrance. To provide partial building access.	ADA Section 405 "Ramp runs shall have a running slope no steeper than 1:12. Changes in level other than the running slope are not permitted on the ramp run."	ADA Coordinator/Administrator	Materials and Labor **Total** $5348.00	7/1/25
15. The goal is to install 1 LULA in the back by the back stairs.	MA AAB 521 CMR, Section 28.1 General states "In all multi story buildings and facilities, each level including mezzanines, shall be served by a passenger elevator... Accessible elevators shall be on an accessible route and located within the space with which it is intended to serve."	Same	**Total** $50,000.00	7/1/24
16. The goal is install a LULA indoors near the South Entrance.	MA AAB 521 CMR, Section 28.1 General states "In all multi story buildings and facilities, each level including mezzanines, shall be served by a passenger elevator... Accessible elevators shall be on an accessible route and located within the space with which it is intended to serve."	Same	**Total** $40,000.00	7/1/24

17. The goal is to install a full elevator.	MA AAB 521 CMR, Section 28.1 General states "In all multi story buildings and facilities, each level including mezzanines, shall be served by a passenger elevator… Accessible elevators shall be on an accessible route and located within the space with which it is intended to serve."	ADA Coordinator/ Administrator	Estimated **Total** $75,000.00 - $150,000.00	7/1/25
18. The goal is to install a 7-8 ft. ramp in The Great Hall.	ADA 2010 Standards Section 206.2.2 states "At least one accessible route shall connect accessible buildings, elements, and accessible spaces…"	Same	$191.00/ Linear Ft. **Total** $1528.00	7/1/24
19. The goal is to install a "V" shaped ramp to access the rear entrance to The Great Hall.	ADA Section 405 "Ramp runs shall have a running slope no steeper than 1:12. Changes in level other than the running slope are not permitted on the ramp run."	Same	Materials and Labor **Total** $10696.00	7/1/24
20. The goal is to install another railing on the internal entrance to Great Hall.	ADA 2010 Section 505.2 states "Handrails shall be provided on both sides of stairs or ramps."	Same	Railing **Total** $826.00	7/1/21
21. The goal is to install another railing on the concrete steps leading to the parking lot.	ADA 2010 Section 505.2 states "Handrails shall be provided on both sides of stairs or ramps."	Same	Railing $2478.00 Labor 4 Hours **Total** $2958.00	7/1/21
22. The goal is to install a railing on the steps at the South Entrance of Veasey Memorial Park.	ADA 2010 Section 505.2 states "Handrails shall be provided on both sides of stairs or ramps."	Same	Railing **Total** $826.00 Hardware	7/1/21

23. The goal is to install accessible door hardware on one restroom on each floor.	(Bear in mind all the restroom recommendations following pertain to making one restroom accessible on each floor) ADA Section 4.13.9 Door Hardware. States "Handles, pulls, latches, locks and other operating devices shall have a shape that is easy to grasp with one hand and does not require tight grasping, tight pinching, or twisting of the wrist to operate."	ADA Coordinator/ Administrator	$90.00 each Labor 1 Hour **Total** $300.00	12/31/18

Facility Inventory	LOCATION:	Washington Park	STREET ADDRESS:
	JURISDICTION & MANAGEMENT:	Town of Groveland	107 Washington Street
Site Description (from Open Space & Recreation Plan):			
ACTIVITY	EQUIPMENT	NOTES	*Comments/Transition Notes*
Picnic Facilities	Tables & Benches	Located adjacent to accessible paths	Yes
		Access to Open Spaces	Yes
		Back and Arm Rests	No
		Adequate number	3 Tables - None Accessible
	Grills - None	Height of Cooking Surface	None
		Located adjacent to accessible paths	
	Trash Cans	Located adjacent to accessible paths	Yes
	Picnic Shelters	Located adjacent to accessible paths	None
		Located near accessible water fountains, trash can, restroom, parking, etc.	None
Trails	None	Surface material	None
		Dimensions	"
		Rails	"
		Signage (for visually impaired)	"
Swimming Facilities	Pools - None	Entrance	None
		Location from accessible parking	
		Safety features i.e., warning for visually impaired	
	Beaches - None	Location from accessible path into water	None
		Handrails	
		Location from accessible parking	
		Shade provided	
Play Areas (tot lots)	All Play Equipment i.e. swings, slides	Same experience provided to all	No (ages 2-5 Tot Lot) - Play structures, swings, sand boc not accessible
	Access Routes	Located adjacent to accessible paths	Yes
		Enough space between equipment for wheelchair	Yes

Facility Inventory	LOCATION:	Washington Park	STREET ADDRESS:
JURISDICTION & MANAGEMENT:		Town of Groveland	107 Washington Street
Site Description (from Open Space & Recreation Plan):			
ACTIVITY	EQUIPMENT	NOTES	*Comments/Transition Notes*
Game Areas: *ballfield *basketball *tennis	Access Routes	Located adjacent to accessible paths	Yes (ballfields - 2 fenced baseball with dugouts, utility field (soccer), 1 batting cage)
		Berm cuts onto courts	N/A
	Equipment	Height	Standard
		Dimensions	Standard
		Spectator Seating	Yes - metal bleachers
Boat Docks	Access Routes	Located adjacent to accessible paths	None
		Handrails	
Fishing Facilities	Access Routes	Located adjacent to accessible paths	None
		Handrails	
	Equipment	Arm rests	None
		Bait shelves	
		Handrails	
		Fish Cleaning Tables	
Programming	Are special programs at your facilities accessible?	Learn-to-Swim	No
		Guided Hikes	
		Interpretive Programs	
Services and Technical Assistance	Information available in alternative formats i.e., for visually impaired		No
	Process to request interpretive services (i.e. sign language interpreter) for meetings		
Notes: Add accessible playground equipment			

LOCATION:	Washington Park		
PARKING			
Total Spaces		***Required Accessible Spaces***	
Up to 25		1 space	
26-50		2 spaces - X	
51-75		3 spaces	
76-100 - X		4 spaces	
101-150		5 spaces	
151-200		6 spaces	
201-300		7 spaces	
301-400		8 spaces	
401-500		9 spaces	
Specifications for Accessible Spaces	***Yes***	***No***	***Comments/Transition Notes***
Accessible space located closest to accessible entrance	X		
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.	X		
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle	X		
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.	X		
Sign with international symbol of accessibility at each space or pair of spaces	X		
Sign minimum 5 ft, maximum 8 ft to top of sign	X		
Surface evenly paved or hard-packed (no cracks)	X		
Surface slope less than 1:20 (5%)	X		
Curbcut to pathway from parking lot at each space or pair of spaces, if sidewalk (curb is present)	X		
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	X		
RAMPS - None			
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 (4 ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction			
Notes:			Need 2 additional accessible spaces

LOCATION:	Washington Park		
SITE ACCESS, PATH OF TRAVEL, ENTRANCES			
Specification	*Yes*	*No*	*Comments/Transition Notes*
Accessible path of travel from passenger disembarking area and parking area to accessible entrance	X		
Disembarking area at accessible entrance	X		
Surface evenly paved or hard-packed	X		
No ponding of water	X		
Path of Travel			
Path does not require the use of stairs	X		
Path is stable, firm and slip resistant	X		
3 ft wide minimum	X		
Slope Maximum 1:20 (5%) and maximum cross pitch is 2% (1:50)	X		
Continuous common surface, no changes in level greater than 1/2 inch			Parking paved, fields grass
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane	X		
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"		X	
Curb on the pathway must have curb cuts at drives, parking and drop-offs		X	
Entrances - N/A			
Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and not be the service entrance			N/A
Level space extending 5 ft. from the door, interior and exterior of entrance doors			"
Minimum 32" clear width opening (i.e., 36" door with standard hinge)			"
At least 18" clear floor area on latch, pull side of door			"
Door handle no higher than 48" and operable with a closed fist			"
Vestibule is 4 ft plus the width of the door swinging into the space			"
Entrance(s) on a level that makes elevators accessible			"
Door mats less than 1/2 " thick are securely fastened			"
Door mats more than 1/2" thick are recessed			"
Grates in path of travel have openings of 1/2" maximum			
Signs at non-accessible entrance(s) indicate direction at accessible entrance			
Emergency egress - alarms with flashing lights and audible signals, sufficiently lighted			
Notes:			

LOCATION:	Washington Park		
STAIRS and DOORS - None			
Specification	*Yes*	*No*	*Comments/Transition Notes*
Stairs			*None*
No open risers			
Nosings not projecting			
Treads no less than 11" wide			
Handrails on both sides			
Handrails 34" -38" above tread			
Handrail extends a minimum of 1 ft beyond top and bottom riser (if no safety hazard and space permits)			
Handgrip oval or round			
Handgrip has a smooth surface			
Handgrip diameter between 1 1/4" and 1 1/2"			
1 1/2" clearance between wall and handrail			
Doors			None
Minimum 32" clear opening			
At least 18" clear floor space on pull side of door			
Closing speed minimum 3 seconds to within 3" of the latch			
Maximum pressure 5 pounds interior doors			
Threshold maximum 1/2" high, beveled on both sides			
Hardware operable with a closed fist (no conventional door knobs or thumb latch devices)			
Hardware minimum 36", maximum 48" above the floor			
Clear, level floor space extends out 5 ft from both sides of the door			
Door adjacent to revolving door is accessible and unlocked			
Doors opening into hazardous area have hardware that is knurled or roughened			
Notes:			

LOCATION:	Washington Park		
RESTROOMS - also see Doors and Vestibules	Portable Toilets only - not accessible		
Specification	***Yes***	***No***	***Comments/Transition Notes***
5 ft turning space measured 12" from the floor			N/A
At least one Sink:			
Clear floor space of 30" by 48" to allow a forward approach			
Mounted without pedestal or legs, height 34" to top of rim			
Extends at least 22" from the wall			
Open knee space a minimum 19" deep, 30" width, and 27" high			
Cover exposed pipes with insulation			
Faucets operable with closed fist (lever or spring activated handle)			
At least one Stall:			
Accessible to person using wheelchair at 60" wide by 72" deep			
Stall door is 36" wide			
Stall door swings out			
Stall door is self-closing			
Stall door has a pull latch			
Lock on stall door is operable with a closed fist, and 32" above the floor			
Coat hook is 54" high			
Toilet			
18" from center to nearest side wall			
42" minimum clear space from center to farthest wall or fixture			
Top of seat 17"-19" above the floor			
Grab Bars			
On back and side wall closest to toilet			
1 1/4" diameter			
1 1/2" clearance to wall			
Located 30" above and parallel to the floor			
Acid-etched or roughened surface			
42" long			
Fixtures			
Toilet paper dispenser is 24" above floor			
One mirror set a maximum 38" to bottom (if tilted, 42")			
Dispensers (towel, soap, etc.) at least one of each a maximum 42" above the floor			
NOTES			Add accessible portable toilets

