



*Town of Millville*  
**OPEN SPACE AND  
RECREATION PLAN**  
**2018**

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# **Town of Millville**

## **Open Space and Recreation Plan**

### **2018**

Prepared for: Town of Millville  
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Millville, MA 01529

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# Acknowledgements

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## SECTION 1: PLAN SUMMARY

This Open Space and Recreation Plan, completed in 2018, was developed with public input to continue coordination efforts of town departments, private organizations, landowners, and citizens on the management and acquisition of passive and active recreation lands and facilities as well as the protection of sensitive habitats and natural resources. This document is Millville's first Open Space and Recreation Plan (OSRP). Despite this being its first OSRP, the Town has engaged in various conservation planning efforts to date and taken many steps to expand, improve, and enhance its open space and recreation resources. Some of the major accomplishments over the last 10-15 years include adoption of a Stormwater Management Bylaw in 2006 and adoption of an Open Space Residential Development (OSRD) Bylaw in 2009. In 2016, the town received an anonymous donation of playground equipment and began constructing a new playground at the town recreational field adjacent to the Millville Elementary School in 2017. Additionally, the town sought application of a FY18 Parkland Acquisitions and Renovations for Communities (PARC) Grant from the Division of Conservation Services (DCS). The purpose of this plan is to continue this progress and momentum by outlining a series of actions that will continue to protect valuable open space resources and enhance recreational facilities and opportunities in the community.

The theme of the 2018 Millville Open Space and Recreation Plan is **preservation, recreation and connectivity**. The Town will continue to work with its community members and State organizations to acquire and **preserve** important natural and cultural resources. Additional **recreational** facilities are needed to support the needs of the growing local population, and new facilities as well as the rehabilitation of existing facilities is proposed. A desire for better **connectivity** between existing and proposed open space resources will start to establish a greenway system in Town with linkages to neighboring communities.

Millville continues to be a desirable place to live and is facing the demand and pressures associated with residential development. Between 2000 and 2010, Millville's population grew by 466 residents (17%) from 2,724 residents to 3,190 residents. Today, there are an estimated 3,218 residents. The Central Massachusetts Regional Planning Commission (CMRPC) projects a total of 3,522 residents by 2040, or a 10% increase from its current population. In addition to residential development, Millville has experienced commercial and industrial growth and efforts are underway to attract additional businesses into the community to create jobs and expand the tax base. As a result Millville's landscape continues to evolve from a community once known for sawmills and gristmills, and small clusters of rubber manufacturing businesses, to a more suburban community. Despite facing growth pressures, Millville has fought hard to preserve its rural nature and historic past, while maintaining the overall character of the community.

The Town wishes to continue efforts to preserve and maintain critical areas of the town for open space, recreation and habitat protection. In August 2017, the Millville Board of Selectmen appointed an Open Space and Recreation Planning Committee to develop the Town's first Open Space and Recreation Plan with technical assistance from CMRPC. Once this plan is completed and submitted to the State, the Committee will work to maintain the momentum created through the actions of this plan and the recently completed 2017 Master Plan. The committee will actively work to set policies to identify, develop and maintain critical open space in Millville. This OSRP first reviews demographic and development trends confronting the Town of Millville and then assesses existing environmental features and characteristics. This assessment, coupled with public input received at public meetings and through

the community survey, has informed the identification of open space, conservation and recreational needs in the Town of Millville. Millville residents identified the long-term protection of surface and groundwater resources, as well as assembling and protecting large blocks of unprotected open space in areas around the Millville Town Forest and Blackstone River Corridor as critical issues throughout this planning process. Residents also desired increased awareness of existing resources and additional linkages between trails and conservation areas to create a wider, more connected open space network. Limited funding and availability of staff and volunteers are the top two needs relative to open space and recreation management in Millville. These needs informed the creation of eight open space and recreation goals that provided the framework for the Town's Seven-Year Action Plan, which is presented in [Section 9](#). The open space and recreation goals included in this plan set out to:

1. Establish a permanently standing Open Space and Recreation Committee to steer implementation activities and review goals progress
2. Increase educational awareness among residents of the range of the Town's open space and recreational assets as well as related opportunities
3. Maximize use of available funding through grants, state matching funds, or other programs for land purchase, resource preservation and protection, and repair or maintenance of existing facilities
4. Promote the development and maintenance of trails and trail linkages, including a connected pedestrian network for active mobility
5. Increase access to waterfront resources through enhancement, protection, and promotion of Millville's water resources (i.e. wetlands, river, ponds, and aquifers)
6. Provide and maintain active and passive recreation opportunities to meet the diverse needs of Millville's population
7. Identify priority open space parcels for permanent protection and/or future acquisition in order to establish a wider, more connected open space network
8. Protect critical parcels of land for conservation and passive recreation

