

SOUTHWICK OPEN SPACE AND RECREATION PLAN



**FINAL DRAFT
February 2020**

Town of Southwick Open Space and Recreation Plan 2019

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SECTION 1: PLAN SUMMARY

The Southwick Open Space and Recreation Plan is a comprehensive guide for the protection of natural resources and environmental quality for town owned lands. This plan will enable the community to direct programs and prioritize available lands for potential uses, which would better serve the Town. Consideration must be given to protection of lands with historic, scenic, recreational and public health values and creating linkages to current open space in Southwick while allowing for responsible development.

Open space planning is an on-going process that requires input from all town boards as well as its citizens. Whether we are dealing with sustainable development, ecosystem management or watershed management, land use planning is of paramount importance. Land use decisions must encourage development that protects community character and valuable natural resources. The Great Brook Aquifer underlies one third of Southwick. This is our town's water supply and also serves water to the neighboring communities of West Springfield and Westfield. Sanitary sewers have been constructed through the center of town and around part of the Congamond Lakes. Phase I of the sewer project was completed in 2004. The sewer was extended by Lakewood Village Apartments in 2010 on Babb Road to allow connection of their building 5 – 10 to the system and again in 2019 on Point Grove Road to allow connection of their remaining buildings 1 – 4 to the system. These extensions provided stubs for all remaining homes along these two roads and a manhole/stub near the Connecticut line on Point Grove Road to provide sewer system access for West Suffield, CT streets with Congamond waterfront homes to eventually be able to connect to Southwick's sewer system. The Town is evaluating suitable locations to expand the sewer system, including a small remaining portion of North Pond not yet served by the sewer system. Sewer expansion will greatly improve water quality in the Congamond Lakes.

These needs informed the creation of four open space and recreation goals, to address protection of ground and surface water, preservation of Southwick's rural character and history, protection of wetland and wildlife habitat and the creation of new recreational opportunities, creating the framework for the development of the Town's Seven-Year Action Plan. These goals are:

Goal 1: Maintain the ecological integrity of aquatic ecosystems and protect the quality and quantity of surface and groundwater drinking water supplies.

Goal 2: Permanently protect important open space and ensure conservation areas are appropriately managed for flora and fauna habitat integrity and resiliency.

Goal 3: Preserve working farms and forests in support of an agricultural way of life in Southwick.

Goal 4: Improve and expand recreational and environmental education opportunities for people of all ages while preserving Southwick's scenic, cultural and historic character.

SECTION 2: INTRODUCTION

A. STATEMENT OF PURPOSE

The purpose of this plan is to provide for the protection of open space, remaining farmlands, aquifer recharge areas, and sensitive habitats and to promote awareness and appreciation of conservation and recreational areas while still allowing for controlled, responsible development. The need for improved and additional conservation and recreational facilities both passive and active are of critical importance to the town in the face of increased residential development. This plan seeks to coordinate the efforts of all town commissions, private organizations, and residents to protect, revitalize and connect existing resources as well as create additional conservation and recreational areas for people of all age groups and abilities. Open space is defined in this plan as land that is used for the protection of wetland and wildlife habitat and the Town's water supply. It also provides recreational opportunities and protection of historical sites, scenic views and vistas. Open space conservation is often the cheapest way to safeguard drinking water, clean the air and achieve other environmental goals in a cost-effective manner. Open space is necessary to retain the Town's rural character and may consist of greenways, parks, fields, forestlands and farmland.

B. PLANNING PROCESS AND PUBLIC PARTICIPATION

PLANNING PROCESS

In 2017 the Town requested assistance from the PVPC to help update the OSRP. At that time, no grants were available for this request and would not be available until the OSRP had expired in 2019. In 2018 the Southwick Open Space and Recreation Ad Hoc Committee was established by the Southwick Selectboard. In June 2018 the Town of Southwick made a request that was approved by the CPC to use CPA administrative funds to update the OSRP.

In 2018, the Southwick Open Space and Recreation Committee began an update to the 2012 Open Space and Recreation Plan. The first order of business was to find a vendor to update the maps required in the OSRP. It seemed to make sense to use the mapping company that the Town has been using for the Assessor's mapping. A proposal from CAI Technologies was approved at the 12/13/2018 OSRP Committee meeting and signed by the Town for the scope of services agreed upon.

The highest importance for developing an updated OSRP was put on seeking public input about goals, objectives and priorities, and achieving consensus among all municipal departments, boards, and committees for endorsement of the plan and implementation strategies herein. To do this, the Open Space Committee, implemented a broad campaign to engage the public and municipal officials.

PUBLIC PARTICIPATION

The 7-member Open Space & Recreation Planning Committee served as the coordinating committee for the OSRP update. All of the Committee meetings were held at Town Hall and were open to the public. The committee met 11 times between September 2018 and November 2019 and these meetings were posted at town hall, and emailed to the

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Committee members, board chairs and department heads for all boards, departments and committees within Southwick.

A public survey was conducted between October 2018 and March 2019. The survey was mailed to over 4000 residents with their tax bill, and available in paper form available at Town Hall. The website link as well as paper copies were distributed to every municipal department for dissemination to the residents they serviced. Notice of the survey was also published in Westfield News. Results of the survey are discussed under Section 6 Community Vision. The Southwick Open Space & Recreation Committee held public workshops on October 25, 2018 and April 17, 2019 at Town Hall to present the draft Open Space and Recreation Plan including goals, objectives, and actions. In particular, a detailed Action Plan was developed. The public workshops are described further in Section 6 Community Vision. Public meetings of the Open Space Committee devoted to development of OSRP chapters occurred on:

- September 13, 2018
- October 25, 2018
- December 13, 2018
- January 19, 2019
- April 17, 2019
- May 5, 2019
- June 5, 2019
- July 10, 2019
- September 4, 2019
- October 2, 2019
- November 6, 2019

Public meetings with other town departments, boards and commissions devoted to investigation and analysis of open space and recreation issues were held on:

- August 22, 2019 Assessor's Office
- April 09, 2018 / September 10 Planning Board
- June 12 / September 11, 2019 Park and Recreation Commission
- September 17, 2019 Selectboard

SOUTHWICK HERITAGE LANDSCAPES PROGRAM PUBLIC PARTICIPATION

In a public meeting on November 13, 2008, eighteen people were in attendance, including members of the Southwick Historical Society, Inc.; the Southwick Town Planner; the West Hampden Historical Society; Board of Selectmen; Town Planning Board; and residents, several of whom noted they were life-long. During the meeting audience members created a master list of forty-three heritage landscapes that fell within ten landscape categories, and then selected among those landscapes their priorities considering integrity, level of threat, public support, and accessibility. The six priority landscapes chosen by the meeting members were the Town Center, the Moore House in The Jog, the former Chuck's Steak House Area (also known as Slab Brook Plain), Gillett Corner, a view of Sodom Mountain, and the Railroad Line at Congamond Lakes. The final product for each community was an individualized Heritage Landscape Reconnaissance Report, which was completed in June 2009. This report outlines the community's landscape history, describes the priority heritage landscapes along with associated opportunities, issues, and recommendations, and concludes with implementation strategies. This OSRP update incorporates all relevant information from this planning process.

SECTION 3: COMMUNITY SETTING

A. REGIONAL CONTEXT

Southwick is located in Hampden County on the western edge of the Connecticut River Valley, on the Massachusetts-Connecticut border. Southwick is in the watersheds of the Westfield and the Farmington Rivers and is a town with highly varied terrain. It has mountainous sections, a string of low-lying, freshwater lakes, and, in between, a landscape of rolling hills. At one time entirely under Lake Hitchcock, the area of Southwick has rocky gravel soil in the uplands and sandy soil in the lowlands, a fact that has had an impact on its development. The community is characterized as a rural farming and residential community that is becoming a suburb of the Springfield /Westfield

/Hartford region. Southwick has an area of 19,814 acres, or approximately 31 square miles. It is bordered by Granville to the west, Westfield to the north, Agawam to the east, and Suffield and Granby, Connecticut to the South. The town is only 12 miles from the City of Springfield and 22 miles from the City of Hartford, Connecticut. The largest of the mountains that make up vistas in the town is Sodom Mountain on its west border at an elevation of 1126 feet.

B. HISTORY OF THE COMMUNITY

Native Americans are thought to have concentrated their settlement around the Congamond Lakes in the eastern half of the town during the Pre-historic and Contact Periods for its good soil and fishing. The Native American groups may well have gone into the uplands for hunting west and north east of the Lakes, and trails led into Westfield (Woronoco. Route 10 (College Highway going north and south, and Vining Hill Road going east and west were the major routes established by these early occupants.

Southwick was the common land for Westfield during the early 18th century and settlement in the area began in the 1730s when Westfield opened it up for sale to the growing population. The area was surveyed and laid out in lots with room for houses and contiguous tilling and pasture land, unlike many other of the early Connecticut River Valley towns that were laid out as linear street villages whose pasture and tilling lands were not contiguous with the house lots.

Settlement was slow: by 1754 about 34 families had arrived. In just two decades, however, their number had risen to 841. At 86 College Highway one of the houses remaining from this period, the Joseph Moore House, ca. 1751, is a fine example of the town's early architecture.

Settlers to the southern part of Southwick mainly came from Hartford and Windsor, Connecticut and were more affluent than those who settled in the northern section of town. Because of this distinction the northern part of town was referred to in the 1700s as "Poverty Plains" and the Jog area was called "Mooretown".

Due to the late date of its settlement, there was no prolonged period during which the settlers focused on farming in Southwick. Rather farming was carried out simultaneously while the rivers were being used for powder mills, saw and gristmills. In fact, the town's first industry was established at the same time that it was being settled as a farming community.

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By 1775 Captain Matthew Laflin had built up to five powder mills on his property along Two Mile Brook in Southwick and into Westfield. Getting quickly to work, he sold his powder to the patriots throughout the Revolutionary War and local historians record that it was used specifically at the Battle of Bunker Hill. Reflecting its use, Two Mile Brook became known as Powder Mill Brook, later Great Brook.

According to the Massachusetts Historical Commission's Reconnaissance Survey of 1982, Laflin's powder mill industry was the most extensive known operation of its kind in the Connecticut River valley in the 18th century. It has been claimed that slaves were used to handle the twenty or so kegs of powder produced each day from these mills.

The area's road system improved considerably from the 1760s as settlement began to increase, and gradually a town center formed in the early 1770s on Route 10 at its intersection with the County Road (now Klaus Anderson) and College Highway. It was here that the first meetinghouse was built in 1773. While some families were settling and beginning farms, others were active as land speculators, and one of the places where their efforts were concentrated was around the Congamond Lakes. There speculators proposed draining the water to expand the area of fertile soil that was around and under them for sale.

Western Massachusetts gradually became more prosperous after the Revolutionary War, and Southwick was part of this pattern. Between 1776 and about 1810, the town's farmers continued to practice their mixed agriculture, but then two developments improved their prosperity significantly. First, broomcorn and tobacco were introduced as cash crops in the 1810s. The second was construction of a canal through the town that enabled farmers to ship their extra produce to markets in more urban Connecticut. The Hampshire and Hampden Canal was built in Southwick during this period connecting Connecticut's Long Island Sound at New Haven by the Farmington Canal to Westfield in 1829. In 1835 the Hampshire and Hampden canal was opened to Northampton passing through Southampton. After 1836 the two canal companies merged and became the New Haven and Northampton Company. The canal enabled farmers to intensify their cultivation of tobacco and increase production of market garden produce and dairy.

A measure of the town's prosperity is the selection of Isaac Damon as architect of the large and well-detailed new meetinghouse at 488 College Highway in 1824. Further north on College Highway than the first meetinghouse, the new meetinghouse location was on Southwick Hill, which soon became the town's center. Architect Isaac Damon occupies a central role in western Massachusetts architecture. He was active in Northampton designing his own home, the First Congregational Church at 50 Elm Street in Springfield and the First Congregational Church in Blandford before coming to work in Southwick. His first commission about 1820 in Southwick appears to have been the Methodist Episcopal Church at 222 College Highway at Gillett Corner. Gillett Corner is the intersection of Vining Hill Road and College Highway and was named for the Gillett family that occupied three of its four corners for most of the 19th century. After construction of the church, the Corner grew to become a secondary village.

Beside the new meetinghouse (the Congregational Church), the Center grew between about 1790 and 1840 with a Baptist Church and Federal and Greek Revival style houses along College Highway. The Hampshire and Hampden Canal proved an expensive form of transportation for Southwick with high maintenance costs for repairs, winter icing and even muskrat damage. Despite the efforts by its investors, including the Commonwealth

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of Massachusetts, the canal was doomed. In 1848 the canal was closed, and the canal company was authorized to construct a railroad, the New Haven and Northampton Railroad, commonly known as the Canal line. They used portions of the canal as their route but did not adhere to it fully.

By 1860 the town Center extended east down Depot Road to a railroad station, which had been built for the Canal Line. Until construction of the railroad, Depot Street was known as Broad Street and was where those who had made wealth in the powder mills settled. Greek Revival and Italianate style houses were built on both College Highway and Depot Road further adding to the architectural richness of the Center.

The dominant economic activity in Southwick remained tobacco cultivation during the first half of the 19th century. Many people began making cigars to supplement their incomes, and one of the biggest cigar makers was Charles J. Gillett from Gillett Corner. Mr. Gillett and the people who worked for him made cigars in a cottage industry. Gillett then collected and distributed them to stores, hotels, and at events and public auctions where large groups of people met. Eventually most cigar-making in the region took place in Westfield where it was industrialized, but it persisted as a cottage industry in Southwick through the Civil War. Tobacco itself continued to be grown at increasing levels, however. Some residents made gun powder or started making whips or whip lashes during the period, mostly as second jobs, but without a large river as a source of water power, Southwick could not become an industrial town as did Westfield and agriculture remained dominant.

By the turn-of-the-century, Swedish, Austrian, Italian and Polish joined the Irish who had previously settled in town when the canal and railroads were being built. The new immigrants were mainly farmers, and many also worked in Southwick's businesses and small factories. On the farm's tobacco was the chief crop and farmers built drying sheds and stripping sheds where they processed their leaves and prepared them for shipment to the cigar factories. With the introduction of shade tobacco, competition with the Sumatran tobacco increased, and more barns were built throughout town to handle the larger crops.

At the Congamond Lakes people began coming from the cities to spend their summers, and several hotels, a few boarding houses and entertainments were built to accommodate them. A railroad station near the Lakes made it convenient for summer guests to travel to the Lakes. The New Haven and Northampton railroad passed along the west shore of the Lakes and it became important in winters for the ice harvesters who were able to cut and ship the ice relatively quickly and efficiently. Southwick's was the largest ice harvesting enterprise in New England with ice shipped out on the railroad year-round to New York, and from there by ship to places further south. The size of a football field, some of the ice house foundations are known still to be under water. One ice-related building remains at 108 Congamond Road, now the Red Riding Hood's Basket restaurant.

If there were little building in the previous period, Southwick more than made up for it with building in the Center during the first decade of the 20th century. A new Consolidated School (1928, a new Firehouse and commercial buildings all appeared in the Center where College Highway and Depot Road intersect. New construction also took place at Congamond Lakes where summer cottages were built in the 1930s along its shores and in a concentrated development north of North Pond.

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Accordingly, new businesses to support the large summer population went up in the area. Recreational businesses like golf courses and boat rentals appeared along with restaurants in this part of Southwick.

Meanwhile tobacco growing among farmers remained strong, and one of the results of this strength was that farms were not broken up for development, as they often were in neighboring manufacturing towns. The Great Brook Valley was the prime tobacco growing area. The business consolidated and grew more commercial when farmers contracted with one of several tobacco corporations to sell exclusively to them. Often the corporations had their names painted on the barns of their growers. Mechanization of farming and the corporation system allowed the farmers to produce greater quantities and to sell in a more secure manner buffered from the vagaries of the market.

After World War II Southwick grew rapidly but haphazardly. Commercial buildings were mixed with residential buildings and poorly designed buildings were put up alongside historic homes. Housing subdivisions provided greatly needed homes for growing families, and a fair amount of farmland was split up for new neighborhoods. Today, however, Southwick retains historic features from many of its most significant periods of development. Farms and farmland, sometimes adjacent to commercial centers and institutional centers, characterize much of the town, which has become a desirable place to live with easy access to Springfield and Hartford.

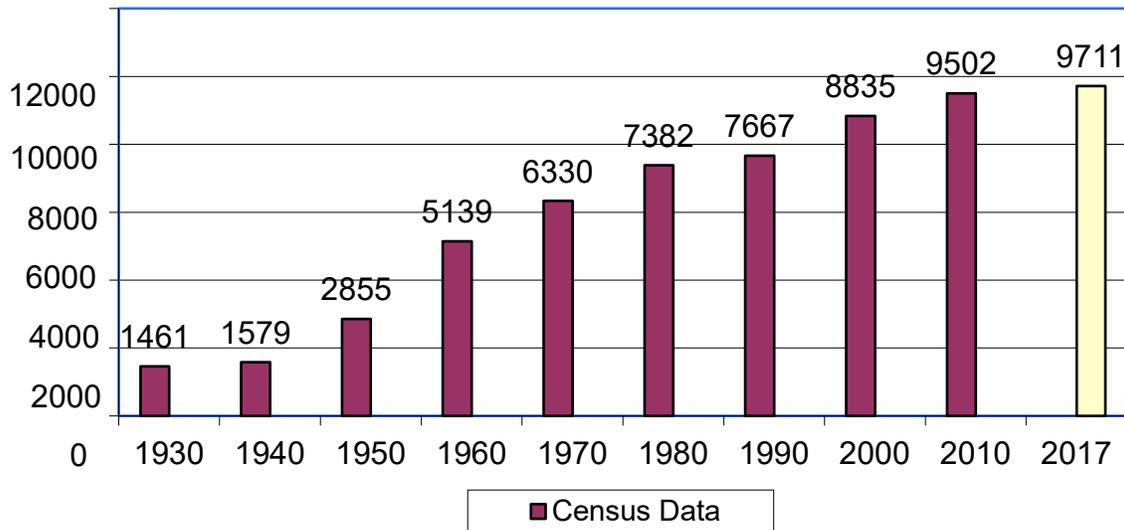
Southwick has been home to some notable citizens past and present. The Crane family owned one of the best showplace horse farms in the Northeast located on Sunnyside Road. Governor Eli owned a farmhouse off Tannery Road during the 1930's, and Amasa Holcomb was the first manufacturer of telescopes in the United States. Other residents include Vernon Johnson who went on to become one of Canada's leading industrialists and conservationists, as well as Rebecca Lobo who was one of the premier women basketball players in the country.

The 2020 Reader Raves award voted Southwick as the Best Town or City to Live in the Pioneer Valley.

C. POPULATION CHARACTERISTICS

POPULATION GROWTH INDICATORS AND HOUSEHOLDS

Southwick’s topography and location adds to its popularity and the increase in single-family homes. From 1980 to 2010, the town’s population has grown from 7,382 people to 9,502 people. Further, it is estimated that the population reached 9,711 in 2017. That is a projected increase of approximately 2,329 people, representing a 31percent increase in the last thirty-seven years. Between 1990 and 2010, there was a 37 percent increase in the number of households. The average household size decreased, with the number of single-family residences increases by 76%



NDS: 1930 TO 2017

TABLE 2: SOUTHWICK DEMOGRAPHIC TRENDS SUMMARY

	1990	2010	2017(Est.)	Percent Change (1990- 2010)
Southwick Residents	7,667	9,502	9,711	24%
Southwick Households	2,713	3,710	3,750	37%
Southwick Households with Children	1104	1072	948	-3%
Average Household Size	2.83	2.56	2.59	-10%
Southwick Single Person Households	510	898	841	76%
SOUTHWICK-TOLLAND REGIONAL SCHOOL STUDENT ENROLLMENT	1858	1731		-7%

Source: U.S. Census Bureau, Decennial Census 1990 & 2010; Massachusetts Department of Education, 1995 & 2010 student enrollment data.

Source: 2017...

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TABLE 3: COMPARATIVE REGIONAL POPULATION TRENDS

Geography	1990	2000	2010	% Change 1990 to 2000	% Change 2000 to 2010
Granville	1,403	1,521	1,566	8%	3%
Blandford	1,187	1,214	1,233	2%	2%
Granby, CT	9,369	10,347	11,282	10%	9%
Hartland, CT	1,866	2,012	2,114	8%	5%
Russell	1,594	1,657	1,775	4%	7%
Southwick	7,667	8,835	9,502	15%	8%
Tolland	289	426	485	47%	14%
Westfield	38,372	40,072	41,094	4%	3%
Pioneer Valley Region	602,878	608,479	621,570	1%	2%
Massachusetts	6,016,425	6,349,097	6,547,629	6%	3%

Source: U.S. Census Bureau Decennial Census, 1990, 2000, 2010.

The U.S. Census Bureau has not updated its estimates on the number of Southwick residents with a disability since the 2000 Decennial Census, but the U.S. Census Bureau’s latest regional estimates for 2008-2010 show that eleven percent of the region’s total population of residents age 18 to 64 and almost 40 percent of elderly residents reported having one or more disabilities (2008-2010 ACS).

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Profile of General Demographic Characteristics: 2000

DP-1

Census 2000 Summary File 1 (SF 1) 100-Percent Data

NOTE: For information on confidentiality protection, nonsampling error, definitions, and count corrections see <http://www.census.gov/prod/cen2000/doc/sf1.pdf>

Subject	ZCTA5 01077	
	Number	Percent
Total population	8,835	100.0
SEX AND AGE		
Male	4,427	50.1
Female	4,408	49.9
Under 5 years	558	6.3
5 to 9 years	654	7.4
10 to 14 years	696	7.9
15 to 19 years	624	7.1
20 to 24 years	371	4.2
25 to 34 years	1,011	11.4
35 to 44 years	1,836	20.8
45 to 54 years	1,296	14.7
55 to 59 years	447	5.1
60 to 64 years	311	3.5
65 to 74 years	535	6.1
75 to 84 years	384	4.3
85 years and over	112	1.3
Median age (years)	37.9	(X)
18 years and over	6,490	73.5
Male	3,215	36.4
Female	3,275	37.1
21 years and over	6,223	70.4
62 years and over	1,207	13.7
65 years and over	1,031	11.7
Male	433	4.9
Female	598	6.8
RACE		
One race	8,733	98.8
White	8,606	97.4
Black or African American	45	0.5
American Indian and Alaska Native	18	0.2
Asian	33	0.4
Asian Indian	5	0.1
Chinese	10	0.1
Filipino	4	0.0
Japanese	3	0.0
Korean	4	0.0
Vietnamese	0	0.0
Other Asian [1]	7	0.1
Native Hawaiian and Other Pacific Islander	1	0.0
Native Hawaiian	0	0.0
Guamanian or Chamorro	1	0.0

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Subject	ZCTA5 01077	
	Number	Percent
Samoan	0	0.0
Other Pacific Islander [2]	0	0.0
Some other race	30	0.3
Two or more races	102	1.2
Race alone or in combination with one or more other races [3]		
White	8,704	98.5
Black or African American	69	0.8
American Indian and Alaska Native	76	0.9
Asian	47	0.5
Native Hawaiian and Other Pacific Islander	6	0.1
Some other race	44	0.5
HISPANIC OR LATINO AND RACE		
Total population	8,835	100.0
Hispanic or Latino (of any race)	152	1.7
Mexican	20	0.2
Puerto Rican	81	0.9
Cuban	8	0.1
Other Hispanic or Latino	43	0.5
Not Hispanic or Latino	8,683	98.3
White alone	8,502	96.2
RELATIONSHIP		
Total population	8,835	100.0
In households	8,821	99.8
Householder	3,318	37.6
Spouse	1,991	22.5
Child	2,847	32.2
Own child under 18 years	2,202	24.9
Other relatives	304	3.4
Under 18 years	104	1.2
Nonrelatives	361	4.1
Unmarried partner	187	2.1
In group quarters	14	0.2
Institutionalized population	0	0.0
Noninstitutionalized population	14	0.2
HOUSEHOLDS BY TYPE		
Total households	3,318	100.0
Family households (families)	2,419	72.9
With own children under 18 years	1,214	36.6
Married-couple family	1,991	60.0
With own children under 18 years	967	29.1
Female householder, no husband present	274	8.3
With own children under 18 years	158	4.8
Nonfamily households	899	27.1
Householder living alone	726	21.9
Householder 65 years and over	328	9.9
Households with individuals under 18 years	1,300	39.2
Households with individuals 65 years and over	764	23.0
Average household size	2.66	(X)
Average family size	3.13	(X)
HOUSING OCCUPANCY		
Total housing units	3,533	100.0
Occupied housing units	3,318	93.9
Vacant housing units	215	6.1
For seasonal, recreational, or occasional use	45	1.3
Homeowner vacancy rate (percent)	2.0	(X)
Rental vacancy rate (percent)	9.6	(X)
HOUSING TENURE		
Occupied housing units	3,318	100.0
Owner-occupied housing units	2,699	81.3

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Subject	ZCTA5 01077	
	Number	Percent
Renter-occupied housing units	619	18.7
Average household size of owner-occupied unit	2.80	(X)
Average household size of renter-occupied unit	2.04	(X)

(X) Not applicable.

[1] Other Asian alone, or two or more Asian categories.

[2] Other Pacific Islander alone, or two or more Native Hawaiian and Other Pacific Islander categories.

[3] In combination with one or more other races listed. The six numbers may add to more than the total population and the six percentages may add to more than 100 percent because individuals may report more than one race.

Source: U.S. Census Bureau, Census 2000 Summary File 1, Matrices P1, P3, P4, P8, P9, P12, P13, P,17, P18, P19, P20, P23, P27, P28, P33,PCT5, PCT8, PCT11, PCT15, H1, H3, H4, H5, H11, and H12.

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ACS DEMOGRAPHIC AND HOUSING ESTIMATES 2013-2017 American Community Survey 5-Year Estimates

Supporting documentation on code lists, subject definitions, data accuracy, and statistical testing can be found on the American Community Survey website in the Technical Documentation section.

Sample size and data quality measures (including coverage rates, allocation rates, and response rates) can be found on the American Community Survey website in the Methodology section.

Although the American Community Survey (ACS) produces population, demographic and housing unit estimates, it is the Census Bureau's Population Estimates Program that produces and disseminates the official estimates of the population for the nation, states, counties, cities, and towns and estimates of housing units for states and counties.

Subject	ZCTA5 01077			
	Estimate	Margin of Error	Percent	Percent Margin of Error
SEX AND AGE				
Total population	9,711	+/-37	9,711	(X)
Male	4,926	+/-233	50.7%	+/-2.4
Female	4,785	+/-235	49.3%	+/-2.4
Sex ratio (males per 100 females)	102.9	+/-10.0	(X)	(X)
Under 5 years	367	+/-152	3.8%	+/-1.6
5 to 9 years	469	+/-135	4.8%	+/-1.4
10 to 14 years	814	+/-231	8.4%	+/-2.4
15 to 19 years	439	+/-152	4.5%	+/-1.6
20 to 24 years	463	+/-174	4.8%	+/-1.8
25 to 34 years	922	+/-223	9.5%	+/-2.3
35 to 44 years	1,119	+/-203	11.5%	+/-2.1
45 to 54 years	1,592	+/-206	16.4%	+/-2.1
55 to 59 years	790	+/-199	8.1%	+/-2.0
60 to 64 years	787	+/-183	8.1%	+/-1.9
65 to 74 years	782	+/-151	8.1%	+/-1.6
75 to 84 years	795	+/-247	8.2%	+/-2.5
85 years and over	372	+/-106	3.8%	+/-1.1
Median age (years)	46.6	+/-1.9	(X)	(X)
Under 18 years	1,901	+/-211	19.6%	+/-2.2
16 years and over	7,938	+/-213	81.7%	+/-2.2
18 years and over	7,810	+/-213	80.4%	+/-2.2
21 years and over	7,569	+/-243	77.9%	+/-2.5
62 years and over	2,276	+/-348	23.4%	+/-3.6
65 years and over	1,949	+/-299	20.1%	+/-3.1
18 years and over	7,810	+/-213	7,810	(X)
Male	3,985	+/-204	51.0%	+/-2.2
Female	3,825	+/-196	49.0%	+/-2.2
Sex ratio (males per 100 females)	104.2	+/-9.0	(X)	(X)

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Subject	ZCTA5 01077			
	Estimate	Margin of Error	Percent	Percent Margin of Error
65 years and over	1,949	+/-299	1,949	(X)
Male	858	+/-168	44.0%	+/-4.3
Female	1,091	+/-174	56.0%	+/-4.3
Sex ratio (males per 100 females)	78.6	+/-13.6	(X)	(X)
RACE				
Total population	9,711	+/-37	9,711	(X)
One race	9,584	+/-153	98.7%	+/-1.5
Two or more races	127	+/-148	1.3%	+/-1.5
One race	9,584	+/-153	98.7%	+/-1.5
White	9,478	+/-177	97.6%	+/-1.8
Black or African American	8	+/-14	0.1%	+/-0.1
American Indian and Alaska Native	0	+/-17	0.0%	+/-0.4
Cherokee tribal grouping	0	+/-17	0.0%	+/-0.4
Chippewa tribal grouping	0	+/-17	0.0%	+/-0.4
Navajo tribal grouping	0	+/-17	0.0%	+/-0.4
Sioux tribal grouping	0	+/-17	0.0%	+/-0.4
Asian	98	+/-83	1.0%	+/-0.9
Asian Indian	0	+/-17	0.0%	+/-0.4
Chinese	35	+/-53	0.4%	+/-0.6
Filipino	11	+/-16	0.1%	+/-0.2
Japanese	0	+/-17	0.0%	+/-0.4
Korean	10	+/-15	0.1%	+/-0.2
Vietnamese	31	+/-55	0.3%	+/-0.6
Other Asian	11	+/-17	0.1%	+/-0.2
Native Hawaiian and Other Pacific Islander	0	+/-17	0.0%	+/-0.4
Native Hawaiian	0	+/-17	0.0%	+/-0.4
Guamanian or Chamorro	0	+/-17	0.0%	+/-0.4
Samoan	0	+/-17	0.0%	+/-0.4
Other Pacific Islander	0	+/-17	0.0%	+/-0.4
Some other race	0	+/-17	0.0%	+/-0.4
Two or more races	127	+/-148	1.3%	+/-1.5
White and Black or African American	0	+/-17	0.0%	+/-0.4
White and American Indian and Alaska Native	30	+/-34	0.3%	+/-0.3
White and Asian	0	+/-17	0.0%	+/-0.4
Black or African American and American Indian and Alaska Native	0	+/-17	0.0%	+/-0.4
Race alone or in combination with one or more other races				
Total population	9,711	+/-37	9,711	(X)
White	9,560	+/-116	98.4%	+/-1.1
Black or African American	8	+/-14	0.1%	+/-0.1
American Indian and Alaska Native	30	+/-34	0.3%	+/-0.3
Asian	195	+/-169	2.0%	+/-1.7
Native Hawaiian and Other Pacific Islander	97	+/-143	1.0%	+/-1.5
Some other race	0	+/-17	0.0%	+/-0.4
HISPANIC OR LATINO AND RACE				
Total population	9,711	+/-37	9,711	(X)
Hispanic or Latino (of any race)	23	+/-27	0.2%	+/-0.3
Mexican	11	+/-19	0.1%	+/-0.2
Puerto Rican	12	+/-18	0.1%	+/-0.2
Cuban	0	+/-17	0.0%	+/-0.4
Other Hispanic or Latino	0	+/-17	0.0%	+/-0.4
Not Hispanic or Latino	9,688	+/-49	99.8%	+/-0.3
White alone	9,455	+/-185	97.4%	+/-1.9
Black or African American alone	8	+/-14	0.1%	+/-0.1
American Indian and Alaska Native alone	0	+/-17	0.0%	+/-0.4

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Subject	ZCTA5 01077			
	Estimate	Margin of Error	Percent	Percent Margin of Error
Asian alone	98	+/-8	1.0%	+/-0.9
Native Hawaiian and Other Pacific Islander alone	0	+/-1 7	0.0%	+/-0.4
Some other race alone	0	+/-1	0.0%	+/-0.4
Two or more races	127	+/-148	1.3%	+/-1.5
Two races including Some other race	0	+/-1	0.0%	+/-0.4
Two races excluding Some other race, and Three or more races	127	+/-148	1.3%	+/-1.5
Total housing units	4,034	+/-187	(X)	(X)
CITIZEN, VOTING AGE POPULATION				
Citizen, 18 and over population	7,653	+/-243	7,653	(X)
Male	3,892	+/-209	50.9%	+/-2.2
Female	3,761	+/-204	49.1%	+/-2.2

Data are based on a sample and are subject to sampling variability. The degree of uncertainty for an estimate arising from sampling variability is represented through the use of a margin of error. The value shown here is the 90 percent margin of error. The margin of error can be interpreted roughly as providing a 90 percent probability that the interval defined by the estimate minus the margin of error and the estimate plus the margin of error (the lower and upper confidence bounds) contains the true value. In addition to sampling variability, the ACS estimates are subject to nonsampling error (for a discussion of nonsampling variability, see Accuracy of the Data). The effect of nonsampling error is not represented in these tables.