LOCATION:	Washington Park		
FLOORS, DRINKING FOUNTAINS, TELEPHONES	None		
Specification	*Yes*	*No*	*Comments/Transition Notes*
Floors			*None*
Non-slip surface			
Carpeting is high-density, low-pile, non-absorbent, stretched taut, securely anchored			
Corridor width minimum is 3 ft			
Objects (signs, ceiling lights, fixtures) can only protrude 4" into the path of travel from a height of 27" to 80" above the floor			
Drinking Fountains			
Spouts no higher than 36" from floor to outlet			
Hand operated push button or level controls			
Spouts located near front with stream of water as parallel to front as possible			
If recessed, recess a minimum 30" width, and no deeper than depth of fountain			
If no clear knee space underneath, clear floor space 30" x 48" to allow parallel approach			
Telephones			None
Highest operating part a maximum 54" above the floor			
Access within 12" of phone, 30" high by 30" wide			
Adjustable volume control on headset so identified			
SIGNS, SIGNALS, AND SWITCHES			None
Specification	*Yes*	*No*	*Comments/Transition Notes*
Switches, Controls and Signs			*None*
Switches and controls for light, heat, ventilation, windows, fire alarms, thermostats, etc., must be a minimum of 36" and a maximum of 48" above the floor for a forward reach, a maximum of 54" for a side reach			
Electrical outlets centered no lower than 18" above the floor			
Warning signals must be visual as well as audible			
Signs			
Mounting height must be 60" to centerline of the sign			
Within 18" of door jamb or recessed			
Letters and number at least 1 1/4" high			
Letters and numbers raised .03"			
Letters and numbers contrast with the background color			
NOTES			

LOCATION:	Washington Park		
SWIMMING POOLS - accessibility can be via ramp, lifting device, or transfer area			
Specification	***Yes***	***No***	***Comments/Transition Notes***
Ramp at least 34" wide with a non-slip surface extending into the shallow end, slope not exceeding 1:6 with handrails on both sides			
Lifting device			
Transfer area 18" above the path of travel and a minimum of 18" wide			
Unobstructed path of travel not less than 48" wide around pool			
Non-slip surface			
SHOWER ROOMS - Showers must accommodate both wheel-in and transfer use			
Specification	***Yes***	***No***	***Comments/Transition Notes***
Stalls 36" by 60" minimum, with a 36" door opening			
Floors are pitched to drain the stall at the corner farthest from entrance			
Floors are non-slip surface			
Controls operate by a single lever with a pressure balance mixing valve			
Controls are located on the center wall adjacent to the hinged seat			
Shower heads attached to a flexible metal hose			
Shower heads attached to wall mounting adjustable from 42" to 72" above the floor			
Seat is hinged and padded and at least 16" deep, folds upward, securely attached to side wall, height is 18" to the top of the seat, and at least 24" long			
Soap trays without handhold features unless they can support 250 pounds			
2 grab bars are provided, one 30" and one 48" long, or one continuous L shaped bar			
Grab bars are placed horizontally at 36" above the floor line			
PICNICKING			
Specification	***Yes***	***No***	***Comments/Transition Notes***
space under the table top not less than 30" wide and 19" deep per seating space and not less than 27" clear from the ground to the underside of the table. An additional 29" clear space (totaling 48") must extend beyond the 19" clear space under the table to provide access		X	Add accessible table
For tables without toe clearance, the knee space under the table must be at least 28" high, 30" wide and 24" deep.		X	
Top of table no higher than 32" above ground	X		
Surface of the clear ground space under and around the table must be stable, firm and slip-resistant, and evenly graded with a maximum slope of 2% in all directions		X	
Accessible tables, grills, and fire rings must have clear ground space of at least 36" around the perimeter			N/A
NOTES			

Date:	08/01/19	Location: Washington Park		Schedule of Changes		
				(pending appropriate levels of funding)		
		Physical Barriers	Necessary Changes	Changes to be implemented by the end of FY...	Yearly schedule of Changes (if the Transition Plan is more than 1 year long)	Responsible Person
1.0	Activities & Equipment:	No accessible playground equipment	Add accesible features		Identify Funding Source	ADA Coord
2.0	Parking/Ramps:	Only 2 accessible spaces	Add 2 additional accessible spaces	2021		ADA Coord
2.1						
2.2						
2.3						
3.0	Site Access, Path of Travel, Entrances:					
3.1	Entrance:					
4.0	Stairs & Doors:					
5.0	Restrooms:	Only standard portable toilets	Add accessible portable toilet	2020		ADA Coord
6.0	Floors, Drinking Fountains, Telephones, Signs, Switches, & Signals:					
7.0	Swimming Pools & Picnicking:	No accessible picnic tables	Add accessible picnic table	2021		ADA Coord

in the presence of an authorized management employee. No information shall be released from an employee's file unless written authorization is received from the employee.

EQUAL EMPLOYMENT OPPORTUNITY

In 1972, the federal government enacted the Equal Employment Opportunity Act (EEOA) to govern the actions of municipalities in the areas of civil rights. The intent of this act is identical to the Town's policy. The Equal Employment Opportunity policy of the Town is:

> It shall be the policy of the Town of Groveland to guarantee equal opportunity to all qualified applicants and to all employees with respect to initial appointment, advancement, compensation, and general working conditions without regard to age, race, creed, color, sex, national origin, sexual preference, or physical condition.

The Equal Employment Opportunity Policy of the Town is to actively seek the goals of this policy, and not to passively react to any possible violations. All employees are expected to cooperate fully in complying with and implementing the EEOA. In accordance with the Equal Employment Opportunity guidelines, the Town has adopted an Affirmative Action plan to assure meaningful employment opportunities with the Town to all segments of the community.

RECRUITMENT

Recruitment of prospective employees shall be conducted in a non-discriminatory manner and in accordance with the Town's Affirmative Action Plan, which is attached as Appendix A to these policies.

With the approval of the appointing authority, a department head seeking to fill a position shall post a notice of vacancy for the position. The notice will include the job title, initial rate of pay or pay range, summary statement of duties, minimum qualifications relating to education, skills, or experience, directions for submitting applications, and deadline for receipt of applications. Deadline for receipt of applications will be no sooner than ten (10) days after posting. The notice will be posted in the Town Hall. Employment advertising in a local newspaper shall be used to attract qualified candidates and in particular to help meet the Town's affirmative action goals.

In emergency situations, temporary employees may be hired for a period not to exceed 30 days without posting or advertisement of the vacancy.

All applicants for employment will complete an official employment application form which shall be retained by the Personnel Officer. The form will include a statement signed by the applicant certifying to the truthfulness and accuracy of all information provided on the form.

Demotion for Cause When the employee's ability is impaired to the extent that he/she is unable to perform his/her assigned duties, but not hampered to the extent that he/she is able to work at a lower paid related duties, a department head may demote the individual after consultation with the Board of Selectmen. As in other disciplinary action, grounds shall be stated in a letter to the affected employee. A copy shall be sent to the Personnel Officer's Office for inclusion in the employee's personnel file.

Dismissal Dismissal is the most severe and permanent form of disciplinary action, and as such, should be exercised with care and considerable prior thought. Any department head who proposes to dismiss an employee shall consult in detail with the Board of Selectmen prior to taking any action. Once it is decided to dismiss an employee, the department head shall, within one (1) working day after the dismissal, provide the employee with a written notice informing the affected employee of his/her right to appeal through the grievance procedure as stated in this manual. This letter may be hand delivered by the department head or sent by certified mail, receipt requested. The letter of dismissal shall be effective immediately.

Within one (1) working day after the dismissal, the employee shall be given written notice stating the specific reason(s) for the dismissal. The employee shall also be informed of his/her right to appeal through the grievance procedure as stated in this manual. A copy of the written notice to the employee shall be placed in his/her central personnel file. Dismissal is automatic when an employee is absent for five consecutive days without notifying his/her department head. In unusual cases in which the employee could not have contacted a representative of the Town, reinstatement may be arranged with the Board of Selectmen. The situations where an employee has committed a violation of Town policies or a violation of federal, state or local laws, dismissal of an employee may be warranted. The Town reserves the right to conduct an internal investigation with regard to the offense to determine whether the nature of the offense makes it inappropriate for the individual to continue in the employ of the Town.

GRIEVANCE PROCEDURE

It is the policy of the Town to provide an effective and acceptable means for employees to bring problems and complaints concerning their well being at work to the attention of their supervisors. Therefore, a grievance procedure is established for the benefit and use of employees. When an employee feels aggrieved, he or she shall be allowed to follow all the steps of the grievance procedure with freedom from reprisal. However, this procedure does not confer the right upon anyone to make slanderous or libelous statements, or to take any other actions otherwise prohibited by law.

Any employee who has completed the probationary period who believes that he or she has not received equitable treatment concerning some condition of employment, including administration of these policies, may seek review of his or her complaint. A complaint must first be brought to the attention of the employee's direct supervisor. If the employee is not satisfied with the result results of the discussion with the supervisor, he or she may bring the matter to the attention of the department head.

If the employee is not satisfied with the results of the review by the supervisor or department head, he or she may submit the complaint in writing to the Board of Selectmen. The Board will conduct an investigation into the facts alleged in the grievance, and will meet with the employee. The Board will make every effort to resolve the grievance promptly and fairly. If the Board is unable to resolve the grievance to the employee's satisfaction within fourteen (14) days of meeting with the employee, the Board will provide the employee with a written statement of its position within an additional seven (7) days.

If submitting the complaint to the Board (already designated as the third step) presents a conflict because the issue involves a dispute between an employee and the Board or a Board member, the grievance shall be brought before a 3-member panel made up of one party chosen by the Board, one party chosen by the employee from the work force, and one other party mutually agreed upon by the Board and the employee. The panel will issue an opinion on the validity of the grievance within 14 days, together with any recommendations to end the disagreement.

A grievance shall be any action focusing on a disagreement between the Town and its employees relating to application or interpretation of the Personnel Bylaw or the Personnel Procedures Manual. Complaints by an employee relating to his/her employment which include, but are not limited to, the following:

- Disciplinary actions of any kind;
- Concerns regarding the application, meaning or interpretation of personnel policies, procedures, rules and regulations;
- Acts of reprisal as the result of utilization of the grievance procedure;
- Complaints of discrimination of the basis of race, color creed, national origin, sex, age, handicap or political affiliation. Sexual Harassment is considered a form of sexual discrimination;
- Complaints of personal harassment by supervisory personnel.

Complaints shall be non-grievable where they involve the following:

- The creation, establishment or revision of wage and salary tables, position classifications, and general benefits accorded to employees;
- Work activity accepted by the employee as a condition of employment or work activity which may be reasonably expected to be a part of the job content;
- The contents of statutes or established personnel policies, procedures, rules and regulations;
- Failure to promote or to fill a vacancy through recall, except where the employee can show established promotional procedures were not followed or fairly applied;
- The methods, means scheduling, and staffing by which work activities are to be carried out;

- Discharge, demotion, layoff or suspension from duties because of lack of work, reduction in the work force or job abolition; or
- Resignation, employee requested demotion or transfer.

In the event that either the employee, immediate supervisor, or the department head raises a question as to whether the grievance deals with a matter properly with the scope of this grievance procedure, the matter shall be referred to the Personnel Board, who shall render an opinion within twenty-one (21) working days. The decision of the Personnel Board shall be binding on all parties.

Exclusions

Nothing in this procedure is intended to circumscribe or modify the existing rights of the Town to do the following, provided that none of these rights may be exercised in an arbitrary or capricious manner:

- Direct the work of its employees;
- Hire, promote, transfer non-punitively, assign and retain employees in positions within the department;
- Demote or dismiss employees for proper cause;
- Maintain the efficiency of governmental operations;
- Relieve employees from duties because of lack of work or for other legitimate reasons;
- Take actions as may be necessary to carry out the duties of an agency in emergencies;
- Determine the methods, means and staffing by which operations are to be carried on; and
- Assign job classifications to pay ranges.