## DEFINITIONS

The term "*open space*" in this document refers to either public or privately owned land that is undeveloped. It is land in a predominantly natural state or altered for natural resource-based uses (i.e., farming, orchards, forestry, hunting and fishing, walking-type parks and trails). This land may include, but is not limited to, agricultural lands, fields, wooded areas, forests, wetlands and water bodies. Examples of publicly-owned open space in Town include the Blackstone River and Canal Heritage State Park, Udor Tower Park, the Millville Town Forest, and the Southern New England Trunkline Trail (SNETT). Examples of privately-owned open space include farms, forest lands, and passive recreation areas.

The term "*recreational open space*" or "*recreation*" refers to land used for active recreational purposes. An example in Millville includes the athletic fields located at Millville Elementary School. Land used for active recreation does not qualify technically as open space because these parcels often have portions covered with paved surfaces such as that for tennis courts, basketball courts and parking lots. In addition, athletic fields require regular fertilizer applications and are usually installed with fencing and outbuildings. Since this plan deals with both open space and recreation, we have presented an approach to obtain the benefits of developing new and maintaining existing recreational facilities, without losing scarce valued environmental assets. In addition, grants and partnerships between federal state and local agencies are often based on recommendations the applicant community makes in its OSRP. Hence, we recognize and embrace opportunities for healthy outdoor activities, be it hiking along forest trails or a competitive soccer or football field.

## SECTION 2: INTRODUCTION

### 2A. STATEMENT OF PURPOSE

The Town of Millville developed this plan to coordinate efforts between town departments, private organizations, landowners, and citizens as these efforts relate to acquisition, protection and management of open space and recreation resources particularly in light of continued residential and commercial development pressures. In order to secure and protect valuable parcels of open space, it is essential to bring forth today's issues and concerns regarding development, land exchanges, and open space and recreation needs. The Millville 2018 Open Space and Recreation Plan builds on past and recent planning initiatives to provide a framework for priority needs and actions. This document serves as the town's first formal OSRP document and approved plan is necessary to qualify for State program funding for acquisition and protection of open space and recreational facilities.

### 2B. PLANNING PROCESS AND PUBLIC PARTICIPATION

#### *Planning Process*

The Town of Millville funded the development of the 2018 Open Space and Recreation Plan. In the spring of 2017, the Town of Millville contracted CMRPC to assist with comprehensive development of the Town's first Open Space and Recreation Plan (OSRP). The Town Administrator and Town Planner both provided staff support and overall project management. The Town of Millville organized an Open Space and Recreation Plan Committee (OSRP Committee), co-organized the community forum, promoted the forum and survey, and conducted the ADA survey. The Committee was specifically charged with planning the forum, reviewing and commenting on drafts of the OSRP and survey, and promoting the forum and survey. CMRPC was tasked with: data collection and research related to the development of the Plan, facilitating OSRP committee meetings, creating the two community surveys, organizing and facilitating the public forum, analyzing local input and survey results, and overall plan development.

Town residents supported the development of the recently completed 2017 Master Plan, which addressed open space and recreational needs in town. The town worked with CMRPC during this master plan process and naturally, the development of this OSRP builds on the information gathered for the Open Space and Recreation Chapter and Natural Resources Chapter of the Master Plan. The planning project kicked-off with a review of the 2017 Master Plan and other previous planning efforts including the 2015 Millville Town Center Opportunities and Constraints Study, 2012 Blackstone Valley Prioritization Plan, 2007 Millville Reconnaissance Report, and the 1995 Land Use Plan.

This OSRP builds an understanding of Millville's current place in the region, its history and sense of self, its demographics, and its growth and development patterns. A thorough review of the geology, landscape, water resources, vegetation, wildlife and fisheries, unique and scenic resources, as well as, environmental challenges was necessary to develop a clear picture of the area's strengths, weaknesses,



opportunities and threats. Working with the State's Geographic Information Systems (MassGIS) database, the Millville Town Assessors Office and others, an inventory of public and private lands of conservation and recreation interest was compiled. This Plan identifies special areas that town residents enjoy, and sets out a strategy for improving open space and recreation opportunities in a manner that is sustainable for future generations. Central themes running through this document include protection of existing resources, and providing open space and recreation opportunities together with land conservation programs that enhance the health and safety of its citizens while preserving the character of the Town. The Seven-Year Action Plan included in [Section 9](#) outlines progressive steps to increase community information dissemination and involvement, to improve recreational opportunities for Millville's residents and visitors, and to foster economic growth by promoting its open space and recreation opportunities. It stipulates detailed action steps, time frames, and suggests responsible parties intended to help Millville move forward with open space planning.