For more information on understanding race and Hispanic origin data, please see the Census 2010 Brief entitled, Overview of Race and Hispanic Origin: 2010, issued March 2011. (pdf format)

While the 2013-2017 American Community Survey (ACS) data generally reflect the February 2013 Office of Management and Budget (OMB) definitions of metropolitan and micropolitan statistical areas; in certain instances the names, codes, and boundaries of the principal cities shown in ACS tables may differ from the OMB definitions due to differences in the effective dates of the geographic entities.

Estimates of urban and rural populations, housing units, and characteristics reflect boundaries of urban areas defined based on Census 2010 data. As a result, data for urban and rural areas from the ACS do not necessarily reflect the results of ongoing urbanization.

Source: U.S. Census Bureau, 2013-2017 American Community Survey 5-Year Estimates

Explanation of Symbols:

1. An '***' entry in the margin of error column indicates that either no sample observations or too few sample observations were available to compute a standard error and thus the margin of error. A statistical test is not appropriate.
2. An '-' entry in the estimate column indicates that either no sample observations or too few sample observations were available to compute an estimate, or a ratio of medians cannot be calculated because one or both of the median estimates falls in the lowest interval or upper interval of an open-ended distribution.
 1. An '-' following a median estimate means the median falls in the lowest interval of an open-ended distribution.
 2. An '+' following a median estimate means the median falls in the upper interval of an open-ended distribution.
3. An '****' entry in the margin of error column indicates that the median falls in the lowest interval or upper interval of an open-ended distribution. A statistical test is not appropriate.
4. An '*****' entry in the margin of error column indicates that the estimate is controlled. A statistical test for sampling variability is not appropriate.
5. An 'N' entry in the estimate and margin of error columns indicates that data for this geographic area cannot be displayed because the number of sample cases is too small.
6. An '(X)' means that the estimate is not applicable or not available.

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POPULATION BY AGE

Population density has been steadily increasing and is projected to continue to trend in that direction. While there were 203 people per square mile in 1970, in 1985 the population density had grown to 233 people per square mile. Between the years 1930 and 1990 the town's increase in population was 35.4% per decade. Based on the above numbers, the 1990 census data shows a density of 244 people per square mile with an increase to 284 people per square mile in the year 2000. In 2010 there were 300 people per square mile.

TABLE 4: SOUTHWICK POPULATION BY AGE: 1990 TO 2010 COMPARISON

	Population in 1990	Percent of Total 1990 Population	Population in 2010	Percent of Total 2010 Population
Under 5 years	539	7%	417	4%
5 to 9 years	615	8%	574	6%
10 to 14 years	589	8%	729	8%
15 to 19 years	559	7%	623	7%
20 to 24 years	481	6%	442	5%
25 to 34 years	1,365	18%	859	9%
35 to 44 years	1,378	18%	1,328	14%
45 to 54 years	791	10%	1,835	19%
55 to 59 years	305	4%	713	8%
60 to 64 years	311	4%	584	6%
65 to 74 years	460	6%	703	7%
75 to 84 years	227	3%	474	5%
85 years and over	47	1%	221	2%
Total Population	7,667	100%	9,502	100%
Median Age	33.0	n/a	43.6	n/a

Source: U.S. Census Bureau, 1990 & 2010 Decennial Census

POPULATION BY RACE, ETHNICITY & ANCESTRY

The Pioneer Valley Region is continuing to become more diverse in race and ethnicity. Immigration and subsequent births to the new arrivals during the last few decades of the 20th century and the first two of the 21st century played a major role in changing the racial and ethnic composition of the Pioneer Valley as well as the U.S. population as a whole. The Pioneer Valley went from being 82 percent white in 2000 to 80 percent white in 2010. The region's Hispanic population grew significantly during this time from 12 percent in 2000 to 17 percent in 2010. Southwick is primarily a middle-class community of mixed religious affiliations. The non-white population comprises approximately 5.0% of the total population. There are no Environmental Justice populations in Southwick.

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TABLE 5: POPULATION BY ETHNICITY

	Massachusetts	Percent of Total	Southwick	Percent of Total
Total	6,547,629	100 %	9502	100%
White	5,265,236	80.41%	9,157	96.4%
Black or African American	434,398	6.63%	85	0.9%
American Indian and Alaska Native	18,850	0.29%	24	0.3%
Asian	349,768	5.34%	77	0.8%
Native Hawaiian and Other Pacific Islander	2,223	0.03%	3	0.0%
Some Other Race	305,151	4.66%	37	0.4%
Total Number of Persons of Two or More Races	172,003	2.63%	119	1.3%
<i>Hispanic, Any Race</i>	<i>627,654</i>	<i>9.59%</i>	<i>198</i>	<i>2.1%</i>

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

HOUSEHOLD INCOME & POVERTY

Southwick is still considered semi-rural, although more of the open space will be developed as the town becomes more suburban. The median family income according to the 2005-2009 American Community Survey was \$70,423, which was higher than the \$64,496 estimated statewide median household income over this same period. By 2017, the median family income according to the 2013-2017 American Community Survey 5 Year Estimate had risen to \$76,737.

The U.S. Census Bureau's American Community Survey estimated that almost three percent of Southwick families and almost nine percent of children had incomes below the poverty level in 2005-2009. The estimated percentage of individuals below the poverty level over this same period was four percent.

According to the 2013-2017 American Community Survey 5 Year Estimate, the estimated percentage of individuals with incomes of 125% or less than the poverty level was 7.2%.

Southwick-Tolland-Granville Regional School District

The Southwick-Tolland-Granville Regional School District (“STGRSD” or “the District” is a Massachusetts public school district organized under Chapter 71 of the Massachusetts General Laws that serves the 3-town region of Southwick, Tolland, and Granville. The District was established in 1988 when the towns of Southwick and Tolland executed a regional agreement for the delivery of public education services for resident children of the towns. The District was expanded in 2012 to include the Town of Granville.

The District currently operates three schools covering pre-kindergarten to grade 12. The schools are all located on a single contiguous campus covering approximately 25 acres in the central part of the Town of Southwick and have a combined enrollment of 1,511 students (10/1/18 data). The District participates in Massachusetts’ school choice program, with 132 students from other districts attending STGRSD schools, while 46 students from the 3-town region attend schools outside the District. The District is also a participant in the state-sponsored METCO Program which provides funding to enable a limited number of students from urban neighborhoods in nearby Springfield to attend STGRSD schools. Each year approximately 20 students participate in the program.

For the current school year, 31% of students enrolled in District schools qualify for free & reduced-price meal benefits under the National School Lunch Program. Similarly, 29% of the District’s Foundation Enrollment (i.e. all resident students eligible to attend STGRSD schools are categorized as “economically disadvantaged” by the Massachusetts Department of Elementary & Secondary Education (DESE).

The District is a party to a long-term lease with the Town of Southwick for use of the Town-owned school buildings and grounds. As lessee, the District is responsible for the maintenance of and leasehold improvements to the buildings and grounds. Pursuant to the regional agreement, all such costs are borne by the three-member towns using allocation methods spelled out in the agreement.

All three school buildings on the Southwick campus recently underwent major repairs and renovations, which included additions to the Southwick Regional School (grades 7-12). The projects were funded in part by the Massachusetts School Building Authority (MSBA) and substantially completed in 2016. The District share of the projects’ cost was financed through the sale of general obligation bonds, the annual debt service for which is apportioned among the three towns in accordance with the terms of the regional agreement.

The campus contains ample open space to accommodate the physical education needs of the District’s schools, as well as the needs of the Southwick Regional School’s interscholastic athletics program. The outdoor athletic fields include 2 softball fields, 2 soccer fields, 2 baseball fields (90’ diamonds), a field hockey playing surface, and a synthetic track with jumping events areas. The track, newly installed in 2015, serves as a community resource for walkers and runners. The playing fields are used by youth and adult athletic organizations on an application basis. The campus also has playground facilities at the Woodland School (grades Pre-K – 2) and the Powder Mill School (grades 3 – 6). The District is currently pursuing plans to replace the Powder Mill School playground and address flooding problems that have plagued the current location for many years. The playground project would also address accessibility issues and create a safer and more age-appropriate environment for Powder Mill School students. The proposed project relies on funding from District financing, parent fundraising, and the Town of Southwick’s Community Preservation Fund. The playground area is also envisioned to be a community resource for community members during times when school is not in session. Its proximity to the new track facility and adjacent parking lot make it particularly attractive to parents of school age children. If funding is approved, construction is slated for summer 2019, with the goal of being available for use at the start of the 2019-20 school year.

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ECONOMIC CHARACTER & EMPLOYMENT TRENDS

As of 2000 only 44% of the labor force in Southwick worked within the town. The primary areas of employment within Southwick include the service industry, wholesale and retail trade, manufacturing and engineering. Transportation, finance, construction, agriculture, and restaurants are other areas of employment.

According to the 2012 Survey, major employment areas in the town of Southwick were Manufacturing (570), Retail Trade (461), Accommodations and Food Services (286), and other services (100).

TABLE 6: PLACE OF WORK FOR SOUTHWICK RESIDENTS, 2003

	Number	Percent of Total
	994	22%
	504	11%
	451	10%
	990	22%
	63	1%
	1,385	31%
	111	2%
	4,498	100%

Source: U.S. Census Bureau, 2003 Commuter Survey

TABLE 7: SOUTHWICK INDUSTRY TRENDS 2001 TO 2018

Number of Establishments			Average Monthly Employment			Average Weekly Wage		
2001	2010	2017	2001	2010	2017	2001	2010	2017
251	273	291	2,593	2,541	2,801	\$500	\$646	\$738

Source: Massachusetts Executive Office of Labor and Workforce Development, Employment and Wage (ES-202) data, 2010, 2018

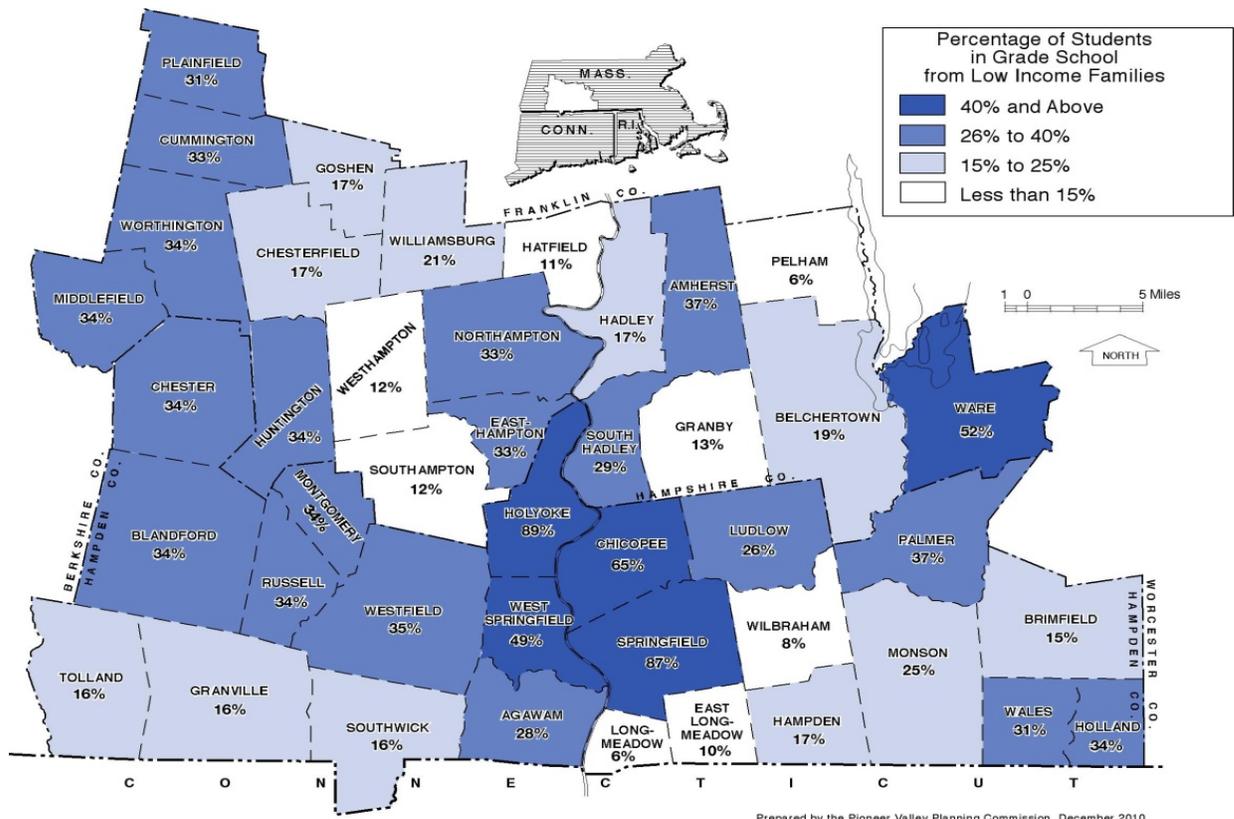
Table 8: Southwick Industry by Number of Establishments, Employees and Wages, 2018

Industry	Establishments	Total Wages	Average Employment	Average Weekly Wage
Total, All Industries		\$107,500,607	2,801	\$738
Agriculture, Forestry, Fishing and Hunting	9	\$2,323,130	110	\$406
Construction	39	\$6,940,278	139	\$960
Manufacturing	15	\$27,475,449	414	\$1,276
Wholesale Trade	21	\$2,875,701	53	\$1,043
Retail Trade	39	\$11,951,811	428	\$537
Transportation and Warehousing	10	\$8,238,533	239	\$663
Information	6	\$617,262	18	\$659
Finance and Insurance	11	\$3,057,384	54	\$1,089
Real Estate and Rental and Leasing	3	\$1,147,380	32	\$690
Professional and Technical Services	7	\$245,887	6	\$788
Administrative and Waste Services	15	\$1,802,783	53	\$654

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Health Care and Social Assistance	47	\$4,590,126	198	\$446
Arts, Entertainment, and Recreation	8	\$1,707,386	101	\$325
Accommodation and Food Services	27	\$4,728,821	325	\$280
Other Services, Except Public Administration	24	\$2,858,051	113	\$486

Source: Massachusetts Executive Office of Labor and Workforce Development, .



Prepared by the Pioneer Valley Planning Commission, December 2010.

D. GROWTH AND DEVELOPMENT PATTERNS

PATTERNS AND TRENDS

Although Southwick’s roots were agricultural, Southwick is now primarily a residential community. In 1990, there were 2,934 housing units, compared to 3,533 in 2000. Most of these are single-family homes on individual lots. Lot sizes vary from as little as 5,000 square feet for a number of the older lots around the lakes to 60,000 for the lots approved since 1972 in the R-40 zones in town. Table 12 includes data for land use changes between 1971 and 1999 for 19 land use categories.

TABLE 9: SOUTHWICK HOUSING UNIT CHANGE: 1990 TO 2010

	1990		2000		2010		2017 (Est.)		Percent Change 1990 to 2010
Total Housing Units	2,934	100%	3,533	100%	3,916	100%	4,034	100%	37%
Occupied Housing Units	2,713	92%	3,318	94%	3,710	95%	3,750	76%	33%
Vacant Housing Units	221	8%	45	6%	206	5%	284	5%	-7%
Vacant Housing Units that are Seasonal Units	87	3%		1%	64	2%	0	0	-26%

Source: U.S. Census Bureau, 1990, 2000, 2010 Decennial Census

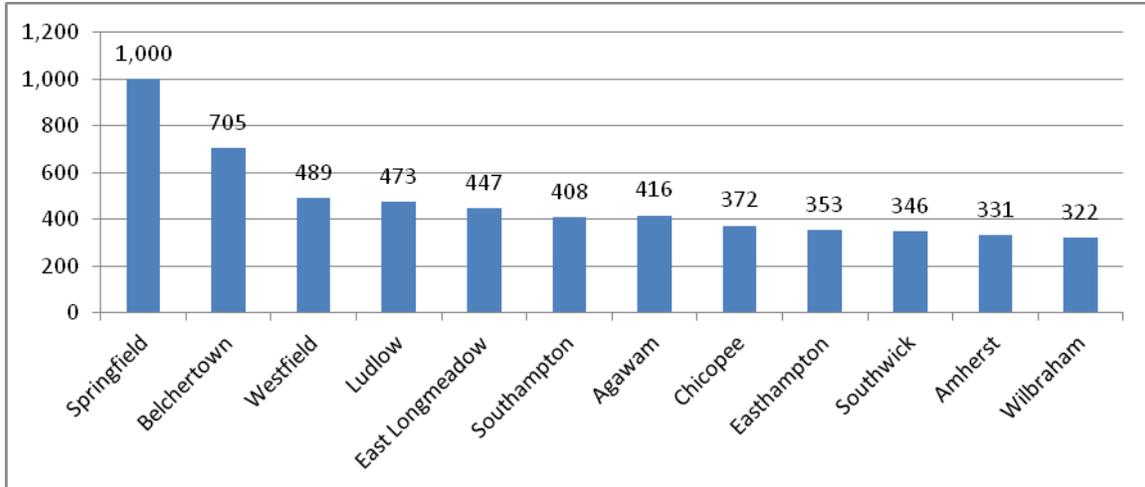
A large portion of Southwick’s housing stock is relatively new. The 2005-2009 ACS estimated that 30 percent of all Southwick homes have been built since 1990 (approximately 1,200 units) compared to the regionwide and statewide percentages of 11 percent and 13 percent respectively. In 2010, 82 percent of all Southwick homes were owner-occupied, and 18 percent were renter occupied. In 2017, 81% of Southwick homes (3,031) were owner-occupied while 19% (703) were renter-occupied. Comparatively, building permit activity in Southwick has been voluminous over the last decade. The town of Southwick ranked tenth in the region for the number of building permits issued from 2001 through 2010 (Figure 8). The number of building permits issued for new single-family homes over the course of a decade compares to towns whose populations are triple to quadruple the size of Southampton respectively as shown in Figure 2. During this past decade residential construction reached its peak in 2004 with 67 building permits issued. Since 2004 the volume of residential construction decreased significantly in Southwick as in most of the Commonwealth and the nation (Table 10). This trend continued through the period of 2010 through 2017, where a total of approximately 60 building permits were issued. It is expected that the rate of new home construction will increase as the second decade of the 21st century closes as there was a resurgence of sub-division development in Southwick.

The Building Department has issued 10 Residential Building Permits for new construction from January 1, 2019 to date.

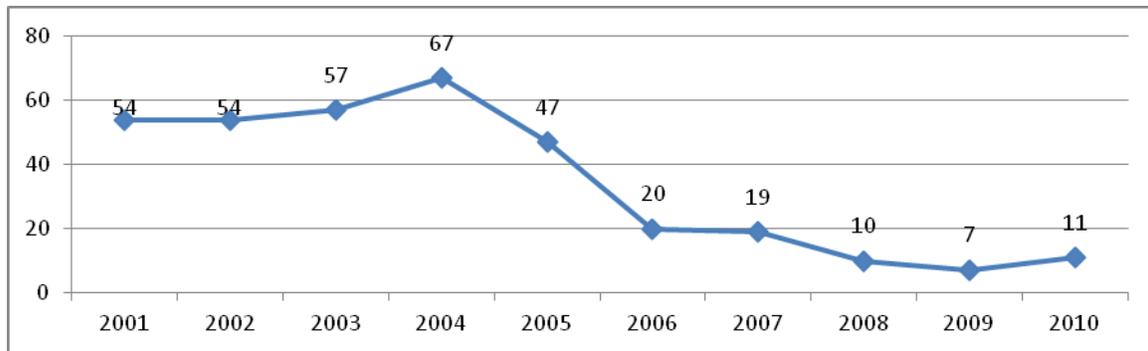
Building Permits issued January 1, 2019 to date total 188. This includes residential, commercial, sheet metal, signs, tents, solid-fuel burning, and mechanical permits. This total does include new construction given above.

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TABLE 10: REGIONAL COMPARISON OF BUILDING PERMIT ACTIVITY FROM 2001 THROUGH 2010



TAQBLE 11: NUMBER OF BUILDING PERMITS ISSUED BY YEAR, 2001-2010



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TABLE 12: LAND USE CHANGES IN SOUTHWICK BY CATEGORY

Category	1971	2005	Change (acres)	Change (percent)
Active Agriculture	3,835	2,659	-1,176	-31%
Pasture	817	635	-183	-22%
Forest	12,062	11,630	-433	-4%
Non-Forested Wetland	264	474	209	79%
Mining, gravel pit etc	112	128	16	14%
Open land, powerlines, no vegetation	355	387	31	9%
Participation Recreation	355	597	242	68%
Spectator Recreation	0	0	0	0%
Water Recreation	1	5	4	344%
Multi-Family	4	84	80	1,966%
Residential less than 1/4 acre lot	26	29	3	10%
Residential 1/4 - 1/2 acre lot	785	741	-44	-6%
Residential Greater than 1/2 acre lot	863	1,770	907	105%
Commercial	104	242	138	132%
Industrial	4	57	54	1,490%
Urban Open, parks, institutional, cemeteries	99	125	27	27%
Transportation	3	15	12	415%
Waste Disposal	9	40	32	358%
Water	498	540	41	8%
Woody Perennial, orchards, nurseries	56	62	6	11%
Total Acres	20,254	20,236	-18	--

Source: MassGIS McConnell Land Use data 1971, 1985, 1999, 2005. Due to technological advances, the spatial accuracy of the 2005 data is substantially more accurate than data for the years 1971, 1985, and 1999. Prior to 2005, the state manually interpreted land cover and land use categories based on aerial photos. In 2005, the land use map was derived directly from an ortho image. This new method maintains much compatibility with the older system. - Negative numbers mean loss of land

In the 1979 Southwick Open Space Plan, a comparison between the 1972 and 1952 dates showed 34.7% decline in agriculture and open land between those years. This considerable loss of valuable agricultural land both to development and abandonment to natural succession continued into through the 1990s with a 12% decline in agriculture (cropland and pasture) and open land between 1971 and 1999. Forestlands decreased 11.2% between 1971 and 1999 most likely due to the continued development trends. There was a 191% increase in residential land use (4 residential categories combined), a 189% increase in commercial land use, and 927% increase in industrial land use between 1971 and 1999. Some of the more recent growth trends are due to the following factors:

- Southwick is located within commuting distance of several regional employment centers including Springfield and Hartford;
- Large amounts of prime agricultural land are now being developed into residential subdivisions. For example, between 1990 and 2000 the total number of parcels increased from 2,565 to 3,163, or 23.3%. Presently, 84.7% of the total parcels are single family residential; and,
- Southwick is undergoing strong pressures from residential growth, which is out pacing commercial and industrial growth by six times the amount.

These factors have led to the following results:• Housing prices have increased steadily since 1997; the median home price is approximately \$290,000 for a single-family dwelling by 2017;

- The number of households in Southwick is increasing more rapidly than the size of the population;
- Increased residential growth is projected to significantly increase traffic on both major arterial roads as well as connector streets; and,
- With 7,747 acres of developable land without constraints, residential growth is expected to continue.

INFRASTRUCTURE

TRANSPORTATION

Southwick does not have any form of public transportation. Such services are available only by traveling to Westfield (bus and airplane, Barnes Municipal Airport), Springfield (bus and train), or (airplane, Bradley International Airport) in Windsor Locks, Connecticut. Consequently, most traveling is done by automobile.

Although the emphasis has been primarily on vehicular transportation, there has been an increase in the amount of bicycle use in recent years. A feasibility study conducted by the Pioneer Valley Planning Commission determined that a fixed bus route on certain roads could not pay for itself. The town is divided into four major units by Routes 10/202, which run in a north to south direction, and by Route 57, which runs in an east to west direction.

Most roads within town are in very good condition, however, there are a few roads where development recently occurred, that are as yet unpaved and may stay so for quite some time. Some of these unpaved roads can be classified as scenic ways (as long as they are classified as town roads). Major improvements included the widening of Route 57 from North Longyard Road to College Highway. This will increase the ease of access and will likely result in increased residential development within the town. The state has also completed the widening and repaving Routes 10/202 from the Town Hall to Tannery Road, which improves the ease by which people access Southwick from the northerly and southerly direction through the use of vehicular transportation.

As Southwick rebuilds their roads, they ensure that sidewalks are incorporated into the design process. When Routes 10/202 were widened and repaved in 2012/13 sidewalks were added to both sides of the highway to ensure pedestrian access along the route. When Congamond Road was rebuilt in 2019 a sidewalk was installed for the entire length of the road. Sidewalks on Powder Mill Road to the Rail Trail will be considered in the future, possible through a Safe Routes to Schools grant program

WATER SUPPLY

Most of the town's population east of Routes 10/202 and a very small portion of the town west of Routes 10/202 are supplied by town water drawn from the Great Brook Aquifer. Most of the western section of Southwick will not have access to public water for a long time and relies on private wells. A few homes on the west side of the town draw on a small aquifer at the base of Drake and Sodom Mountains (Loomis Ridge Aquifer), located in the Munn Brook Valley. In 1996 the water main on College Highway was replaced with a larger line, with an extension on Depot Street being constructed in 1997. In 2003, the Congamond Road water line was replaced. The cities of West Springfield and Westfield also have municipal wells that draw from the Great Brook Aquifer and share the Zone II aquifer recharge area. Presently a new well, called a redundant well, has been installed in proximity to the original well for increased pumping capacity.

SEWAGE SYSTEMS

Currently, there is only a limited sanitary sewer system in Southwick. The majority of the sewer system that was installed in 2004 primarily covers the center of town, and the lakes area. This new system should go a long way towards addressing the age-old

problems of septic system failure and drainage run off. This is especially true along the more densely populated Congamond Lakes, where nutrient loading from septic systems has contributed to an increase in eutrophication and other environmental problems. Otherwise, most homes, businesses, and industries must still provide and depend upon individual septic systems. Septic systems and other means of on-site sewage disposal are regulated by the Southwick Board of Health under Title 5 of the Massachusetts Environmental Code.

STORMWATER

The Southwick Public Works Department and Management Committee (LMC) began the initial work in 1997 on a long-term plan to address storm-water management around the Congamond Lakes, a Category 4c Waters on the Massachusetts List of Impaired Waters for nuisance aquatic weeds.

In addition to an intensive aquatic weed management program overseen by the Conservation Commission, the Town has undertaken investments to improve the Congamond Lakes and the municipal infrastructure that exists within the watershed including:

- Mapping all outfalls and catch-basins in Southwick with GIS and creating a database for their operation and maintenance;
- Installing ten (10) deep-sump catchbasins and four (4) Baysavers™ for fine particulate and oil/grease removal. The outfall for each of the subwatersheds was restored with grassed swales to the lake's edge in the Middle Pond watershed at:
 - Berkshire Avenue, Grandview Street and White Street
 - Berkshire Avenue, Echo Street , Evergreen Street, and Wood Street
 - Berkshire Avenue, Pine Street and Brayton Drive
 - Berkshire Avenue, Evergreen Street, Oak Street, and Island Pond Road
- Performing annual street sweeping;
- Purchasing of a vacuum truck for regular cleaning of catch-basin sumps; and
- Installation of a detention basin and vegetated swale at a 42" outfall on Middle Pond.
- *Eagle Street Restoration* – Installed 3 catchbasins, a Baysaver, restore outfall with grassed swale and macadam berm/road milling to road edge to redirect runoff.
- *Castle Street Restoration* – Installed 1 deep sump catchbasin, 2 catchbasins, a Baysaver, restore outfall with grassed swale and macadam berm/road milling to road edge to redirect runoff.
- *North Lake Avenue and Summer Street Restoration* – Installed 8 deep sump catchbasins; Stormtech Infiltration Chambers; macadam berm at road edge to redirect runoff, outfall restoration with grassed swale, in-lake sediment removal at outfall, grading and restoration of adjacent unpaved access road including installation of a vegetated trapezoidal channel.
- *Lakemont and Veteran Street* – Installed 4 deep sump catchbasins, a Baysaver, restore outfall with grassed swale and macadam berm/road milling to road edge to redirect runoff.

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- *136 Berkshire Avenue* – Replaced 3 shallow catchbasins with deep sump basins, a Baysaver, Stormtech Infiltration Chambers; macadam berm at road edge to redirect runoff.
- *Lakemont Street* - As part of a Community Development Block Grant, a new water man and additional drainage with deep sump catch basins were installed, along with the road being widened to a consistent 20' paved width.
- *Veteran Street* - As part of a Community Development Block Grant, a new water man and additional drainage with deep sump catch basins were installed, along with the road being widened to a consistent 20' paved width.
- *Congamond Sanitary Sewers* - The Town installed sewers to 95% of the Massachusetts waterfront (60% of total waterfront), with mandatory hookup. The remaining 5% of homes is being evaluated for the next phase of the sewer system. Connecticut has made several, so far unsuccessful, attempts as "selling" a sewer system for the Connecticut waterfront properties.
- *Canal Brook* - Twin stainless-steel double-acting weir gates were installed in Canal Brook to replace batter boards formerly used to control and maintain the lake level during periods of heavy rainfall and drought. These weir gates provide both underflow and overflow capabilities for this primary outlet for Congamond Lakes.
- *Lakes Area Weather Station* - Lake Management Committee (LMC) and Southwick Emergency Management volunteers have been building a weather station with Town funding that will have remote monitoring of the level and temperature of Congamond Middle Pond, Canal Brook and Great Brook. When completed, this web-based station will provide critical data
- *Lakes Water & Bottom Analysis* - Lake Management volunteers have taken wet and dry weather samples of 10 of the stormwater outfalls in Congamond, along with lake and canal bottom (muck) samples and literally thousands of lake water samples that have been analyzed for various parameters. This data is tracked and trended by LMC volunteers and reported to the Town's consultant limnologist. This data clearly shows that 14,000 years of accumulated phosphorus-laden muck is the prime catalyst for the increasing frequency of algae blooms, including Cyanobacteria blooms.
- *Congamond Water Quality Improvements* - Based on the above data, the Town's consultant limnologist has made recommendations for long-term "fixes" for the degraded water quality, including a whole-lake alum treatment and selective dredging of the Canal, followed by selective dredging of shallow, muck-laden coves in these three hydraulically linked glacial age ponds. Funding for the alum treatment and some dredging to remove the phosphorus-laden muck is included in the FY2019 Environmental Bond Bill but has not yet been released to the Town.
- *Dredging Congamond Lakes* - The LMC has provided legislators with a 5-year plan and funding needed to address the accumulated muck in the rest of the shallow areas in this Commonwealth Great Pond.

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- *Stormwater Hazard Mitigation* - The Town DPW has sought funding for, replaced and upgraded two structures on Shurtleff Brook: (1) South Loomis Street Culvert (2) North Loomis Street Bridge. In addition, two more Shurtleff Brook structures are designed and permitted: Granville Road culvert by Hastings Road and Fred Jackson Road culvert by Granville Road. The Granville Road culvert was completed in October of 2019. In 2019 The DPW received funding from a Municipal Vulnerability Preparedness (MVP) grant for replacing the degraded Klaus Anderson Bridge on Tuttle Brook.

SOLID WASTE

Currently, there is a town operated transfer station in Southwick that places emphasis on recycling, which was increased to meet the recycling goals set in the state's Solid Waste Master Plan. The town currently sends its trash and recyclables to regional facilities.

LONG-TERM DEVELOPMENT PATTERNS

CURRENT AND FORESEEABLE DEVELOPMENT PATTERNS

Construction of new homes in subdivisions has replaced many areas of farmland and forested land. Care must be taken to protect and manage remaining open space for water supply protection, habitat and recreation.