Employees with probationary, temporary and part-time without benefits appointments are not deemed to have vested employment rights and may not use the grievance procedure to appeal suspension, demotions, dismissals or other disciplinary actions or decisions regarding the continuation of their employment status unless the employee can substantiate such actions were discriminatory on the basis of race, color, creed, national origin, sex, age, handicap or political affiliation.

EMPLOYEE CONDUCT

Employees are expected to keep in mind that they are public employees and are to conduct themselves in a manner which credits the Town, public officials and fellow employees. Town employees are prohibited from engaging in any conduct which could reflect unfavorably upon the town service. Town employees must avoid any action which might result in, or create the impression of using public office for private gain or giving preferential treatment to any person. All employees of the Town shall adhere to the following rules of conduct:

Town of Groveland
Board of Selectmen

183 Main Street
Groveland, MA 01834
Tel: 978-556-7207
Fax: 978-469-5000

William F. Dunn, Chair
Edward H. Watson, Vice Chair
Kathleen S. Kastrinelis
William G. O'Neil
Michael N. Wood

Selectmen@grovelandma.com

June 25, 2019

Sam Joslin
1 Wayne Street
Bradford, MA 01834
sjoslin@grovelandma.com

Dear Sam,

Please be advised that the Board of Selectmen voted at their meeting on Monday, June 24, 2019 to reappoint you as the ADA Coordinator. Said appointment is effective July 1, 2019 through June 30, 2020. This position is an annual appointment and you will be up for renewal effective July 1, 2020.

Please stop by the Town Clerk's Office so that she may complete the official recording of your appointment. Her office hours are Mondays 8:00a.m. to 8:00p.m., Tuesday through Thursday 8:00a.m. to 4:00p.m., and Friday 8:00a.m. to 12:00p.m. At that time, you will be required to submit a signed certificate of receipt, stating that you have received, read, and understand the Massachusetts Open Meeting Law. The O.M.L. Guide (revised October 6, 2017) and certificate of receipt were either mailed or sent as email attachments along with this letter.

Thank you for volunteering to serve on the ADA Coordinator. If you have any questions or comments, please don't hesitate to contact me.

Sincerely,

Kaitlin Gilbert
Administrative Assistant

Cc: Elizabeth Cunniff, Town Clerk
Denise Dembkoski, Finance Director

APPENDIX E

Groveland Wells No. 1 & 2 Superfund Site Groveland, MA

U.S. EPA | HAZARDOUS WASTE PROGRAM AT EPA NEW ENGLAND



THE SUPERFUND PROGRAM *protects human health and the environment by investigating and cleaning up often-abandoned hazardous waste sites and engaging communities throughout the process. Many of these sites are complex and need long-term cleanup actions. Those responsible for contamination are held liable for cleanup costs. EPA strives to return previously contaminated land and groundwater to productive use.*

INTRODUCTION:

The Groveland Wells Nos. 1 and 2 Superfund Site (the "Site") is located in Groveland, Massachusetts within the Johnson Creek drainage basin. Johnson Creek is a tributary to the Merrimack River. The Site contains nearly 850 acres, mostly located in the southwestern part of the Town of Groveland.

The Site is bounded to the west by Washington Street and the former Haverhill Municipal Landfill, to the south by Salem Street, to the east by School Street, and to the north by the Merrimack River (See Figure 1 - Site Locus Plan).

There are several small creeks and brooks flowing through the Site, including Johnson Creek, Argilla Brook, and Brindle Brook. There are limited wetland areas at the Site, and a portion of the Site lies within the 100-year floodplain delineated by the Federal Emergency Management Agency (FEMA).

Land uses within the Site boundaries include numerous private residences, town-owned land, some industries and small businesses, a solar array, and religious and community institutions. One of the Town's current municipal water supply wells, Station No. 1, and a former municipal supply well (Station No. 2) are located within the Site boundaries. The Site encompasses the approximate limits of the stratified drift aquifer that serves as the source of water for the current and former municipal supply wells. Groundwater generally flows to the north through the Site toward the Merrimack River.

SITE HISTORY/ CONTAMINATION PROBLEMS

The main source of contamination was determined to be from activities at the former Valley Manufactured Products Company (Valley), located on Washington Street, where metal parts, screws and cable connectors had been made since 1963. The manufacturing process involved lathing, degreasing, and finishing of metal parts. Hazardous wastes generated included waste oil from the machining/lathing operations and halogenated

continued >

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LEARN MORE AT:
http://www.epa.gov/superfund/groveland

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solvents from the degreasing operations. Hazardous substances that were released included cutting oils, mineral spirits, trichloroethylene (TCE), volatile organic compounds (VOCs), and acid bath wastes.

Between 1964 and possibly as late as 1974, waste oils containing TCE were disposed of onto the ground at the south side of the building. In 1979, at least 500 gallons of pure TCE were reported to have been released from an underground storage tank into the soil beneath a concrete slab located at the south end of the building. These releases migrated to groundwater beneath the Valley property and eventually contaminated the aquifer that supplied the town of Groveland's drinking water, causing Groveland to shut down the two municipal wells.

In 1987, EPA completed installation of an interim treatment system for Station No. 1 (wellhead treatment) to remove VOCs. The well water was treated until April of 1994 when MassDEP approved discontinuing wellhead treatment because contamination was no longer detected at measurable concentrations in the well, indicating that the TCE plume was no longer impacting the well. Station No. 1 is still used, while Station No. 2 was permanently shut down and abandoned by the Town.

In 1987, under an Administrative Order with MassDEP, Valley installed and operated the Mill Pond recovery and air stripper treatment system, which was located approximately a half-mile upgradient of Station No. 1. The system was put into place to intercept the most highly contaminated portion of the TCE plume. This was an interim remedial step while EPA developed a more permanent long-term cleanup.

In 1996, based on additional sampling of the contaminated groundwater, EPA decided to re-design and relocate the extraction system to treat the more highly contaminated portion of the groundwater contaminant plume in the southern portion of the Site near the Valley property. The less contaminated northern portion of the groundwater plume was to be cleaned up through monitored natural attenuation (MNA). Natural attenuation is a process whereby various naturally occurring microorganisms in the soil and groundwater continue to break down the contaminants that remain in the groundwater. Monitoring is performed on a regular basis to make sure that concentrations of contaminants continue to decline.

Construction of the groundwater treatment facility (GWTF) began in the fall of 1999 and the system began operating in April of 2000. The GWTF was built on the Archdiocese of Boston property located behind the Valley building. EPA operated and maintained the groundwater treatment system from 2000-2011. During this time, the system removed more than 1,130 pounds of total VOCs and pumped more than 4 million gallons of groundwater.

After nearly 10 years of treatment, the groundwater and soil contamination levels remained high in the Valley source area. To address this contamination, EPA funded and oversaw the construction and operation of a thermally-enhanced soil vapor extraction system. This process removed VOCs (primarily TCE) from the soil and groundwater with treatment of contaminants by the GWTF. The process, called Electrical Resistive Heating (ERH), operated from August 2010 through February of 2011, removing the following:

- More than 1,300 pounds of VOCs;
- 18 gallons of non-aqueous phase liquids (NAPL);
- 311 million cubic feet of vapors; and
- 2 million gallons of groundwater and contaminated condensate.

SUMMARY OF EPA & MASSDEP ACTIVITIES JUNE 2011 THROUGH APRIL 2014

Starting on June 1, 2011, MassDEP took over operation and maintenance (O&M) of the groundwater treatment facility (GWTF). It was expected that the groundwater treatment system would continue to operate until the groundwater clean-up levels or other protective levels were met.

In May of 2012, EPA completed an optimization review of the GWTF. An optimization review considers the goals of the remedy; available site data; conceptual site model (CSM); remedy performance, protectiveness, and cost-effectiveness; and closure strategy. The optimization report included recommendations based on the following categories:

- Protectiveness
- Cost-effectiveness
- Technical improvement
- Site closure
- Environmental footprint reduction

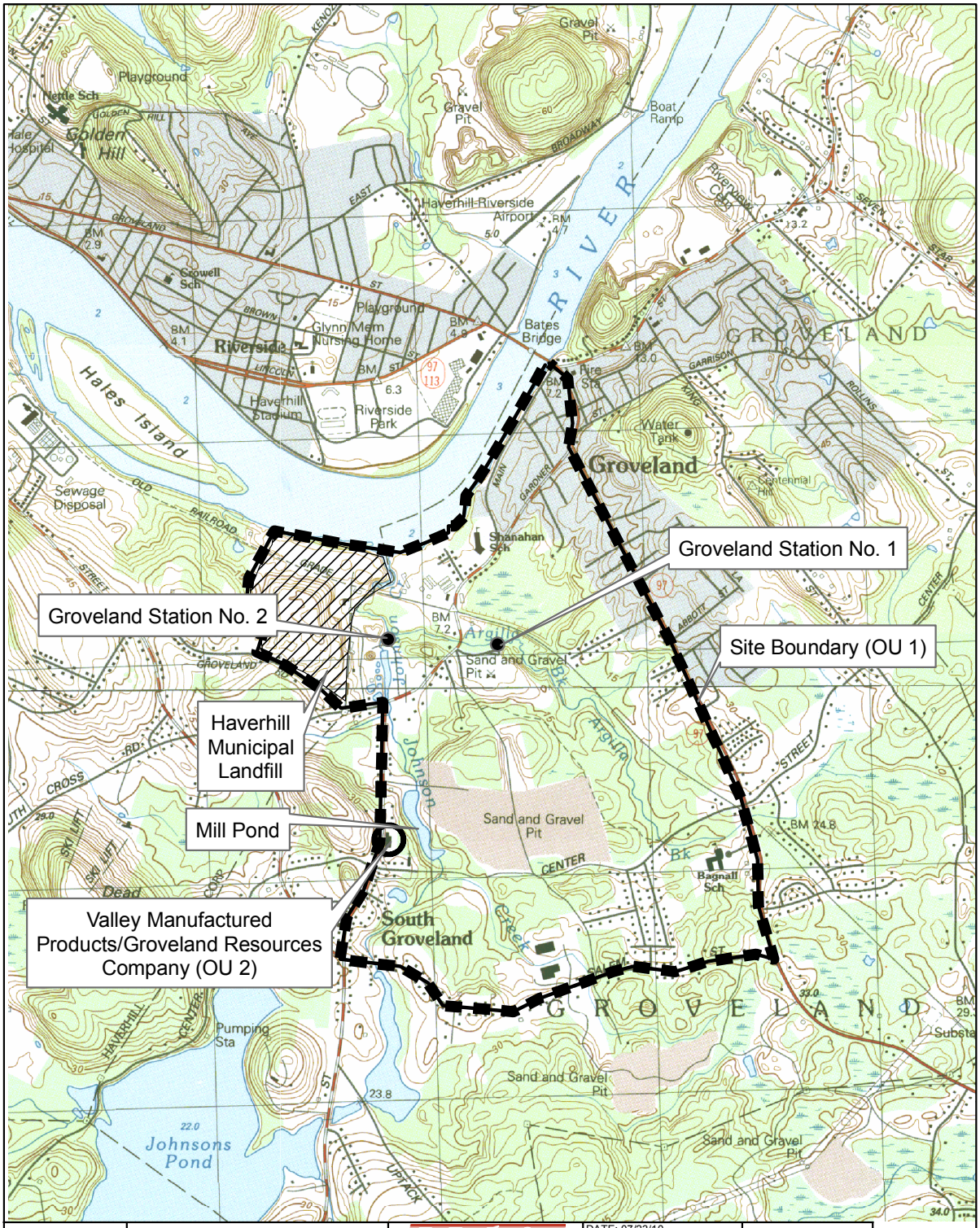


FIGURE 1	GROVELAND WELLS SITE GROVELAND, MA SITE LOCUS PLAN	Nobis Nobis Engineering, Inc. 585 Middlesex Street Lowell, MA 01851 (978) 683-0891 *www.nobisengineering.com*	DATE: 07/23/10 PROJECT NO. 80012 FILE NAME: Site Locus Plan.mxd PREPARED BY: AR CHECKED BY: DB Approximate Scale 1"=1,500'	UNITED STATES ENVIRONMENTAL PROTECTION AGENCY	N

Two of the key findings of the Optimization were as follows:

- Due to more than 10 years of GWTF operation, the plume extent has been significantly reduced to the source area and the 500 feet of aquifer immediately downgradient of the source area.
- Due to ERH operation, the vast majority of source area contamination has been removed, and the TCE concentrations in groundwater have also been substantially reduced.