### ***Public Participation***

The seven-member OSRP Committee included representation from the Board of Selectmen, Conservation Commission, Zoning Board of Appeals, Town Administration office, Parks and Recreation Commission, Community Garden Club, as well as two Representatives-at-Large. The OSRP Committee met nine times from September 2017 through June 2018 and all meetings were held at the newly established Town Hall building located at 290 Main Street. The OSRP meeting agendas were posted at Town Hall and all meetings were open to the public.

Due to this effort being Millville's first formal planning effort towards open space and recreation, the OSRP Committee felt it was crucial to gather the most community input as possible. The OSRP Committee distributed two community surveys to better understand the needs and concerns of Millville residents regarding the town's open space and recreation facilities, including opportunity areas for expansion or improvement. The OSRP Committee took the lead in designing and creating promotional materials including event flyers and postcards to gauge resident interest (see Figure 1). The Committee publicized the surveys through postcard mailings to all households, a press release to the local newspapers (i.e. Woonsocket Call), via social media, and postings on the Town's website. Both surveys were made available online via Survey Monkey and through hard copies at Town Hall located at 290 Main Street, the Millville Senior Center at 40 Prospect Street, and the Millville Public Library at 169 Main Street. The first survey included 10 open-ended questions, launched in accordance with the December 2017 tax bill and was "closed" on February 5, 2018. The first survey form that was mailed to all households is included in Appendix B. In total, 41 responses were collected for the initial survey. The second extended survey was available from February 26, 2018 to April 30, 2018 with a total of 110 respondents, or approximately 3.4% of the total population. The resulting information was then integrated into an Action Plan (Section 9) for implementation. The survey results can be found in Appendix C of the plan and key findings are also included throughout this document.

The OSRP Committee held a community forum on April 12, 2018 at the Millville Town Hall to obtain public feedback on open space and recreation issues, opportunities and needs as well as draft goals,

objectives, and actions. Approximately 5 people attended the forum. Low attendance is likely attributed to other conflicting events occurring in town such as school vacation week. The Public Forum provided residents with an opportunity to meet with the OSRP Committee and to reflect on open space and recreation priorities in Millville. During this forum, participants were asked to identify important natural resources, open spaces, recreation areas, and cultural landmarks in Millville and then identify associated issues, conflicts, or opportunities. Based on this conversation, participants then identified their open space and recreational needs or desires for the community. The final exercise involved the reviewing draft goals and objectives including potential actions. The participants' comments were reviewed and incorporated into this plan. Additionally, due to the low turnout of the public event, the Town Administrator felt it was important to provide a project update and share the draft content with the Board of Selectmen during a regularly scheduled Board meeting that was televised on Cable Access TV. This meeting was held on June 18, 2018.

Based on the comments received from the public visioning process, CMRPC completed a draft plan that was first reviewed by the OSRP Committee and then opened for public comment. The final draft OSRP was posted on the town website and formal notices of opportunities for public comments were sent directly to all subscribers on the Town of Millville's website to receive hearing notices in June 2018. One person submitted comments on the Plan. The OSRP Committee and CMRPC also presented the Plan and received feedback directly from members of the Board of Selectmen at a publicly-posted meeting on June 18, 2018. While response was limited, the information was used as one of many methods of gauging the public's needs and desires. The final 2018 Millville OSRP was completed in July 2018 and will remain active for seven years, allowing the Town access to grant funding opportunities and other State-aid programs. The 2018 Millville OSRP is physically available at Town Hall and the Library, and an electronic copy is available on the town's website.