Some open space is being created through the Flexible Residential Development (FRD) zoning bylaw which requires 40% of the buildable area to be devoted to open space. The fourteen FRD subdivisions that have been built in Southwick are listed in Table 13. This can happen in three ways:

- Open space is given to the town
- Open space is put into a homeowner's association
- Open space is conveyed to a farmer with an agricultural preservation restriction

There have been problems with the process of not specifically requiring that all of the Open Space be approved by the Commonwealth under the Article 97 process leaving some of the Open Space properties with only a thirty-year protection instead of being protected in perpetuity. The Open Space and Recreation Committee is strongly recommending the Planning Board revise these regulations as written.

See Appendix A6 - Subdivision Open Space for List of Properties

With the increase in residential growth, the character of the town could be lost if efforts are not made to retain more open space. People are building their homes here because of the farms and forests, but this development can threaten Southwick's rural character.

LOCAL ZONING

The zoning in Southwick is characterized by 90% of the land being zoned for a variety of residential uses, 8% zoned industrial restricted, and only 2% of the land being zoned for business. Approximately 19% of the town is zoned as an Agriculture and Conservation District, however residential uses are allowed by special permit in this zone.

Unless we plan for protection of open space now, urbanization will continue in Southwick at a significant rate, leaving little or no open space for the future. Because the amount of developable land in Westfield and Agawam is limited, development pressure will continue in Southwick if not controlled.

The majority of Southwick's land surface zoned residential is divided into two densities. Present zoning calls for lots of a minimum of 40,000 square feet in the R-20 Zone, and 60,000 square feet in the R-40 Zone. West of 10/202 is predominantly zoned R-40, while much of the Congamond Lakes area is R-20. The Zoning Bylaws allow for duplexes in both the R-40 and R-20, with increased frontage and lot area requirements. The Zoning Bylaws also allow for apartments in the R-20-A zone under special conditions.

The Flexible Residential Development (FRD) Zoning Bylaw was adopted in 1992 and allows for 40% of a subdivision be set aside as open space with the potential for recreational pursuits or to preserve farmland that gives Southwick its rural character. This type of development is allowed in any residential zone, except those that fall within the Agriculture / Conservation zone and allows for lot sizes to be as small as 40,000 square feet.

The Flexible Residential Development Bylaw requires that a subdivision development leave a minimum of 40% of the buildable land as open space. In return the Planning Board can waive certain requirements such as cul-de-sac length and lot size. The open space cannot include wetland areas or slopes greater than 25%. The open space can be deeded in three ways. It can be deeded to a farmer who will maintain the agricultural use of the land, a homeowner's association can be formed, or the land can be turned over to the town.

The Phased-Growth Bylaw, adopted in June of 1996, provides for 50 building permits per year for the next five years, with a maximum of 100 permits over a two-year span. This time period enables the town to finish essential infrastructure projects, facilitates rewriting and implementation of the master plan, and provides time for action on the recommendations of this report. This bylaw was extended for an additional five years in 2001 in the best interest of the town. The building permits never exceeded the cap that was permitted so The Phased-Growth Bylaw was never needed and was eliminated and is no longer in effect.

In 1974, the town established an Agricultural and Conservation District (AC). This covers the floodplains along the Great Brook as well as the town's well fields, and also

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includes the Sodom Mountain Range and the Provin Mountain Range, Goose Pond Area, and prime agricultural areas. The purpose of the AC zone is to protect natural drainage, flood retention areas and the natural water table, to prevent water pollution and soil erosion, and to continue and promote agricultural use. Residential homes may be constructed here with the granting of a Special Permit.

On January 9, 2006 at Town Meeting the voters unanimously agreed to establish an Agricultural Commission to represent Southwick's agricultural community. The Commission shall serve as a facilitator to encourage the pursuit of agriculture in the Town of Southwick, shall promote agriculture-based economic activities in the Town, shall act as mediators, advocates, educators, and/or negotiators on agricultural issues; shall work for preservation of prime agricultural lands and; shall pursue all initiatives appropriate for creating a sustainable agricultural community.

The term agriculture shall include, but shall not be limited to, the production of crops, livestock, equine, horticulture, aquaculture, forestry, nurseries, greenhouses, apiaries and related activities. The members of this Commission have been sworn in and they have had their first meeting.

The Southwick Planning Board, through recommendations made by the Board of Health has implemented restrictions on both residential homes and business/industrial uses located within the Wellhead Protection District (which includes the Zone I, Zone II and Zone III Aquifer Recharge Areas). Some of the restrictions include no underground storage tanks, limitations on pesticides and fertilizers, and specific restrictions on septic systems and periodic septic tank pumping. As of 2019 the Health Agent for the Town commented that these practices are rarely used.

Along two sections of Routes 10/202 lie the Business Restricted Area, in which businesses are permitted with the issuance of a Special Permit. Additionally, scattered in other sections of town there are areas zoned Business (B), including an area on the southern portion of Routes 10/202 where the Big Y/Ocean State Job Lot shopping center is located and a small shopping center across the street with McDonald's and several small businesses.

In both Business zones residences previously had been prohibited, but on 12/06/16 Planning Board regulations were revised to allow residences in the BR Zone if they receive a Special Permit. There are two types of Industrial Zones (IR or I), while regulated, much of the IR zone also lies within the Wellhead Protection Area.

The industrial area located on the eastern side of route 10/202 near the Connecticut line remains agricultural. The main industrial area that is in use is located along Route 57 across from the High School and includes the manufacturing firms of Comark, Whalley Precision, Whalley Computer, Westfield Gage, Progressive Tool, Target Restorations, B&E Tool and D & S. Manufacturing.

A Flood Hazard and Wetlands District was established in 1978 in the Zoning Bylaws, which regulated development in the 500-year (or .2% probability each year) floodplain of lakes, rivers and streams. This district is displayed on the Zoning District Map and is based on the preliminary flood insurance mapping that was available from the National Flood Insurance program at the time. The Zoning District Map was updated and revised in 1986 to include the Federal Emergency Management Agency Floodway maps dated July 16, 1984.

SECTION 4: ENVIRONMENTAL INVENTORY AND ANALYSIS

A. GEOLOGY, SOILS AND TOPOGRAPHY

TOPOGRAPHY

Southwick's eastern border with Agawam and western border with Granville are formed by the Provin and Sodom Mountain ranges, respectively. Both provide scenic vistas as well as recreational opportunities for the surrounding towns and region. The Metacomet-Monadnock Trail passes north to south through the Provin Mountain range. The Provin Mountain range extends to the south as Suffield Mountain in Connecticut. Just west of Suffield Mountain and Mountain Brook lies the parallel ridgeline of Huckleberry Mountain, which forms the eastern limit of drainage to the Congamond Lakes.

Going westward, the land drops more gently down rolling hills to an extensive area of flat-topped terraces overlooking Great Brook and the Congamond Lakes. These terraces, with flat tops and steep sides are typical of the entire east central area of the town from Congamond Lakes in the south to the Westfield border in the north.

The western half of town, including much of the town center along College Highway, is characterized by rounded or elongated (north to south) hills interspersed with more level areas of wetland, stream bottom, or small terraces. In the northwestern area of town, the Munn Brook Valley has extensive areas of flatter terraced land and floodplain.

Along the western edge of town, the land rises steeply to form the rugged Sodom Mountain and Drake Mountain at the northwestern corner of town. The Sodom Mountain range has several town conservation areas, among which are the Granville Gorge, an area of distinctive rock formations and a beautiful waterfall, which drops, into a shallow pool.

SOILS

The Pleistocene glaciation was the prominent influence that shaped much of the present surface of Southwick and the drainage basin of the Congamond Lakes. Glacial erosion smoothed the higher hills and glacial till is generally reddish-brown, compact, nearly impermeable, unstratified, and non-sorted to poorly-sorted.

It is composed mostly of sand, silt, and clay and locally contains pebbles, cobbles, and boulders. The thickness is highly variable, but probably averages about 15 feet. In some areas, where the till was molded into streamlined hills or drumlins, the thickness may be as much as 100 feet. Deposits of this type cover most of the western half of the town, except for the Munn Brook Valley and adjacent terrace. Till is also found on Stony Hill, Round Hill, and the slopes from Provin Mountain to North Longyard Road. Bordering the Congamond basin on the east and west are glacial till deposits on Huckleberry Mountain and along Sheep Pasture Road.

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Soils are a major consideration in planning for wise management of Southwick’s land use and natural resources. Soils are a product of geologic history, the parent material, topography, climate and time. The soils of Southwick have formed primarily in materials influenced by glaciation. The upland hills, ridges, and drumlins are covered with 2 to 3 feet of relatively permeable, often stony, sandy loam material underlain by heterogeneous glacial till (normally with a dense hard pan), or bedrock (ledge). The hard pan soils are often subject to seasonally high-water tables. The mountain ridges to the east and west generally have extensive areas of shallow to bedrock soils with numerous bedrock outcrops.

The soils of the terraces above Great Brook, Munn Brook, and the Congamond Lakes are formed in materials influenced by glacial melt water deposits. Surface soils in these areas are generally permeable non-stony, sandy loams, underlain primarily by sands, gravels, and silts, with some clays. Low-lying areas often have a high-water table. The major wetlands are underlain either by deposits or till. Along the larger streams, such as Great Brook or Munn Brook, there is often a narrow band of alluvial soils formed by over bank flooding and channel deposits. The major soil types found in Southwick are described in Table 15.

TABLE 15: MAJOR SOIL TYPES

SOIL TYPE	DESCRIPTION
Charlton-Woodbridge-Paxton	well and moderately well drained on glaciated uplands, nearly level to steep
Wethersfield-Meckesville	well drained on glaciated uplands, gently sloping to moderately steep
Hinckley-Windsor-Merrimac	excessively and somewhat excessively drained on glacial out wash terraces, nearly level to steep
Rock Outcrop-Holyoke	shallow, somewhat excessively drained soils on glaciated uplands, gently sloping to steep rock outcrop

The Charlton-Woodbridge-Paxton soils are primarily located along the western edge of town and in the central portion east of the Congamond Lakes. The Wethersfield-Meckesville soils are found centrally located within the town from the Westfield border to the Congamond Lakes. Hinckley-Windsor-Merrimac soils are found throughout the town in the western section, in the southern tip of town extending along the lakes and representing the majority of soils in the eastern half of Southwick. The Holyoke Rock Outcrop along Provin Mountain characterizes the eastern edge of Southwick. Most of the development over the past several years has occurred within the Hinckley-Windsor-Merrimac soil areas (nearly the entire eastern half of the town). This presents problems in regard to aquifer pollution since the soils are excessively drained. Now with the modern Title 5 requirements increased use of septic systems within these areas there is no longer a concern that this would nullify the natural filtration process and thereby contaminate the town’s water supply.

B. LANDSCAPE CHARACTER

Southwick is bounded by Sodom and Drake Mountains on the west and by Provin Mountain on the east. Elevations range from a high point of 1100 feet on Drake Mountain to 150 feet along Great Brook. The central portion of the town is characterized by rolling hills and is dissected at many points by small streams. There are relatively level terraces that are found extensively in the Congamond Lakes and Great Brook regions.

The diversity of vegetation is also important to the scenic qualities of Southwick. Present are a mix of forests, farms, abandoned fields, open water bodies, and wetlands. Specific scenic areas include the Congamond Lakes, Provin and Sodom Mountain ranges, Granville Gorge, Solek Hill, Goose Pond, and the Great Brook. The variety of this terrain offers spectacular scenic vistas and recreational opportunities and offers a wide variety of landscape features for future protection and preservation.

C. WATER RESOURCES

WATERSHEDS

Southwick is located within portions of three watersheds. The majority of the Town is within the Westfield River Watershed (HUC 01080206) and contains the Great Brook and the Munn Brook drainage basins. Also, small areas of the southwest corner and eastern side of the Town are in the Farmington River Watershed (HUC 01080207) containing the Bradley Brook and Palmer Brook drainage basins and the Lower Connecticut River Watershed (HUC 01080205) containing the Still Brook drainage basin respectively.

SURFACE WATER

Southwick boasts a total of over 465 acres of surface water for Congamond Lakes alone, or over 2% of the town's area. The major surface water resource of Southwick is the chain of three connected lakes, collectively known as Congamond Lakes (North, Middle, and South Ponds). The lakes drain southward into Canal Brook, and northward into Great Brook, the town's largest surface stream.

These lakes are the focus for considerable recreational use and are ringed by residences and recreational facilities. Boating, fishing, and swimming are popular forms of lake recreation. Public access consists of 4 locations: North and South Boat Ramps located on either end of Middle Pond (owned by the state and managed by the Lake Management Committee), South Pond Beach open to the public for swimming and recreational activities (managed by the Park and Rec. Commission), and the Fishing Pier and adjacent Gazebo which is used for fishing and picnicking (managed by the Lake Management Committee).

Canal Brook begins at the southern end of South Pond, and flows southerly into Connecticut, and eventually into the Farmington River.

Great Brook, from its outlet at the southern end of Middle Pond flows west and north of the lakes, turning easterly just south of the town center and then northeasterly into Westfield. Both streams eventually flow into the Connecticut River.

Great Brook flows past the well fields for Southwick, the City of West Springfield, and the City of Westfield. It is reported that the West Springfield well fields can cause

significant induced infiltration from the brook. Owing to the wetlands and/or steep escarpments adjacent to Great Brook, there has been little development immediately along the brook. However, it does flow adjacent to the most densely developed area of town.

During the 1980s, the US Army Corps of Engineers (USACE) dredged ~1900' of Great Brook south of Industrial Drive in an effort to address flooding of Congamond waterfront properties and properties adjacent to Great Brook. While this effort did help alleviate flooding somewhat, decades of erosion, overgrowth, devastating storms and associated fallen trees and the natural accumulation of organic mass, coupled with significant residential and commercial growth in the associated watershed have rendered this former Congamond outlet an all too often reverse-flowing inlet to Congamond during periods of extended heavy rainfall. The Lake Management Committee (LMC) is again seeking assistance from USACE to address some 4+ miles of Great Brook. The LMC monitors and tracks the lake level versus weather and is in the process of adding real-time stream level monitoring to Congamond, Great Brook and Canal Brook.

The towns' other major stream, Munn Brook, in the northwest section, flows out of Granville down a steep and scenic gorge through an area of town owned conservation land. It then turns northerly flowing through a broad valley of mixed residential and agricultural land use. The Munn Brook Valley is underlain by an aquifer, running north to south on the west side of town, which could provide a water supply for that side of town. In addition to the Congamond Lakes and the above-mentioned brooks, there are numerous small brooks, as well as ponds, and impoundments throughout the town. These water bodies are a valuable community resource that contributes greatly to the scenic and rural character of the town. They include Pearl Brook, Johnson Brook, Tuttle Brook, Shurtleff Brook, White Brook, Palmer Brook, Bradley Brook and Slab Brook. Many of the ponds are natural, but some are old farm ponds built during the WPA period and are used for irrigation, water supply, fire protection, and recreation.

The water resources in Southwick are vital components of its open space and recreation. They play an important role in recreation opportunities and are a vital economic resource as well. The lakes offer residents a variety of water-based recreation including boating, water skiing, fishing, and swimming.

Small streams provide greenways for hiking, fishing, and nature study while contributing to the open rural character of the town. They also provide wildlife habitat and serve to protect corridors for wildlife movement.

Several large wetlands, most notably in the Goose Pond area and north of South Longyard Road, provide habitat for wildlife, serve as nature study and conservation areas for residents, and reduce flooding by storing stormwater runoff and releasing it gradually.

FLOOD HAZARD AREAS

These are areas that are susceptible to overflow of streams during periods of heavy flooding including the 500-year storm event (or .2%). The Flood Hazard and Wetlands District is displayed on the zoning map. It is based on the preliminary flood insurance mapping that was available from the National Flood Insurance Program when the town established this zoning district in 1978. In addition, the zoning map was revised and updated in 1986 to include the Federal Emergency Management Agency Floodway maps dated July 16, 1984.

For the most part, Southwick's floodplains are narrow corridors that follow very closely the paths of streams and brooks. These are highly susceptible to flooding at any time of the year when heavy storms can dramatically increase stream levels within a short period of time.

The floodplains of Great Brook and Munn Brook are the area's most prone to flooding. Most of the smaller streams feed into these two and thus they experience the heaviest flooding and cause the most damage during prolonged rainfall.

The areas along the Congamond Lakes are also cause for concern. In addition to damage of buildings directly on the floodplain, development can result in a loss of natural flood storage capacity and can increase the water level of the lakes. Flood levels may then increase, causing damage to structures not normally in the flood path.

Despite the potential for destruction, floodplains can still be considered a positive asset for Southwick. They often make excellent agricultural areas because of flat slope and deposition of fertile sediments and nutrients during flooding.

Floodplains contribute to open space and provide esthetically pleasing views of the rural countryside. Their natural boundaries provide ideal open space linkages. Finally, these areas are valued for recreational activities such as fishing, hiking, and nature studies because of open expanses and varied habitats.

WETLANDS

Southwick has approximately 2,800 acres of wetlands and wet soils. Most of the upland wetlands consist of wooded swamps with limited areas of shrub swamp, shallow and deep marsh and wet meadow. The most extensive wetland area in town is along Palmer Brook, South Pond, Canal Brook and the Goose Pond area at the southern end of the Congamond Lakes. This wetland includes large areas of marsh, shrub swamp, and bog as opposed to the wooded swamps of the upland wetlands. An extensive wetland area also borders Great Brook from its beginning at the Congamond Lakes northward toward the center of town. The floodplain of Great Brook, from South Longyard Road north, includes substantial areas of wetlands as well.

Important wetlands are also found along Munn Brook and the Honey Pot wetland complex on North Loomis Road and Honey Pot Road. This area known as the Loupinski Wildlife Management Area and managed by the Massachusetts Department of Fish and Game is considered one of the most important amphibian breeding sites in the state, hosting 15 of the state's 22 amphibian species. This site consists of a 35 acre wetland complex comprised of 15 different wetland habitats including vernal pools, swamps, bogs and streams.

Wetlands are extremely valuable to a community because of the important role they play in maintaining a safe and healthful environment. Some of the functions they perform are:

- During periods of heavy rainfall, they act as natural water storage areas, reducing damage from flooding. Preserving wetlands can reduce the need for expensive structural flood control measures.
- Wetlands protect water quality by trapping and filtering sediments from upland runoff. If wetlands are altered these sediments may then clog stream channels and fill ponds and lakes.
- By trapping nutrients from runoff, wetlands make highly productive ecosystems and contribute to the overall balance and diversity of the environment.

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- Wetlands provide habitat for a great variety of amphibians, plant and animal life, and thus can provide recreational and educational opportunities for residents.
- Wetlands are generally linked to the ground water system. Depending upon underlying formations, surface water may percolate through and add to ground water supply.
- Wetlands serve as discharge/recharge areas for aquifers. Alteration here can seriously disrupt the ground water system, create drainage problems and affect water quality.

AQUIFER RECHARGE AREAS

Southwick's most significant ground water resource is the Great Brook Aquifer, a deep buried sand and gravel deposit at least 40 feet thick, which is saturated year-round. The Great Brook Aquifer closely parallels the course of Great Brook north of the Congamond Lakes and lies beneath the lakes as well. The Aquifer provides water that does not require filtration or any chlorination. This important regional resource provides the communities of Southwick, Westfield, and West Springfield with a total of 12.5 MGD (million gallons per day). It is estimated that potential supplies may equal or exceed 20 MGD. The storage volume of the aquifer is estimated to be 15 billion gallons.

Aquifer recharge areas are areas of porous soils that allow for the downward infiltration of surface water. Like aquifers, these are typically sand and gravel deposits where water can pass through freely. In Southwick, the major recharge areas lie within the town and contribute directly to the ground water supply; thus, activities on the surface have a direct effect on the water quality of the aquifer.

D. VEGETATION

GENERAL INVENTORY

Southwick’s vegetative cover is as diverse as its topography and is a major facet of the town’s scenic and rural character. Its forests and farms provide aesthetic, economic, and recreational benefits. Wetlands and abandoned fields also add important habitat elements for a diverse wildlife population. The Southwick Resources Inventory of 1973 states: “Approximately 60% of Southwick is forested. Southwick still has an abundant supply of woodland resources to adequately meet its immediate needs. However, prompt and serious consideration should be given to forestry and forestland in any town planning. With population throughout the state increasing, it is obvious the woodlands of such towns as Southwick will receive much heavier use and demand in the near future. It is, therefore, increasingly important that both private and public lands of Southwick be retained where possible and managed on a multiple use basis to derive the maximum products and services for the benefit of the largest number of people. Since many persons with varying objectives and interests control the forestland in Southwick, it is difficult to institute the multiple-use management on a large scale. Public understanding of the importance of forests to the economy and welfare of Southwick and of many other less tangible values available from the forest is needed in order to gain necessary popular support for intensive town-wide multiple use forest management”.

FOREST LAND

Even though there has been a loss of forestland since this original resource inventory, Southwick still had 11,658 acres of forestland in 1985 according to the University of MA aerial photographic study. This constituted approximately 58% of the town. The concerns expressed in 1985 are still valid today and town-wide multiple use forest management should be pursued vigorously. The Mass GIS 2005 Land Use data layer identified 11,630 acres of forest, a 4% decrease since 1971. The Forest Land Assessment Act (M. G. L. Chapter 61) provides an incentive for good stewardship of forestlands. The law provides for a tax deferment on forestlands of over 10 acres that are managed in accordance with a plan approved by a state forester. In addition, financial assistance is available for certain forest management practices through a federal cost share program administered by the Agricultural Stabilization and Conservation Service.

As of June 2019, there are 954.90 acres of land enrolled in Chapter 61 Forestry program or approximately 4.4% of the land in Southwick. The town is home to a variety of species including oak, hickory, and maple which are characteristic of the region’s deciduous forests. Also present are the coniferous species of pine and hemlock.

61	954.90
61 A	3,998.25
61B	1,284.34
APR	1,019.27
TOTAL	7,321.10

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AGRICULTURE

Agriculture is still an important, although changing, industry in Southwick. Southwick’s agricultural productivity is as varied as the town itself. Dairy and beef cattle farms, horse farms, vegetable farms (and farm stands), orchards, Christmas tree farms, nursery establishments and green houses are all part of Southwick’s agricultural base. Since 1971, there has been a 30% decrease in cropland production, and a 22% decrease in pasture land. Acreage in orchard/nursery production has increased slightly.

Southwick should continue to encourage agricultural enterprise in the future. Too many communities have realized too late the important role agriculture can play in the well-being of a town. The diversity created by hedgerows, stonewalls, and open fields producing crops tend to relieve the monotony of surrounding forested land. The cropland-woodland edges provide open space and an attractive aesthetic. The encouragement of the traditional agriculture business will benefit the community as a whole. Massachusetts General Laws Chapter 61A provides for tax assessment of agricultural lands based on the crops produced, rather than the development value of the land. This helps to ease the owner’s tax burden and contributes to economic survival of the property. In return, the town has the right of first refusal if the farm is to be sold, and a penalty of back taxes must be paid if the land is ultimately developed.

There were 4,453 acres of farmland as of September 1998, under the Chapter 61A program within the town, which equaled approximately 20.2% of Southwick’s land area. In 2010, there were 3,996.14 acres of farmland in 61A (including APR); in 2012, 4,483 acres of farmland in Chapter 61A and APR combined, an increase of 487 acres since 2010.

Farms enrolled in or eligible for Chapter 61A are also eligible for the state’s Agricultural Preservation Restriction Program. This program provides another tool to help preserve agricultural land. Under this program, farmers who apply and are selected will be paid the difference between the development and agricultural values of their land, for a permanent restriction of the land from development. In 2012 there were 795 acres under APR, an increase of 28 acres since 2010. In 2019 there are 1,019.27 under APR an increase of 224.27 acres since 2012. The program is administered locally by the Southwick Conservation Commission.

TABLE 19: ACREAGE IN AGRICULTURAL PRODUCTION

Agricultural Form	1971	1985	2005	2019
Cropland	3,835	3,844	2,661	2,044.95
Pasture	817	816	635	455.23
Orchard	56	54	12	15.95
Nursery			50	50.12

Public Shade Trees

The powers of the Southwick Tree Warden are specified in MGL Chapter 87, Section 2, “Section 2. The tree warden of a town may appoint and remove deputy tree wardens.

He and they shall receive such compensation as the town determines or, in default thereof, as the selectmen allow. He shall have the care and control of all public shade trees, shrubs and growths in the town, except those within a state highway, and those in public parks or open places under the jurisdiction of the park commissioners, and shall have care and control of the latter, if so requested in writing by the park commissioners, and shall enforce all the provisions of law for the preservation of such trees, shrubs and growths. He shall expend all money appropriated for the setting out and maintenance of such trees, shrubs and growths, and no tree shall be planted within a public way without the approval of the tree warden, and in towns until a location therefor has been obtained from the selectmen or road commissioners. He may make regulations for the care and preservation of public shade trees and establish fines and forfeitures of not more than twenty dollars in any one case for violation thereof; which, when posted in one or more public places, and, in towns, when approved by the selectmen, shall have the effect of town by-laws.”

The Southwick Planning Board also has Shade Trees identified in their subdivision requirements.

Section 315-46 {Amended 4-26-2016}.

Where in the opinion of the Board, existing trees are inadequate, shade trees no less than four (4) inch caliper (at a point 4 ½ feet above the ground) and of such species as the Board may approve shall be planted; such trees shall usually be spaced not more than 40 feet apart, on both sides of the street, no closer than 5 feet or more than 10 feet of the front lot line or as otherwise approved by the Board, and planted in ½ cubic yard of loam. Trees shall be properly wrapped and guyed in a manner to ensure their survival. In wooded areas existing specimen shade trees shall be left in place where practicable and lots in such areas shall not be cleared except as approved by the Board.

E. FISHERIES AND WILDLIFE

INVENTORY

The town has an abundance of most types of animals native to the region. Because of the diversity of the vegetation and access to wetlands, birds and small animals abound. Residents have reported numerous bobcats, black bear, moose and deer sightings. In certain areas, small, but visible deer herds thrive. Migratory birds, especially waterfowl, find Southwick attractive due to the nature of its cover and available food. One birder in town has reported to the Massachusetts Audubon Society that he has sighted a total of 178 species of birds in the vicinity of Goose Pond over a nine-year span.

VERNAL POOLS

There are 5 Certified Vernal Pools and 52 Potential Vernal Pools as mapped by Mass GIS.

CORRIDORS

The major corridors for wildlife migration within the town include the Sodom and Provin Mountain ranges, the Great Brook corridor, the wetland area of Goose Pond, the significant open farmland south of South Longyard Road, and the many scattered open fields and farmland throughout the town. Munn Brook is an especially important stream flowing out of Granville Gorge, along the base of Drake Mountain (in the Provin Mountain Range), into the Honey Pot wetland complex, recognized for supporting a diversity of rare amphibian species.

HUNTING AND FISHING

Deer hunting areas can still be found in the western part of the town in the hill country adjacent to the town of Granville. Grouse, woodcock, raccoon, and gray squirrel are to be found in this same habitat. Black squirrels, originally imported to Westfield from the south, have migrated to Southwick in recent years as well. Limited duck hunting can be had in the area of Goose Pond and Great Brook. Congamond Lakes serve as a staging or gathering area for ducks in the fall, but due to legal restrictions, hunting the waterfowl is outlawed. Nature enthusiasts, wildlife photographers, and waterfowl observers make a great deal of use of this area. In the year 2008 Massachusetts Fish and Wildlife purchased 250 acres off of South Longyard Road that is now a Wildlife Management area that abuts a 250-acre Wildlife Preserve in Connecticut that provides bird hunting for both states. Field edges are common in the large agricultural holdings, especially in the eastern section of Southwick, and provide habitat that harbors many kinds of wildlife such as songbirds, rabbits, and pheasants.

In the year 2018 the State purchased an additional 83 acres abutting the 250-acre Wildlife Management Area preserving this property in perpetuity.

Southwick has many small ponds, which were formerly used for irrigation water. These small ponds ranging from $\frac{1}{4}$ to several acres in size provide excellent habitat for fish, waterfowl, furbearers, and songbirds. The Congamond Lakes are an excellent area for fishing. Congamond Lakes provide a fine fishing area for both warm water and cold-water species. Trophy size lake trout and large-mouth bass are taken every year, and warm weather species such as bass, pickerel, and perch are abundant.

The Commonwealth stocks trout and salmon annually and heavy pressure is experienced there in the early stages of the trout season. Alewives were introduced decades ago and serve as forage for trout and sports fish species.

Two state access points to the lakes are heavily used by boaters as well as fisherman. Another 65-space public parking area recently constructed by the Lake Management Committee with a Massachusetts Turnpike Tourism Grant serves as a parking lot for fisherman and general sightseers.

The town's Lake Management Committee (LMC) also sponsored the addition of a 200-foot long handicap-accessible public fishing pier and boarding docks at the North Ramp. The pier, boarding docks and associated amenities were built with a combination of Massachusetts Office of Fishing & Boating Access (OFBA) bond funds and Massachusetts Turnpike Authority Tourism Grants. This LMC manages the public access areas, along with the new fishing pier and associated gazebo and park-like facilities. The OFBA reconstructed the launch facilities at North Ramp in 2014 and the South Ramp in 2018, including adding another handicap-accessible boarding dock at the North Ramp and one at the South Ramp.

Stream fishing for trout can be enjoyed in Munn Brook and Great Brook. Congamond Lakes and Munn Brook are stocked once or twice a year by the Division of Fisheries and Wildlife. Many of the streams and brooks support native trout and are supplemented by annual stocking.

RARE, THREATENED AND ENDANGERED SPECIES OF FAUNA

The Loupinski Wildlife Management Area and Honey Pot Wetland Complex is considered one of the most important amphibian breeding sites in the state, hosting 15 of the state’s 22 amphibian species. This site consists of a 35-acre wetland complex comprised of 15 different wetland habitats including vernal pools, swamps, bogs and streams. In 2002, NHESP recognized the Honey Pot wetlands to support six known state-protected rare species including: the only known population in New England of the Agassiz’s Clam Shrimp (*Eulimnadia agassizii*) – Endangered; the once abundant but presently very limited Eastern Spadefoot Toad (*Scaphiopus holbrooki*) – threatened; one of only three known sites in Massachusetts and Florida for the American Clam Shrimp (*Limnadia lenticularis*) – Special Concern; the Spotted Turtle (*Clemmys guttata*) – Special Concern; the Jefferson Salamander (*Ambystoma jeffersonianum*) – Special Concern; and the Four-toed Salamander (*Hemidactylium scutatum*) – delisted, formerly Special Concern.

RARE, THREATENED AND ENDANGERED SPECIES OF FLORA

Table 18 identifies six vascular plant species recorded by NHESP as present in Southwick. 1 Gabriel, Marea, NHESP. Letter to Joel Lerner, EOEA regarding Southwick’s Self Help Proposal for the Loupinksi Property. 2002. Both shrimp species are listed in just over the town line in Westfield and not included in NHESP.

TABLE 18: RARE AND ENDANGERED SPECIES

Taxonomic Group	Scientific Name	Common Name	MESA Status	Most Recent Observation
Amphibia	<i>Ambystoma jeffersonianum</i>	Jefferson Salamander	SC	1988
Bird	<i>Ammodramus savannarum</i>	Grasshopper Sparrow	T	2008
Bird	<i>Botaurus lentiginosus</i>	American Bittern	E	1987
Reptile	<i>Glyptemys insculpta</i>	Wood Turtle	SC	2007
Reptile	<i>Terrapene Carolina</i>	Eastern Box Turtle	SC	2005
Vascular Plant	<i>Eriophorum gracile</i>	Slender Cottongrass	T	1989
Vascular Plant	<i>Liatris scariosa</i> var. <i>novae-angliae</i>	New England Blazing Star	SC	1914
Vascular Plant	<i>Lygodium palmatum</i>	Climbing Fern	SC	2006
Vascular Plant	<i>Ophioglossum pusillum</i>	Adder’s tongue Fern	T	Historic
Vascular Plant	<i>Persicaria setacea</i>	Strigose Knotweed	T	1914
Vascular Plant	<i>Ranunculus pensylvanicus</i>	Bristly Buttercup	SC	1914

Source: NHESP, May 24, 2012

F. SCENIC RESOURCES AND UNIQUE ENVIRONMENTS

Historical and Cultural Resources

The Southwick Historical Society, Inc. was created in 1971 by a group of interested citizens. Since that time has purchased two acres of land at 86 and 88 College Highway which has become the Society's home, housing both the Joseph Moore House and the Charles J. Gillett Cigar Factory. The Moore House was built in 1751 by Joseph Moore who later served and died in the American Revolution. This home, the last known house in the Massachusetts – Connecticut state line “jog,” was located in four towns, three counties, two colonies and two states.