The report recommended going from semi-annual groundwater monitoring to monthly in order to evaluate the decline in contaminant levels and the possible shut down of the GWTF within a year, based on specific shutdown criteria (specific concentrations in different areas of the Site). If a determination was made to shut down the GWTF, continued monitoring would show whether there was any rebound of contaminant levels after the shutdown. MassDEP conducted monthly sampling of the groundwater between May and December 2013. In December 2013, EPA issued a Technical Memorandum: *Decision Framework for Pump and Treat (P&T) Shutdown Based on Optimization Review Groveland Wells Numbers 1 and 2 Superfund Site,* which recommended shutting down the GWTF.

MassDEP continued to monitor the groundwater on a monthly basis; results indicated that the concentrations of contaminants continued to meet the shutdown criteria. In May of 2014, based on the monthly sampling data collected in 2013 and 2014, MassDEP (with approval from EPA) stopped P&T operations. However, the treatment equipment remains on-site within the treatment building while MassDEP continues to make sure that the concentrations do not increase to levels that are above the shutdown criteria.

Following the shutdown of the GWTF, MassDEP implemented a groundwater monitoring program that included quarterly sampling of groundwater monitoring wells and extraction wells. Results from quarterly groundwater sampling events are used to evaluate any changes in the remaining contaminant plume and to ensure there are no impacts to Station No. 1.

SUMMARY OF ACTIVITIES SINCE SHUTDOWN OF THE GWTF (MAY 2014)

The decision to shut down the groundwater treatment facility was based on the performance of the Electrical Resistance Heating portion of the remedy that removed a large mass of contamination from the Valley property (the source area of contamination), and declining concentrations of VOCs detected in various monitoring wells around the Site. The cleanup remedy for the Site then shifted from pumping and treating contaminated groundwater with Monitored Natural Attenuation (MNA) to just MNA for the remaining residual contamination. Periodic monitoring of the microorganisms and quarterly testing of various monitoring wells throughout the Site for VOCs will continue for a period of time to determine if the contaminant concentrations continue to decline.

MassDEP and EPA anticipate that three years of quarterly data will be sufficient to demonstrate that concentrations at the Site will not rebound, thus not requiring a restart of the GTWF. If the data continue to support this conclusion, MassDEP will dismantle and "surplus" the equipment in the facility, and the building will be transferred to the owner of the property, the Archdiocese of Boston. This activity may occur in 2017.

Once the equipment has been removed from the building, MassDEP will continue to monitor the groundwater at the Site until the groundwater standards and protective levels have been met within the area that comprises the aquifer for the Station No. 1 (Zone II). The Valley property has had restrictions placed upon it to prevent anyone from disturbing the soil (which still has some amount of contamination in it), or installing a drinking water well on the property. Additionally, the Town of Groveland and the Archdiocese of Boston have placed similar restrictions on two of the properties adjacent to the Valley property as long as contamination remains above soil or groundwater cleanup goals.

Under the Safe Drinking Water Act, the Town samples the supply wells to ensure that the water meets all protective standards. In addition to sampling conducted by the Town, MassDEP collects groundwater samples from two "sentinel" wells on a quarterly basis. The two sentinel wells are located between the source area and Station No. 1 to detect any contamination prior to its reaching the Town well. As of July 2016, the two wells have not had detectable levels of contamination.

APPENDIX F

Massachusetts Department of Environmental Protection

Source Water Assessment and Protection (SWAP) Report

for

Groveland Water Department

What is SWAP?

The Source Water Assessment Program (SWAP), established under the federal Safe Drinking Water Act, requires every state to:

- inventory land uses within the recharge areas of all public water supply sources;
- assess the susceptibility of drinking water sources to contamination from these land uses; and
- publicize the results to provide support for improved protection.

Susceptibility and Water Quality

Susceptibility is a measure of a water supply's potential to become contaminated due to land uses and activities within its recharge area.

A source's susceptibility to contamination does *not* imply poor water quality.

Water suppliers protect drinking water by monitoring for more than 100 chemicals, disinfecting, filtering, or treating water supplies, and using source protection measures to ensure that safe water is delivered to the tap.

Actual water quality is best reflected by the results of regular water tests. To learn more about your water quality, refer to your water supplier's annual Consumer Confidence Reports.

Table 1: Public Water System Information

PWS Name	Groveland Water Department
PWS Address	183 Main Street
City/Town	Groveland, Massachusetts 01834
PWS ID Number	3116000
Local Contact	Glenn Smith - Superintendent
Phone Number	978-372-4144

Introduction

We are all concerned about the quality of the water we drink. Drinking water wells may be threatened by many potential contaminant sources, including storm runoff, road salting, and improper storage, use and disposal of hazardous materials. Citizens and local officials can work together to better protect these drinking water sources.

Purpose of this report:
This report is a planning tool to support local and state efforts to improve water supply protection. By identifying land uses within water supply protection areas that may be potential sources of contamination, the assessment helps focus protection efforts on appropriate best management practices (BMPs) and drinking water source protection measures.

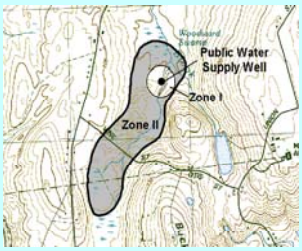
Refer to Table 3 for Recommendations to address potential sources of contamination. Department of Environmental Protection (DEP) staff are available to provide information about funding and other resources that may be available to your community.

This report includes the following sections:

1. Description of the Water System
2. Land Uses within Protection Areas
3. Source Water Protection
4. Appendices

What is a Protection Area?

A well's water supply protection area is the land around the well where protection activities should be focused. Each well has a Zone I protective radius and a Zone II protection area.



Glossary

Aquifer: An underground water-bearing layer of permeable material that will yield water in a usable quantity to a well.

Hydrogeologic Barrier: An underground layer of impermeable material (i.e. clay) that resists penetration by water.

Recharge Area: The surface area that contributes water to a well.

Zone I: The area closest to a well; a 100 to 400 foot radius proportional to the well's pumping rate. This area should be owned or controlled by the water supplier and limited to water supply activities.

Zone II: The primary recharge area for the aquifer. This area is defined by hydrogeologic studies that must be approved by DEP. Refer to the attached map to determine the land within your Zone II.

Section 1: Description of the Water System

Zone II: **344** ***Susceptibility:*** High

Well Name	***Source ID#***
Main Street GP Well #1	3116000-01G

Zone II#: **355** ***Susceptibility:*** High

Well Name	***Source ID#***
GP Well #3 Merrimack R.	3116000-03G
GP Well #4 Merrimack R.	3116000-04G

The Town of Groveland's Water System (Groveland) is supplied by three (3) wells that draw water from various locations throughout Groveland. The three (3) wells are located in two separate Zone IIs (refer to attached Source Water Assessment Program maps for individual well locations). Each well has a Zone I radius of 400 feet. The wells are located in aquifers with high vulnerability to contamination due to the absence of hydrogeologic barriers (i.e. clay) that can prevent contaminant migration. Please refer to the attached map of the Zone II.

For current information on monitoring results and treatment, please contact the Public Water System contact person listed above in Table 1 for a copy of the most recent Consumer Confidence Report. Drinking water monitoring reporting data is also available on the web at http://www.epa.gov/safewater/ccr1.html.

Section 2: Land Uses in the Protection Areas

The land uses for both of Groveland's Zone IIs consist primarily of a mixture of residential, forested, industrial, and open land uses (refer to attached map for details). Land uses and activities that are potential sources of contamination are listed in Table 2, with further detail provided in the Table of Regulated Facilities and Table of Underground Storage Tanks in Appendix B.

Key issues include:
1. Residential Land Uses and Activities
2. Local Businesses
3. Federal Superfund Site and Oil or Hazardous Material Contamination Sites
4. Comprehensive Wellhead Protection Planning

The overall ranking of susceptibility to contamination for Groveland is high, based on the presence of at least one high threat land use within the Zone II, as seen in Table 2.

1. Residential Land Use and Activities - If managed improperly, household hazardous waste, septic systems, lawn care, and pet waste can all contribute to groundwater contamination. Hazardous materials may include automotive wastes, paints, solvents, pesticides, fertilizers, and other substances. If a septic system fails or is not properly maintained, it could be a potential source of microbial contamination. Fertilizers and pesticides contain hazardous chemicals that can travel through the soil and contaminate ground water if over-applied. Pet waste may contain bacteria, parasites, or viruses that are a health risk. Water supplies may also be threatened from improper use or disposal of chemical products used in homes or businesses. Educating residents and businesses on proper disposal of these materials is the best defense against pollution.

Residential Recommendations - Household Hazardous Waste:

- ✓ **Proper Disposal -** Educate residents on the problem of disposing of hazardous materials in landfills, septic systems, wastewater treatment plants, storm drains, and on the ground. Encourage residents to participate in the Town of Groveland's annual Household Hazardous Waste Collection Day. The Town of Groveland accepts pesticides, fertilizers, acids, harsh cleaners, oil paints, alkaline, and paint cleaners for recycling during this annual collection.
- ✓ **Alternative Products -** Provide residents with information on options that are available to substitute less hazardous substances for many products used in the home.

Residential Recommendations - Septic systems:

- ✓ **System Care** - Educate residents on private septic systems about using cleaning compounds that are safe for the septic system, on proper disposal practices, i.e. only sanitary waste in the septic system. Information on septic systems can be found at Massachusetts Department of Environmental Protections website http://www.state.ma.us/dep/brp/files/yoursyst.htm.
- ✓ **Proper Disposal** - Residents should dispose of used oil, antifreeze, paints, and other household chemicals properly - not in septic systems.