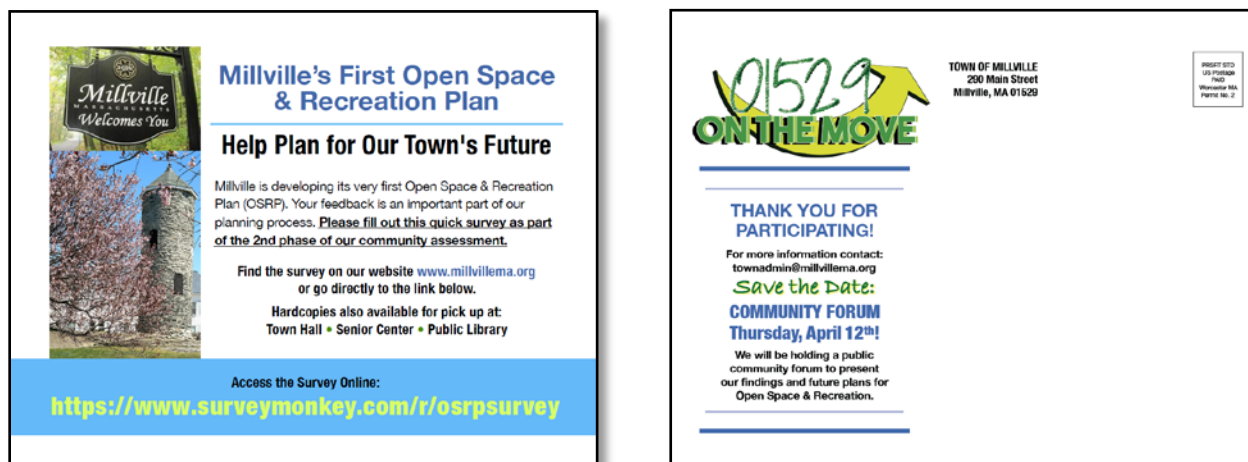


Figure 1: Millville OSRP Promotional Mailing Postcard

## SECTION 3: COMMUNITY SETTING

### 3A. REGIONAL CONTEXT

Millville is a land-rich community that covers 5.0 square miles located in southern Worcester County. The town lies nestled between Blackstone to the East, Mendon to the North, Uxbridge to the West, and the Town of North Smithfield, Rhode Island to the South. Located approximately 50 miles from the City of Boston, Millville lies within the Blackstone River Valley National Heritage Corridor and is considered part of the Providence metropolitan area. For regional context, a locator map for Millville is included in Appendix A as **Map 1: Regional Context Map**. The 2010 U.S. Census placed Millville's population at 3,190 residents. The OSRP Survey showed that people choose live in Millville for its small town character (48% of respondents), neighborhood safety (over 47% of respondents), low-crime and vandalism (over 43% of respondents), air quality (35% of respondents), and water quality (over 32% of respondents). Factors such as schools, community life, and having family and friends in Millville also received support for being important although less important than the above mentioned factors. Residents indicated that job opportunities, church life, library resources, availability of agriculture/farmland, and accessibility to highways were less important reasons for living in Millville.



**Figure 2: Local Landmarks Sign**

Arterial roadways provide the highest level of service at the greatest speed, for longer uninterrupted distances. Principal arterials are often in the form of interstates, which connect cities, regions, and bordering states. In Millville, the only principal arterial roadway is State Route 146 which travels in a north-south direction, about a half mile in total. Millville's primary transportation link is Main Street via State Route 122, which provides access to major destinations including shopping centers, residential developments, and town centers. Other minor arterial roadways in town include Central Street, Chestnut Hill Road, and Lincoln Street. Together, these roadways constitute nearly a quarter of the total roadway mileage within the town. Main Street (Route 122) is a north-south roadway that travels in a



**Figure 3: New Town Hall Building at 290 Main St**

northwest-southeast direction through Millville, essentially dividing the Town into two sections. As a vital regional link, Main Street serves as the focal point of town and runs from the Uxbridge town line to the Blackstone town line, about 1.7 miles in total length. The road provides access to essential services including the Fire Department, Library, and other industries.

The Town's public services and facilities have tried to keep pace with the demands of its rapidly growing population but financial constraints have often delayed needed projects. Despite these challenges, the town offers important facilities and services and has achieved many successes:

- **A new Town Hall building in 2016**
- **Hired its first Town Administrator in 2016**
- **Joined the Community Compact Program in 2016**
- **Received four Community Compact grants, which funded the development of the 2017 Master Plan, zoning diagnostic, and a shared planner assessment**
- **Contracted with MassDOT for Complete Streets projects in 2016 and 2017**
- **Received Green Communities Designation in 2014**

In spite of this growth, Millville continues to retain its rural character. A drive through many of Millville's back roads reveals an abundance of forestland, open fields and pastures. However, proactive planning through processes such as this OSRP and the recently completed 2018 Master Plan are necessary for the town to continue its traditional pattern of denser development along Route 122, separated by open landscapes of natural resource areas and rural scale development. Zoning regulations and flexible development zoning have encouraged this type of desired growth.