The newly preserved Charles Gillett Cigar Factory was built in 1872 and is the only remaining building of its type in the Connecticut River Valley which has been known for decades for the quality of its tobacco. Charles J. Gillett stored tobacco and manufactured cigars from this factory. The Gillett cigars were sold under various names and shipped around the country. Stop by and see artifacts which represent both the agricultural and industrial history of Southwick including a wagon built over 100 years ago by Henry R. Barnes in his shop located across the road from, and south of, what is now the Southwick Town Hall, (formerly the Consolidated School built in 1928). See equipment used in the harvesting of ice from the spring-fed Congamond Lakes, tobacco equipment from the many fields scattered around the town and other interesting artifacts. Each year our youth are encouraged to become more aware of the unique features of Southwick and its history through a Society-sponsored annual field trip around town. We also provide information and research relative to other aspects of Southwick's story.

OTHER SCENIC RESOURCES

On Drake Mountain there is an unusual, man-made, stone structure also called a “beehive” due to its shape, whose origin and purpose is unknown. These are quite rare and extremely old. They are hypothesized to have been used to store gunpowder by early colonists or were built before colonial settlement.

The Granville Gorge, located on Munn Brook at the foot of Drake Mountain, is a unique area of exceptional scenic quality. The area has interesting rock formations, and an attractive waterfall, which drops into a shallow pool. The water appears to be as clear as any in the area. After the removal of the Winchell Dam the several areas that were deep enough for both diving and swimming have been filled in through what the State is calling “natural redistribution”.

The Metacomet-Monadnock Trail now known as the New England Scenic Trail is a continuous trail running over 200 miles from near Long Island Sound in Connecticut to Mt. Monadnock in New Hampshire with 117 miles of which runs through Massachusetts. The Metacomet-Monadnock Trail in Southwick runs north/south along Provin Mountain ridge on the boundary of Southwick/Agawam or Southwick/Westfield for a distance approximately of 6 or 7 miles. The M&M trail in Southwick begins at the Suffield, Connecticut town line and extends to the town of Westfield, Massachusetts. This trail provides scenic vistas of Springfield and the Pioneer Valley as well as breathtaking views of Granville and the foothills of the Berkshires. The trail is currently part of a National Scenic Trail Feasibility Study being conducted by the National Park Service and the Pioneer Valley Planning Commission. In 2015 moneys from the CPA were used to install a floating bridge to span the bog area. In 2018 a Grant for Trail Head ADA accessible parking and ADA accessible trail to floating bridge was approved.

Big Rock—Is a large solitary stone about the size of a small house that is located west of Sheep Pasture Road and east of the Great Brook. In geological terms it is called a “glacial erratic” because the stone was carried in the ice sheet that covered Southwick thousands of years ago and was deposited when the glacier melted and receded north. Currently, the Big Rock is only accessible on foot, but has the potential to become a local attraction and a significant landmark as part of a hiking trail that could be developed along the Great Brook stream corridor.

There are several open rights of ways for utilities (gas, electric etc.) that could be used as trails and greenway connections. The southwestern portion of town contains one of these rights of ways, and there is another right of way running the length of the town east to west.

G. ENVIRONMENTAL CHALLENGES

The major environmental problems that occur within Southwick affect the Great Brook Aquifer and its recharge areas. Soils on aquifer recharge areas have a natural capacity for purifying some pollutants as surface water percolates downward to the water table. In addition, precipitation can dilute some pollutants to below dangerous levels. Therefore, a certain amount of human activity can be supported on recharge areas without adversely affecting the water quality of the aquifer. The town should take care to regulate the type and amount of activities that can bring about contamination or depletion of water supplies especially since much of the aquifer recharge area in town contains soils that drain excessively to somewhat excessively, and that most of the development within the town occurs in these areas. Such activities include: Overloading recharge areas with septic systems so that the quality of discharged effluent is more than naturally purified through percolation and dilution.

Hazardous Waste Sites

Fortunately there are no hazardous waste sites in the Town of Southwick. The Town's Local Emergency Management Committee keeps track of hazardous materials that travel through the town and has plans in place in case of an emergency.

Landfills

There are no active landfills in the Town. The Town's Transfer Station includes recycling bins and partnered with New England Disposal Technologies (NEDT) to provide a year-long Household Hazardous Waste Collection Program. Southwick residents can now dispose of up to \$20 worth of the following hazardous waste items at NEDT's facility in Westfield, MA once every 12 months at no charge.*

Chronic Flooding

The issue of flooding has been in existence in the Lake Front area historically and has expanded to areas outside of the floodplains in the recent years. The 100 year storm occurs on an annual basis in most recent years straining the systems that were designed for the traditional 100 years storm. It is our hope that the Commonwealth and the Federal Government will revise these outdated regulations.

Sedimentation

Sedimentation and erosion have traditionally been an issue with the filling in of the lakes. In the past decade the Town through their Lake Management Committee, and Conservation Commission has received multiple 319 Grants to address these issues. The Town also has adopted a local Stormwater Bylaw that specifically regulates any disturbance over one acre.

Development Impact

The impact of development has put a strain on the Town's infrastructure and community services. The Town has been exploring the possibility of implementing some sort of "Impact Fee" but has run into legal issues related to this type of fee.

Forestry Issues

The Town's Conservation Commission works with the Commonwealth's Division of Conservation Resources in reviewing and monitoring Forest Cutting Plans that are issued by the State. It is common for developers to attempt to use this exemption from the Wetlands Protection Act to avoid filing before clearing for a subdivision. Change of Use is not allowed in this program, but difficult to enforce. The Town currently has twenty six properties enrolled in the Chapter 61 Program and encourages land owners to take advantage of this program.

Environmental Equality

Even though there are no Environmental Justice populations in the Town, locations of Open Space and Recreation is determined on locations that are accessible to all of the population.

SECTION 5

INVENTORY OF LANDS OF CONSERVATION AND RECREATION INTEREST

INTRODUCTION

Open Space: Why it's important.

Forests, meadows and wetlands protect water, provide habitat for wildlife and support human health and recreation.

Open Spaces offer environmental education opportunities.

Locally based, long-term open space conservation plans help communities protect their environment, improve quality of life, and preserve critical elements of the local heritage, culture, and economy. Like development, conservation can be either planned or haphazard.

Well managed open space programs protect a community's natural green infrastructure, providing places for recreation, preserving important environmental and ecological functions, and enhancing quality of life.

This section discusses the difference between protected lands and unprotected lands and will identify sites with potential for protection or uses related to the town's objectives. These sites may not now be protected or available for public use.

Listing them as "potential sites" does not necessarily mean that the town will act to secure these sites. Land is considered permanently protected if the entirety of the property interest called the "fee" interest, or some lesser interest in land, such as its development rights (DRs), is permanently held for conservation purposes by a public or private entity.

These entities can include the Town of Southwick through its Conservation Commission, one of the state's conservation agencies such as the Department of Environmental Protection (DEP), Department of Conservation and Recreation (DCR), or others; a private non-profit land trust or conservation organization such as the Massachusetts Audubon Society (MAS), or The Nature Conservancy (TNC). Land,

The Franklin Land Trust is also defined as permanently dedicated when the town received state or certain federal conservation funds for the purchase or improvement of the property such as the Massachusetts LAND Grant of the Executive Office of Environmental Affairs (EOEA).

PRIVATELY OWNED LAND

Privately-owned land is considered permanently protected open space if it is subject to a properly signed and recorded Conservation Restriction (CR) or Agricultural Preservation Restriction (APR) pursuant to Massachusetts General Laws Chapter 184 Sections 31-33. Recording a CR is synonymous with giving or selling the developmental rights. CRs and APRs, and the underlying DRs are “held” or “overseen” by one or more public or private conservation entities or “land stewards”.

Some permanently protected lands owned by a public entity or private organization provide public access as part of the management plan for the land, some do not. All permanently protected open space provides some form of public benefit, whether through habitat conservation, vista protection, aquifer safeguarding or through walking access and other forms of recreation.

Unprotected land or land not permanently dedicated which nonetheless is maintained as open space for the present can be secured through private deed restrictions, subdivision covenants, and through enrollment of land under the state Chapter 61 Laws.

Such lands are not permanently dedicated to open space. Covenants and private deed restrictions against development, which do not follow the procedures for recording a standard CR under Ch.184, are impermanent.

Enrollment of land under the Forest Lands, Agricultural Lands and Recreational Lands Assessment Act-General Laws Chapter 61, 61A, 61B provides a significant local property tax benefit to the landowner, but the land can be withdrawn from the programs at any time, sometimes with penalty. Because the land is not permanently protected landowners do not enjoy federal income tax or estate tax benefits. For many landowners, the pressure of increasing property taxes forces a decision to develop land.

In the 17 years that the Community Preservation Commission has been in existence they have voted to use CPA money to preserve 20 parcels of land totaling over 782 acres of land using the Commonwealth’s Agricultural Preservation Restriction program.

Recreational facilities within Southwick include Edgewood Golf Course, The Ranch Golf Course, Longhi’s Driving Range and Miniature Golf course, the New England Disc Golf Center, the Granville Gorge area, Sofinowski and Loupinski Preserves, New England Scenic Trail, Sodom Mountain and Southwick Acres Campgrounds, Southwick Schools Athletic Fields, Southwick Recreation Center, Prifti Park, American Legion Post 338, VFW, Motocross, Town Beach, Lake George Sportsmen’s Club, Agawam Bowmen’s Club, Wilderness Experiences and the State Boat Launch areas and Fishing Pier. Tables 19-22 include a summary of open space and recreation lands in Southwick. Included in the Appendices is a more detailed description of these parcels including management agency, condition, grants for acquisition, public access, zoning and degree of protection.

2019 Southwick Open Space & Recreation Plan

The following locations are of concern within the town areas that have little or no protection and would add significantly to the quantity of the open space in Southwick.

Beehive - Unique stone structure on Drake Mountain

Unusual man-made feature known as the cave or beehive due to its unusual shape. Origin and purpose is unknown. These are extremely old and quite rare. A large stone can cover the open top. They are hypothesized either to have been used to make charcoal, produce gunpowder or to store crops by early colonists or prior to colonial settlement.

Drake Mountain (proposed conservation and recreational areas)

This area has potential for many varied activities and has conservation, recreation, and historic value. It is located north of the proposed Munn Brook Conservation and Recreation area.

With the permission of access on these parcels of land, a Sodom Mountain - Drake Mountain hiking trail could be established.

The trail would start at Sodom Mountain Road at an elevation of one hundred and fifty feet and run north ascending Sodom Mountain to an elevation of one thousand feet. It would then descend to about five hundred feet when it crosses Munn Brook. It would then descend Drake Mountain to an elevation of nine hundred feet and then descend to three hundred and thirty feet where it ends at Honey Pot Rd. for a distance of five miles. This trail would follow the high point of land along the Granville town line, crossing Rt. 57 about one quarter mile from the Granville line, and then follow the high point of land along the Granville border and then descend to White brook and end at Honey Pot Road on the Westfield line.

Westfield and Granby, Ct. would be asked to extend the trail into their towns. Honey Pot Road provides access to Drake Mountain for the hiking trail, as well as for hunting and geological studies. The woodland in this area is suitable for forest management.

Due to variation in soil types, the higher sections of Drake Mountain are limited for forest production; however, on the lower slope, where the soils are more productive, better quality timber is found.

The immediate area across Munn Brook would join the Granville Gorge parcel, making both sides of Munn Brook accessible as a recreation and conservation area, and also provide protection of the Gorge. Access to the south side could be by right of way from North Loomis Street using the old Granville Road bed that serves as a logging road, bike trail and fire road access to Drake Mountain.

Sodom Mountain/ Lambson's Hill

(Proposed conservation/recreation areas) West of South Loomis Street on the south side of Granville Road are grassed slopes (Lambson's Hill) on the edge of a former tobacco field suitable for sledding and beginners skiing. The land abutting these slopes to the north, south, and west of Sodom Mountain would provide an area for hiking, hunting, mountain climbing, geologic study and cross-country skiing. The woodland provides an opportunity for woodland management.

Route 57 near the Granville town line provides access to Sodom Mountain at the north. The ledges in this area are twisted with dike-like layers of lighter material and deposits of white quartz. Sodom Mountain Road, a winding, scenic mountain road, provides access at the southern end of the mountain. The ledge along Sodom Mountain Road is rich in white quartz, mica, granite and conglomerate rocks. The existing wooded road on the mountain provides hiking with excellent views of the eastern mountains, with the valley of Southwick in the foreground. There are existing trails for snowmobiles and motorized dirt bikes throughout this mountain range, as well as mountain biking. The greater portion of this whole area is presently in the Agriculture-Conservation District.

2019 Southwick Open Space & Recreation Plan

Hampden-Farmington Canal Lock

Located on the north side of South Longyard Road is the remains of the last known lock of the Hampden-Farmington Canal of 1826. All other known areas in Southwick where the canal existed have been destroyed by flood, natural erosion, or construction. Some areas of the original towpath remain, but erosion, natural succession, and neglect leave little remains of a once flourishing canal boat run from New Haven, Connecticut to Northampton, Massachusetts. This is the lock that lowered the boats to the level of Great Brook before crossing to the north side and proceeding onward. It is a historical landmark that should be preserved. It is within a 2 to 3-acre area owned by Reginald Phelps. Great Brook is to the north, Granado Estates to the east, and undeveloped land to the west and south. Hardwood Swamp, West of South Loomis Street

The forty-acre hardwood swamp with some open water and cattails, located west of South Loomis Street near the Connecticut state line, is suitable for management and preservation as wildlife habitat for duck and furbearers. The acquisition of this parcel would complete the plan for the very western side of Southwick in a Conservation/Recreation area.

The Old Watering Trough

In the 1940s, Charles M. Arnold wanted a place to water his farm horses and decided to build it by the side of Sheep Pasture Road. It is about 1/4 mile from the junction of Point Grove Road and Sheep Pasture Road, almost at the northern edge of Edgewood Golf Course. It was gravity fed by a well upon the west hill. The water was piped underground and always bubbled in the old boiler cylinder that served as the watering place. The water has been turned off and now only the old boiler set on a concrete base is left with wildflowers and grasses growing around it. The Historical Society has recently renovated and restored this small area by placing a historic marker and cleaning up the area. Johnson's Land and Rare Ferns

On Eldon Johnson's property (1978) near the Connecticut state line is an old feeder canal of the New Haven-Northampton Canal cutting across the field. Along its banks grow the rare Hartford Fern. The scientific name for this climbing fern is *Lygodium palmatum*. There are three places that Mr. Johnson knew of where the fern grows: one is in Hartford, one is Northampton, and the other is in Southwick. This property was purchased from Constance Johnson by Jack and Maureen Feldman in 1996. They continue to grow potatoes in the agricultural fields located on the property.

Coes Hill Road Area

Located on Coes Hill and Hillside Roads this region is a prime example of Southwick's rural past, providing a scenic view of rolling hills, meadows, and pastures. This agricultural area is privately owned and currently has no protection from development. The Brozka family has recently received an APR restriction on their 159-acre farm located in this area.

PUBLIC AND NONPROFIT PARCELS

Increased bicycle use in recent years has brought a need for safe biking trails. The Park and Recreation Commission developed a designated bike route through scenic and recreational areas of town as part of the 1976 Bicentennial. The 15-mile circuit passes by lakes, through woods, and over rolling hills. The existing bike route might have some safety concerns because no provisions have been made for increased shoulder widths. There are no signs for this bike route at present.

In 1994 a movement began to propose the development of the abandoned Conrail railway (a.k.a. Hampden/Hampshire Railroad) corridor into a multipurpose bike trail. This 6-mile bikeway serves to protect an area that was previously being abused and vandalized. The project received a large amount of support from the town, and monies for its construction were included in the Open Space Bond Bill that was approved in January of 1996. The Rail Trail has been completed and being used for walking, biking, snowshoe, and cross-country skiing enthusiasts on a daily basis. Park and Recreation has been working with the “Friends of the Rail Trail” with maintenance of the trail and has been working on improving the parking areas for the trail.

The increase in mountain bike use has warranted development of combined hiking, biking and cross-country skiing trails in conservation areas owned by the town as well.

In 2016 the Conservation Commission applied for a \$400,000.00 LAND Grant to preserve the 147 North Pond Land and received approval for the grant.

In 2017 the Franklin Land Trust applied for and received \$1,000,000.00 from the Community Preservation fund. Also, in 2017 the Town received an additional \$600,000.00 commitment from DFG for a Conservation Restriction on the property. In 2017 83 acres of the 147-acre North Pond Land was purchased by the Division of Fish & Game to expand the existing 250-acre Wildlife management Area on South Longyard. In 2018 the Franklin Land Trust requested an additional \$500,000.00 from the CPC, and at the same Special Town Meeting a Citizen’s Petition requested an additional \$1.2 million to insure the purchase of the remaining North Pond property, and the articles passed overwhelmingly. On June 28, 2019 the Town closed on the property making it available to the public in perpetuity.

Inventory of Protected Lands - Appendix A

Town Conservation Lands A-1

Chapter 61 Lands A-2

Chapter 61A Lands A-3

Chapter 61B Lands A-4

APR Lands A-5

Subdivision Lands A-6

State Owned Lands A-7

SECTION 6 COMMUNITY VISION

A. DESCRIPTION OF PROCESS

The 7-member Open Space Committee served as the coordinating committee for the OSRP update. All of the Committee meetings were held at Town Hall and were open to the public. The committee met 11 times between September 2018 and November 2019 and these meetings were posted at town hall, and emailed to the Committee members, board chairs and department heads for all boards, departments and committees within Southwick.

A public survey was conducted between October 2018 and March 2019. The survey was mailed to over 4000 residents with their tax bill, and available in paper form available at Town Hall. The website link as well as paper copies were distributed to every municipal department for dissemination to the residents they serviced. Notice of the survey was also published in Westfield News. Results of the survey are discussed under Section 6 Community Vision.

The Southwick Open Space & Recreation Committee held a public workshop on October 25, 2018 and April 17, 2018 at Town Hall to present the draft Open Space and Recreation Plan including goals, objectives, and actions. In particular, a detailed Action Plan was developed.

BUILD-OUT SCENARIO

The 2002 Build-Out Plan approximates the expected development growth and capacity in Southwick, if there were to be no control methods. The build out scenario uses information from past and present development trends, and predictions of development for the future. With large tracts of agricultural land available for development, there is a projected increase in the amount of residential homes being built on these lands. A saturated growth limit for the town under current zoning laws would occur in the year 2056. At this point, approximately 16,000 acres would be in use or almost 80% of Southwick's land area. Nearly 14% of the land would be industrial and commercial areas, with only 4% remaining as open space and forested areas (this would include the Congamond Lakes). Such a forecast leaves the town with a low percentage of open space, excessive demand for water supply, overcrowded schools, and a severely strained tax base.

Westfield News. Results of the survey are discussed under Section 6 Community Vision.

Outreach

The Southwick Open Space & Recreation Committee held a public workshop on October 25, 2018 and April 17, 2018 at Town Hall to present the draft Open Space and Recreation Plan including goals, objectives, and actions. In particular, a detailed Action Plan was developed. Public meetings of the Open Space Committee devoted to development of OSRP chapters occurred on:

- September 13, 2018, October 25, 2018, December 13, 2018, January 19, 2019, April 17, 2019, May 5, 2019, June 5, 2019, July 10, 2019, September 4, 2019, October 2, 2019, November 6, 2019

2019 Southwick Open Space & Recreation Plan

Open Space and Recreation Survey 2018

On April 17, 2019 The Open Space and Recreation Plan Committee conducted an Open Forum for the residents of Southwick to review the results of the survey that was mailed to over four thousand taxpayers of Southwick with their tax bills.

The Open Forum also included comments on the future of Open Space and Recreation from the twenty-five plus residents that attended this forum. Many of the comments and suggestions made at this forum will be included with the updated OSRP that will be submitted for approval by the Commonwealth of Massachusetts this year.

Many of the residents expressed the concern of not having the information readily available of the locations and permitted uses of the Open Space and Recreation properties listed in the survey.

It was suggested that the Town Web Page should include maps with the locations and addresses of all of the properties available to the residents for open space and recreation use.

It was also requested of the OSRPC that each property listed contain the guidelines and restrictions on the use of each one of these Open Space and Recreational properties. Additional input was on what type of recreation should be available through the Town. The point was made that there is a new generation of Senior Citizens that would like to have low impact outdoor recreation made available to them. Currently most all of the recreation available is indoors. Outdoor low impact recreation could consist of horseshoes, bocce ball, cornhole, and the new popular sport amongst senior's pickle ball.

A local dog park was discussed as it ranked high in the survey results. The residents attending the meeting confirmed the need for a dog park in Southwick.

The consensus of all attending the forum was that the Open Space Committee should remain in existence in some form after the Open Space and Recreation Plan was approved by the Commonwealth to help implement the ideas, suggestions, and requests listed in the newly adopted OSRP. The Conservation Commission could oversee the committee but is primarily charged with implementing the State of Massachusetts Wetland Protection Act and Southwick Wetland Bylaws that takes up a majority of their time. A committee to help with making land use suggestions, applying for grants, and acting on the information in the OSRP is essential for success of implementing this document.

A public survey was conducted between October 2018 and March 2019. The survey was mailed to 3842 residents with their tax bill, and available in paper form available at Town Hall. The website link as well as paper copies were distributed to every municipal department for dissemination to the residents they serviced. Notice of the survey was also published in the local newspapers.

**TOWN OF SOUTHWICK
OPEN SPACE AND RECREATION
SURVEY 2018**



Please help us provide input that reflects your opinions. Complete this survey and return it with your tax payment. The current 2012 Open Space and Recreation Plan is available for viewing at www.southwickma.org. The input you provide will be included in the updated 2018 OSRP under the guidelines required by the Commonwealth of Massachusetts.

The Plan will aid Southwick in helping to protect and enjoy its character, natural resources, and open spaces. Residents interested in volunteering for committees should contact the Town Select Board's Office.

1. How often do you use the recreational facilities at:	often	some times	never
Fletcher Park Powder Mill Road			
Goose Pond Off Miller Road Rail Trail			
Granville Gorge Area in Southwick - Granville Road			
High School Running Track Feeding Hills Road			
Keenan Park South Longyard Road			
Loupinski Wildlife Management Area Honeypot Road			
New England Scenic Trail Rising Corner Road			
New Town Beach Beach Road			
North Ramp Fishing Pier Point Grove Road-Middle Pond			
Old Town Beach Berkshire Avenue			
Pauline Circle Conservation Area Pauline Circle			
Prifti Park Playscape College Highway-Town Hall			
Prifti Park Recreation Area College Highway-Town Hall			
Sofinowski Preserve Mort Vining Road			
Southwick Wildlife Management Area South Longyard Road			
Sterrett Drive Farm Nature Trail One Sterrett Drive			
Town Hall Basketball Court College Highway-Town Hall			
Whalley Park Powder Mill Road			
Woodland Ridge Conservation Area Woodland Ridge Road			
2. How often do you use the trails at:			
Goose Pond Conservation Area			
Granville Gorge			
Loupinski Wildlife Management Area			
New England Scenic Trail			
Sofinowski Preserve			
Southwick Rail Trail			
Southwick Wildlife Management Area			
Woodland Ridge Conservation Area			

3. How often do you use these other facilities:	often	some times	never
Agawam Bowman's Club			
American Legion Post 338			
Longhi's Golf Center			
New England Disc Golf Center			
Pioneer Valley Live Steamers			
Southwick Recreation Center			
The Edgewood County Club Golf Course			
The Ranch Country Club Golf Course			
The Wick 338 Motocross			
VFW Post 872			

4. How often do you use these water Resources:	often	some times	never
Bradley Brook			
Canal Brook			
Congamond Lakes / Middle Pond			
Congamond Lakes / North Pond			
Congamond Lakes / South Pond			
Goose Pond Area			
Great Brook			
Johnson Brook			
Munn Brook			
Palmer Brook			
Pearl Brook			
Shurtleff Brook			
Slab Brook			
Tuttle Brook			
White Brook			

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

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6. Please check all of the following activities that you enjoy			
	often	some times	never
Bird watching			
Boating			
Fishing			
Horseback riding			
Hunting			
Motorized trail use			
Non-motorized trail use			
Road biking			
Skating			
Swimming			
Team sports Please specify sport			
7. How important is it to you to protect or preserve these resources (in Southwick or elsewhere)			
	important	not very important	not important
Dirt Roads			
Farmland			
Forests			
Lakes and Streams			
Motorized Trails			
Non-motorized Trails			
Open Space			
Scenic Views			
Southwick's Rural Character			
Stone Walls			
Water Quality			
Wildlife Habitat			
8. Which of the following do you consider the most important resources to protect or preserve (please check all that apply)			
Farmland			
Forest Lands			
Drinking Water Supply Protection			
Lakes, Ponds and Streams			
Land with Scenic Views			
Motorized Trails			
Non-motorized Trails			
Recreational Facilities			
Wildlife Habitat			

9. Which recreational facilities do you feel Southwick needs to expand or develop (please select all that apply)	
Art and Cultural Events	
Baseball / Softball Fields	
Bocce Courts	
Dog Park	
Football Fields	
Horseback Riding Trails	
Horseshoes	
Lacrosse	
Nature Trails	
Outdoor Basketball Volleyball Courts	
Parks	
Pickleball Courts	
Picnic Areas	
Playgrounds	
Shuffleboard	
Soccer Fields	
T-Ball	
Tennis Courts	
Other-	

10. How satisfied are you with the places in the community for the following activities				
	very satisfied	satisfied	somewhat satisfied	not satisfied
Boating / Canoeing				
Fishing				
Hunting				
Ice Hockey / Skating				
Observing or Studying Nature				
Picnicking				
Swimming				
Baseball / Softball				
Basketball				
Floor Hockey				
Walking				
Running Trails				

11. Do you have anything to tell us about your thoughts on Southwick's open spaces and or recreational opportunities?

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1. How often do you use the recreational facilities at:	Often	S times	Never	Total	452 total surveys		
					Often	S times	Never
	Total	Total	Total	Total			
Fletcher Park	2	29	255		0.44%	6.42%	56.42%
Powder Mill Road							
Goose Pond	11	43	236		2.43%	9.51%	52.21%
Off Miles Road Rail Trail			0				
Granville Gorge Area in Southwick - Granville Road	17	115	173		3.76%	25.44%	38.27%
High School Running Track	38	95	181		8.41%	21.02%	40.04%
Feeding Hills Road			0				
Keenan Park	2	19	264		0.44%	4.20%	58.41%
South Longyard Road							
Loupineki Wildlife Management Area - Housepot Road	10	43	282		2.21%	9.51%	62.39%
New England Scenic Trail	21	69	210		4.65%	15.27%	46.46%
Rising Corner Road							
New Town Beach	14	60	225		3.10%	13.27%	49.78%
Beach Road							
North Ramp Fishing Pier	23	92	178		5.09%	20.35%	39.38%
Point Grove Road/Middle Pond							
Old Town Beach	8	48	236		1.77%	10.62%	52.21%
Devshire Avenue							
Pauline Circle Conservation Area Pauline Circle	3	18	308		0.66%	3.98%	68.14%
Pfiffi Park Playscape	14	73	210		3.10%	16.15%	46.46%
College Highway-Town Hall	0	7	38		0.00%	1.55%	8.41%
Pfiffi Park Recreation Area	9	53	229		1.99%	11.73%	50.66%
College Highway-Town Hall					0.00%	0.00%	0.00%
Sofinowski Preserve	14	48	233		3.10%	10.62%	51.55%
Mont Vining Road							
Southwick Wildlife Management Area South Longyard Road	27	51	263		5.97%	11.28%	58.19%
Sterrett Drive Farm Nature Trail	1	9	276		0.22%	1.99%	61.06%
One Sterrett Drive							
Town Hall Basketball Court	6	36	247		1.33%	7.96%	54.65%
College Highway-Town Hall							
Whalley Park	67	120	140		14.82%	26.55%	30.97%
Powder Mill Road							
Woodland Ridge Conservation Area Woodland Ridge Road	3	15	268		0.66%	3.32%	59.29%
2. How often do you use the trails at:	2	6	36		0.44%	1.33%	7.96%
Goose Pond Conservation Area	10	52	266		2.21%	11.50%	58.85%
Granville Gorge	19	102	220		4.20%	22.57%	48.67%

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		Often	S times	Never			Often	S times	Never
		Total	Total	Total	Total				
Loupinski Wildlife Management Area		8	38	277			1.77%	8.41%	61.28%
New England Scenic Trail		26	73	238			5.75%	16.15%	52.65%
Sofnowski Preserve		32	66	233			7.08%	14.60%	51.55%
Southwick Rail Trail		131	127	112			28.98%	28.10%	24.78%
Southwick Wildlife Management Area		27	51	257			5.97%	11.28%	56.86%
Woodland Ridge Conservation Area		3	19	260			0.66%	4.20%	57.52%
3. How often do you use these other facilities:									
							Often	S times	Never
Agawam Bowmen's Club		7	28	302			1.55%	6.19%	66.81%
American Legion Post 338		17	111	218			3.76%	24.56%	48.23%
Lough's Golf Center		15	101	228			3.32%	22.35%	50.44%
New England Disc Golf Center		8	20	307			1.77%	4.42%	67.92%
Pioneer Valley Live Steamers		13	71	256			2.88%	15.71%	56.64%
Southwick Recreation Center		40	103	203			8.85%	22.79%	44.91%
The Edgewood Country Club		22	77	201			4.87%	17.04%	44.47%
Golf Course		0	14	32			0.00%	3.10%	7.08%
The Ranch Country Club Golf Course		22	89	236			4.87%	19.69%	52.21%
The Wick 338 Motocross		12	89	243			2.65%	19.69%	53.76%
VFW Post 872		14	77	209			3.10%	17.04%	46.24%
4. How often do you use these water Resources:		1	0	43			0.22%	0.00%	9.51%
Bradley Brook		5	11	305			1.11%	2.43%	67.48%
Canal Brook		20	27	279			4.42%	5.97%	61.73%
Congamond Lakes / Middle Pond		82	129	147			18.14%	28.54%	32.52%
Congamond Lakes / North Pond		71	108	163			15.71%	23.89%	36.06%
Congamond Lakes / South Pond		62	108	175			13.72%	23.89%	38.72%
Goose Pond Area		11	43	275			2.43%	9.51%	60.84%
Great Brook		13	25	294			2.88%	5.53%	65.04%
Johnson Brook		7	10	311			1.55%	2.21%	68.81%
Munn Brook		7	20	300			1.55%	4.42%	66.37%
Palmer Brook		3	5	318			0.66%	1.11%	70.35%
Pearl Brook		6	5	317			1.33%	1.11%	70.13%
Shurtleff Brook		6	5	316			1.33%	1.11%	69.91%
Slab Brook		2	4	320			0.44%	0.88%	70.80%
Tuttle Brook		5	6	316			1.11%	1.33%	69.91%
White Brook		2	5	275			0.44%	1.11%	60.84%
do you participate in?									
Boating									

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	Often	S times	Never			Often	S times	Never
	Total	Total	Total	Total				
6. Please check all of the following activities that you enjoy.								
						Often	S times	Never
Bird watching	89	123	122			19.69%	27.21%	26.99%
Boating	90	125	120			19.91%	27.65%	26.55%
Fishing	49	109	164			10.84%	24.12%	36.28%
Horseback riding	23	36	257			5.09%	7.96%	56.86%
Hunting	28	30	257			6.19%	6.64%	56.86%
Motorized trail use	23	48	242			5.09%	10.62%	53.54%
Non-motorized trail use	124	129	95			27.43%	28.54%	21.02%
Road biking	36	93	201			7.96%	20.58%	44.47%
Skating	24	82	214			5.31%	18.14%	47.35%
Swimming	66	98	159			14.60%	21.68%	35.18%
Team sports	25	17	201			5.53%	3.76%	44.47%
Please specify sport								
7. How important is it to you to protect or preserve these resources (in Southwick or elsewhere)								
						Often	S times	Never
Dirt Roads								
Farmland	334	18	9			73.89%	3.98%	1.99%
Forests	341	11	7			75.44%	2.43%	1.55%
Lakes and Streams	316	18	25			69.91%	3.98%	5.53%
Motorized Trails	128	96	114			28.32%	21.24%	25.22%
Non-motorized Trails	277	56	18			61.28%	12.39%	3.98%
Open Space	320	27	8			70.80%	5.97%	1.77%
Scenic Views	323	25	7			71.46%	5.53%	1.55%
Southwick's Rural Character	305	32	12			67.48%	7.08%	2.65%
Stone Walls	278	57	18			61.50%	12.61%	3.98%
Water Quality	348	10	6			76.99%	2.21%	1.33%
Wildlife Habitat	293	18	5			64.82%	3.98%	1.11%
8. Which of the following do you consider the most important resources to protect or preserve (please check all that apply)								
Farmland	299	15	5			66.15%	3.32%	1.11%
Forest Lands	323	8	5			71.46%	1.77%	1.11%
Drinking Water	304	2	5			67.26%	0.44%	1.11%
Supply Protection	45	2	0			9.96%	0.44%	0.00%
Lakes, Ponds and Streams	320	10	4			70.80%	2.21%	0.88%
Land with Scenic Views	228	35	25			50.44%	7.74%	5.53%

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		Often	S times	Never			Often	S times	Never	
		Total	Total	Total	Total					
Motorized Trails		106	67	84			23.45%	14.82%	18.58%	
Non motorized Trails		218	52	20			48.23%	11.50%	4.42%	
Recreational Facilities		234	49	14			51.77%	10.84%	3.10%	
Wildlife Habitat		266	15	5			58.85%	3.32%	1.11%	
9. Which recreational facilities do you feel Southwick needs to expand or develop (please select all that apply)										
Art and Cultural Events		130					Delelop Properties			
Baseball / Softball Fields		43					28.76%			
Bocce Courts		6					9.51%			
Boce Courts		43					1.33%			
Dog Park		104					9.51%			
Football Fields		28					23.01%			
Horseback Riding Trails		72					6.19%			
Horseshoes		28					6.19%			
Lacrosse		36					15.93%			
Nature Trails		168					6.19%			
Outdoor Basketball Volleyball Courts		60					7.96%			
Parks		115					37.17%			
Pickleball Courts		49					13.27%			
Picnic Areas		117					25.44%			
Playgrounds		79					10.84%			
Shuffleboard		23					25.88%			
Soccer Fields		40					17.48%			
T-Ball		34					5.09%			
Tennis Courts		53					8.85%			
Other-							7.52%			
10. How satisfied are you with the places in the community for the following activities										
							Very Satisfied	Satisfied	Somewhat Satisfied	Not Satisfied
Boating / Canoeing		129	131	34	8		28.54%	28.98%	7.52%	1.77%
Fishing		104	130	31	4		23.01%	28.76%	6.86%	0.88%
Hunting		47	94	40	6		10.40%	20.80%	8.85%	1.33%
Ice Hockey / Skating		25	78	44	51		5.53%	17.26%	9.73%	11.28%
Observing or Studying Nature		79	136	45	5		17.48%	30.09%	9.96%	1.11%
Picnicking		36	104	64	28		7.96%	23.01%	14.16%	6.19%
Swimming		55	104	55	31		12.17%	23.01%	12.17%	6.86%

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	Often	S times	Never						
	Total	Total	Total	Total			Often	S times	Never
Baseball / Softball	42	117	35	5	9.29%	25.88%	7.74%	1.11%	
Basketball	32	120	35	6	7.08%	26.55%	7.74%	1.33%	
Floor Hockey	37	108	29	9	8.19%	23.89%	6.42%	1.99%	
Walking	140	136	27	1	30.97%	30.09%	5.97%	0.22%	
Running Trails	0	0	0	7	0.00%	0.00%	0.00%	1.55%	
11. Do you have anything to tell us about your thoughts on Southwick's open spaces and or recreational opportunities?									
S/2 Water quality in lakes is needing help									
S/3 Ice skating rink? - outdoor									

COMMUNITY SURVEY RESULTS

A public survey was conducted between October 2018 and March 2019. The survey was mailed to 3842 residents with their tax bill, and available in paper form available at Town Hall. The website link as well as paper copies were distributed to every municipal department for dissemination to the residents they serviced. Notice of the survey was also published in Westfield News. Results of the survey are discussed under Section 6 Community Vision. In 2019 the Town sent out 3842 surveys included with the Town Tax Bills and received 452 responses.