Residential Recommendations - Lawn Care and Landscaping:

- ✓ **Environmentally Sound Lawn Care** - Provide educational materials to residents about the proper application of pesticides or fertilizers. Landscape with native grasses, native flowering plants and trees and shrubs. Once established native plants require less water and may not require fertilizer, herbicide or pesticide use. Encourage the use of native plants and landscaping by establishing a demonstration area at a town facility. Information on environmentally sound lawn care practices can be obtained from the Massachusetts Department of Food and Agriculture Pesticide Bureau's website at http://www.massdfa.org.

Residential Recommendations - Heating Oil Tanks:

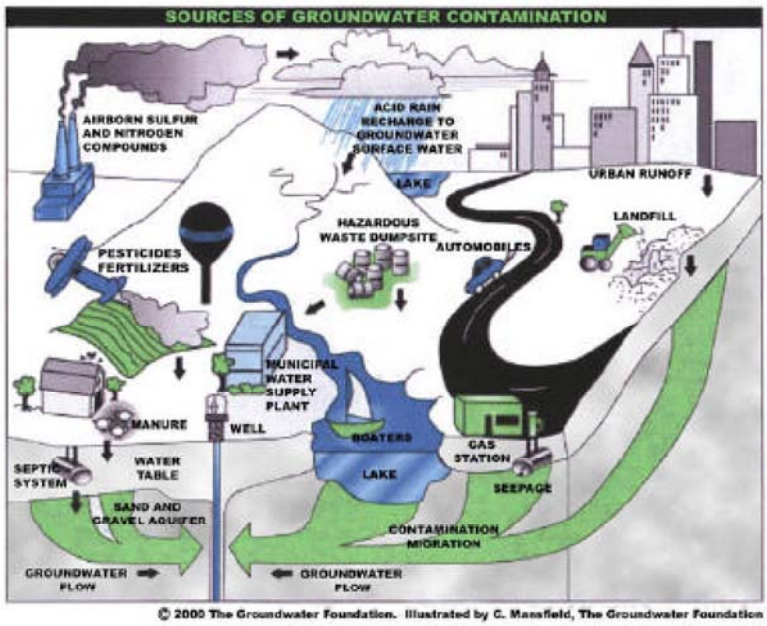
- ✓ **Aboveground Storage Tanks** - Provide educational materials to residents regarding the proper storage of liquid petroleum products in aboveground storage tanks. The Department requires all Wellhead protection zoning and non zoning controls to prohibit the siting of liquid petroleum products storage in Zone II unless such storage is aboveground, on an impervious surface and either in a container or in an aboveground tank within a building, or in an area that has a containment system designed and operated to hold either 10 percent of the total possible storage capacity of all containers, or 110% of the largest container storage capacity whichever is greater.

Benefits of Source Protection

Source Protection helps protect public health and is also good for fiscal fitness:

- Protects drinking water quality at the source
- Reduces monitoring costs through the DEP Waiver Program
- Treatment can be reduced or avoided entirely, saving treatment costs
- Prevents costly contamination clean-up
- Preventing contamination saves costs on water purchases, and expensive new source development

Contact your regional DEP office for more information on Source Protection and the Waiver Program.



Consult with the local fire department for any additional local code requirements regarding aboveground storage tanks. A fact sheet on basement or outside oil tank can be obtained from the Barnstable County Department of Health And Environment at http://www.CapeCod.net/bcdhe/oil/oil.htm.

2. Local Businesses – Because many small businesses and industries use hazardous materials, produce hazardous waste products, and often store large quantities of petroleum products, there is the potential for degrading water quality. Educating the business community about drinking water protection, and encouraging partnerships between businesses, water suppliers, and communities will enhance successful public drinking water protection practices.

Local Businesses - Recommendations:



- ✓ **Hazardous Materials Program** - Support the development and implementation of a hazardous materials program that includes a Bylaw or Health Regulation. Such a program educates businesses on hazardous material management requirements, explicitly informs the business community what is expected of them, and decreases the potential future liability businesses may be unknowingly creating for themselves. A local program lets the town serve as a consultant, helping businesses protect themselves. See DEP's website for additional information on developing a program for hazardous materials management at http://www.state.ma.us/dep/brp/dws/files/hazmat.doc
- ✓ **Inspection Program** – Coordinate efforts with local officials and the other water districts in the development and implementation of an Inspection Program that is usually conducted by the local Board of Health to prevent hazardous substances from entering water supplies. Inspections target facilities that generate, use, store, or disposal of hazardous/toxic materials. Programs can also include floor drain inspections and underground storage tanks. Local inspection programs often provide educational material and technical assistance on Best Management Practices. Building Inspectors are often involved in local inspection programs.
- ✓ **Hazardous Materials** - Work with local businesses to encourage training on proper hazardous material use, disposal, and emergency response. Refer to the attached list of resources for more information on hazardous material BMPs.
- ✓ **Storage Tanks** - Support your local fire department in upgrading all above and below ground oil/hazardous material storage tanks in order to meet current construction standards. Funding for replacing underground storage tanks is available through the MA Department of Revenue. For more information, refer to http://www.dor.state.ma.us/ust/ust_home.htm
- ✓ **Register Hazardous Waste Generators** - Work with local businesses to register those facilities that are unregistered generators of hazardous waste or waste oil.
- ✓ **Monitor Land Uses -** Work with the Selectmen, Board of Health and Planning Board to monitor land uses within and proximal to the Zone II. Refer to the Wellhead Protection Plan guidance and model bylaws at http://www.state.ma.us/dep/brp/dws/files/whplan.doc for types of activities that should be prohibited and managed in the vicinity of public or private water supplies.
- ✓ **Lawn care and Landscaping** - Encourage local businesses to incorporate Best Management Practices (BMPs) for the use of fertilizer, herbicides and pesticides. For more information, refer to http://www.massdfa.org/pesticides/publications/IPM_kit_for_bldg_mgrs.pdf
- ✓ **Office of Technical Assistance** - For additional help regarding environmental requirements and toxic use reduction approaches to compliance contact the Office of Technical Assistance (OTA) for Toxic Use Reduction. The OTA is a nonregulatory agency within the Commonwealth's Executive Office of Environmental Affairs. OTA provides free, confidential assistance on toxic use reduction opportunities. http://www.state.ma.us/ota/

3. Federal Superfund Site and Oil or Hazardous Material Contamination Site -The Zone II contains a United States Environmental Protection Agency (USEPA) Superfund Site that is associated with a DEP Tier Classified Oil and/or Hazardous Material Release Site indicated on the map as Release Tracking Number 3-0000321, and a DEP Tier Classified Oil and/or Hazardous Material Release Site indicated on the map as Release Tracking Number 3-0015192 . Refer to the attached map and Appendix 3 for more information.

What are "BMPs?"

Best Management Practices are structural (i.e. oil & grease trap catch basins), nonstructural (i.e. hazardous waste collection days) or managerial measures that are used to protect and improve surface water and groundwater quality.

Federal Superfund Site and Oil or Hazardous Material Contamination Site Recommendation:

- ✓ Monitor progress on any ongoing remedial action conducted for the known Superfund site and oil or hazardous material contamination site.

For more information refer to the attached map, Appendix C, and the Bureau of Waste Site Cleanup's website at http://www.state.ma.us/dep/bwsc/sitelist.htm

Potential Source of Contamination vs. Actual Contamination

The activities listed in Table 2 are those that typically use, produce, or store contaminants of concern, which, if managed improperly, are potential sources of contamination (PSC).

It is important to understand that a release may never occur from the potential source of contamination provided facilities are using best management practices (BMPs). If BMPs are in place, the actual risk may be lower than the threat ranking identified in Table 2. Many potential sources of contamination are regulated at the federal, state and/or local levels, to further reduce the risk.

Table 2: Land Use in the Protection Areas (Zones I and II)

For more information, refer to Appendix 2: Regulated Facilities within the Water Supply Protection Area

Activities	Quantity	Threat*	Zone II ID#	Potential Source of Contamination*
Agricultural				
Fertilizer Storage or Use	2	M	344, 355	Fertilizers: leaks, spills, improper handling, or over-application
Landscaping	1	M	344	Fertilizers, pesticides, and other chemicals: leaks, spills, improper handling or over application
Manure Storage or Spreading	3	H	344, 355	Manure (microbial contaminants): improper handling
Commercial				
Body Shops	2	H	344	Vehicle paints, solvents, and primer products: improper management
Gas Stations	2	H	344, 355	Automotive fluids and fuels: spills, leaks, or improper handling or storage
Service Stations/ Auto Repair Shops	3	H	344	Automotive fluids, and solvents: spills, leaks, or improper handling
Cemeteries	1	M	355	Pesticides: improper handling or over-application of, leaks or spills, and historic embalming fluids
Golf Courses	1	M	355	Fertilizers, pesticides, petroleum products and other chemicals: over-application or improper handling, spills, or leaks
Laundromats	1	L	355	Wash water: improper management
Printer And Blueprint Shops	2	M	344, 355	Printing inks and chemicals: spills, leaks, or improper handling or storage
Research Laboratories	1	M	344	Laboratory chemicals and wastes: spills, leaks, or improper handling or storage
Sand And Gravel Mining/Washing	1	M	344	Heavy equipment, fuel storage, clandestine dumping: spills or leaks
Industrial				
Chemical Manufacture Or Storage	1	H	344	Chemicals and process wastes: spills, leaks, or improper handling or storage
Hazardous Materials Storage	1	H	344	Hazardous materials: spills, leaks, or improper handling or storage
Industry/Industrial Parks	2	H	344	Industrial chemicals and metals: spills, leaks, or improper handling or storage
Machine/Metalworking Shops	3	H	344	Solvents and metal tailings: spills, leaks, or improper handling
Residential				
Fuel Oil Storage (at residences)	Several	M	344, 355	Fuel oil: spills, leaks, or improper handling
Lawn Care/Gardening	Numerous	M	344, 355	Pesticides: over-application or improper storage and disposal

Activities	Quantity	Threat*	Zone II ID#	Potential Source of Contamination*
Residential				
Septic Systems/ Cesspools	Numerous	M	344, 355	Household hazardous waste: improper disposal, and microbial contaminants
Miscellaneous				
Aboveground Storage Tanks	3	M	344, 355	Materials stored in tanks: spills, leaks, or improper handling
Large Quantity Hazardous Waste Generators	2	H	344	Hazardous materials and waste: spills, leaks, or improper handling or storage
NPDES Locations	1	L	344	Hazardous material and wastes: improper disposal
Oil or Hazardous Material Sites	2	- - -	344	Oil or hazardous materials and waste: spills, leaks, or improper handling or storage
Pipeline (sewer)	2	M	344, 355	Oil or sewage: spills or leaks
Road And Maintenance Depots	1	M	344	Deicing materials, automotive fluids, fuel storage, and other chemicals: spills, leaks, or improper handling or storage
Schools, Colleges, and Universities	1	M	344	Fuel oil, laboratory, art, photographic, machine shop, cleaning and other chemicals; over- application or improper management of fertilizers and pesticides on athletic fields; parking areas; spills, leaks, or improper handling
Small Quantity Hazardous Waste Generators	2	M	344, 355	Spills, leaks, or improper handling or storage of hazardous materials and waste
Stormwater Drains/ Retention Basins	Numerous	L	344, 355	Debris, pet waste, and chemicals in stormwater from roads, parking lots, and lawns
Superfund Sites	1	H	344	Spills, leaks, or improper handling or storage of oil or hazardous materials and waste
Transmission Line Rights-of-Way-Type: electric	2	L	344	Construction and corridor maintenance, over-application or improper handling of pesticides
Transportation Corridors	2	M	344, 355	Fuels and other hazardous materials: accidental leaks or spills, over-application or improper handling of pesticides
Underground Storage Tanks	10	H	344, 355	Petroleum products: spills, leaks, or improper handling
Utility Substation Transformers	1	L	355	Fuels and other hazardous materials: spills, leaks, or improper handling
Very Small Quantity Hazardous Waste Generator	5	L	344, 355	Hazardous materials and waste: spills, leaks, or improper handling or storage

Water Supply Protection Area % that is Sewered = Zone II ID# 344 - 1%; Zone II ID# 355 - 75%

Notes:

1.When specific potential contaminants are not known, typical potential contaminants or activities for that type of land use are listed. Facilities within the watershed may not contain all of these potential contaminant sources, may contain other potential contaminant sources, or may use Best Management Practices to prevent contaminants from reaching drinking water supplies.