Politically, Millville is located in the 2<sup>nd</sup> Massachusetts Congressional District and the 8<sup>th</sup> Worcester State Representative District. Millville is located within the region served by CMRPC, the designated Regional Planning Agency (RPA) for southern-Worcester County, which includes the City of Worcester and the surrounding 39 communities. Millville operates under the Home Rule Charter, the town's primary executive is its Board of Selectmen, a body composed of five elected members who serve as the main policymakers for the local government. Supported by a Town Administrator, the Selectmen are responsible for hiring most Town administrative staff, appointing members to unelected boards and commissions, and executing contracts, among many other tasks. Other elected boards such as the Planning Board and Board of Health are charged with setting and/or regulating specific policies per state statute or local bylaw independent of the Board of Selectmen. Appointed boards often (but not always) serve in more advisory roles. Millville operates under the Open Town Meeting form of government where any voter is permitted to attend and vote on by-laws, budgets and other matters. Millville participates in the Commonwealth's Community Compact program with goals established for the improvement of infrastructure, financial policies, and capital planning. A recent report by the Mass. Department of Revenue (2016) funded through the Community Compact program recommended a limited consolidation and professionalization of town staff (including transitioning the elected Town Clerk and Highway Surveyor to appointed status) under the Town Administrator.



### 3B. HISTORY OF THE COMMUNITY

The Town of Millville is a community proud of its past. It has an industrial heritage that played a prominent role in the development of the Town. Millville grew around a succession of mills, with many neighborhoods remaining today that once provided housing for workers in the factories. The Blackstone River and Blackstone Canal were the focal points of the Town's early growth. Millville's natural resources offered good seasonal hunting and fishing and later also provided good fields, meadows and pasture to Native Americans and colonial settlers. Early Native-American trails likely included what are now Chestnut Hill Road and Central Street, which generally run north-south from the Worcester area into Rhode Island. Millville was an outlying settlement of the Mendon Grant of 1667. A century later the area that would become Millville was established as Mendon's Third Parish, and the Chestnut Hill Meeting House was built in 1769. The north-centrally located meetinghouse became the focus of early settlement and farming.

Entrepreneurs took advantage of the low-lying land along the River and harnessed its power for processing. In the 1800s, the Canal, and later the railroad, provided a ready means to transport manufactured goods. Settlement increased between 1775 and 1830 with small mills located along the Blackstone, while the northern sections of town engaged in agriculture. In 1814 the first woolen mill began operation at the falls in Millville, followed by a scythe manufacturing mill in 1825. The completion of the Blackstone Canal in 1828 improved Millville's ability to reach markets in the valley as distribution of raw materials and manufactured goods increased. Growing industry and commerce along the Blackstone led to the area separating from Mendon to create the Town of Blackstone in 1845.



Figure 4: Historic Signs at Udon Tower Park

In 1847, the Worcester Railroad surpassed the Blackstone Canal as the means of transport for goods and services. The failure of the canal, which operated for less than 20 years, actually increased mill capacity as sections of the canal could now be used to power larger factories. In the late 1800s, two companies, the Lawrence Felting Co. and the Woonsocket Rubber Co. built large factories in Millville. Both companies merged with the U.S. Rubber Company, which would become the dominant industry in town. Once home to smaller textile companies, rubber boots and wool/felt boot linings would soon become the principle product manufactured in Millville. Life in Millville centered on the mill, leading to increased workers' housing, schools, and churches in Millville. Streetcar service was established around this period as well, linking Millville with Blackstone and Woonsocket along Main Street.



**Figure 5: View of the railroad tracks from Central Street**

The establishment of industry along the Blackstone River and Canal and along the rail lines of the Providence and Worcester Railroad, and the creation of residences and institutions led to Millville's establishment as an independent town in 1916. However, with the Great Depression, the U.S. Rubber plant was closed and a flood destroyed the felting mill. With the transfer of manufacturing to southern states, the Town's mills began to decline following World War II. Natural disasters also dealt devastating blows to industrial mills in town and the greater Blackstone Valley. The Town's population shrunk by half and the lack of employment in town caused residents to look outside of town for income. While there were attempts to revise business at the mill, two fires, one in 1976 and another in 1977, destroyed the remaining mill complexes.

The growth of mills along the Blackstone brought with it mill villages that housed employees of the mills. Banigan City, located on the south side of the Blackstone River on Hope Street and Prospect Street, is Millville's largest cluster of Mill Housing. Banigan City is named after the president of the U.S. Rubber Company, an Irish-American immigrant who reflected the American "rags to riches" dream. The 1994 Millville Historic Resources Survey identified this neighborhood as eligible for consideration as a National Register District due to the easily recognizable examples of late 19th century corporate housing. Remains of the Banigan City School can be found between Banigan City and the Senior Center. Closed in 1944 and later torn down, the foundation, granite retaining walls, and steps are visible and are a visual reminder of Millville's past. Banigan City included a cross street, Washington Street, which lead downhill from Hope Street, across Prospect Street, over the Blackstone Canal, then across the river via a covered bridge to the baseball field and the rubber company plant, over the railroad tracks, and out to Main Street. The portion connecting Hope and Prospect Streets is the only section remaining.