The top five activities most enjoyed are: non-motorized trail use at 76.99%, boating at 74.12%, bird watching at 73.89%, road biking at 73.01% and swimming at 71.46%.

The most often use of recreational facilities are: Southwick rail trail at 73.23%, the Granville Gorge was tied with the wildlife management are on South Longyard Road at 75.44%, the New England Scenic Trail at 74.56%, the Loupinski wildlife management and Honey Pot Road management areas were tied at fourth place at 74.12%, and the Sofinowski Preserve was fifth at 73.23%.

The top five optional facilities are: Congamond Lakes middle pond at 76.11%, the Ranch Country Club Golf course at 76.77%, tied at third is the American Legion Post 338 and the Southwick Recreational Center at 76.55%, fourth is Congamond Lakes – South Pond at 76.33% and fifth is The Wick 338 Moto-cross at 76.11%.

The importance of protection or preservation was rated at water quality at 80.53%, farmland at 79.87%, forests and lakes and streams were tied for third at 79.42%, open space was fourth at 78.54%, and stone walls was fifth at 78.10%.

The most important resource to protect was: forest land at 74.34%, lakes, ponds and streams at 73.89%, farmland at 70.58%, drinking water at 68.84%, and recreational facilities at 65.71%.

Recreational facilities for development or expansion are nature trails at 37.17%, art and cultural events at 28.76%, picnic areas at 25.88%, parks at 25.44% and dog park at 23.01%. Community satisfaction with existing facilities are for walking areas at 67.26%, boating and canoeing at 66.81%, fishing at 59.51%, observing or studying nature at 58.63%, and picnicking at 51.33%.

Additional comments on the survey include: having a space for activities directed specifically to the teen population, create on line mapping and/or brochure specifically for open space properties, restrict residential development, improve and or create baseball/softball/pickle ball areas indoors and outdoors, better signage to identify open space properties with better or more parking, improve the water quality of the lakes, better or more protection of farm land forest and wet lands, use some existing open space for a dog park, create more outdoor areas for winter activities, trails for motorized vehicles such as dirt bikes and snowmobiles.

B. STATEMENT OF OPEN SPACE AND RECREATION GOALS

Southwick's residents value their quality of life—the community's blend of farmland, lakefront and residential homes contribute to the rural character and Recreational Community moniker. The commitment to preserving the area's unique landscape and Open Space has been consistently demonstrated at Town Meeting. This character encompasses cultural experiences, economic pursuits, scenic beauty, and opportunities for outdoor recreation and enjoying the physical side of life. It is important for many to preserve and enhance these resources for current and future residents.

Given Southwick's central location and appeal, it is essential to develop general open space and recreation goals to address these concerns. The goals are as follows:

- ❖ Protect farmland and prime soils, and thereby enhance and sustain Southwick's rural character and agricultural viability.
- ❖ Focus land preservation efforts in areas identified as priority habitat (for rare and endangered species), containing valuable natural resources, prime agricultural soils, watershed lands that supply Southwick's drinking water, and areas with large contiguous blocks of undeveloped open space.
- ❖ Provide, develop, and maintain multi-use and multi-generational recreational opportunities that bring townspeople together.
- ❖ Expand and connect existing preserved land to the rail-trail system and maintain a greenway network throughout town.
- ❖ Develop and implement a variety of land protection approaches that balance development regulations, protection of natural resources and wildlife habitat, and the need for recreational space.
- ❖ Develop partnerships with organizations to protect, manage and promote the town's natural and recreational attractions that are an important basis for tourism and the cultural economy.
- ❖ Increase land area available for passive and active recreation in Southwick.
- ❖ Improve stewardship of conservation lands and trails.

SECTION 7: ANALYSIS OF NEEDS

A. SUMMARY OF RESOURCE PROTECTION NEEDS

Environmentally Sensitive Areas

"Sensitive Areas" are land or water areas which serve an important productive or protective function for the community in their present natural state. Man's intervention can disrupt delicate ecological relationships, threaten the general welfare of the community and result in serious economic loss. Proper management and protection of sensitive areas are necessary to preserve important productive lands and maintain the environmental health and quality of the community.

Six types of sensitive areas have been identified and mapped in Southwick: wetlands, aquifers, possible aquifer recharge areas, flood plains, steep slopes and streams and stream banks. Certain areas, such as wetlands, have inherent ecological value, where alteration or destruction will seriously impair vital environmental processes on which the community depends for its wellbeing.

Other areas, such as steep slopes pose limitations for development because of serious consequences that result when improper techniques are utilized. Development need not be totally restricted in sensitive areas, as these are often highly desirable locations. However, the town should take care to ensure that development is compatible with the natural capabilities of the land.

Finally, sensitive areas are frequently pleasing to the eye, offer a wide range of recreational opportunities, and provide habitat for fish and wildlife. Allowing for such alternative uses of sensitive areas can add significant contributions to the community and preserve environmental benefits.

1. Aquifers and Aquifer Recharge Areas

In 1967-68, the Massachusetts Water Resources Commission conducted an investigation of potential water yields in the Great Brook Aquifer, identified roughly paralleling the course of the Great Brook in the northeast part of town with a layer of sand and gravel at least forty feet thick saturated with water year-round. The study concluded that this aquifer has a great deal of potential to serve as a water source for Southwick. West Springfield currently operates a well field here for its own supply, but the report states that ample water remains for Southwick to meet its future needs, without relying on an outside system (Springfield).

The protection of aquifers is critical to ensure an adequate water supply for the present and future growth of the community. Pollution can seriously impair water quality and over pumping in excess of natural recharge can deplete the existing supply. Groundwater moves very slowly, and it may take many generations for clean water to replace a contaminated aquifer. Southwick should take measures to protect ground water quality and quantity for future growth.

In Southwick, the major recharge areas lie within the town and contribute directly to the ground water supply; thus, activities on the surface have a direct impact on the water quality of the aquifer. Sand and gravel terraces above and surrounding the aquifer help to recharge the ground water supply as precipitation infiltrates surface layers as it slowly seeps into the underlying aquifer.

In the Great Brook study another major source of recharge was identified as North Pond. Deep layers of saturated material were found to transmit large quantities of water that originate in the lakes and surrounding area then move through highly permeable sand and gravel deposits. The area in which the aquifer and aquifer recharge areas lie are seeing a significant amount of residential development at this time and care needs to be taken to make sure that the area is not overloaded with septic systems, storm runoff, and increased flood potential which may severely damage the quality of Southwick's drinking water.

2. Floodplains

On a large scale, the flood plains of Great Brook and Munn Brook occupy a significant area. Most of the smaller streams feed into these two and thus they may experience the heaviest flooding and cause the most damage during prolonged rainfall.

3. Wetlands

Southwick has numerous wetland areas that serve a variety of purposes such as flood water storage areas, wildlife habitat, protection of water quality, and recharge areas for ground water. The town has major wetlands in the southeastern corner of town, along Great Brook, Munn Brook running along North Loomis, and other smaller areas scattered throughout town.

4. Steep Slopes

Areas that can be classified as having steep slopes in Southwick include Sodom and Drake Mountains along the western edge of town, and Provin Mountain along the very eastern edge bordering Agawam. These are areas with slopes greater than 20 percent and having highly erodible soils.

5. Streams and Shoreline

The numerous streams and brooks in Southwick are valuable community resources that contribute greatly to the pleasing rural character of the town. These include Great Brook, Pearl Brook, Johnson Brook, Shurtleff Brook, Munn Brook, White Brook, Palmer Brook, Kellogg Brook, and Slab Brook. They add to open space by offering attractive scenery and providing enjoyable retreats for hiking, fishing, and nature study. They furnish habitat for wildlife and provide a protective corridor for movement. The protection of streams and buffer zones along their banks helps not only to preserve amenity values, but also to maintain ecological harmony over a wide area. Unrestricted activity along streams and banks can seriously impair water quality and have a profound impact upon important functions that contribute to a balanced and healthy environment. For example, in the Great Brook aquifer study, it was found that this stream tends to recharge the ground water through a process known as induced infiltration. Because of the water pumped by West Springfield's wells, the direction of ground water flow is altered causing water to be drawn down from the brook. Maintaining streams in their natural state helps to protect the habitat and spawning grounds of fisheries. Development may open up large areas to sunlight, raising stream temperatures to levels which trout cannot endure.

B. SUMMARY OF COMMUNITY'S NEEDS

Residents responding to the survey overwhelmingly requested the protection of the aquifer and the Town's water supply. However, since most of the development occurring within Town is within the aquifer area, residents will have to decide whether or not to put further restrictions upon this area to protect the water supply.

Also, the main reason people choose to live in Southwick is its rural character, which is being threatened in the eastern and center portions of Town with the current development pattern. Citizens will need to decide if further restrictions will be required, such as increasing the open space for Flexible Residential Developments from a minimum of 40 percent to upwards of 50 or 60 percent.

Recreational needs were also important questions asked on the survey, with a wide variety of activities to choose from. These activities included community events, youth-oriented events, outdoor recreation, playgrounds, bicycling, music related events, swimming, and tennis. Currently, the town has a shortage in most of these areas, with the exception of youth-oriented events which may need to be advertised more to increase public awareness and participation.

Other findings of these surveys include:

- A preference for new residential housing to be single-family homes, rather than multi-family housing condominiums
- A preference for new business to be professional offices, specialty shopping centers, or quality restaurants, rather than nightclubs
- A strong preference for a new multi-purpose teen recreation and social center
- Services provided in or by the town were generally highly rated, except for roads, which were rated fair
- A preference for general tax revenues to be used for building improvements, except for water and sewer systems and public recreational facilities, where user fees were preferred
- A preference for a limit on the number of building permits issued annually
- A strong preference for improved water quality protection measures

The needs of this community albeit diverse, can be viewed as components of three main issues sustaining the rural character of the town, further protecting the water quality, and providing for additional recreational services.

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According to Massachusetts Outdoors 2017, the statewide SCORP, when asked about their top five outdoor activities, more than half of Massachusetts residents mention walking, jogging or running. Collectively, that's the only activity popular with more than 50% of adults in the state. The second most popular activity is hiking, mentioned by 1/3 of consumers as a top 5 favorite.

That is followed by Swimming (freshwater, saltwater) 19%, Road biking (18%), Swimming in pools (15%), Gardening (12%), Canoeing/kayaking/rafting/tubing (11%), Field sports (football, soccer, lacrosse, field hockey, rugby) (10%), Camping (10%). While desired improvements in state facilities were Hiking trails (19%), Beaches (16%), Paved multi-use trails (15%), Nature preserves (14%) and playgrounds (13%) desired improvements in local facilities are slightly more clear Hiking trails, Playgrounds, Paved multi-use trails, and Swimming pools and spray parks.

Massachusetts SCORP 2017 asked the question .

The three facilities you would most like to see new or improved developed in state parks, forests, and recreation areas. (n = 400) Desired Improvements Percent mentioning Hiking trails 19.1% Beaches 16.0% Paved, multi-use trails, such as rail trails 16.0% Outdoor swimming pools or spray parks. 15.3% Unpaved, multi-use trails, such as mountain bike trails. 15.2% Nature preserves or wildlife watching areas 14.2% Playgrounds 13.0% Picnic areas or picnic shelters 12.6% Tennis, basketball, or volleyball courts 10.7% Off-leash dog parks 10.2% Fresh or saltwater swimming areas 9.2% Overnight camping areas 8.8% Canoeing, kayaking, rafting or tubing areas 8.6% Historic sites 7.0% Community gardens 6.8% Football, soccer, lacrosse, field hockey or rugby fields 6.3% Ice hockey or skating areas 6.2% Fishing or ice fishing areas 6.1% Golf courses 5.4% Nature playgrounds 5.0% Baseball or softball fields 4.5% Waterskiing and jet skiing areas 3.2% Cross-country skiing or snowshoeing trails 3.2% Off-road motorcycle and ATV trails 3.0% Motor boating or sailing areas 2.8% Hunting or trapping areas 1.7% Snowmobiling or snow machining trails 1.7% Sledding areas 1.1% Not sure 13.4%

The following is a summary of the most important needs for the Town of Southwick

- Additional areas for mountain biking/hiking and passive recreation throughout the town
- Additional athletic fields and multipurpose recreational facilities that can accommodate a variety of family activities
- The permanent protection of farmland to preserve the rural character of the Town
- Acquisition of open space for an assortment of uses such as additional recreational areas, natural resource protection, creation of greenway links, and protection town character.
- An increase in the selection of available outdoor recreational activities to include cross-country skiing, outdoor skating rinks, outdoor performances, and hiking
- Additional areas for the elderly within reasonable distances such as walking trails, shuffleboard, chess/checker tables, shaded parks, and gardens.
- Creation of passive recreational facilities with parks, gardens, trails, scenic vistas, and unique landscape features
- Increased public access to the Congamond Lakes
- Enabling the Town to protect open space and farmland when such land becomes available for purchase or donation

C. MANAGEMENT NEEDS, POTENTIAL CHANGE OF USE

The next step in examining the resource needs of the community is to plan for its management requirements and to plan for potential changes in land use. The need for communication between the various Town agencies is essential, especially when presented with Chapter 61 land that comes before the Board of Selectmen for the right of first refusal to purchase the property. The exchange of information between the various Town officials can help to prevent important areas from being lost permanently to development. In addition to this need, a plan is needed to determine potential lands for acquisition and their order of importance. The Town decided not to have a protocol concerning Chapter 61 parcels that come up for sale. In 2018 the Town's Selectboard collected information on Land Use Boards priorities for properties that they would like to have preserved.

The rail trail has been a huge success, drawing people from all over southern Hampden County and northern Connecticut. The acquisition of land along the bike trail will better enable access to the trail, create additional greenway links, and provide for further recreational activities. Tractor Rallies, workshops and informational sessions, as well as other assistance from the Town's Agricultural Commission, are provided to encourage owners of farmland and woodland to permanently protect their properties and manage natural resources.

Public information regarding Town facilities and programs have improved to better inform the citizens of what is available to them. The Town utilizes their web site and cable Channel 15 to encourage more people to participate in various events, which help to sustain worthwhile activities.

SECTION 8: GOALS AND OBJECTIVES

Goal #1: Maintain the ecological integrity of aquatic ecosystems and protect the quality and quantity of surface and groundwater drinking water supplies.

Objective 1-1: Obtain funding to permit and implement an Alum treatment followed by a comprehensive dredging program as prescribed by Limnologist, Ken Wagner PHD in the approved Lake management Plan to prevent future Cyanobacteria algae bloom events

Objective 1-2: Continue to reduce invasive aquatic weed populations in the Congamond Lakes.

Objective 1-3: Improve local regulations to ensure the protection of drinking water supplies, quality and quantity.

Objective 1-4: Protect aquatic habitat by restoring stream continuity through improved culvert replacement projects.

Goal #2 Permanently protect important open space and ensure conservation areas are appropriately managed for flora and fauna habitat integrity and resiliency.

Objective 2-1: Identify and protect important unprotected parcels of open space by securing funding for fee simple land acquisition and/or purchase of Conservation Restrictions.

Objective 2-2: Promote innovative forms of Low Impact Development (LID) appropriate to Southwick's rural character

Objective 2-3: Maintenance protocols are established and implemented for all protected open space including conservation land and recreational facilities.

Goal #3: Preserve working farms and forests in support of an agricultural way of life in Southwick.

Objective 3-1: Ensure the viability of agriculture as a way of life in Southwick.

Objective 3-2: Ensure the protection of important agricultural farmland.

Objective 3-3: Assist private woodland owners in developing and implementing forest stewardship plans and management practices.

Goal #4: Improve and expand recreational and environmental education opportunities for people of all ages while preserving Southwick's scenic, cultural and historic character.

Objective 4-1: Continue summer recreation program(s) for community.

Objective 4-2: Implement trail system in Goose Pond area.

Objective 4-3: Properly manage existing recreational facilities and control non-authorized uses.

Objective 4-4: Increase community awareness of conservation areas for public use and outdoor education opportunities.



The Action Plan

(See Map 8: Seven-Year Action Plan)

The Seven-year Action Plan below shows a number of objectives with associated projects and strategies developed through community input and consultation with the Conservation, Planning, and all Land Use Departments. Many of the actions listed reflect priorities and recommendations that have been in development for many years, and it is Southwick's intention that this plan will help begin the implementation phase of such projects.

Responsible Party

The Seven-year Action Plan tries to identify the responsible party(s) that would be critical to implementing and completing each task—Town staff, boards and committees, volunteers, and local organizations. The Town of

Southwick has limited staff who collaborate on projects as well as work independently on specific tasks. In addition to Town staff, there are citizen volunteers who contribute to the success of many projects undertaken by the Town of Southwick.

Timeline

The Seven-year Action Plan categorizes action steps by the estimated timeframe needed to implement each action. Many of the recommended actions and strategies are complex tasks that are best accomplished in phases and with assistance from various departments and boards and committees. The timeframe in the Action Plan is enumerated as follows:

- Ongoing
- Short term: 1-3 years
- Intermediate: 3-5 years
- Long term: 5-7 years

Funding

Funding is critical to the success of many of the objectives and actions, and in these uncertain economic times it is difficult to identify specific funding sources. The Town of Southwick recognizes the importance and causal relationship between successful projects and successful funding, and has a long history of securing state grants for land conservation and recreation, and making use of Community Preservation Act (CPA) funds to augment shrinking Town budgets. The Town actively seeks external grant and funding sources, and is proactive in developing creative funding mechanisms for projects, ranging from volunteer efforts and student interns.

Section 9. Seven-year Action Plan



Section 9. Seven-year Action Plan

Implementing the actions and objectives within the Seven-year Action Plan will undoubtedly require the combination of many funding sources— general Town funds, CPA funds, grant awards, volunteer efforts, and private donations—and financial strategies yet to be explored.

- APR Funding—prime farmland and active agricultural operations
- LAND Grants—general open space, watershed protection and habitat preservation, trail corridors
- PARC Grants—active recreation lands- acquisitions and improvements
- LWCF—both active and passive recreation lands, open space, etc.
- MVP--- climate change mitigation
- CPA—the Town of Southwick generates funds annually with this program to help with conservation and recreation.
- Donations of money and land—where possible
- Funding from private land trusts
- Cooperative projects with DCR, MA Fish and Game
- Cooperative projects with US FWS
- Forest Legacy funding for intact forest lands



Section 9. Seven-year Action Plan

Goal #1: Maintain the ecological integrity of aquatic ecosystems and protect the quality and quantity of surface and groundwater drinking water supplies			
Objectives	Actions	Responsible Party	Completion Timeline
Objective 1-1: Obtain funding to permit and implement an Alum treatment followed by a comprehensive dredging program	<ul style="list-style-type: none"> As prescribed by Limnologist, Ken Wagner PHD in the approved Lake management Plan to prevent future Cyanobacteria algae bloom events that will potentially close the lakes and sicken the residents and animals on the lake. The copper sulfate treatments that have acted previously as a band aid cannot continue without doing further long-term damage to the Lakes. In order to combat Climate Change the we all must work together to improve water quality in the Congamond Lakes. This can be accomplished by reducing nonpoint source pollution, alum treatment of all deeper areas of three ponds to "neutralize" phosphorus in accumulated bottom muck, dredging of phosphorus-laden muck from coves and other prioritized shallow areas. This is all defined by Town's consultant Limnologist in 80+ page report including dredging Great Brook and Canal Brook to improve outflow. 	Conservation Coordinator Selectboard Planning Board, Town Planner Conservation Commission Community Preservation Act Committee Lake Management Committee Commonwealth of Massachusetts	short term
	<ul style="list-style-type: none"> Lake wide Alum Treatment followed by comprehensive dredging program Continue to implement an aggressive aquatic weed monitoring and control program. Conduct sediment removal analysis for Great Brook, Canal Brook, South Pond near South Boat Ramp in conjunction with South Ramp reconstruction project, and cove opposite North Ramp. Continue sediment removal analysis for Canal Brook, coves and shallow areas to support work of the Town's consultant limnologist. 		short term-intermediate short term-long term ongoing long term
Objective 1-2: Continue to reduce invasive aquatic weed populations in the Congamond Lakes.			
Objective 1-3: Improve local regulations to ensure the protection of drinking water supplies, quality and quantity.	<ul style="list-style-type: none"> Update aquifer protection bylaw to meet current DEP standards. Strengthen private well regulations to ensure consistency with municipal water conservation goals. Better enforcement and public outreach of regulations that protect wetlands and other water resources. 	Board of Health Selectboard Planning Board, Town Planner	long term
Objective 1-4: Protect aquatic habitat by restoring stream continuity through improved culvert replacement projects.	<ul style="list-style-type: none"> Support design and construction of priority culvert replacements Fred Jackson Road - Culvert funded FY2019. Klaus Anderson Road - MVP Grant FY 2019 	DPW Selectboard Conservation Commission Conservation Coordinator	ongoing



Section 9. Seven-year Action Plan

Goal #2 Permanently protect important open space and ensure conservation areas are appropriately managed for flora and fauna habitat integrity and resiliency			
Objectives	Actions	Responsible Party	Completion Timeline
Objective 2-1: Identify and protect important unprotected parcels of open space by securing funding for fee simple land acquisition and/or purchase of Conservation Restrictions.	<ul style="list-style-type: none"> Utilize Community Preservation Act Funds for land acquisition. Work with property owners to permanently protect land through fee acquisition and/or conservation restrictions Work with local land trusts to secure funding and negotiate land conservation arrangements. Have existing CR's on Flexible Subdivisions approved by the Commonwealth as Article 97 lands. 	Conservation Coordinator Selectboard Planning Board, Town Planner Conservation Commission	intermediate
Objective 2-2: Promote innovative forms of Low Impact Development (LID) appropriate to Southwick's rural character	<ul style="list-style-type: none"> Offer incentives to developers to encourage the practice of LID development. Use regulations and incentives such as open space offsets, Transfers of Development Rights (TDR's), and preservation banks, to encourage design that enhances the landscape. 	Planning Board, Town Planner Conservation Commission Conservation Coordinator	ongoing
Objective 2-3: Maintenance protocols are established and implemented for all protected open space including conservation land and recreational facilities.	<ul style="list-style-type: none"> Revise zoning overlay districts for aquifer, watershed, and farmland resources. Develop a street tree inventory and shade tree replacement plan in conjunction with the Town's 250th anniversary in 2020. Educate the public about the value of working landscapes. 	Planning Board, Town Planner Conservation Commission, Conservation Coordinator	ongoing-long term



Section 9. Seven-year Action Plan

Goal #3: Preserve working farms and forests in support of an agricultural way of life in Southwick.			
Objectives	Actions	Responsible Party	Completion Timeline
Objective 3-1: Ensure the viability of agriculture as a way of life in Southwick. Protect and encourage productive farms and agricultural businesses in areas traditionally farmed and where those businesses are currently operating.	<ul style="list-style-type: none"> • Make use of Community Preservation Act (CPA) funds for conservation, farmland protection, and recreation in a way that complements the other CPA goals of historical preservation and provision of low-income housing. 	Community Preservation Act Committee Conservation Coordinator Conservation Commission Community Development Committee Historical Commission Housing Commission	Ongoing
	<ul style="list-style-type: none"> • Identify and preserve unprotected priority agricultural lands (i.e. Farmland Conservancy zoning district and areas with prime soils). 	Open Space Committee Conservation Commission Conservation Coordinator Planning Board Community Preservation Act Committee	Ongoing-Long term
Objective 3-2: Ensure the protection of important agricultural farmland. Work with the Agriculture Commission to promote and preserve the local agricultural economy. Continue to expand the use of funding for APR and CR acquisition of farmland.	<ul style="list-style-type: none"> • Develop a protocol for conserving active farmland and open space within these priority areas. 	Open Space Committee Conservation Commission Conservation Coordinator Planning Board Select Board Agricultural Commission	Intermediate
	<ul style="list-style-type: none"> • Direct infill development to existing village centers with zoning, developer incentives and transfer of development rights (TDR's). 		Ongoing/Long term
	<ul style="list-style-type: none"> • Revise and expand farming overlay districts, and create new forestry districts. 		
	<ul style="list-style-type: none"> • Refine the Town's AC and Industrial zoning overlay district to reflect accurate land uses and prime soils. 		
	<ul style="list-style-type: none"> • Eliminate and modify land use regulations and local bylaws that hinder the use of conservation restrictions and other innovative land management techniques that help preserve farmland. 		
	<ul style="list-style-type: none"> • Increase citizen resources, in particular, availability of funding for small-scale farming operations. 		
	<ul style="list-style-type: none"> • Enhancement of a community-wide sign system, including a standard design, that helps interpret farming operations and connects outdoor recreation with agriculture. 		
	<ul style="list-style-type: none"> • Use the various media resources (website, Town Hall, Library, local TV) to advertise workshops and inform the public about the role of farming to the local economy. 		
	<ul style="list-style-type: none"> • Build a year-round farmer's market where local produce is sold and where educational material can be handed out. 		
	<ul style="list-style-type: none"> • Institute Farmers Forums and coordination between Conservation Commission and Agricultural Commission on land preservation. 		
	<ul style="list-style-type: none"> • Encourage development of Community Gardens as a way to educate public about the value of locally grown products and to use as an interpretive tool to relate to the agricultural history of the community. 		
	<ul style="list-style-type: none"> • Encourage development of Community Gardens as a way to educate public about the value of locally grown products and to use as an interpretive tool to relate to the agricultural history of the community. 		
Objective 3-3: Assist private woodland owners in developing and implementing forest stewardship plans and management practices.	<ul style="list-style-type: none"> • Develop protocol for working with private landowners prior to the sale of property. • Increase grant applications and attend workshops for keeping farmland in our community. • Make use of flexible zoning and limited development scenarios to make cost of farmland conservation feasible. 	Conservation Commission Agricultural Commission Conservation Commission Planning Board	Intermediate



Section 9. Seven-year Action Plan

Goal #4: Improve and expand recreational and environmental education opportunities for people of all ages while preserving Southwick’s scenic, cultural and historic character.				
Objectives	Actions	Responsible Party	Completion Timeline	
Objective 4-1: Continue summer recreation program(s) for community.	<ul style="list-style-type: none"> • Increase the diversity and range of quality recreational and supplemental education programs for residents of Southwick. 	LSSE Department	short term	
	<ul style="list-style-type: none"> • Support the design process to develop a vision for Prifti Park 	All responsible parties	short term	
	<ul style="list-style-type: none"> • Provide a mix of long trails (the New England Scenic Trail and the Rail Trail), short out-and-back trails, and short loop trails. 	Conservation Commission Conservation Coordinator Parks & Recreation Committee Planning Board, Town Planner	intermediate	
	<ul style="list-style-type: none"> • Improve North Pond Conservation Area as a conservation and recreation area with volunteer stewardship programs, develop accessible trail system, and interpretive sign system explaining benefits of respecting the environment. 	Conservation Commission Conservation Coordinator MA Fish & Wildlife Local partnerships	ongoing-long term	
	Objective 4-2: Implement trail system in Goose Pond area.	<ul style="list-style-type: none"> • Expand accessible trail system in conservation areas distributed evenly throughout town. 	Conservation Commission Conservation Coordinator Planning Board, Town Planner Community Development Committee	long term
		<ul style="list-style-type: none"> • Inventory and evaluate Town-owned lands that are not dedicated or restricted to an exclusive public use. 	Open Space Committee Conservation Commission Conservation Coordinator	intermediate
<ul style="list-style-type: none"> • Publicize national and state recreation standards to inform Southwick Residents about the relative shortfalls in Town recreational facilities. 		Conservation Commission Conservation Coordinator Planning Board, Town Planner	short term	
Objective 4-3: Properly manage existing recreational facilities and control non-authorized uses.	<ul style="list-style-type: none"> • Site, design and construct a skateboarding and roller boarding park, preferably At Whalley Park 	Parks & Recreation Committee Selectboard	long term	
	Establish recreational opportunities near population centers such as existing neighborhoods and the Town Center.	<ul style="list-style-type: none"> • Establish and enhance open spaces in and around the Town Center, connected where feasible to other Town trail systems and sidewalks, to create a walkable network of open spaces. 	Conservation Commission Conservation Coordinator Planning Board, Town Planner Department of Public Works Community Development Committee	intermediate-long term
		<ul style="list-style-type: none"> • Conduct feasibility study for building a new multi-use, indoor/outdoor community recreation center near Southwick Center that could provide studio and performing arts space, a teen center, a gymnasium, and a swimming pool. 	Parks & Recreation Selectboard	intermediate
		<ul style="list-style-type: none"> • Improve playgrounds for young children close to downtown and other population centers. 	Parks & Recreation Committee Selectboard	long term
Objective 4-4: Increase community awareness of conservation areas for public use and outdoor education opportunities.	<ul style="list-style-type: none"> • Inventory existing vacant properties and develop a plan for their restoration to better serve the public’s use. 	Conservation Commission Planning Board, Town Planner Conservation Coordinator	short term	
	<ul style="list-style-type: none"> • Work with affordable housing, transportation, and the Conservation Commission and other community organizations to position the town’s parks as vital centers of civic and economic life. 	Town Manager Community Development Committee Conservation Commission Conservation Coordinator Planning Board, Town Planner	intermediate-long term	