2.For more information on regulated facilities, refer to Appendix B: Regulated Facilities within the Water Supply Protection Area information about these potential sources of contamination.

3.For information about Oil or Hazardous Materials Sites in your protection areas, refer to Appendix C: Tier Classified Oil and/or Hazardous Material Sites.

THREAT RANKING - The rankings (high, moderate or low) represent the relative threat of each land use compared to other PSCs. The ranking of a particular PSC is based on a number of factors, including: the type and quantity of chemicals typically used or generated by the PSC; the characteristics of the contaminants (such as toxicity, environmental fate and transport); and the behavior and mobility of the pollutants in soils and groundwater.

4. Comprehensive Wellhead Protection Planning - Protection planning prevents drinking water contamination by managing the land area that supplies water to a well. A Wellhead Protection Plan coordinates community efforts, identifies protection strategies, establishes a timeframe for implementation, and provides a forum for public participation. There are numerous resources available to help communities in developing a plan for protecting drinking water supply wells.

Protection Planning Recommendations:

- ✓ **Develop a land acquisition plan -** Land acquisition protects water supplies by limiting the land development potential. Acquisitions can be accomplished by municipal water systems through conservation restrictions, land banking, land purchases and land donations. Sample conservation restrictions are available at: http://www.state.ma.us/dep/brp/dws/. The Town of Groveland is fortunate that the Main Street Well #1 Zone II still has significant forest (refer to attached maps for percentage of forest). However, future development of this Zone II is a major concern. The Department recommends that the town acquire Zone II land closest to the Zone I or land that is subject to high-risk development (refer to Developing a local Wellhead Protection Plan).
- ✓ **Local Controls** - Coordinate efforts with local officials in Georgetown to compare existing controls with current MA Wellhead Protection Regulations 310 CMR 22.21(2). For more information on DEP land use controls see http://www.state.ma.us/dep/brp/dws/.
- ✓ **Inspection Program** - Develop and implement an Inspection Program for facilities that generate, use, store, or dispose of hazardous/toxic materials. Local Board of Health and Building Inspectors working on inspections often include floor drain and underground storage tanks. Local inspection programs can provide valuable technical assistance on Best Management Practices.
- ✓ **Develop a Wellhead Protection Plan** – Establish a local team, and refer them to http://www.state.ma.us/dep/brp/dws/ for a copy of DEP's guidance, "Developing a Local Wellhead Protection Plan".

Top 5 Reasons to Develop a Local Wellhead Protection Plan

❶ Reduces Risk to Human Health

❷ Cost Effective! Reduces or Eliminates Costs Associated With:

- Increased groundwater monitoring and treatment
- Water supply clean up and remediation
- Replacing a water supply
- Purchasing water

❸ Supports municipal bylaws, making them less likely to be challenged

❹ Ensures clean drinking water supplies for future generations

❺ Enhances real estate values – clean drinking water is a local amenity. A community known for its great drinking water in a place people want to live and businesses want to locate.

Other land uses and activities that may be potential contaminant sources include gas stations, transmission line rights-of-way, wastewater treatment facilities, oil and hazardous materials sites, and schools. Refer to Table 2 and Appendix 2 for more information about these land uses.

Identifying potential contaminant sources is an important initial step in protecting your drinking water sources. Further local investigation will provide more in-depth information and may identify new land uses and activities that are potential sources of contamination. Once potential contaminant sources are identified, specific recommendations like those below should be used to better protect the Groveland wells.

Section 3: Source Water Protection

Implementing source protection measures and Best Management Practices (BMPs) will reduce the Groveland Water Supply System's susceptibility to contamination. Additional source protection recommendations are listed in Table 3 and the Key Issues above.

Groveland is commended for promoting the following source protection measures:

- Actively inspecting industrial businesses, and pursuing and monitoring the closure of floor drains
- Adopting, through a Zoning Bylaw, a Aquifer Protection District that meets current MA Wellhead Protection Regulations 310 CMR 22.21(2)
- Conducting an on-going educational program with high school students that includes students developing an athletic field project that implemented best management practices for wellhead protection

Appendix 1 includes specific recommendations for each of the following:

➢ **Partner with Local Businesses:**

Since many small businesses and industries use hazardous materials and produce hazardous waste products, it is essential to educate the business community about drinking water protection. Encouraging partnerships between businesses, water suppliers, and communities will enhance successful public drinking water protection practices.

➢ **Provide Outre ach to the Community:**

Public education and community outreach ensure the long-term protection of drinking water supplies. Awareness often generates community cooperation and support. Residents and business owners are more likely to change their behavior if they know where the wellhead protection recharge area is located; what types of land uses and activities pose threats; and how their efforts can enhance protection.

➢ **Plan for the Future:**

One of the most effective means of protecting water supplies is planning, such as the adoption of local controls to protect watersheds and ground water. These controls may include health regulations, general ordinances, and zoning bylaws that prohibit potential sources of contamination from wellhead protection areas.
Citizens and community officials should use this SWAP report to spur discussion of local drinking water protection measures. These recommendations are only part of your ongoing local drinking water source protection.

Additional Documents:

To help with source protection efforts, more information is available by request or online at www.state.ma.us/dep/brp/dws including:

1. Water Supply Protection Guidance Materials such as model regulations, Best Management Practice information, and general water supply protection information.
2. MA DEP SWAP Strategy
3. Land Use Pollution Potential Matrix
4. Draft Land/Associated Contaminants Matrix

Section 4: Additional Resources Available for Source Protection

DEP staff, informational documents, and resources are available to help you build on this SWAP report as you continue to improve drinking water protection in your community.

The assessment and protection recommendations in this SWAP report are provided as a tool to spur community discussion, support ongoing source protection efforts, and help set local drinking water protection priorities.

The Groveland Water Department should supplement this SWAP report with local information on potential sources of contamination and land uses. To aid in the protection of the wells, local information should be maintained and updated periodically to reflect land use changes in the Zone II. Use this information to set priorities, target inspections, focus education efforts, and to develop a long-term drinking water source protection plan.

Funding Resources:

The Department's Wellhead Protection Grant Program and Source Protection Grant Program provide funds to assist public water suppliers in addressing Water Supply Source Protection through local projects. Protection recommendations discussed in this document may be eligible for funding under the Grant Program. For additional information, please refer to the program fact sheet from this year. Please note: each spring DEP posts a new Request for Response for the Grant program (RFR).

For More Information

Contact Anita Wolovick in DEP's Wilmington Office at (978) 661-7768 for more information and assistance on improving current protection measures.

Copies of this report have been provided to the public water supplier, town boards, and the local media.

Other grants and loans are available through the Drinking Water State Revolving Loan Fund, the Clean Water State Revolving Fund, and other sources. For more information on grants and loans, visit the Bureau of Resource Protection's Municipal Services web site at: http://www.state.ma.us/dep/brp/mf/mfpubs.htm.

Section 5: Appendices

1. Protection Recommendations
2. Regulated Facilities within the Water Supply Protection Area
3. Table of Tier Classified Oil and/or Hazardous Material Sites within the Water Supply Protection Areas
4. Additional Documents on Source Protection in Groveland

Table 3: Current Protection and Recommendations

Protection Measures	Status	Recommendations
Zone I		
Does the Public Water Supplier (PWS) own or control the entire Zone I?	**YES**	Follow Best Management Practices (BMP's) that focus on good housekeeping, spill prevention, and operational practices to reduce the use and release of hazardous materials.
Is the Zone I posted with "Public Drinking Water Supply" Signs?	**YES**	Additional economical signs are available from the Northeast Rural Water Association (802) 660-4988.
Is Zone I regularly inspected?	**YES**	Continue daily inspections of drinking water protection areas.
Are water supply-related activities the only activities within the Zone I?	**NO**	Continue monitoring non-water supply activities in Zone I.
Municipal Controls (Zoning Bylaws, Health Regulations, and General Bylaws)		
Does the municipality have Wellhead Protection Controls that meet 310 CMR 22.21(2)?	**YES**	The Town's "Groundwater Protection Overlay District" bylaw meets 310 CMR 22.21(2). Refer to www.state.ma.us/dep/brp/dws/ for model bylaws and health regulations, and current regulations.
Do neighboring communities protect the Zone II areas extending into their communities?	**YES**	
Planning		
Does the PWS have a Wellhead Protection Plan?	**YES**	Groveland has an Aquifer Protection Bylaw and Board of Health Floor Drain Regulation; Wetland Controls through the Conservation Commission, Planning Board and Zoning Board; and Groundwater Disposal, and Groundwater Recharge Areas regulations.
Does the PWS have a formal "Emergency Response Plan" to deal with spills or other emergencies?	**YES**	Augment plan by developing a joint emergency response plan with fire department, Board of Health, DPW, and local and state emergency officials. Coordinate emergency response drills with local teams.
Does the municipality have a wellhead protection committee?	**NO**	Establish committee; include representatives from citizens' groups, neighboring communities, and the business community.
Does the Board of Health conduct inspections of commercial and industrial activities?	**NO**	The water department conducts inspections in addition to those that are done by DEP's Bureau of Waste Prevention, and Underground Injection Control program.
Does the PWS provide wellhead protection education?	**YES**	Aim efforts at residential, commercial, and municipal uses within the Zone II.