### 3C. POPULATION CHARACTERISTICS

#### *Population, Household Trends and Density*

The Town of Millville has experienced slow to steady growth in the last century, with a less significant increase in population compared to other Blackstone Valley communities. In 1940, Millville had a population of 1,742 people. By 1990, the Town's population had grown to only 2,236, which is an increase of 494 people over a 50 year period, or less than ten people per year. The Town's population actually declined between 1940 and 1960, and between 1970 and 1980. As shown in Table 1, the Town's population began to increase by 2010, reaching 2,724 in 2000 and 3,190 in 2010. The trends in population from 1940 through 1980 were likely tied to the decline in manufacturing as jobs left the valley. However, the 1980's showed a significant reversal of this trend, as the Town grew by 543 people, or 32.1%. This increase does not seem to be tied to the creation of jobs within the community as Millville's employment base remained relatively stable during the 1980s (See Table 2). Most of this growth can therefore be attributed to new residents being attracted to Millville for other reasons and finding employment in other communities.

Table 1: Population Change in Millville 1940 to 2010								
	1940	1950	1960	1970	1980	1990	2000	2010
<b>Population</b>	1,742	1,692	1,567	1,764	1,693	2,236	2,724	3,190
<b>Change from Previous</b>	x	-50	-125	197	-71	543	488	466
<b>% Growth</b>	x	-2.9%	-7.4%	12.6%	-4.0%	32.1%	21.8%	17.1%
<i>Source: U.S. Census Bureau, Town of Millville</i>								



percentage of growth, it still only represents 4.1% of the total growth the Blackstone Valley experienced.

The previous 30 years represent a period of significant growth for the Blackstone Valley and many of its towns (see Table 2). While the State as a whole only grew 14.1% since 1980, Worcester County's population growth exceeded that of the State, growing 23.5%. The Blackstone Valley grew at a rate twice that of the County and three times that of the State. Many communities experienced explosive development pressure. Since 1980, Millville's population has grown by 88.4%. While this increase of 1,497 residents represents a higher

**Figure 6: Preston Street Neighborhood**

**Table 2: Regional Growth - 1980 through 2010**

	<b>1980</b>	<b>1990</b>	<b>2000</b>	<b>2010</b>	<b>Change 1980- 2010</b>	<b>Percent Change 1980-2010</b>
Blackstone	6,570	8,023	8,804	9,026	2,456	37.4%
Douglas	3,730	5,438	7,045	8,471	4,741	127.1%
Grafton	11,238	13,035	14,894	17,765	6,527	58.1%
Hopedale	3,905	5,666	5,907	5,911	2,006	51.4%
Mendon	3,108	4,010	5,286	5,839	2,731	87.9%
Millbury	11,808	12,228	12,784	13,261	1,453	12.3%
<b>Millville</b>	<b>1,693</b>	<b>2,236</b>	<b>2,724</b>	<b>3,190</b>	<b>1,497</b>	<b>88.4%</b>
Northbridge	12,246	13,371	13,182	15,707	3,461	28.3%
Sutton	5,855	6,824	8,250	8,963	3,108	53.1%
Upton	3,886	4,677	5,642	7,542	3,656	94.1%
Uxbridge	8,374	10,415	11,156	13,457	5,083	60.7%
Blackstone Valley	72,413	85,923	95,674	109,132	36,719	50.7%
Worcester County	646,352	709,705	749,973	798,552	152,200	23.5%
Massachusetts	5,737,037	6,016,425	6,349,097	6,547,629	810,592	14.1%
<i>Source: U.S. Census Bureau, Town of Millville</i>						

CMRPC projections show continued growth for the town with an estimated 3,370 residents by 2020 and 3,580 residents by 2030. CMRPC regularly publishes population projections for its constituent communities based on U.S. Census estimates. The town level projections were vetted with the communities for transportation planning purposes as part of the 2016 Long Range Transportation Plan. The control totals for the CMRPC region are provided by the Massachusetts Department of Transportation (MassDOT). Town level projections were developed based upon past growth trends, land use and infrastructure capacity, planned future projects, and stakeholder input, including that of the Central Massachusetts Metropolitan Planning Organization (CMMPO), CMMPO Advisory Committee, and CMRPC Regional Collaboration and Community Planning staff.