SECTION 10: PUBLIC COMMENTS

SEE SECTION 12

APPENDIX C

SECTION 11: REFERENCES

- MA Department of Conservation and Recreation, Pioneer Valley Planning Commission, Franklin Council of Governments, June 2009. *Southwick Reconnaissance Report: Connecticut River Valley Reconnaissance Survey, MA Heritage Landscape Inventory Program.*
- MassGIS Landuse, 2005. <http://www.state.ma.us/mgis/lus.htm>
- Metacomet Monadnock Mattabesett Trail System, Draft Report, National Park Service, 2006.
- Open Space Planners Workbook*, Executive Office of Energy & Environmental Affairs, Revised 2008.
- U.S. Census Bureau, *Decennial Census 1990 & 2010 & 2017*
- Massachusetts Department of Education, *1995 & 2010 student enrollment data.*
- U.S. Census Bureau, *20017 Commuter Survey*
- Massachusetts Executive Office of Labor and Workforce Development, *Employment and Wage (ES-202) data, 2017*
- Massachusetts Executive Office of Labor and Workforce Development, *Employment and Wage (ES-202) data, 2017*

SECTION 12: APPENDIX

Appendix A - INVENTORY OF OPEN SPACE AND RECREATIONAL LANDS

- A-1 Town Conservation Lands
- A-2 Chapter 61 Lands
- A-3 Chapter 61-A Lands
- A-4 Chapter 61-B Lands
- A-5 APR Lands
- A-6 Subdivision Open Space Lands
- A-7 State Lands / West Springfield Lands

Appendix B - MAPS

- SEVEN YEAR ACTION PLAN MAP
- OPEN SPACE MAP
- REGIONAL CONTEXT MAP
- ZONING MAP
- SOILS & GEOLOGIC FEATURES MAP
- WATER RESOURCES MAP

Appendix C - ADA SELF-EVALUATION

Name	Ownership	Management	Current Use	Condition	Recreation Potential	Public Access	Funding/ Grant			Zoning	Degree of Protection	Parcel Address	Acres
							Price	Local	State				
Berkshire Avenue	Selectboard	Selectboard	Wildlife Habitat	Good	Lake Front Viewing Area	Yes, From Berkshire no parking area				R20	Temporary	56C Berkshire	13.200 square feet
	Commission Conservation	Conservation Commission	Wildlife Habitat	Good	Local Trail connections Boardwalk	Yes, access from Rail Trail	Tax Taking Donation			R20	Temporary	Goose Pond	54.00
Goose Pond Conservation Area	Commission Conservation	Conservation Commission	Wildlife Habitat	Good	Nature Trails	Yes, access from Rail Trail	CPA funded \$20,000			R20	Permanent	Goose Pond	12.6
	Commission Conservation	Conservation Commission	Wildlife Habitat	Good	Nature Trails	Yes, access from Rail Trail				R20	Permanent	College Hwy	37.8
												Total	104.4
Granville Gorge	Conservation Commission	Conservation Commission	Passive Recreation Hiking	Good	Local Trail; connection	Yes, parking area	Gift			AC	Permanent	374 Granville Rd	5.0
	Conservation Commission	Conservation Commission	Wildlife Habitat	N/A	Wildlife Habitat	Limited No Parking	Gift			R20	Temporary	44 South Longard Rd	.80
Loupinski Wildlife Management Area	MA FWD	MA FWD	Wildlife Habitat Hunting Area	Good	Hunting Wildlife Habitat	Yes, Parking Area	Self Help Grant \$400,000			R40	Permanent CR#3	456 North Loomis St	62.37
	Conservation Commission	Conservation Commission	Wildlife Habitat	Good	Wildlife Habitat	No Parking				R40	Permanent CR#3	456 North Loomis St	8.00
												Total	70.37
Miller Road	Park & Rec	Conservation Commission	Wildlife Habitat	Good	Local Trail; connection	Yes, Access from Rail Trail	Gift			AC	Permanent	59R Mißler Road	10.06
	Park & Rec	Conservation Commission	Wildlife Habitat	Good	Local Trail; connection	Yes, Access from Rail Trail	Gift			AC	Permanent	South Road	30.0
												Total	40.06
New England National Scenic Trail	Conservation	Conservation	Wildlife Habitat Hiking	Good	Hiking Wildlife Habitat	Yes, parking area	\$300,000 CPA	\$25,000		R20A	Permanent Article 97	5R Rising Corner Rd	43.34
	Conservation	Conservation	Passive Recreation Wildlife Habitat	Good	Hiking Trails Fishing, Wildlife Habitat	Yes, Parking Area	\$5,000,000.00	\$400,000 LAND Grant \$600,000 FWD		R20	Permanent Article 97	49 South Longyard Rd	62.35

Name	Ownership	Management	Current Use	Condition	Recreation Potential	Public Access	Price	Funding/ Grant			Zoning	Degree of Protection	Parcel Address	Acres
								Local	State	Private				
Old Town Beach														
	Parks & Recreation	Parks & Recreation	Passive Recreation	Good-	Passive Recreation Picnic, Kayaking	Yes, Limited parking area	Gift				R20	Permanent	124-11 160 Berkshire Ave	1.4
Pauline Circle														
	Conservation Commission	Conservation Commission	Wildlife Habitat	Good	Rest Area of off Rail Trail	Direct Access from Rail Trail	Gift				R20	Permanent	Pauline Circle off	2.4
Prifti Park														
	Town of Southwick	Parks & Recreation	Play Scope Volleyball Courts	Good	Play Scope Volleyball Courts	Yes, Parking at Town hall	Donation				BR	Temporary	454 College Highway	?
Rail Trail Corridor														
	Town of Southwick	Parks & Recreation	Bike Path	Good	Bike Path	Yes, Multiple Parking Areas	Gift				Mixed	Permanent	Various	6 Miles
Sodom Mountain														
	Conservation Commission	Conservation Commission	Wildlife habitat	Good	Passive Recreation Trails	No Frontage	Gift				AC	Temporary	056-08 Granville Rd off	83
Sofnowski Preserve														
	Conservation Commission	Conservation Commission	Hiking Trails Community Garden	Good	Hiking Trails Community Garden	Yes, Parking Area	\$400,000.00				R40	Permanent	55 Mort Vining Rd	122.37
Sterrett Farm Nature Walk														
	Conservation Commission	Conservation Commission	Nature Walk	Good	Trail to Brook	Yes, On Street Parking	Gift				R40	Permanent	053-004 Coes Hill Road	11.1
Tobacco Road Vacant Lot														
	Commission	Commission	Habitat	Poor	Habitat	Yes, No parking	Gift				R20	Permanent	135-057 Field Street	.14
Town Beach														
	Parks & Recreation	Parks & Recreation	Swimming, Picnicking	Good	Swimming, Picnicking	Yes, Parking areas					R20	Permanent	149-004 14 Beach Road	17.0
Town Hall Campus														
	Selectboard	Selectboard	Passive Recreation	Good	Basketball, Volleyball Boardwalk, Playscape	Yes, Town Hall Parking					BR	Temporary	068-001 454 College Highway	17.0

Ownership	Management	Current Use	Condition	Recreation Potential	Public Access	Zoning	Degree of Protection	Parcel	Parcel Address	Acres
Agawam Bowman Inc	Private	Private	N/A	Possible Trail Connections	By permission	AC	Temporary-Chapter 61 (Forest)	071/005	309 Feeding Hills Rd	35.0
Agawam Bowman Inc	Private	Private	N/A	Possible Trail Connections	By permission	AC	Temporary-Chapter 61 (Forest)	095/001	309 Feeding Hills Rd	21.0
Arnold, John S.	Private	Private	N/A	Possible Trail Connections	By permission	R40	Temporary-Chapter 61 (Forest)	153/008	113 Mort Vining Rd	16.85
Beckwith, Edwin A.	Private	Private	N/A	Possible Trail Connections	By permission	AC	Temporary-Chapter 61 (Forest)	106/001	Sodom Mt Rd	133
Beckwith, Edwin A.	Private	Private	N/A	Possible Trail Connections	By permission	AC	Temporary-Chapter 61 (Forest)	107/002/001	South Loomis St	53.25
Birchall, James	Private	Private	N/A	Possible Trail Connections	By permission	R40	Temporary-Chapter 61 (Forest)	036/006	44 Charles Johnson Rd	30.0
Brockbank, Merridith G	Private	Private	N/A	Possible Trail Connections	By permission	AC	Temporary-Chapter 61 (Forest)	082/001	Whitewood Ln Rear	82
Brockbank, Merridith G	Private	Private	N/A	Possible Trail Connections	By permission	AC	Temporary-Chapter 61 (Forest)	081/020	3 Whitewood Ln	.58
Brockbank, Merridith G	Private	Private	N/A	Possible Trail Connections	By permission	AC	Temporary-Chapter 61 (Forest)	081/014	6 Whitewood Ln	.18
Dandy Realty LLC	Private	Private	N/A	Possible Trail Connections	By permission	AC	Temporary-Chapter 61 (Forest)	013/001	341 R North Loomis St	122
Girroi, Michael R.	Private	Private	N/A	Possible Trail Connections	By permission	R40	Temporary-Chapter 61 (Forest)	084/003	134R South Loomis St	18
Girroi, Michael R.	Private	Private	N/A	Possible Trail Connections	By permission	R40	Temporary-Chapter 61 (Forest)	084/005	134 South Loomis St	21
Girroi, Michael R.	Private	Private	N/A	Possible Trail Connections	By permission	R40	Temporary-Chapter 61 (Forest)	084/006	134R South Loomis St	11.3
Jacquier, Francis P	Private	Private	N/A	Possible Trail Connections	By permission	R40	Temporary-Chapter 61 (Forest)	086/008	58 Fred Jackson Rd	30.01
Jaydub	Private	Private	N/A	Possible Trail Connections	By permission	R40	Temporary-Chapter 61 (Forest)	037/006	Charles Johnson Rd	68
Jaydub	Private	Private	N/A	Possible Trail Connections	By permission	R40	Temporary-Chapter 61 (Forest)	037/008	36 Charles Johnson Rd	5.35
Jaydub	Private	Private	N/A	Possible Trail Connections	By permission	R40	Temporary-Chapter 61 (Forest)	065/004	37 R Coes Hill Rd	58
Jaydub	Private	Private	N/A	Possible Trail Connections	By permission	R40	Temporary-Chapter 61 (Forest)	077/002	College Hwy Off	24.12
Lambson, Donna	Private	Private	N/A	Possible Trail Connections	By permission	AC	Temporary-Chapter 61 (Forest)	034/001	385 Granville Rd	39.36
John S Lane & Son Inc	Private	Private	N/A	Possible Trail Connections	By permission	AC	Temporary-Chapter 61 (Forest)	094/001	Feeding Hills Rd Off	16.68
Samuelson, Craig R.	Private	Private	N/A	Possible Trail Connections	By permission	AC	Temporary-Chapter 61 (Forest)	002/001	53 R Honey Pot Rd	55
Sorcinielli, Antonio	Private	Private	N/A	Possible Trail Connections	By permission	R40	Temporary-Chapter 61 (Forest)	060/002	197 South Loomis St	57
Tobias, Daniel P.	Private	Private	N/A	Possible Trail Connections	By permission	R40	Temporary-Chapter 61 (Forest)	063/012	54 Hillside Rd	15.37
Whalley, Kathy	Private	Private	N/A	Possible Trail Connections	By permission	R40	Temporary-Chapter 61 (Forest)	031/015	326 North Loomis St	47
Eheander, Eric	Private	Private	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61 (Forest)	056/001	318 Granville Rd	?

Ownership	Management	Current Use	Condition	Recreation Potential	Public Access	Zoning	Degree of Protection	Parcel	Parcel Address	Acres
Arnold, John S.	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	153-008	113 Mort Vining Rd	1.25
Arnold, John S.	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	153-008	113 Mort Vining Rd	3.85
Arnold, John S.	Private	714	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	153-008	113 Mort Vining Rd	1.75
Arnold, R. E.	Private	711	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	126/002	292 College Hwy	25.00
Arnold, R. E.	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	126/002	292 College Hwy	57.62
Arnold, R. E.	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	126/002	292 College Hwy	2.00
Arnold, R. E.	Private	720	N/A	Possible Trail Connections	By permission		Permanent -APR (Agriculture)	124/026	179 R Berkshire Ave	24.00
Baker, Warren	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	016-013	43 Will Palmer Rd	15.46
Baker, Warren	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	016-013	43 Will Palmer Rd	52.24
Baker, Warren	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	016-017	32 Will Palmer Rd	8.00
Baker, Warren	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	016-01	32 Will Palmer Rd	8.00
Baker, Warren J.	Private	712	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	109-001	121 Klaus Anderson Rd	11.18
Bannish, Paul F.	Private	711	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	117/021	239 S. Longyard Rd	10.58
Bannish, Lawrence	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	017-009-001	Sunnyside Rd	4.80
Barna, Brenda	Private	711	N/A	Possible Trail Connections	By permission		Permanent -APR (Agriculture)	117-020	241 S. Longyard Rd	25.46
Barna, Brenda	Private	720	N/A	Possible Trail Connections	By permission		Permanent -APR (Agriculture)	117-020	241 S. Longyard Rd	0.62
Barna, Brenda	Private	720	N/A	Possible Trail Connections	By permission		Permanent -APR (Agriculture)	117-020	241 S. Longyard Rd	41.72
Berry, Robert L. Trust	Private	718	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	55-23	274 R Granville Rd.	10.70
Bisi, Roger	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	23-015	146 N. Longyard Rd	33.14
Bisi, Roger	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	23-015	146 N. Longyard Rd	30.94
Bisi, Roger	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	45-002	136 R N. Longyard Rd	27.00
Bisi, Roger	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	45-001	136 N. Longyard Rd	8.70
Bober, Jeffrey	Private	712	N/A	Possible Trail Connections	By permission		Permanent -APR (Agriculture)	133-019	249 College Highway	18.39
Bober, Jeffrey	Private	720	N/A	Possible Trail Connections	By permission		Permanent -APR (Agriculture)	133-019	249 College Highway	29.00

Ownership	Management	Current Use	Condition	Recreation Potential	Public Access	Zoning	Degree of Protection	Parcel	Parcel Address	Acres
Brooks, Alan H.	Private	715	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	102-007	32 Klaus Anderson Rd	10.62
Brooks, Alan H.	Private	715	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	Bad Land	32 Klaus Anderson Rd	4.00
Brown, Randal	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	103-018	95 Fred Jackson Rd	3.50
Brown, Randal	Private	714	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	103-018	95 Fred Jackson Rd	0.10
Brown, Randal	Private	718	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	103-018	95 Fred Jackson Rd	5.50
Brown, Randal	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	103-018	95 Fred Jackson Rd	15.91
Brown Trustee, Terri L.	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	086-001	110 Fred Jackson Rd	8.00
Brown Trustee, Terri L.	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	80-004	166 Fred Jackson Rd	5.77
Bzoska Trustee, Emily Susan	Private	712	N/A	Possible Trail Connections	By permission		Permanent - APR (Agriculture)	063-010	12 Hillside Rd	8.00
Bzoska Trustee, Emily Susan	Private	713	N/A	Possible Trail Connections	By permission		Permanent - APR (Agriculture)	063-010	12 Hillside Rd	95.00
Bzoska Trustee, Emily Susan	Private	718	N/A	Possible Trail Connections	By permission		Permanent - APR (Agriculture)	063-010	12 Hillside Rd	5.00
Bzoska Trustee, Emily Susan	Private	720	N/A	Possible Trail Connections	By permission		Permanent - APR (Agriculture)	063-010	12 Hillside Rd	44.00
Burkhardt, Ronald	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	156-018	85 Mort Vining Rd	4.08
Burkhardt, Ronald	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	156-018-003	Mort Vining Rd	2.92
Burkhardt, Ronald	Private	718	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	156-018-003	Mort Vining Rd	7.33
Burkhardt, Ronald	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	156-018-003	Mort Vining Rd	10.83
Burkhardt, Ronald	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	156-018-003	Mort Vining Rd	10.83
Burkhardt, Ronald	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	156-018-003	Mort Vining Rd	7.22
Calabrese, Joseph E.	Private	712	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	72-003	257 Feeding Hills Rd	49.96
Calabrese, Joseph E.	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	72-003	257 Feeding Hills Rd	4.50
Calabrese, Joseph E.	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	72-003	257 Feeding Hills Rd	24.62
Calabrese, Joseph E.	Private	712	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	117-005	246 South Longyard Rd	44.46
Calabrese, Joseph E.	Private	712	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	117-005	246 South Longyard Rd	44.46
Calabrese, Joseph E.	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	117-005	246 South Longyard Rd	62.50

Ownership	Management	Current Use	Condition	Recreation Potential	Public Access	Zoning	Degree of Protection	Parcel	Parcel Address	Acres
Calabrese Farms Realty Trust	Private	712	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	93-001	52 Foster Rd.	25.00
Calabrese, Thomas J.	Private	712	N/A	Possible Trail Connections	By permission		Permanent -APR (Agriculture)	117-023	223 S. Longyard Rd	69.08
Cannizzaro, Michael N.	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	032-001	327 North Loomis St.	20.46
Cannizzaro, Michael N.	Private	718	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	032-001	327 North Loomis St.	10.62
Carroll, Edward	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	101-009	414 College Hwy	5.46
Carroll, Edward	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	101-009	414 College Hwy	1.00
Carroll, Edward	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	101-009	414 College Hwy	17.00
Case, Francis	Private	711	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	120-015	309 S. Longyard Rd	10.00
Case, Francis	Private	718	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	120-015	309 S. Longyard Rd	20.00
Case, Francis	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	120-015	309 S. Longyard Rd	7.08
Clark Grace Ann Trustee of	Private	711	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	161-007	Baker's Shore Rd	9.09
Clark Grace Ann Trustee of	Private	711	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	161-007	Baker's Shore Rd	10.91
Clark Grace Ann Trustee of	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	161-007	Baker's Shore Rd	19.41
Coward Irrevocable TrustConnie E.	Private	712	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	146-018	13 Congamond Rd	2.00
Coward Irrevocable TrustConnie E.	Private	715	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	146-018	13 Congamond Rd	4.50
Coward Irrevocable TrustConnie E.	Private	718	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	146-018	13 Congamond Rd	7.14
Coward Irrevocable TrustConnie E.	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	146-018	13 Congamond Rd	2.50
Coward, John D.	Private	712	N/A	Possible Trail Connections	By permission		Permanent -APR (Agriculture)	144-004	Mort Vining Rd	10.21
Coward, John D.	Private	720	N/A	Possible Trail Connections	By permission		Permanent -APR (Agriculture)	144-004	Mort Vining Rd	23.79
Coward, John D.	Private	715	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	146-027	166 College Hwy	30.00
Coward, John D.	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	146-027	166 College Hwy	16.17
Coward, John D.	Private	712	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	146-028	150 College Hwy	2.79
D'Amico, Rita	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	165-001	38 Mort Vining Rd	5.46
D'Amico, Rita	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	165-001	38 Mort Vining Rd	34.58

Ownership	Management	Current Use	Condition	Recreation Potential	Public Access	Zoning	Degree of Protection	Parcel	Parcel Address	Acres
D'Amico, Rita	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	165-001	38 Mort Vining Rd	29.04
Davis Trustees, Robert S.	Private	712	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	100-073	217 Sheep Pasture Rd	14.58
Davis Trustees, Robert S.	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	100-073	217 Sheep Pasture Rd	28.50
Davis, Robert S.	Private	712	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	102-038	2 Klaus Anderson Rd	16.98
Davis, Robert S.	Private	714	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	102-038	2 Klaus Anderson Rd	11.10
Desteph, Joseph	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	132-023	21 Davis Rd	11.99
Deveno, Davit T.	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	126-008-001	307 College Highway	21.46
Deveno, Davit T.	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	126-008-001	307 College Highway	21.45
Deveno, John P.	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	126-008	299 College Highway	17.00
Deveno, John P.	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	126-008	299 College Highway	25.22
Duniap, Jr. Charles H.	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	128-018	164 Vining Hill Rd	7.78
Duniap, Jr. Charles H.	Private	715	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	128-018	164 Vining Hill Rd	1.00
Dziengelewski, Vivian	Private	712	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	139-004	234 College Highway	10.00
Dziengelewski, Vivian	Private	718	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	133-017	234 College Highway	44.62
Feldman, Jack S.	Private	712	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	163-002	1R College Highway	5.00
Feldman, Jack S.	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	163-002	1R College Highway	10.00
Feldman, Jack S.	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	163-002	1R College Highway	19.00
Feldman, Jack S.	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	164-002	26 College Highway	5.46
Filialt, Julie R.	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	078-025	94 Granville Rd	44.46
Flynn, Diana Marie	Private	713	N/A	Possible Trail Connections	By permission		Permanent -APR (Agriculture)	165-007	49 Mort Vining Rd	31.00
Flynn, Diana Marie	Private	718	N/A	Possible Trail Connections	By permission		Permanent -APR (Agriculture)	165-007	49 Mort Vining Rd	5.00
Flynn, Diana Marie	Private	720	N/A	Possible Trail Connections	By permission		Permanent -APR (Agriculture)	165-007	49 Mort Vining Rd	26.08
Fox, Russell Stone	Private	712	N/A	Possible Trail Connections	By permission		Permanent -APR (Agriculture)	127-019	63 Davis Rd	22.38
Fox, Russell Stone	Private	718	N/A	Possible Trail Connections	By permission		Permanent -APR (Agriculture)	127-019	63 Davis Rd	33.15

Ownership	Management	Current Use	Condition	Recreation Potential	Public Access	Zoning	Degree of Protection	Parcel	Parcel Address	Acres
Fox, Russell S.	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	114-013	187 Mort Vining Rd	20.00
Fox, Russell S.	Private	718	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	114-013	187 Mort Vining Rd	7.16
Garden Farm Properties Nascimbeni	Private	712	N/A	Possible Trail Connections	By permission		Permanent -APR (Agriculture)	152-001	120 College Hwy	11.67
Garden Farm Properties Nascimbeni	Private	712	N/A	Possible Trail Connections	By permission		Permanent -APR (Agriculture)	152-001	120 College Hwy	4.72
Garden Farm Properties Nascimbeni	Private	712	N/A	Possible Trail Connections	By permission		Permanent -APR (Agriculture)	152-001	120 College Hwy	4.68
Garden Farm Properties Nascimbeni	Private	720	N/A	Possible Trail Connections	By permission		Permanent -APR (Agriculture)	152-001	120 College Hwy	19.83
Garden Farm Properties Nascimbeni	Private	712	N/A	Possible Trail Connections	By permission		Permanent -APR (Agriculture)	157-001	74R College Hwy	4.68
Garden Farm Properties Nascimbeni	Private	713	N/A	Possible Trail Connections	By permission		Permanent -APR (Agriculture)	157-001	74R College Hwy	37.72
Griffin, Jonathan H.	Private	713	N/A	Possible Trail Connections	By permission		Permanent -APR (Agriculture)	147-026	12 Sheep Pasture Rd	7.25
Gregoire, Paul A.	Private	718	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	131-005	233 Mort Vining Rd	5.46
Gregoire, Paul A.	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	131-005	233 Mort Vining Rd	14.62
Gregoire, Paul A.	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	142-016	Lincoln Rd	0.38
Gregoire, Paul A.	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	142-016	Lincoln Rd	13.62
Gregoire, Paul A.	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	142-016	Lincoln Rd	7.00
Guarco, David A.	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	157-004	32 College Hwy	26.00
Guarco, David A.	Private	718	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	157-004	32 College Hwy	20.00
Guarco, David A.	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	157-004	32 College Hwy	53.00
Guarco, David A.	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	157-004	32 College Hwy	11.00
Hanna Family Trust	Private	718	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	055-001	275 Granville Rd	28.62
Hanna Family Trust	Private	718	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	055-001	275 Granville Rd	10.46
Hanna Family Trust	Private	718	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	055-001	275 Granville Rd	16.24
Hayden, Alberta K Trustee	Private	712	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	032-002	331 North Loomis St	25.00
Hayden, Alberta K Trustee	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	032-002	331 North Loomis St	133.08
Hayden(Wheeler), Mary E.	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	019-016	826 College Hwy	1.20

Ownership	Management	Current Use	Condition	Recreation Potential	Public Access	Zoning	Degree of Protection	Parcel	Parcel Address	Acres
Hayden(Wheeler), Mary E.	Private	718	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	019-016	826 College Hwy	9.60
Impoco, Jr. Joseph F.	Private	718	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	139-003	41 Sheep Pasture Rd	19.46
Impoco, Jr. Joseph F.	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	139-003	41 Sheep Pasture Rd	0.62
Jaydub, LLC	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	103-001	18 Curtis Rd.	25.00
Jaydub, LLC	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	103-001	18 Curtis Rd.	26.08
Jaydub, LLC	Private	712	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	037-018	129 Hillside Rd	21.00
Jaydub, LLC	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	037-018	129 Hillside Rd	22.92
Jaydub, LLC	Private	713	N/A	Possible Trail Connections	By permission		Permanent -APR (Agriculture)	078-012	137 Granville Rd	61.56
Jaydub, LLC	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	040-003	711 College Hwy	2.08
Jaydub, LLC	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	040-003	711 College Hwy	0.92
Jaydub, LLC	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	040-002	709 College Hwy	73.00
Jaydub, LLC	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	052-012	57 Coes Hill Rd	63.20
Jaydub, LLC	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	052-012	57 Coes Hill Rd	6.88
Jaydub, LLC	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	092-068	45 Foster Rd	0.18
Jaydub, LLC	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	092-068	45 Foster Rd	1.20
Jaydub, LLC	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	092-072	10 Liberty Ln	0.92
Jaydub, LLC	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	092-071	8 Liberty Ln	0.94
Jaydub, LLC	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	092-070	6 Liberty Ln	0.94
Jaydub, LLC	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	092-069	4 Liberty Ln	1.02
Jaydub, LLC	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	092-077	off Liberty Ln	2.17
Jaydub, LLC	Private	713	N/A	Possible Trail Connections	By permission		Permanent -APR (Agriculture)	096-005	2 Foster Rd.	10.00
Jaydub, LLC	Private	720	N/A	Possible Trail Connections	By permission		Permanent -APR (Agriculture)	096-005	2 Foster Rd.	27.08
Jaydub, LLC	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	103-002	12 Curtis Rd	10.00
Jaydub, LLC	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	103-002	12 Curtis Rd	10.00

Ownership	Management	Current Use	Condition	Recreation Potential	Public Access	Zoning	Degree of Protection	Parcel	Parcel Address	Acres
Jaydub, LLC	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	103-006	55 Fred Jackson Rd	14.35
Jaydub, LLC	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	103-006	55 Fred Jackson Rd	1.00
Johnson Walter E Irevoc Trust	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	080-004	166 Fred Jackson Rd	1.38
Johnson Walter E Irevoc Trust	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	080-004	166 Fred Jackson Rd	23.62
Johnson Walter E Irevoc Trust	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	080-004	166 Fred Jackson Rd	37.00
Kellogg Constance Trust	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	015-006	375 North Loomis St.	8.00
Kendzierski Lauren	Private	2	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	031-005	358 North Loomis St.	2.00
Kendzierski Lauren	Private	714	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	031-005	358 North Loomis St.	3.00
Kendzierski Lauren	Private	718	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	031-005	358 North Loomis St.	1.08
Kendzierski Lauren	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	031-005	358 North Loomis St.	3.00
Kosinski, Michael G.	Private	720	N/A	Possible Trail Connections	By permission		Permanent -APR (Agriculture)	024-001	Shaker Rd.	7.10
Laro West, LLC	Private	711	N/A	Possible Trail Connections	By permission		Permanent -APR (Agriculture)	023-001	15 Laro Rd	17.00
Laro West, LLC	Private	720	N/A	Possible Trail Connections	By permission		Permanent -APR (Agriculture)	023-001	15 Laro Rd	5.08
Lecrenski, Shirley M.	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	019-017	826R College Hwy	3.00
Lecrenski, Shirley M.	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	019-017	826R College Hwy	3.20
Lecrenski, Shirley M.	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	019-017	826R College Hwy	6.10
Lombella, James P.	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	026-061	64 Tannery Rd.	22.46
Lombella, James P.	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	026-061	64 Tannery Rd.	14.83
Lombella, John G.	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	026-054	58 Tannery Rd.	8.31
Lombella, John G.	Private	718	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	026-054	58 Tannery Rd.	35.50
Lombella, Jon L.	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	020-017	72 Tannery Rd	5.54
Longyard Laro, LLC	Private	711	N/A	Possible Trail Connections	By permission		Permanent -APR (Agriculture)	023-009-001	North Longyard Rd	2.50
Lucia, Jr., Raymond F.	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	062-006	46 Hastings Rd	21.71
Markowski Jr., Edward	Private	711	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	117-019	245 S. Longyard Rd.	31.00

Ownership	Management	Current Use	Condition	Recreation Potential	Public Access	Zoning	Degree of Protection	Parcel	Parcel Address	Acres
Markowski Jr., Edward	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	117-019	245 S. Longyard Rd.	20.69
Markowski Jr., Edward	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	117-019	245 S. Longyard Rd.	12.01
McLaughlin, Thomas J.	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	061-012	22 Kline Rd	23.00
McLaughlin, Thomas J.	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	061-012	22 Kline Rd	1.08
North Longyard LLC	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	069-009	31 North Longyard Rd	1.08
North Longyard LLC	Private	711	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	069-009	31 North Longyard Rd	28.00
North Longyard LLC	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	047-002	51 North Longyard Rd	0.85
North Longyard LLC	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	047-003	55 North Longyard Rd	27.08
Pinell, Arthur G.	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	156-010	72 Mort Vining Rd	14.00
Pinell, Arthur G.	Private	718	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	156-010	72 Mort Vining Rd	12.62
Pinell, Arthur G.	Private	719	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	156-010	72 Mort Vining Rd	3.46
Polverari, The Barbara Rev. Trust	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	044-015-001	88 North Longyard Rd	5.00
Polverari, The Barbara Rev. Trust	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	044-013	114 N. Longyard Rd	8.00
Polverari, The Barbara Rev. Trust	Private	718	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	044-013	114 N. Longyard Rd	18.67
Polverari, The Barbara Rev. Trust	Private	712	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	044-015	94 N. Longyard Rd	8.00
Polverari, The Barbara Rev. Trust	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	044-015	94 N. Longyard Rd	4.00
Polverari, The Barbara Rev. Trust	Private	718	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	044-015	94 N. Longyard Rd	41.00
Prifti, David C.	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	061-013	8 Kline Rd	21.58
Prifti, David C.	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	061-013	8 Kline Rd	10.00
Radwiliwicz, Joseph R. & Judith A.	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	056-010	261 S. Loomis St	50.46
Radwiliwicz, Joseph R. & Judith A.	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	056-010	261 S. Loomis St	47.15
Radwiliwicz, Joseph R. & Judith A.	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	056-004	234 S Loomis St	50.00
Radwiliwicz, Joseph R. & Judith A.	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	056-004	234 S Loomis St	18.82
Radwiliwicz, Joseph R. & Judith A.	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	056-005	232 S Loomis St	1.37