APPENDIX A: DEP PERMITTED FACILITIES WITHIN THE GROVELAND WATER SUPPLY PROTECTION AREA

DEP FACILITY NUMBER	FACILITY NAME	STREET ADDRESS	TOWN	PERMITTED ACTIVITY	ACTIVITY CLASS
130385	AGGREGATE INDUSTRIES NORTHEAST REGION	YEMMA RD	GROVELAND	RECYCLE	RECYCLE R OF HAZARDOUS WASTE
130385	AGGREGATE INDUSTRIES NORTHEAST REGION	YEMMA RD	GROVELAND	HANDLER	LARGE QUANTITY GENERATOR - WASTE OIL/PCBS ONLY
130384	AW CHESTERTON COMPANY	860 SALEM ST	GROVELAND	TURA REPORTER	LARGE QUANTITY TOXIC USER
130384	AW CHESTERTON CO	860 SALEM ST	GROVELAND	HANDLER	LARGE QUANTITY GENERATOR
130384	AW CHESTERTON CO	860 SALEM ST	GROVELAND	HANDLER	LARGE QUANTITY GENERATOR - WASTE OIL/PCBS ONLY
130384	AW CHESTERTON CO	860 SALEM ST	GROVELAND	HANDLER	LARGE QUANTITY GENERATOR - WASTE OIL/PCBS ONLY
137403	GETTY 30518	299 MAIN ST	GROVELAND	FUEL DISPENSER	FUEL DISPENSER
137403	GETTY PETROLEUM CORPORATION	299 MAIN ST	GROVELAND	HANDLER	VERY SMALL QUANTITY GENERATOR
37655	GREENWOOD AUTO BODY	863 SALEM ST	GROVELAND	HANDLER	VERY SMALL QUANTITY GENERATOR
333358	NEW ENGLAND ENVIRONMENTAL TECHNOLOGIES	310 MAIN STREET	GROVELAND	HANDLER	VERY SMALL QUANTITY GENERATOR
333358	NEW ENGLAND ENVIRONMENTAL TECHNOLOGIES	310 MAIN STREET	GROVELAND	HANDLER	VERY SMALL QUANTITY GENERATOR - WASTE OIL/PCBS ONLY

DEP FACILITY NUMBER	FACILITY NAME	STREET ADDRESS	TOWN	PERMITTED ACTIVITY	ACTIVITY CLASS
311849	PHOENIX PRINTING	282 MAIN ST	GROVELAND	HANDLER	VERY SMALL QUANTITY GENERATOR
288129	UNION MACHINE COMPANY OF LYNN INC	925 SALEM ST	GROVELAND	HANDLER	SMALL QUANTITY GENERATOR
299471	XPRESS FUEL	990 SALEM ST (RTE 97 SOUTHBOUND)	GROVELAND	FUEL DISPENSER	FUEL DISPENSER
343634	TOWNLINE AUTO & TRUCK SERVICES	938 R SALEM STREET	GROVELAND	HANDLER	VERY SMALL QUANTITY GENERATOR - WASTE OIL/PCBS ONLY

Underground Storage Tanks

FACILITY NAME	ADDRESS	TOWN	DESCRIPTION	CAPACITY (GAL)	CONTENTS
GETTY STATION	299 MAIN STREET	GROVELAND	SERVICE STATION	8000	GASOLINE
GETTY STATION	299 MAIN STREET	GROVELAND	SERVICE STATION	8000	GASOLINE
GETTY STATION	299 MAIN STREET	GROVELAND	SERVICE STATION	8000	GASOLINE
TOWN OF GROVELAND POLICE & FIRE	183 MAIN STREET	GROVELAND	EMERGENCY SERVICES		GASOLINE
XPRESS FUEL	908 SALEM STREET	GROVELAND	GAS STATION	10000	Gasoline
XPRESS FUEL	908 SALEM STREET	GROVELAND	GAS STATION	8000	Gasoline
XPRESS FUEL	908 SALEM STREET	GROVELAND	GAS STATION	8000	DIESEL
XPRESS FUEL	908 SALEM STREET	GROVELAND	GAS STATION	6000	Gasoline

For more information on underground storage tanks, visit the Massachusetts Department of Fire Services web site: http://www.state .ma.us/dfs/ust/ustHome.htm

Note: This appendix includes only those facilities within the water supply protection area(s) that meet state reporting requirements and report to the appropriate agencies. Additional facilities located within the water supply protection area(s) should be considered in local drinking water source protection planning.

APPENDIX G

Town of Groveland
Board of Selectmen

183 Main Street
Groveland, MA 01834
Tel: 978-556-7207
Fax: 978-469-5000

Selectmen@grovelandma.com

William F. Dunn, Chair
Edward H. Watson, Vice Chair
Kathleen S. Kastrinelis
William G. O'Neil
Michael N. Wood

October 28, 2019

Rebecca Oldham
Town Planner
Planning Department
183 Main Street
Groveland, MA 01834

RE: Groveland Open Space and Recreation Plan

Dear Ms. Oldham,

The Groveland Board of Selectmen has reviewed, and wishes to express its enthusiastic support for the 2020 Open Space and Recreation Plan. At its October 28, 2019 meeting the Board of Selectmen voted to support the Plan and endorse its recommendations.

The Board of Selectmen would like to acknowledge the engagement and input from residents, local boards, committees and Town departments in working together to update the town's Open Space and Recreation Plan. The collaboration of staff, volunteers, and residents has created a Plan that is relevant and timely.

The Board of Selectmen is proud of the Town's past accomplishments in acquiring and managing lands for the preservation of our natural resources and the provision and support of recreational opportunities. And we continue to be committed to furthering the Town's open space and recreation goals by implementing the steps recommended in the 2020 Open Space and Recreation Plan.

On behalf of the Board of Selectmen,

William F. Dunn
Chairman

Conservation Commission

Town of

Groveland

Groveland, Massachusetts
Town Hall
183 Main Street
Groveland, MA 01834

November 14, 2019

Rebecca Oldham
Town Planner
Planning Department
183 Main Street
Groveland, MA 01834

RE: Groveland Open Space and Recreation Plan

Dear Ms. Oldham

The Groveland Conservation Commission has reviewed and wishes to express its enthusiastic support for the 2020 Open Space and Recreation Plan. At our November 13, 2019 meeting the Conservation Commission voted to support the Plan and endorse its recommendations.

The Conservation Commission would like to acknowledge the engagement and input from residents, local boards and committees and Town departments in working together to update the Town's Open Space and Recreation Plan. The collaboration of staff, volunteers, and residents has created a Plan that is relevant and timely.

The Conservation Commission is proud of the Town's past accomplishments in acquiring and managing lands for the preservation of our natural resources and the provision and support of recreational opportunities. And we continue to be committed to furthering the Towns open space and recreation goals by implementing the steps recommended in the 2020 Open Space and Recreation Plan.

We look forward to the changes and improvements that are planned. The plan demonstrates the Town of Groveland's ability to further protect and preserve the great natural resources we have in our town. We believe the next five years will be an exciting time as we all work to implement our goals.

Sincerely,

Michael Dempsey
Chair

Town of Groveland
Planning Board

183 Main Street
Groveland, MA 01834

November 5, 2019

Rebecca Oldham
Town Planner
Planning Department
183 Main Street
Groveland, MA 01834

RE: Groveland Open Space and Recreation Plan

Dear Ms. Oldham

The Groveland Planning Board has reviewed, and wishes to express its enthusiastic support for the 2020 Open Space and Recreation Plan. At its November 5, 2019 meeting the Planning Board voted to support the Plan and endorse its recommendations.

The Planning Board would like to acknowledge the engagement and input from residents, local boards and committees and Town departments in working together to update the Town's Open Space and Recreation Plan. The collaboration of staff, volunteers, and residents has created a Plan that is relevant and timely.

Sincerely,

Robert Danforth, Chair
On Behalf of the Planning Board

TOWN OF GROVELAND

COMMONWEALTH OF MASSACHUSETTS

OPEN SPACE & TRAILS COMMITTEE

GROVELAND TOWN HALL, 183 MAIN STREET, GROVELAND, MA 01834

Rebecca Oldham
Town Planner
Planning Department
183 Main Street
Groveland, MA 01834

RE: Groveland Open Space and Recreation Plan

Dear Ms. Oldham

The Groveland Open Space and Trails Committee has reviewed, and wishes to express its enthusiastic support for the 2020 Open Space and Recreation Plan. At its December 3, 2019 meeting the Groveland Open Space and Trails Committee voted to support the Plan and endorse its recommendations.

The Groveland Open Space and Trails Committee would like to acknowledge the engagement and input from residents, local boards and committees and Town departments in working together to update the Town's Open Space and Recreation Plan. The collaboration of staff, volunteers, and residents has created a Plan that is relevant and timely.

Sincerely,
Michael Davis



Chair, Open Space and Trails Committee

Merrimack Valley Planning Commission

Plan • Innovate • Promote

160 Main Street, Haverhill, Massachusetts 01830 | P: 978.374.0519 | F: 978.372.4890 | mvpc.org

October 30, 2019

Rebecca Oldham
Town of Groveland
183 Main Street
Groveland, MA 01834

Dear Ms. Oldham,

The Merrimack Valley Planning Commission (MVPC) has reviewed the most recent draft of the 2020 Open Space and Recreation Plan prepared for Groveland. You and the Town are to be commended for the public process undertaken in the plan update which has included community visioning and reassessment of priorities for open space and natural resource protection as well as planning for recreation facilities. The plan provides a blueprint for decision-making that will aid in sustaining the quality of life in Town for all residents.

MVPC has been pleased to participate and assist in this effort. We are fully supportive of the plan implementation goals and strategies which are consistent with the Merrimack Valley Region Priority Growth Strategy. We look forward to working with you and other town departments in Groveland in the years ahead on the implementation of plan recommendations, particularly in the realm of improving regional trail connections and preserving regionally significant wildlife habitat corridors.

Thank you again for your work and please contact me at (978)374-0519 x16 if we at MVPC can be of any further assistance.

Sincerely,

Jennifer Hughes
Environmental Program Manager

The Commonwealth of Massachusetts
Executive Office of Energy and Environmental Affairs
100 Cambridge Street, Suite 900
Boston, MA 02114

Charles D. Baker
GOVERNOR

Karyn E. Polito
LIEUTENANT GOVERNOR

Kathleen A. Theoharides
SECRETARY

Tel: (617) 626-1000
Fax: (617) 626-1181
http://www.mass.gov/eea

January 31, 2020

Rebecca Oldham
Planning Department
183 Main Street
Groveland, MA 01834

Re: Open Space and Recreation Plan

Dear Ms. Oldham:

Thank you for submitting Groveland's Open Space and Recreation Plan to this office for review for compliance with the current Open Space and Recreation Plan Requirements. I am pleased to write that the plan is approved. This final approval will allow Groveland to participate in DCS grant rounds through December 2026.

Congratulations on a great job. Please call me at (617) 626-1171 if you have any questions or concerns about the plan.

Sincerely,

Melissa Cryan
Grant Programs Supervisor

RECEIVED/POSTED
TOWN CLERK
2020 FEB -5 AM 11:49
TOWN OF GROVELAND

TOWN of GROVELAND
MASSACHUSETTS

OPEN SPACE RECREATION PLAN: **10-YEAR ACTION PLAN EXTENSION**

August 2025

Economic Development, Planning, & Conservation Department
183 Main St.
Groveland, MA 01834

Section 9: Ten-Year Action Plan Extension

The **Ten-Year Action Plan** is an extension of the original Seven-Year Action Plan contained in the 2020 Groveland Open Space and Recreation Plan. In 2025, the Massachusetts Executive Office of Energy and Environmental Affairs (EOEEA) updated the Open Space and Recreation Planner's Workbook to allow communities to extend their action plans from seven to ten years. Since Groveland's OSRP was approved within the last seven years, the Town has opted to extend its plan by three additional years, for a total of ten.

The updated Ten-Year Action Plan remains based on the goals and objectives outlined in the original OSRP. It is intended to reinforce the community's vision, increase efficiency, and establish accountability, while also providing greater flexibility through the extended timeframe. This updated plan clarifies the resources required and sets a revised timeline for the completion of specific tasks.