As shown on Table 3, Millville is expected to experience slow to steady population growth compared to other communities in the Southeast sub-region. The population in Uxbridge is expected to increase by 16% in 2030 and this rate of population growth may have an impact on Millville in terms of housing demand and spending on goods and services. In terms of employment, Millville falls steady in line or is slightly above its neighboring communities, with a projected increase of 4% in employment growth between 2010 and 2030, compared to 3% in Blackstone and Mendon, and 4% in Uxbridge. With a total landmass of 4.93 square miles, Millville's population density is 638 people per square mile. The most densely populated areas of Millville are within its Main Street corridor. By contrast, Worcester had a population density of 4,815.03 people per square mile in 2010 and Worcester County as a whole had a population density of 527.77 people per square mile.

Table 3: Population and Housing Projections

Municipality	Population Projections			Employment Projections		
	2010	2030	Percent change	2010	2030	Percent change
Blackstone	9,026	10,110	11%	1,030	1,060	3%
Douglas	8,471	9,550	11%	830	930	11%
Grafton	17,765	20,970	15%	4,100	4,470	8%
Hopedale	5,911	6,480	9%	1,620	1,670	3%
Mendon	5,839	6,550	11%	1,280	1,320	3%
Millbury	13,261	14,880	11%	5,050	5,440	7%
<b>Millville</b>	<b>3,190</b>	<b>3,580</b>	<b>11%</b>	<b>270</b>	<b>280</b>	<b>4%</b>
Northbridge	15,707	18,070	13%	5,320	5,950	11%
Sutton	8,963	10,040	11%	2,110	2,420	13%
Upton	7,542	8,520	11%	1,010	1,040	3%
Uxbridge	13,457	15,950	16%	3,080	3,200	4%
Southeast Sub-Regional Total	109,132	124,700	12%	25,700	27,780	7%
<i>Source: U.S. Census Bureau and the Central Massachusetts Regional Planning Commission</i>						

### Housing Characteristics

Despite the fluctuations in population in Millville over the last 60 years, there has been a steady increase in the Town's housing supply. Table 3.4 displays the change in housing units and household size for the past 30 years. Historically, during the 1960s and 1970s there was a modest increase of 40 and 64 units respectively per decade, averaging 5.2 units per year. During the 1980's, 235 units were added, increasing the housing stock in the Town by 39.4%, and averaging 23.5 units per year. The 1980s were a period of unusually robust housing construction due to a vibrant economy and high demand. Housing construction continued into the 1990s and into the new century with an increase of 91 units in 2000 and 239 units in 2010, a nearly 26% increase in supply. However, with the recession which began in 2008, the number of new units has decreased from past rates. The number of persons per household has also been decreasing throughout this period, from 3.38 in 1960 to 2.91 in 2010. Note that household size at 2.91, while decreasing modestly, is still rather high comparatively. As a result, even though the Town has been gaining steadily in new housing units, the population growth has been somewhat lower, as evidenced in the decline in household size across all housing units. This decrease reflects national trends as families have had fewer children than in the post-war era, the elderly population has steadily increased, and there are more single-person and single-parent households than in past decades. It is interesting to compare Millville's housing growth with that of other Blackstone Valley communities. Table 5 shows that Millville's 83.2% growth in housing units was exceeded only by Upton's 88.9% and Douglas' 88.1%, and the Town's rate was much higher than the Valley's 56.8% increase. However, Millville's 497 units represent only 3.4% of the 14,786 units that were built in the Valley since 1980.

Table 4: Millville Housing Units and Household Size					
	1980	1990	2000	2010	% Change 2000-2010
<b>Housing Units</b>	597	832	923	1,162	25.89%
<b>Average Household Size</b>	2.84	2.69	2.95	2.91	-1.36
<i>Source: U.S. Census Bureau, 1980 –2010</i>					

Table 5: Millville Housing Supply				
	2000		2010	
	#	%	#	%
<b>Total Units</b>	958	100%	1162	100%
<b>Owner-Occupied</b>	739	77.14%	909	78.22%
<b>Renter-Occupied</b>	184	19.21%	185	15.92%
<b>Total Occupied</b>	923	96.35%	1094	94.14%
<b>Vacant</b>	35	3.65%	68	5.85%
<b>Average Household Size - Owner</b>	3.10	-	3.03	-
<b>Average Household Size - Renter</b>	2.36	-	2.37	-
<i>Source: U.S. Census Bureau 2000-2010</i>				