Ownership	Management	Current Use	Condition	Recreation Potential	Public Access	Zoning	Degree of Protection	Parcel	Parcel Address	Acres
Radwilocz Joseph R. & Judith A.	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	056-006	230 S Loomis St	1.38
Radwilocz Joseph R. & Judith A.	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	050-002	Feeding Hills Rd	1.40
Radwilocz Joseph R. & Judith A.	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	066-005	Feeding Hills Rd	3.13
Radwilocz Joseph R. & Judith A.	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	066-005	Feeding Hills Rd	23.62
Radwilocz Joseph R. & Judith A.	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	066-005	Feeding Hills Rd	9.00
Radwilocz Joseph R. & Judith A.	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	066-003	34 Feeding Hills Rd	1.38
Radwilocz Joseph R. & Judith A.	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	066-003	34 Feeding Hills Rd	23.62
Radwilocz Joseph R. & Judith A.	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	066-003	34 Feeding Hills Rd	7.70
Radwilocz Joseph R. & Judith A.	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	066-002	Feeding Hills Rd	5.70
Radwilocz Joseph R. & Judith A.	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	066-002	Feeding Hills Rd	15.00
Rankin, Dean M.	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	061-010	48 Kline Rd	6.00
Rankin, Dean M.	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	061-010	48 Kline Rd	4.40
Rankin, Dean M.	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	061-010	48 Kline Rd	2.62
Ray's Family Farm, LLC	Private	712	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	040-006	723 College Highway	5.00
Silan, Paul J.	Private	712	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	019-004	787 College Highway	12.00
Silan, Paul J.	Private	718	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	019-004	787 College Highway	38.00
Silan, Paul J.	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	019-004	787 College Highway	12.08
Skowera, Sharon	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	157-017	83 College Hwy	2.55
Skowera, Sharon	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	157-007	63 College Hwy	10.00
Skowera, Sharon	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	157-007	63 College Hwy	5.97
Solek, Walter F. & Florence F.	Private	713	N/A	Possible Trail Connections	By permission		Permanent-APR (Agriculture)	061-021	232 Granville Rd	3.00
Solek, Walter F. & Florence F.	Private	718	N/A	Possible Trail Connections	By permission		Permanent-APR (Agriculture)	061-021	232 Granville Rd	7.00
Solek, Walter F. & Florence F.	Private	720	N/A	Possible Trail Connections	By permission		Permanent-APR (Agriculture)	061-021	232 Granville Rd	11.45
Solek, Walter F. & Florence F.	Private	720	N/A	Possible Trail Connections	By permission		Permanent-APR (Agriculture)	061-021	232 Granville Rd	23.38

Ownership	Management	Current Use	Condition	Recreation Potential	Public Access	Zoning	Degree of Protection	Parcel	Parcel Address	Acres
Solek, Walter F. & Florence F.	Private	713	N/A	Possible Trail Connections	By permission		Permanent -APR (Agriculture)	061-002	Fred Jackson Rd.	1.38
Solek, Walter F. & Florence F.	Private	713	N/A	Possible Trail Connections	By permission		Permanent -APR (Agriculture)	061-002	Fred Jackson Rd.	8.42
Solek, Walter F. & Florence F.	Private	713	N/A	Possible Trail Connections	By permission		Permanent -APR (Agriculture)	062-007	Hastings Rd	1.38
Solek, Walter F. & Florence F.	Private	713	N/A	Possible Trail Connections	By permission		Permanent -APR (Agriculture)	062-007	Hastings Rd	15.62
Solek, Walter F. & Florence F.	Private	720	N/A	Possible Trail Connections	By permission		Permanent -APR (Agriculture)	080-011	Fred Jackson Rd	12.27
Solek, Walter F. & Florence F.	Private	713	N/A	Possible Trail Connections	By permission		Permanent -APR (Agriculture)	116-001	141R S. Longyard Rd.	11.00
Solek, Walter F. & Florence F.	Private	713	N/A	Possible Trail Connections	By permission		Permanent -APR (Agriculture)	116-001	141R S. Longyard Rd.	32.00
Solek, Walter F. & Florence F.	Private	720	N/A	Possible Trail Connections	By permission		Permanent -APR (Agriculture)	098-077	141 S. Longyard Rd	1.38
Solek, Walter F. & Florence F.	Private	720	N/A	Possible Trail Connections	By permission		Permanent -APR (Agriculture)	098-077	141 S. Longyard Rd	13.22
Stone Funding Trust Barbara Ann	Private	711	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	117-016	241 South Longyard Rd	10.51
Stone Funding Trust Barbara Ann	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	117-016	241 South Longyard Rd	10.49
Strain, William H. & Christina M.	Private	720	N/A	Possible Trail Connections	By permission		Permanent -APR (Agriculture)	141-008	18 Vining Hill Rd	1.38
Strain, William H. & Christina M.	Private	720	N/A	Possible Trail Connections	By permission		Permanent -APR (Agriculture)	141-008	18 Vining Hill Rd	14.62
Strain, William H. & Christina M.	Private	712	N/A	Possible Trail Connections	By permission		Permanent -APR (Agriculture)	140-015-001	20 Vining Hill Rd	28.16
Strain, William H. & Christina M.	Private	713	N/A	Possible Trail Connections	By permission		Permanent -APR (Agriculture)	140-015-001	20 Vining Hill Rd	12.70
Strain, William H. & Christina M.	Private	718	N/A	Possible Trail Connections	By permission		Permanent -APR (Agriculture)	140-015-001	20 Vining Hill Rd	10.91
Sussman Farms, LLC	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	079-021	192R Granville Rd	6.88
Tancrati, Cary J. & Tina M.	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	036-005	33 Charles Johnson Rd	0.46
Tancrati, Cary J. & Tina M.	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	036-005	33 Charles Johnson Rd	38.58
Thibodeau, Freda E.	Private	718	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	168-002	1 Mort Vining Rd	1.38
Thibodeau, Freda E.	Private	718	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	168-002	1 Mort Vining Rd	3.00
Thibodeau, Freda E.	Private	718	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	168-002	1 Mort Vining Rd	1.52
Thibodeau, Freda E.	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	168-002	1 Mort Vining Rd	2.00
Thibodeau, Freda E.	Private	718	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	168-001	2 Mort Vining Rd	13.00

Ownership	Management	Current Use	Condition	Recreation Potential	Public Access	Zoning	Degree of Protection	Parcel	Parcel Address	Acres
Thibodeau, Freda E.	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	168-001	2 Mort Vining Rd	5.00
Tortoriello, John R. & Joan H.	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	010-009	426 North Loomis St	1.38
Tortoriello, John R. & Joan H.	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	010-009	426 North Loomis St	6.32
Veronesi, John M. & Kathleen M.	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	037-005	31 Charles Johnson Rd.	13.68
Whalley III John H	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	092-076	31 Foster Rd	2.58
Whalley III John H	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	092-076	31 Foster Rd	3.12
Whalley III John H	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	092-085	38 Foster Rd	4.77
Whalley III John H	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	092-085	38 Foster Rd	5.69
Whalley III John H	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	092-085	38 Foster Rd	7.62
Whalley III John H	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	093-004	38R Foster Rd	3.00
Whalley III John H	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	093-004	38R Foster Rd	5.00
Whalley III John H	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	093-004	38R Foster Rd	1.38
Whalley III John H	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	093-004	38R Foster Rd	6.62
Whalley Properties	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	040-012	700 College Hwy	38.74
Whalley Properties	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	040-012	700 College Hwy	18.42
Whalley Properties	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	040-011	70 Tannery Rd	31.09
Whalley Properties	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	040-011	70 Tannery Rd	18.42
Whalley Properties	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	051-009	688 College Hwy	1.00
Whalley Properties	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	051-009	688 College Hwy	0.20
Witchwood Realty, LLC Aziz & Deborah	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	063-006	32 Hillside Rd	17.61
Wolfe, Clifford F. & Irene M.	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	051-013	off College Highway	17.00
Wolfe, Clifford F. & Irene M.	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	065-021	Coes Hill Rd	1.38
Wolfe, Clifford F. & Irene M.	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	065-021	Coes Hill Rd	33.23
Wolfe, Clifford F. & Irene M.	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	052-011	76 Coes Hill Rd	59.08

Ownership	Management	Current Use	Condition	Recreation Potential	Public Access	Zoning	Degree of Protection	Parcel	Parcel Address	Acres
WynnS Barbara M. & T. McLaughlin	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	108-001	177 Klaus Anderson Rd	10.50
WynnS Barbara M. & T. McLaughlin	Private	713	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	108-001	177 Klaus Anderson Rd	3.38
WynnS Barbara M. & T. McLaughlin	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	108-001	177 Klaus Anderson Rd	3.12
WynnS Barbara M. & T. McLaughlin	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	109/008	Klaus Anderson Rd	1.38
WynnS Barbara M. & T. McLaughlin	Private	720	N/A	Possible Trail Connections	By permission		Temporary-Chapter 61A (Agriculture)	109/008	Klaus Anderson Rd	48.62

Ownership	Management	Current Use	Condition	Recreation Potential	Public Access	Zoning	Degree of Protection	Parcel	Parcel Address	Acres
Barnard, Mark B	Private	801	N/A	Local Trails; Connections to other protected lands	Yes, by permission		Temporary-Chapter 61B (Recreation)	054-030	68 Hillside Rd	23.00
Breedon Kenneth R	Private	800	N/A	Local Trails; Connections to other protected lands	Yes, by permission		Temporary-Chapter 61B (Recreation)	034-003	Granville Rd	49.00
Brown, Freda	Private	800	N/A	Local Trails; Connections to other protected lands	Yes, by permission		Temporary-Chapter 61B (Recreation)	103-018-001	41 John Mason Rd	57.08
Brown, Freda	Private	800	N/A	Local Trails; Connections to other protected lands	Yes, by permission		Temporary-Chapter 61B (Recreation)	103-017	51 John Mason Rd	3.09
Brown, Freda	Private	800	N/A	Local Trails; Connections to other protected lands	Yes, by permission		Temporary-Chapter 61B (Recreation)	104/004	Fred Jackson Rd	55.00
Condron, Charles R	Private	803	N/A	Local Trails; Connections to other protected lands	Yes, by permission		Temporary-Chapter 61B (Recreation)	164-006	23 College Hwy	79.90
Coviello, Marcy V	Private	801	N/A	Local Trails; Connections to other protected lands	Yes, by permission		Temporary-Chapter 61B (Recreation)	084-014	125 South Loomis St	33.08
Delmastro, James A	Private	801	N/A	Local Trails; Connections to other protected lands	Yes, by permission		Temporary-Chapter 61B (Recreation)	020-003	14 Concord	10.91
Edgewood Golf Course of Southwick Inc.	Private	805	N/A	Local Trails; Connections to other protected lands	Yes, by permission		Temporary-Chapter 61B (Recreation)	113-092	161 Sheep Pasture Rd	167.90
Jones, Gordon L	Private	801	N/A	Local Trails; Connections to other protected lands	Yes, by permission		Temporary-Chapter 61B (Recreation)	146-003	20 Congamond Rd	43.08
Lake George Sportsmans Club	Private	808	N/A	Local Trails; Connections to other protected lands	Yes, by permission		Temporary-Chapter 61B (Recreation)	003-001	Honey Pot Rd	1.70
Lake George Sportsmans Club Inc	Private	808	N/A	Local Trails; Connections to other protected lands	Yes, by permission		Temporary-Chapter 61B (Recreation)	011-004	49R Honey Pot Rd	7.40
Lake George Sportsmans Club Inc	Private	808	N/A	Local Trails; Connections to other protected lands	Yes, by permission		Temporary-Chapter 61B (Recreation)	003-002	51 Honey Pot Rd	0.18
Lake George Sportsmans Club Inc	Private	808	N/A	Local Trails; Connections to other protected lands	Yes, by permission		Temporary-Chapter 61B (Recreation)	011-003	427 N. Loomis St	3.12
Lake George Sportsmans Club Inc	Private	808	N/A	Local Trails; Connections to other protected lands	Yes, by permission		Temporary-Chapter 61B (Recreation)	011-005	429 R N. Loomis St	2.00

Ownership	Management	Current Use	Condition	Recreation Potential	Public Access	Zoning	Degree of Protection	Parcel	Parcel Address	Acres
Olde Farm Golf Club LLC	Private	805	N/A	Local Trails; Connections to other protected lands	Yes, by permission		Temporary-Chapter 61B (Recreation)	018-022	Sunnyside Rd	172.33
Shaker Farm Country Club Inc	Private	805	N/A	Local Trails; Connections to other protected lands	Yes, by permission		Temporary-Chapter 61B (Recreation)	025-001	Shaker Rd	89.00
Shaker Farm Country Club Inc	Private	805	N/A	Local Trails; Connections to other protected lands	Yes, by permission		Temporary-Chapter 61B (Recreation)	024-002	Shaker Rd	59.00
Sodom Mt Campground Inc	Private	802	N/A	Local Trails; Connections to other protected lands	Yes, by permission		Temporary-Chapter 61B (Recreation)	056-007	233 South Loomis St	245.00
Sulborski Chester III	Private	807	N/A	Local Trails; Connections to other protected lands	Yes, by permission		Temporary-Chapter 61B (Recreation)	006-007	8 Concord Rd	6.51
Turner, Holly W	Private	806	N/A	Local Trails; Connections to other protected lands	Yes, by permission		Temporary-Chapter 61B (Recreation)	080-014	51 Kline Rd	6.15
Turner, Holly W	Private	806	N/A	Local Trails; Connections to other protected lands	Yes, by permission		Temporary-Chapter 61B (Recreation)	081-001	53 Kline Rd	4.26

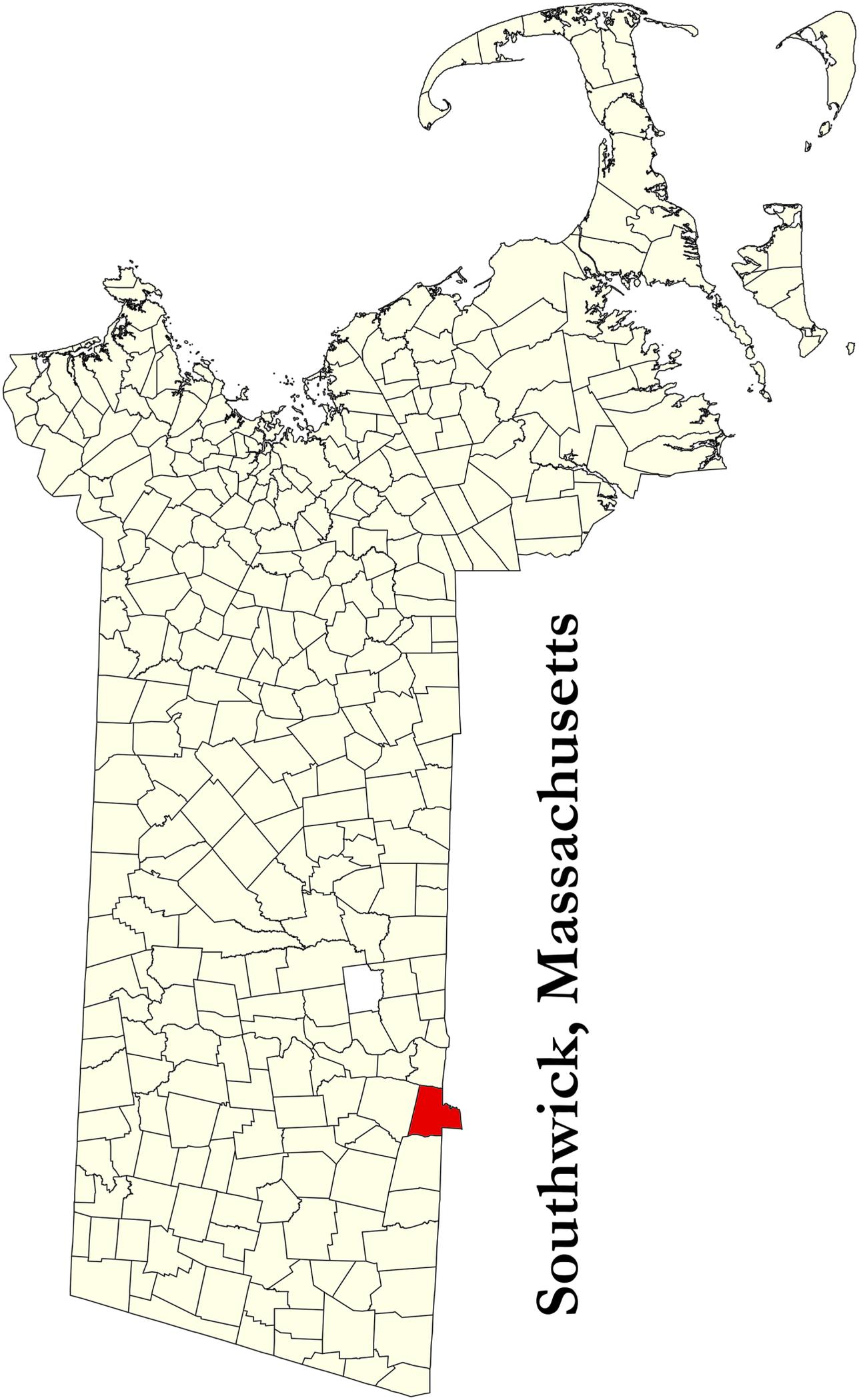
Ownership	Management	Current Use	Condition	Recreation Potential	Public Access	Funding/ Grant			Zoning	Degree of Protection	Parcel	Parcel Address	Acres
						Price	Local	State					
Arnold, R. E	Private ownership	N/A	N/A	N/A	By permission	\$245,000	CPA \$24,500	\$220,500	R20	Permanent	124-026	179 R Berkshire Ave	24.00
Bama, Brenda	Private ownership	N/A	N/A	N/A	By permission	\$250,000			AC	Permanent	117-020	241 S. Longyard Rd	25.46
Bama, Brenda	Private ownership	N/A	N/A	N/A	By permission		CPA \$ 25,000		AC	Permanent	117-020	241 S. Longyard Rd	0.62
Bama, Brenda	Private ownership	N/A	N/A	N/A	By permission			\$225,000	AC	Permanent	117-020	241 S. Longyard Rd	41.72
												Total	67.80
Bober, Jeffrey	Private ownership	N/A	N/A	N/A	By permission				R40	Permanent	133-019	249 College Highwa	18.39
Bober, Jeffrey	Private ownership	N/A	N/A	N/A	By permission				R40	Permanent	133-019	249 College Highwa	29.00
												Total	38.39
Bizoska Trustee, Emily Susan	Private ownership	N/A	N/A	N/A	By permission	\$800,000	CPA \$80,000	\$720,000	R40	Permanent	063-010	12 Hillside Rd	8.00
Bizoska Trustee, Emily Susan	Private ownership	N/A	N/A	N/A	By permission				R40	Permanent	063-010	12 Hillside Rd	95.00
Bizoska Trustee, Emily Susan	Private ownership	N/A	N/A	N/A	By permission				R40	Permanent	063-010	12 Hillside Rd	5.00
Bizoska Trustee, Emily Susan	Private ownership	N/A	N/A	N/A	By permission				R40	Permanent	063-010	12 Hillside Rd	44.00
												Total	152.00
Bizoska, Shellee J.	Private ownership	N/A	N/A	N/A	By permission	\$860,000		\$774,000	R40	Permanent	101-014	384 COLLEGE HWY	20.79
Calabrese, Thomas J.	Private ownership	N/A	N/A	N/A	By permission				AC	Permanent	117-023	223 S. Longyard Rd	69.08
Coward, John D.	Private ownership	N/A	N/A	N/A	By permission	\$ 240,000	CPA \$ 24,000	\$216,000	R40	Permanent	144-004	Mort Vining Rd	10.21
Coward, John D.	Private ownership	N/A	N/A	N/A	By permission				R40	Permanent	144-004	Mort Vining Rd	23.79
												Total	34.00
Flynn, Diana Marie	Private ownership	N/A	N/A	N/A	By permission	\$		\$	R40	Permanent	165-007	49 Mort Vining Rd	31.00
Flynn, Diana Marie	Private ownership	N/A	N/A	N/A	By permission				R40	Permanent	165-007	49 Mort Vining Rd	5.00
Flynn, Diana Marie	Private ownership	N/A	N/A	N/A	By permission				R40	Permanent	165-007	49 Mort Vining Rd	26.08
												Total	62.08
Fox, Russell Stone	Private ownership	N/A	N/A	N/A	By permission	\$570,000	CPA \$114,000	\$456,000	R40	Permanent	127-019	63 Davis Rd	22.38
Fox, Russell Stone	Private ownership	N/A	N/A	N/A	By permission				R40	Permanent	127-019	63 Davis Rd	33.15
												Total	55.53
Garden Farm Properties Nascimbeni	Private ownership	N/A	N/A	N/A	By permission	\$1,125,000			IR	Permanent	152-001	120 College Hwy	11.67
Garden Farm Properties Nascimbeni	Private ownership	N/A	N/A	N/A	By permission				IR	Permanent	152-001	120 College Hwy	4.72
Garden Farm Properties Nascimbeni	Private ownership	N/A	N/A	N/A	By permission				IR	Permanent	152-001	120 College Hwy	4.68
Garden Farm Properties Nascimbeni	Private ownership	N/A	N/A	N/A	By permission			\$840,000	IR	Permanent	152-001	120 College Hwy	19.83
Garden Farm Properties Nascimbeni	Private ownership	N/A	N/A	N/A	By permission				IR	Permanent	152-001	120 College Hwy	4.68
Garden Farm Properties Nascimbeni	Private ownership	N/A	N/A	N/A	By permission				IR	Permanent	157-001	74R College Hwy	37.72
									IR	Permanent	157-001	74R College Hwy	83.3
												Total	83.3

Ownership	Management	Current Use	Condition	Recreation Potential	Public Access	Funding/ Grant			Zoning	Degree of Protection	Parcel	Parcel Address	Acres
						Price	Local	State					
Griffin, Jonathan H.	Private ownership	N/A	N/A	N/A	By permission	\$65,000	CPA \$6,500	\$58,500	R20	Permanent	147-026	12 Sheep Pasture Rd	7.25
Jaydub, LLC	Private ownership	N/A	N/A	N/A	By permission	\$497,500	CPA \$99,500	\$398,000	R40	Permanent	078-012	137 Granville Rd	61.56
Jaydub, LLC	Private ownership	N/A	N/A	N/A	By permission				R40	Permanent	096-005	2 Foster Rd.	10.00
Jaydub, LLC	Private ownership	N/A	N/A	N/A	By permission				R40	Permanent	096-005	2 Foster Rd.	27.08
											Total		37.08
Kosinski, Michael G.	Private ownership	N/A	N/A	N/A	By permission				AC	Permanent	024-001	Shaker Rd.	7.10
Laro West, LLC	Private ownership	N/A	N/A	N/A	By permission	\$730,000			AC	Permanent	023-001	15 Laro Rd	21.99
Laro West, LLC							CPA \$70,000						
Longyard Laro, LLC	Private ownership	N/A	N/A	N/A	By permission			\$657,000	R20	Permanent	023-009-001	North Longyard Rd	12.17
											Total		24.68
Markowski Jr., Edward	Private ownership	N/A	N/A	N/A	By permission				AC	Permanent	117-019	245 S. Longyard Rd.	31.00
Markowski Jr., Edward	Private ownership	N/A	N/A	N/A	By permission				AC	Permanent	117-019	245 S. Longyard Rd.	20.69
Markowski Jr., Edward	Private ownership	N/A	N/A	N/A	By permission				AC	Permanent	117-019	245 S. Longyard Rd.	12.01
											Total		63.7
Solek, Walter F. & Florence F		N/A	N/A	N/A	By permission	\$1,293,000			AC	Permanent	061-021	232 Granville Rd	3.00
Solek, Walter F. & Florence F		N/A	N/A	N/A	By permission				AC	Permanent	061-021	232 Granville Rd	7.00
Solek, Walter F. & Florence F		N/A	N/A	N/A	By permission				AC	Permanent	061-021	232 Granville Rd	1.45
Solek, Walter F. & Florence F		N/A	N/A	N/A	By permission				AC	Permanent	061-021	232 Granville Rd	23.38
Solek, Walter F. & Florence F		N/A	N/A	N/A	By permission			\$1,192,500	R40	Permanent	061-002	Fred Jackson Rd.	1.38
Solek, Walter F. & Florence F		N/A	N/A	N/A	By permission				R40	Permanent	061-002	Fred Jackson Rd.	8.42
Solek, Walter F. & Florence F		N/A	N/A	N/A	By permission				R40	Permanent	062-007	Hastings Rd	1.38
Solek, Walter F. & Florence F		N/A	N/A	N/A	By permission				R40	Permanent	062-007	Hastings Rd	15.62
Solek, Walter F. & Florence F		N/A	N/A	N/A	By permission				R40	Permanent	080-011	Fred Jackson Rd	12.27
Solek, Walter F. & Florence F		N/A	N/A	N/A	By permission				AC	Permanent	116-001	141R S. Longyard Rd.	11.00
Solek, Walter F. & Florence F		N/A	N/A	N/A	By permission				AC	Permanent	116-001	141R S. Longyard Rd.	32.00
Solek, Walter F. & Florence F		N/A	N/A	N/A	By permission				AC	Permanent	098-077	141R S. Longyard Rd.	1.38
Solek, Walter F. & Florence F		N/A	N/A	N/A	By permission				AC	Permanent	098-077	141R S. Longyard Rd.	13.22
											Total		121.70
Strain, William H. & Christina M		N/A	N/A	N/A	By permission					Permanent	141-008	18 Vining Hill Rd	1.38
Strain, William H. & Christina M		N/A	N/A	N/A	By permission					Permanent	141-008	18 Vining Hill Rd	14.62
Strain, William H. & Christina M		N/A	N/A	N/A	By permission					Permanent	140-015-001	20 Vining Hill Rd	28.16
Strain, William H. & Christina M		N/A	N/A	N/A	By permission					Permanent	140-015-001	20 Vining Hill Rd	12.70
Strain, William H. & Christina M		N/A	N/A	N/A	By permission					Permanent	140-015-001	20 Vining Hill Rd	10.91
											Total		67.77

Ownership	Management	Current Use	Condition	Recreation Potential	Public Access	Zoning	Degree of Protection	Parcel	Parcel Address	Acres
Amber Leaf CR#6	Homeowners Association	Open Space/ Passive Recreation	N/A	Local Trails; Connections to other protected parcels	Yes	R40	Permanent Article 97	015-022	390 North Loomis St.	9.83
Ferrin Heights CR#5	Homeowners Association	Open Space/ Passive Recreation	N/A	Local Trails; Connections to other protected parcels	Yes	R40	Permanent Article 97	152-033	114 Mort Vining Rd.	38.62
Jered Estates	Homeowners Association	Open Space/ Passive Recreation	N/A	Local Trails; Connections to other protected parcels	Yes	R40	Permanent Article 97	133-003	Jered Estates	21.43
Laurel Ridge	Homeowners Association	Open Space/ Passive Recreation	N/A	Local Trails; Connections to other protected parcels	Yes	R40	Permanent Article 97	016-011	151 Hillside / Will Palmer Road	105.06
Lexington Circle	Homeowners Association	Open Space/ Passive Recreation	N/A	Local Trails; Connections to other protected parcels	Yes	R20	Permanent Article 97	073-047	Lexington Circle Off	4.61
Liberty Meadows	Private	Open Space/ Passive Recreation	N/A	Local Trails; Connections to other protected parcels	Yes	R20	Partial--based on zoning	092-077	Liberty Lane Off	2.17
Noble Steed	LAAN Development	Open Space/ Passive Recreation	N/A	Local Trails; Connections to other protected parcels	Yes	RN40	Permanent Article 97	140-14	71 Vining Hill Rd.	57.24
North Pond Views	Homeowners Association	Open Space/ Passive Recreation	N/A	Local Trails; Connections to other protected parcels	Yes	RN20	Partial--based on zoning	099-050	7 North Pond Rd.	.62
Pauline Circle	Conservation Commission	Open Space/ Passive Recreation	N/A	Local Trails; Connections to other protected parcels	Yes	RN20	Partial--based on zoning	135-047	Pauline Circle Off	2.4
Patriot's Wood	Homeowners Association	Open Space/ Passive Recreation	N/A	Local Trails; Connections to other protected parcels	Yes	R20	Partial--based on zoning	073-047	Lexington Circle Off	4.61
Pearl Brook CR#1	Private	Open Space/ Passive Recreation	N/A	Local Trails; Connections to other protected parcels	Yes	R40	Partial--based on zoning	141-035	83 Vining Hill Rd	30.00
Sterrett	Conservation Commission	Open Space/ Passive Recreation	N/A	Local Trails; Connections to other protected parcels	Yes	R40	Partial--based on zoning	053-004	Coes Hill Road	11.20
The Greens (East)	Homeowners Association	Open Space/ Passive Recreation	N/A	Local Trails; Connections to other protected parcels	Yes	R40	Permanent Article 97	027-001	739 College HWY	32.07
The Ranch CR#2	Homeowners Association	Open Space/ Passive Recreation	N/A	Local Trails; Connections to other protected parcels	Yes	R40	Permanent Article 97	018-022	65 Sunnyside	64.65
Whispering Pines CR#4	Private	Open Space/ Passive Recreation	N/A	Local Trails; Connections to other protected parcels	Yes	R20	Permanent Article 97	091-012	South Longyard Road Off	10.08
Woodland Ridge	Conservation Commission	Open Space/ Passive Recreation	N/A	Local Trails; Connections to other protected parcels	Yes	R20	Partial--based on zoning	099-001	14 South Longyard Rd.	6.86
Woodland Ridge	Conservation Commission	Open Space/ Passive Recreation	N/A	Local Trails; Connections to other protected parcels	Yes	R20	Partial--based on zoning	090-023	?	24.88
		Open Space/ Passive Recreation	N/A	Local Trails; Connections to other protected parcels	Yes		Partial--based on zoning			
		Open Space/ Passive Recreation	N/A	Local Trails; Connections to other protected parcels	Yes		Partial--based on zoning			
		Open Space/ Passive Recreation	N/A	Local Trails; Connections to other protected parcels	Yes		Partial--based on zoning			
		Open Space/ Passive Recreation	N/A	Local Trails; Connections to other protected parcels	Yes		Partial--based on zoning			

Ownership	Management	Current Use	Condition	Recreation Potential	Public Access	Zoning	Degree of Protection	Parcel	Parcel Address	Acres
COMMONWEALTH OF MASS FWD	FWD	Habitat Protection/ Passive Recreation	Excellent	Local and Regional Trails	Yes, Parking Area Honeypot Rd.	R40	Permanent	003-013	81 R HONEY POT RD	16.14
COMMONWEALTH OF MASS FWD	FWD	Habitat Protection/ Passive Recreation	Excellent	Local and Regional Trails	Yes, Parking Area Honeypot Rd.	R40	Permanent	004-001	456 NORTH LOOMIS ST	62.37
COMMONWEALTH OF MASS FWD	FWD	Habitat Protection/ Passive Recreation	Excellent	Local and Regional Trails	No	R40	Permanent	004-004	NORTH LOOMIS ST	8.0
COMMONWEALTH OF MASS FWD	FWD	Habitat Protection/ Passive Recreation	Excellent	Local and Regional Trails	Yes, Parking Area	AC	Permanent	098-083	95 SOUTH LONGYARD RD	83.04
COMMONWEALTH OF MASS FWD	FWD	Habitat Protection/ Passive Recreation	Excellent	Local and Regional Trails	Yes, Parking Area	AC	Permanent	098-082	123 SOUTH LONGYARD RD	250.00
COMMONWEALTH OF MASS FWD	FWD	Habitat Protection/ Passive Recreation	Excellent	Local and Regional Trails	Yes, Parking Area	AC	Permanent	121-001	SOUTH LONGYARD RD	4.39
COMMONWEALTH OF MASS FWD	FWD	Habitat Protection/ Passive Recreation	Excellent	Local and Regional Trails	Yes, Parking Area	AC	Permanent	121-002	SOUTH LONGYARD RD	5.24
COMMONWEALTH OF MASS FWD	FWD	Habitat Protection/ Passive Recreation	Excellent	Local and Regional Trails	Yes, Parking Area	AC	Permanent	221-003	SOUTH LONGYARD RD	9.01

CITY OF WEST SPRINGFIELD	W.S. WATER DEPT	W.S. WELLS	Unknown			AC	Permanent	023-002	LARO RD	44.0
CITY OF WEST SPRINGFIELD	W.S. WATER DEPT	W.S. WELLS	Unknown			AC	Permanent	024-003	SHAKER RD	21.0
CITY OF WEST SPRINGFIELD	W.S. WATER DEPT	W.S. WELLS	Unknown			AC	Permanent	024-005	Laro Road off	64.0
CITY OF WEST SPRINGFIELD	W.S. WATER DEPT	W.S. WELLS	Unknown			AC	Permanent	048-005	North Long Yard Rd off	80.0
CITY OF WEST SPRINGFIELD	W.S. WATER DEPT	W.S. WELLS	Unknown			AC	Permanent	043-001	North Longyard Rd.	39.87