As with the original, the Ten-Year Action Plan should be considered a living document. Its successful implementation will depend on available funding and municipal capacity. Maintaining flexibility and the ability to reassess priorities will require ongoing collaboration and coordination among Town boards, committees, and community stakeholders. To ensure accountability and responsiveness to changing community needs, the plan should continue to be reviewed annually.

The Ten-Year Action Plan is provided as a separately updated document, which can serve as an appendix to the original OSRP or stand alone as a working update. While separate, it corresponds directly to the goals and objectives of the original plan and should be used in tandem to guide the Town's open space and recreation efforts through 2030.

Section 9.1: Goals, Action Items, and Statuses

#	Goal		Action Item	Responsible Party	Timeline[1]	Priority	Funding	Status[2]
1.	**Protect Groveland's water resources, particularly its aquifers.**	1.1	**Increase town-wide public outreach and educational offerings regarding the protection of water resource quality and function in Town.**	Water & Sewer Commission	2020-2030	Medium	Water & Sewer Commission	⟳
		1.2	**Work to minimize stormwater run-off pollution impacts, sedimentation, and erosion into surface waters.** • *Utilize the MVP workshop, plan, and MS4 as a resource* • *Mobile App to track location/maintenance of stormwater infrastructure*	Conservation Commission, Planning, Highway, MVPC	2020-2026	High	Town, Grants	⟳
		1.3	**Work to minimize invasive species occurrences on lands bordering water resources.** • *Johnson Pond Watershed Management Plan* • *Create an inventory of location, species, and mediation plan*	Conservation Commission	2020-2029	High	Town, CPA	⟳
		1.4	**Explore the option to discontinue use of Johnson's Pond as a designated drinking water supply for Haverhill.** • *Conversion of the existing pump station for use associated with expanding boating and recreation on the pond.*	Conservation Commission, CPC	2020-2027	Low	Town, CPA	⟳

[1] Based on calendar year

[2] ⟳ **Ongoing:** Indicates that the Town is actively evaluating this action item. ⟳ **In-Progress:** Indicates the Town is actively implementing this action item. ✕ **Inapplicable**: Indicates the Town is no longer pursuing this action item as it is no longer applicable to the goal. See **Section 9.2** for updates.

#	Goal		Action Item	Responsible Party	Timeline	Priority	Funding	Status
2.	**Protect the small-town rural character of Groveland.**	**2.1**	**Spread growth evenly throughout Town.** • *Emphasis on infill and rehabilitation/conversion* • *Explore creation of a Housing Trust*	Planning, CPC	2020-2026	High	Town, CPA	
		2.2	**Explore zoning changes to promote open space development.** • *Identify incentives with developers*	Planning	2020-2028	Medium	Town	
		2.3	**Maintain and improve the Town's existing tree canopy.** • *Compile Street Tree Inventory* • *Management & preservation of the Elm Trees on Elm Square – maintenance plan* • *Update and utilize Scenic Roads Bylaw*	Conservation Commission, Highway/Tree Warden, MVPC	2020-2030	High	Town, Local Technical Assistance	
		2.4	**Expand and maintain sidewalks to allow for pedestrian activity.** • *Sidewalk inventory*	Highway, MVPC	2020-2027	High	Town, Grants, Local Technical Assistance	
		2.5	**Enhance access to the Merrimack River.** • *Pines Recreation Area* • *Shanahan Fields* • *Elm Square*	Selectboard, Conservation Commission, Recreation Committee	2020-2030	High	Town, CPA	

#	Goal		Action Item	Responsible Party	Timeline	Priority	Funding	Status
3.	**Preserve Groveland's natural resources, including rare wildlife and their core habitat as well as open space, scenic vistas, farms, trails, greenways, and wildlife corridors, and especially land that enhances and buffers existing conservation land.**	**3.1**	**Increase Town-wide public outreach and educational offerings regarding the protection of rare wildlife and endangered species in Town.**	Conservation Commission	2020-2030	Medium	Town, Grants	⟳
		3.2	**Explore ways in which land can be acquired and protected without direct purchase by the Town.**	Conservation Commission, CPC, Essex County Greenbelt	2020-2030	Low	Town, CPA	⟳
		3.3	**Identify and, when possible, acquire parcels of value that abut existing protected open space.**	Conservation Commission, CPC, Essex County Greenbelt	2020-2030	Low	Town, CPA	⟳
		3.4	**Connect open space parcels through a network of trails.** • *Develop a Town-wide trails map*	Conservation Commission, CPC	2020-2026	High	Town, CPA, Volunteer Hours	⟳
		3.5	**Develop temporary and permanent off-road/on-road community trail art.**	Cultural Council, Essex Community Arts Foundation	2020-2028	Medium	Volunteer Hours	⟳

#	Goal		Action Item	Responsible Party	Timeline	Priority	Funding	Status
4.	**Enhance recreational opportunities by protecting existing recreational land and acquiring additional land to meet increased demand due to projected population growth and to provide desired recreational offerings.**	**4.1**	**Develop a formal framework for land management plans and conservation-oriented geodatabases that address Town-wide and site-specific use, maintenance, and improvement of conservation land.**	Conservation Commission, CPC	2020-2030	High	Town, Grants	⟳
		4.2	**Investigate and explore the creation of a Parks & Recreation Division.** • *Organization, operation – a study to look at the benefits and drawbacks*	Selectboard, Highway, Recreation Committee	2020-2027	High	Town	✓
		4.3	**Maximize the use of current facilities.** • *Establish a current Town-wide parks and recreation capital improvements plan* • *Monitor grant opportunities for upgrades/improvements*	Selectboard, Recreation Committee	2020-2030	Medium	Town, Grants	⟳
		4.4	**Explore the creation of recreational fields at Strawberry Fields.**	Selectboard, Recreation Committee	2020-2030	Medium	Town	✓
		4.5	**Explore options to re-create the use of Mill Pond as a public swimming location.**	Conservation Commission, Recreation Committee	2020-2030	Low	Town	✗
		4.6	**Look for opportunities to expand programs to promote local agriculture and community gardens.**	Planning, Council on Aging, Essex Agricultural & Technical School	2020-2026	Low	Town, Volunteer Hours	✓

4.7	**Create a local Farmers' Market.**	Planning, Council on Aging, Essex Agricultural & Technical School	2020-2026	Medium	Town, Volunteer Hours	
4.8	**Develop diverse programs for people of all ages and abilities.**	Recreation Committee, Council on Aging	2020-2030	High	Town	
4.9	**Plan and construct improvements that will provide access to programs and facilities for residents with disabilities, using ADA and MA AAB standards.** • *Expand on the Evaluation Plan and transition Plan completed for Veasey Park to examine all public facilities in Town*	Planning, Recreation Committee, Council on Aging	2020-2025	High	Town, Grants	
4.10	**Improve wayfinding signage and access to conservation and recreation areas.**	Conservation Commission	2020-2026	Medium	Town, CPA, Grants	

Section 9.2: Goal and Action Item Updates

#	Goal	Action Item	Updates as of August 2025	Status
1.	**Protect Groveland's water resources, particularly its aquifers.**	**1.2 Work to minimize stormwater run-off pollution impacts, sedimentation, and erosion into surface waters.** • *Utilize the MVP workshop, plan, and MS4 as a resource* • *Mobile App to track location/maintenance of stormwater infrastructure*	• Groveland has made progress on this action item, including securing a new grant to map the Town's stormwater infrastructure, which builds on earlier efforts to minimize runoff pollution, sedimentation, and erosion. • Future phases will focus on the implementation of additional core asset management components, including Level of Service analysis, criticality analysis, and funding analysis.	
2.	**Protect the small-town rural character of Groveland.**	**2.2 Explore zoning changes to promote open space development.** • *Identify incentives with developers*	• As part of the efforts to promote open space development, the Town has advanced work on Cottage Style zoning and Common Driveways as potential tools to preserve Groveland's scenic character while adding capacity for additional housing.	
		2.3 Maintain and improve the Town's existing tree canopy. • *Compile Street Tree Inventory* • *Management & preservation of the elm trees on Elm Square – maintenance plan* • *Update and utilize Scenic Roads Bylaw*	• The Groveland Highway Department is actively supporting efforts to maintain and improve the Town's tree canopy. They have partnered with Professional Environmental Services, LLC, to conduct a comprehensive tree health survey, which will serve as a foundational step for future management plans. Additionally, the department is collaborating with the Groveland Municipal Light Department to review and potentially update the Town's scenic road bylaw. This joint effort aims to strike a balance between	

			public safety and utility needs, while preserving our community's historic tree-lined roads.	
		2.4 Expand and maintain sidewalks to allow for pedestrian activity. • *Sidewalk inventory*	• The Town has completed its initial sidewalk inventory, and the Highway Department is now advancing an AI-based inventory that will also capture signage and related assets.	✓
		2.5 Enhance access to the Merrimack River. • *Pines Recreation Area* • *Shanahan Fields* • *Elm Square*	• Progress on enhancing access to the Merrimack River includes support through Community Preservation Committee (CPC) projects, which have advanced improvements at key sites such as the Pines Recreation Area, Shanahan Fields, and Elm Square.	✓
4.	**Enhance recreational opportunities by protecting existing recreational land and acquiring additional land to meet increased demand due to projected population growth and to provide desired recreational offerings.**	**4.2 Investigate and explore the creation of a Parks & Recreation Division.** • *Organization, operation – a study to look at the benefits and drawbacks*	• As part of exploring options for a Parks & Recreation Division, the Town has discussed restructuring within the Highway Department to include park maintenance. • Creation of a new Public Grounds and Cemetery Division under the Highway Department. This division focuses on a detailed inventory of our public grounds and open spaces, including recreational fields. Their work will provide key insights into how these spaces are currently used, their maintenance requirements, and which community groups they serve. This foundational effort will lay the groundwork for a more focused and dedicated approach to our recreational areas.	✓
		4.4 Explore the creation of recreational fields at Strawberry Fields.	• For the last three years, the Town has successfully supported the use of a portion of this property as a cricket field. Building	✓

		on this momentum, we are now collaborating with MassDevelopment to advance a comprehensive redevelopment of the entire 150 Center Street site. This larger vision, outlined in a recent feasibility study, will create a vibrant, mixed-use community with housing, retail, and commercial spaces. The plan also prioritizes preserving open spaces, creating new indoor and outdoor community areas, and establishing trail connections to over 100 acres of adjacent conservation land.	
4.5	**Explore options to re-create the use of Mill Pond as a public swimming location.**	• The Town is no longer exploring the use of Mill Pond as a public swimming location. Further analysis of the Johnson's Creek Watershed and existing dam structures revealed that dam removal is the most viable option for this area. This action would not support the water control needed for recreational use. Additionally, ongoing concerns with the adjacent Superfund site preclude any recreational development.	✕
4.6	**Look for opportunities to expand programs to promote local agriculture and community gardens.**	• Opportunities to expand local agriculture and community garden programs have been supported through Community Preservation Commission (CPC) initiatives, including projects at Veasey Park led by the Conservation Commission Chair, which enhance the natural environment and contribute to broader open space protection.	✓

4.7 Create a local Farmers' Market	• The Town's goal to create a weekly local Farmers' Market has shifted. While we haven't been able to gather enough support for a regular weekly market, we have successfully partnered with the Groveland Day Committee. This collaboration will ensure that a farmers' market is a key feature of Groveland Day each September.	