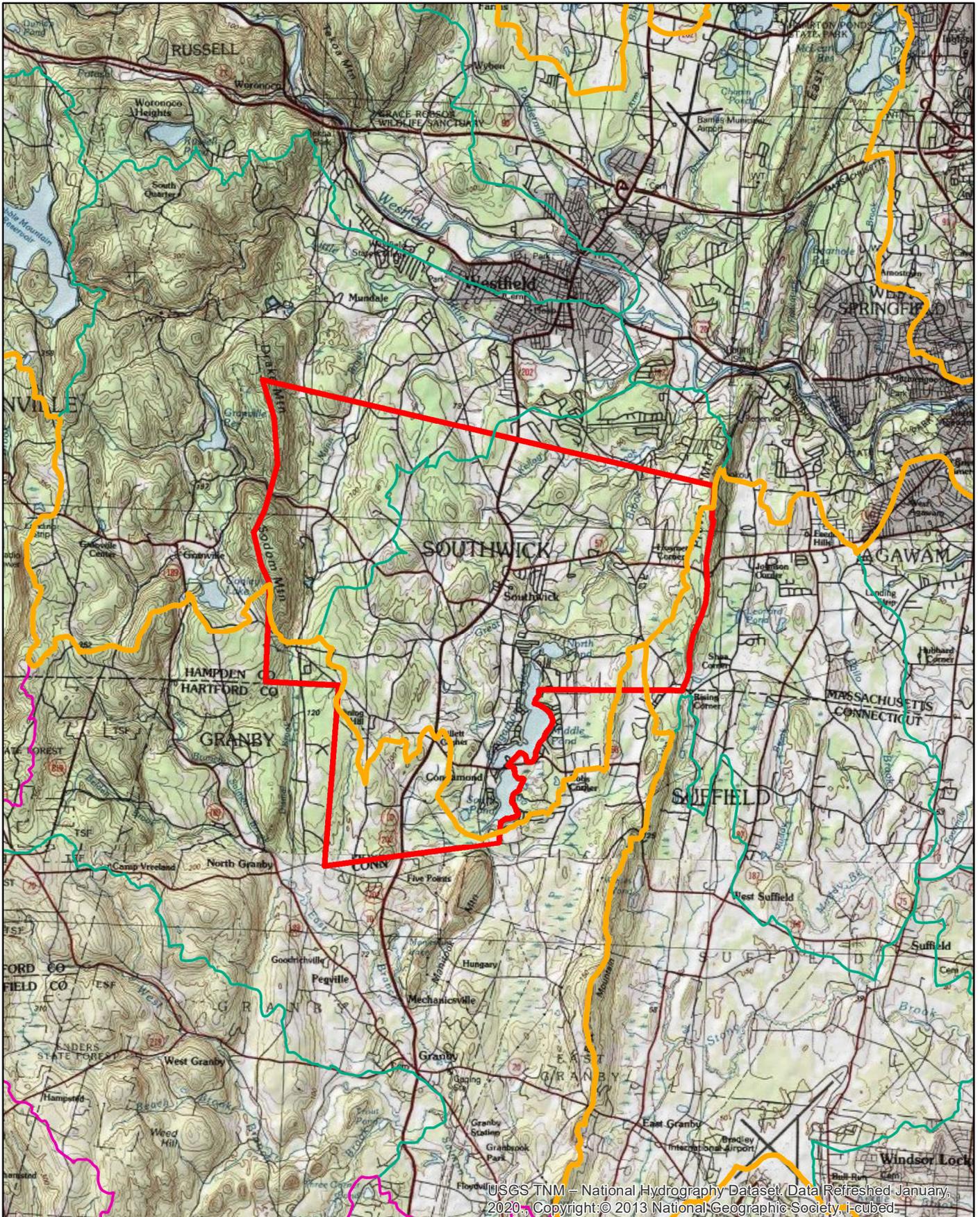
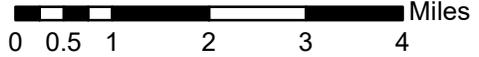
Southwick, Massachusetts

Watershed
Boundaries



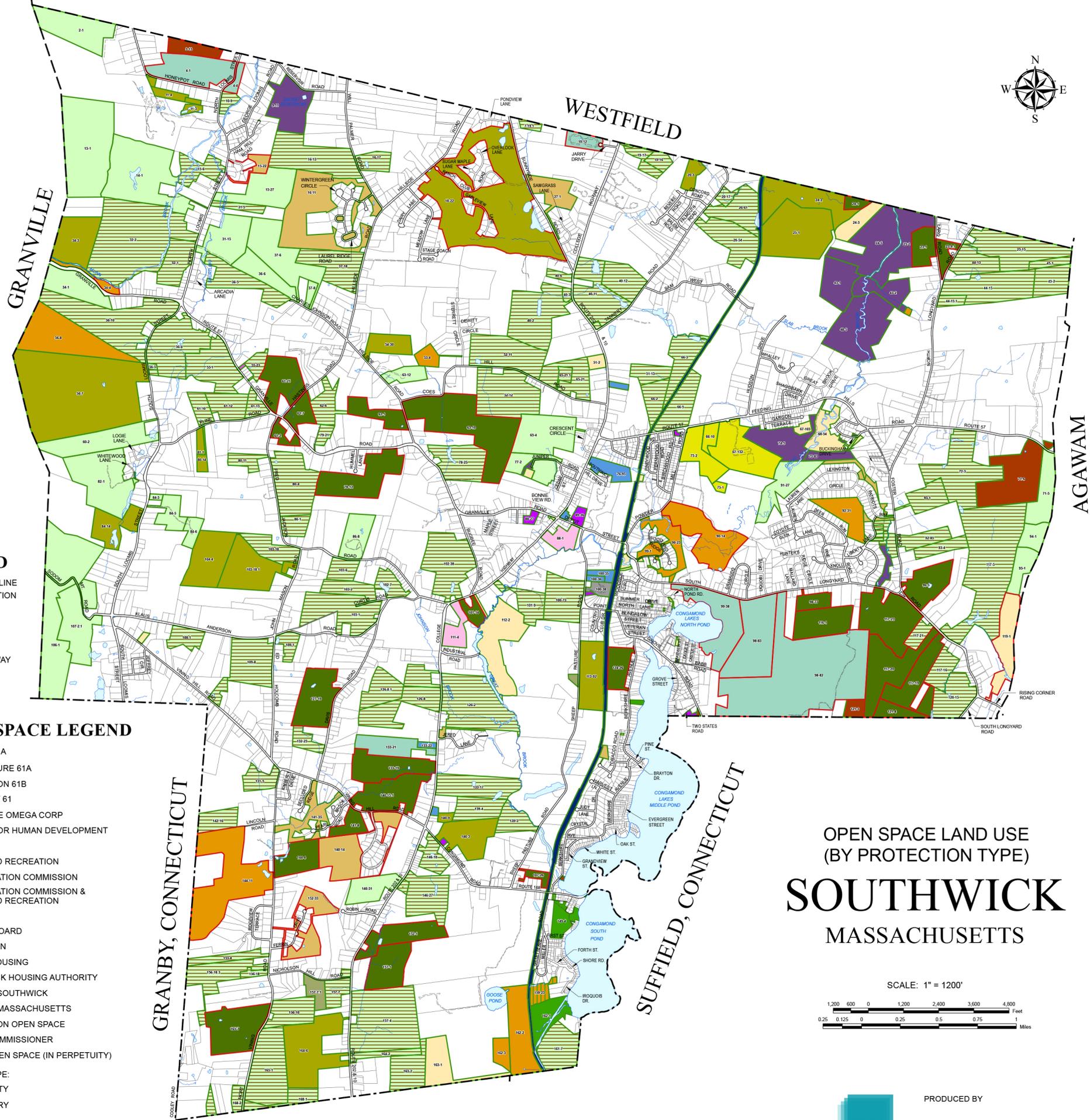
Town of Southwick
Regional Context

Data provided by
MassGIS & USGS



USGS TNM - National Hydrography Dataset Data Refreshed January, 2020. Copyright © 2013 National Geographic Society. i-cubed

Southwick Open Space & Recreation Plan Update 2019



LEGEND

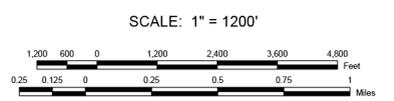
- PROPERTY LINE
- - - IN CONTENTION
- WATER
- - - STATE LINE
- - - TOWN LINE
- ROAD
- - - RIGHT OF WAY

OPEN SPACE LEGEND

- APR / CH61A
- AGRICULTURE 61A
- RECREATION 61B
- FORESTRY 61
- BERKSHIRE OMEGA CORP
- CENTER FOR HUMAN DEVELOPMENT
- CHURCH
- PARKS AND RECREATION
- CONSERVATION COMMISSION
- CONSERVATION COMMISSION & PARKS AND RECREATION
- RAIL TRAIL
- SCHOOL BOARD
- SELECTMEN
- SENIOR HOUSING
- SOUTHWICK HOUSING AUTHORITY
- TOWN OF SOUTHWICK
- STATE OF MASSACHUSETTS
- SUBDIVISION OPEN SPACE
- WATER COMMISSIONER
- OTHER OPEN SPACE (IN PERPETUITY)

- PROTECTION TYPE:
- PERPETUITY
 - TEMPORARY

OPEN SPACE LAND USE
(BY PROTECTION TYPE)
SOUTHWICK
MASSACHUSETTS



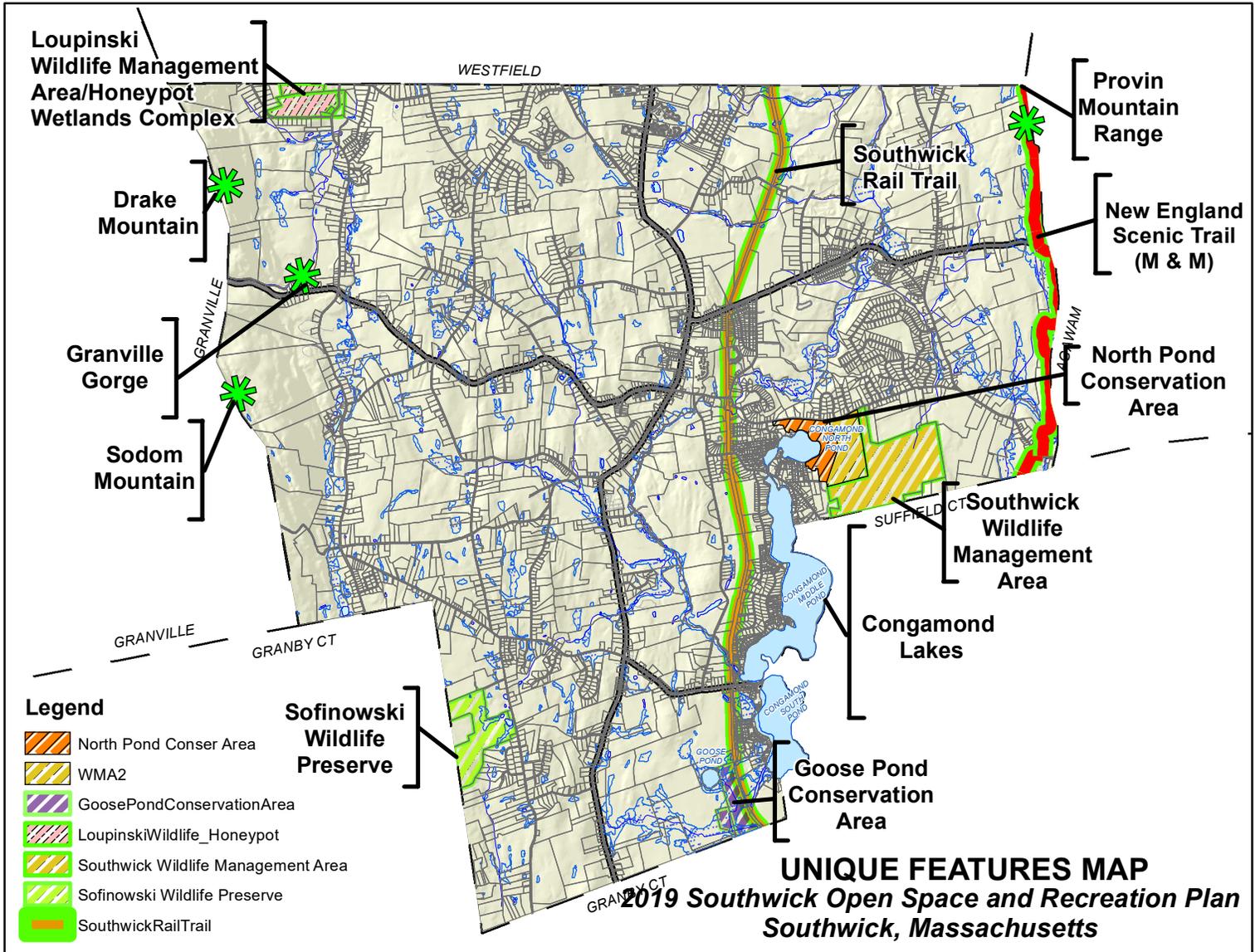
NOTES

THIS MAP IS BASED ON THE TOWN OF SOUTHWICK, MASSACHUSETTS PROPERTY MAPS PREPARED IN 2007 BY CAI TECHNOLOGIES. IT IS INTENDED FOR REFERENCE AND PLANNING PURPOSES ONLY.
PROPERTY LINES CURRENT TO JANUARY 1, 2019



PRODUCED BY

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Loupinski Wildlife Management Area/HoneyPot Wetlands Complex

WESTFIELD

Provin Mountain Range

Southwick Rail Trail

New England Scenic Trail (M & M)

Drake Mountain

North Pond Conservation Area

Granville Gorge

Sodom Mountain

Southwick Wildlife Management Area

GRANVILLE

GRANBY CT

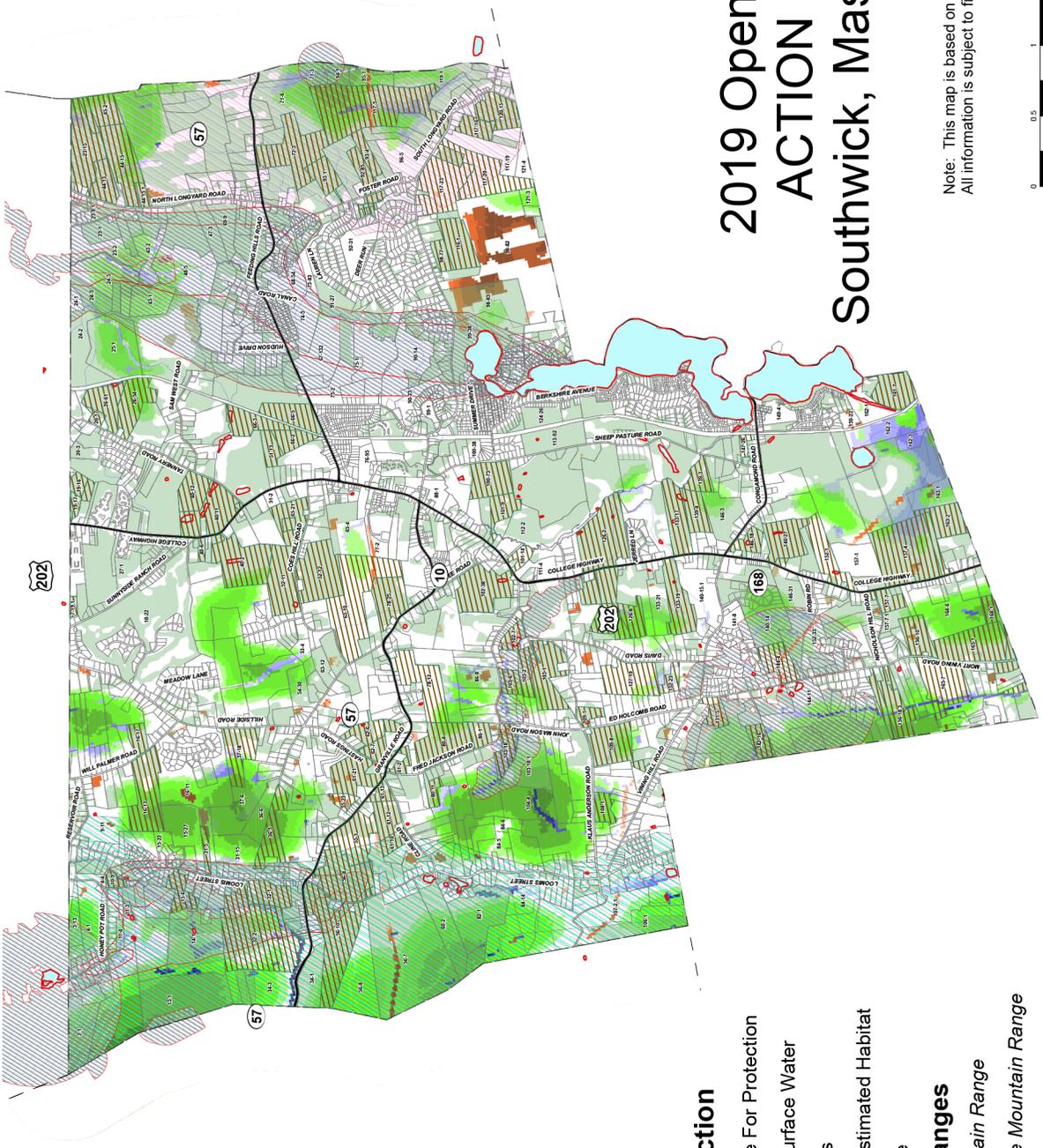
Congamond Lakes

Sofinowski Wildlife Preserve

Goose Pond Conservation Area

GRANBY CT

UNIQUE FEATURES MAP
2019 Southwick Open Space and Recreation Plan
Southwick, Massachusetts



Priority Protection

-  Land Available For Protection
-  #1 Ground&Surface Water
-  #1&2 Aquifers
-  #2 Priority&Estimated Habitat
-  #3 Agriculture

#4 Mountain Ranges

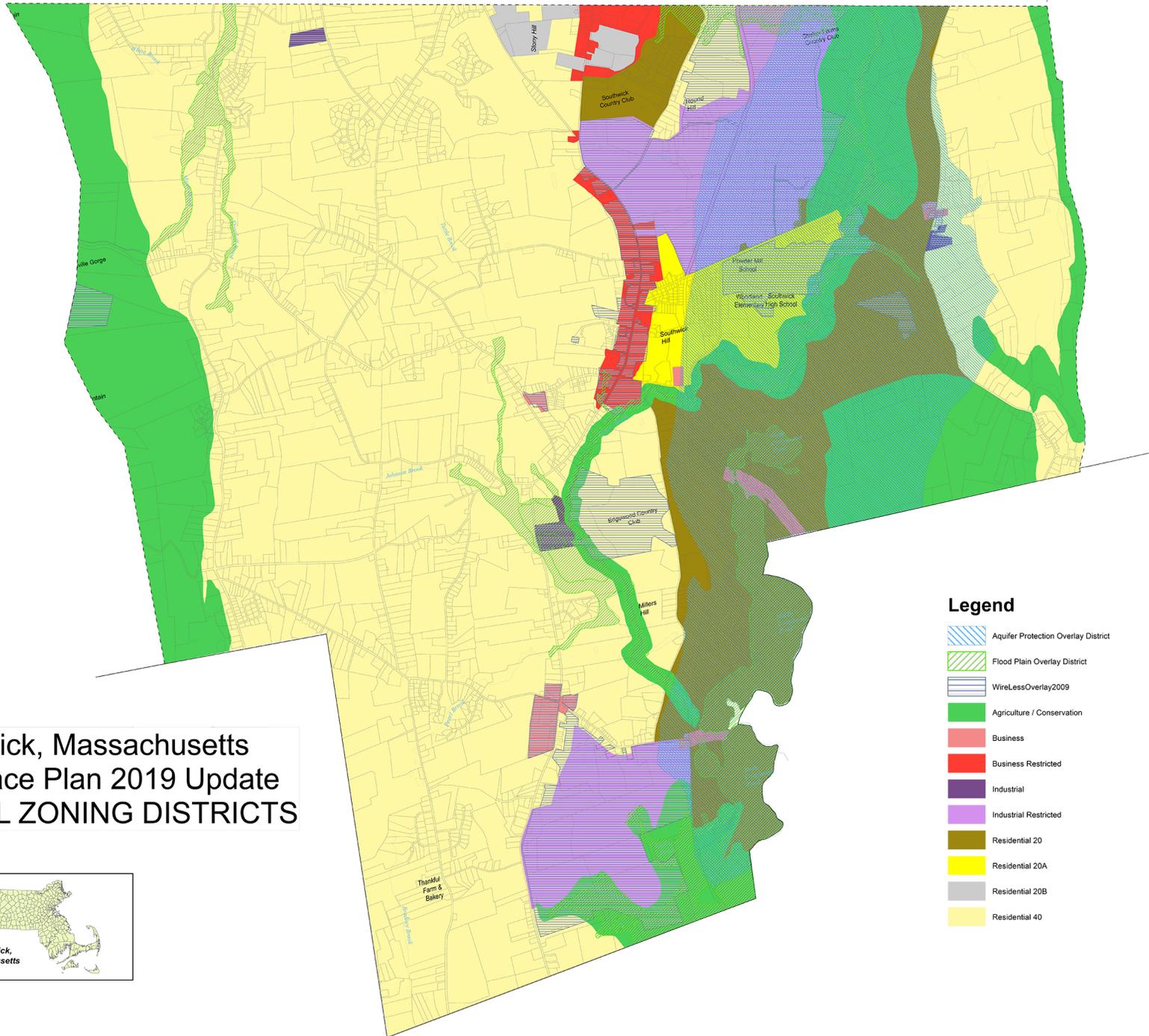
-  Provin Mountain Range
-  Sodom-Drake Mountain Range



2019 Open Space ACTION PLAN Southwick, Massachusetts

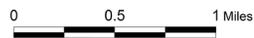
Note: This map is based on the best available data.
All information is subject to field verification.

Southwick, Massachusetts Open Space Plan 2019 Update MUNICIPAL ZONING DISTRICTS

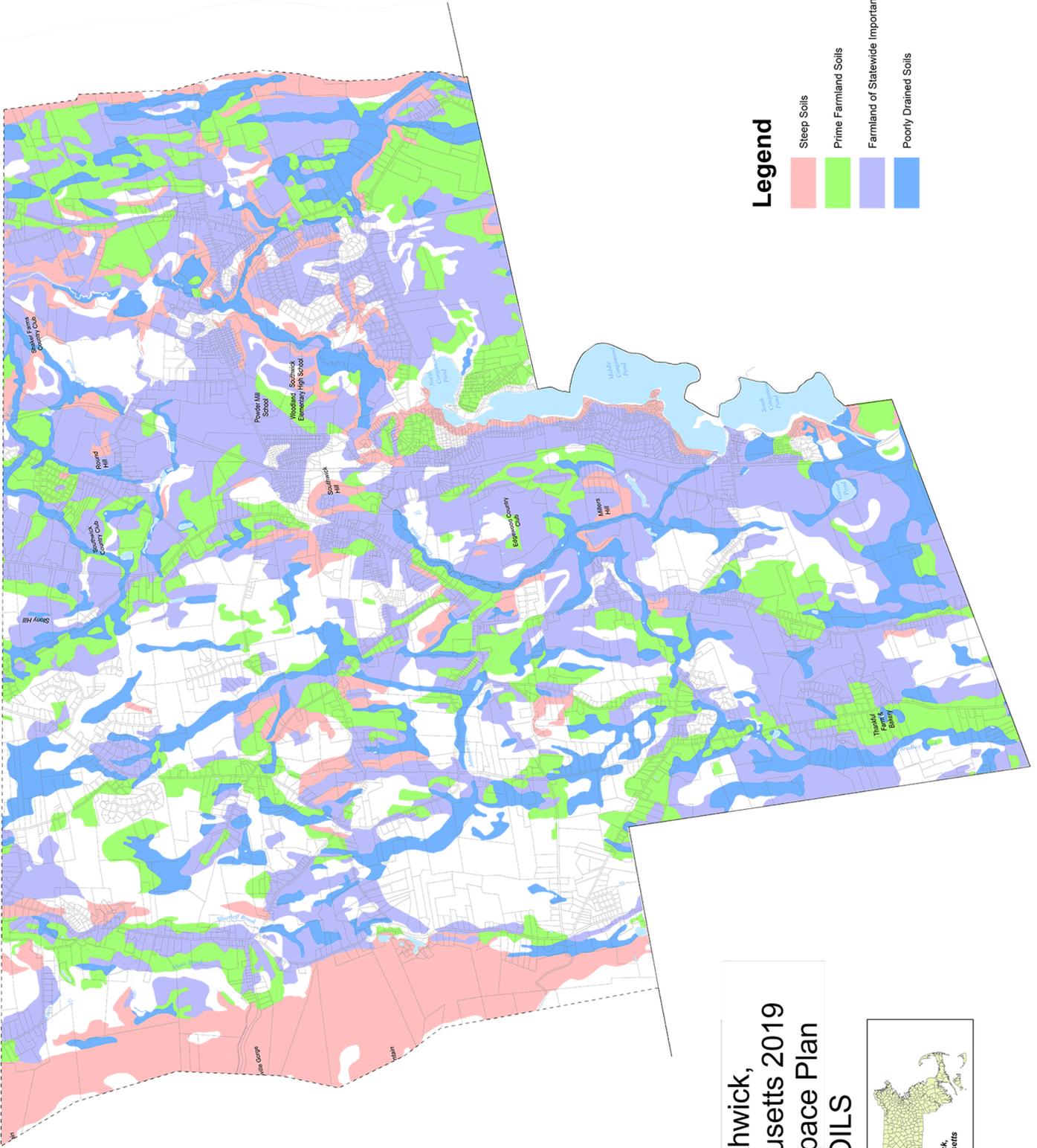


Legend

-  Aquifer Protection Overlay District
-  Flood Plain Overlay District
-  WireLessOverlay2009
-  Agriculture / Conservation
-  Business
-  Business Restricted
-  Industrial
-  Industrial Restricted
-  Residential 20
-  Residential 20A
-  Residential 20B
-  Residential 40

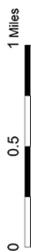


Southwick, Massachusetts 2019 Open Space Plan SOILS

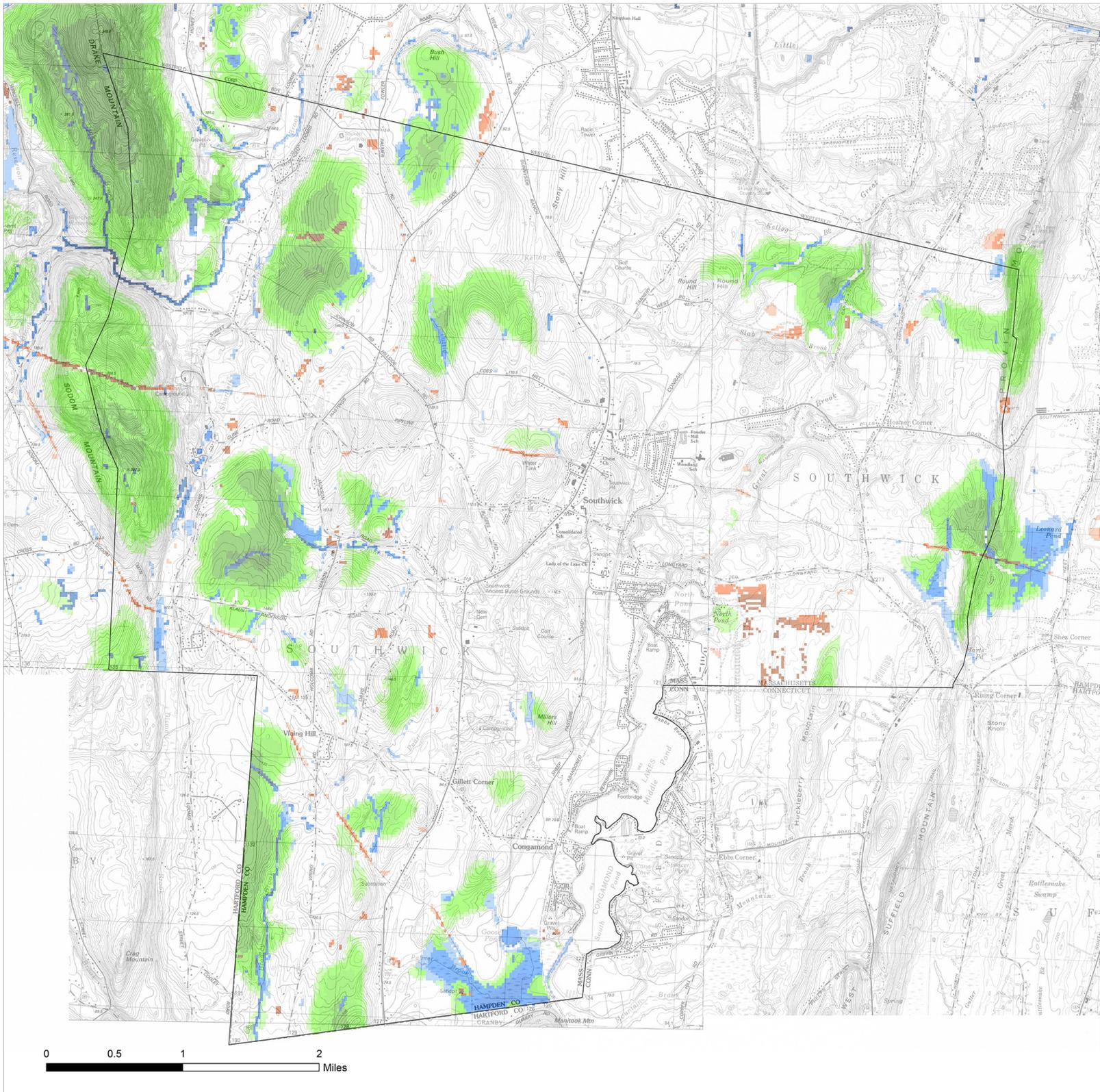


Legend

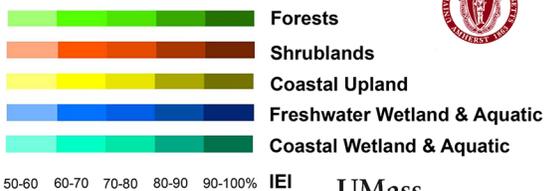
- Steep Soils
- Prime Farmland Soils
- Farmland of Statewide Importance
- Poorly Drained Soils



CAPS Index of Ecological Integrity (IEI) Town of SOUTHWICK, MA



IEI, Index of Ecological Integrity Top 50% of the Landscape



**UMass
Extension**
CENTER FOR AGRICULTURE

The IEI, or Index of Ecological Integrity, delineates the relative wildlife habitat and biodiversity value of any point on the landscape based on landscape ecology principles and expert opinion. The IEI is calculated by the Conservation Assessment and Prioritization System (CAPS) computer program developed at the University of Massachusetts, Amherst. Depicted on this map are those areas representing 50% of the landscape with the highest IEI values; the darker the color the higher the integrity value. For more information see: <http://www.masscaps.org>.

Coastal beaches and rocky intertidal shores are included as Coastal Wetland and Aquatic.

These maps were funded by grants from The Nature Conservancy and the Federal Highway Administration via a grant administered by the Massachusetts Department of Transportation, the Massachusetts Department of Environmental Protection and the U.S. Environmental Protection Agency under section 104 (b) (3) of the U.S. Clean Water Act. Data sources include the Office of Geographic and Environmental Information (MassGIS).

Prepared in cooperation with the Massachusetts Department of Transportation Office of Transportation Planning, and the United States Department of Transportation, Federal Highway Administration. The contents of this report reflect the views of the author(s), who is (are) responsible for the facts and the accuracy of the data presented herein. The contents do not necessarily reflect the official view or policies of the Massachusetts Department of Transportation or the Federal Highway Administration. This report does not constitute a standard, specification, or regulation.

Updated November 2011