### Population by Age

Similar to regional and national trends, Millville’s population is aging. In Millville, most of this growth occurred in the 25-34 and 35-44 year age brackets (see Table 6). These two groups alone doubled in population growth during the 1980s. Children under 5 years of age also gained 81 individuals, a reflection of the growth of young adults 25-44 years old since these are the prime child-bearing years. Like many other towns across the Commonwealth, Millville is experiencing a large increase in the number of seniors residing in town. As the population continued to age the distribution shifted. Therefore, by the year 2000 the number of 45-54 years olds doubled from the total for the age group in 1980. By 2010, this population cohort shifted to the 55-64 year old age bracket, more than doubling in number compared to 1980. Between 1980 and 2010, the 35-44 group, the 45-54 group, and the 55-64 group has increased by 228.7%, 213.2%, and 116.7%, respectively. This trend can be expected to result in a doubling or tripling of the 65 to 74 age bracket when compared to 1980 and the potential doubling of this age group compared to 2010. Analysis of trends in median-age also indicates this demographic bubble of an aging population. The 2000 median age was 33.6, the 2010 median age rose to 37.8, and the 2016 estimate was 41.5. Since 1980, the growth in school-age children has been modest compared to the other age categories, with a recent sharp increase in the 5-17 age cohort. This increase likely resulted in more children at the elementary school through high-school levels. The large inventory of vacant land approved for single-family homes will also cause a further increase in households with children who will enter the public-school system. The under age 5 cohort flattened out in 2010 which may indicate a longer term slowing of growth in school children.

Table 6: Age Distribution of Millville Residents (1980-2010)									
	< 5	5-17	18-24	25-34	35-44	45-54	55-64	65-74	75+
<b>1980</b>	123	433	201	242	178	174	156	101	85
<b>1990</b>	204	402	205	524	344	195	169	119	74
<b>2000</b>	222	263	165	425	586	324	154	126	95
<b>2010</b>	223	616	255	336	585	545	338	141	120
<b>Change 1980 to 2010</b>	100	183	54	94	407	371	182	40	35
<b>% Change 1980 to 2010</b>	81.3%	42.3%	26.9%	38.8%	228.7%	213.2%	116.7%	39.6%	41.2%
<i>Source: U.S. Census Bureau 1980-2010</i>									



**Figure 7: Millville Elementary School Building at 122 Berthelette Way**

Millville Elementary School (MES) is one of three elementary schools in the Blackstone-Millville Regional School District, and the only school located in Millville. Enrollment at the Millville Elementary School (MES) has dropped from 340 to 280 in the past decade, with a rebound to 290 expected for the school year starting in fall 2018. Administrators expect the enrollment to increase gradually to about 320 over the next two years as a number of small single-family residential construction projects are completed in Town. To date, school choice has had a limited impact on enrollment with only a handful of students opting into the school each year (opt-outs are unknown). Design capacity of the school is 400 students. Staffing at the school is roughly 40 full-time equivalents, split evenly between teachers and other staff (administration, specialists, nutrition, and facilities management). Millville Elementary is a Level 1 school, indicating that its students are largely meeting gap-narrowing and cumulative progress and performance goals. The student-to-teacher ratio at MES is 14:1, compared to 13.2:1 for all Massachusetts schools.

## Education

Millville consistently has a higher rate of high school graduates than the Massachusetts average, while the state has higher averages of graduates with higher education degrees. Table 3.8 demonstrates that Millville residents are typically as well educated as the state average. The majority (90%) of Massachusetts residents have a high-school degree or higher and 89% of Millville residents are also at this level of education. Since 2000, the percentage of high school graduates or higher has increased from 86% to 89% and the percentage with a Bachelor's degree or higher has increased from 20% to 27%. The state has also experienced an average increase in educational attainment rates. Millville consistently has a higher rate of high-school graduates than the Massachusetts average, while the state has higher averages of graduates with higher education degrees. Despite having averages lower than the state of residents with higher education degrees, Millville has shown a consistent increase in percentages of residents with Associate's, Bachelor's, and graduate or professional degrees. Only 5% of Millville residents had less than a 9<sup>th</sup> grade education, which is on par with the state level.

<b>Table 7: Educational Attainment</b>									
<b>Education (Population 25+ years of age)</b>	<b>2000</b>			<b>2010</b>			<b>2016</b>		
	<b>#</b>	<b>%</b>	<b>State %</b>	<b>#</b>	<b>%</b>	<b>State %</b>	<b>#</b>	<b>%</b>	<b>State %</b>
% High school graduate or higher	x	86%	85%	x	84%	89%	x	89%	90%
% Bachelor's degree or higher	x	20%	33%	x	28%	38%	x	27%	41%
Less than 9 <sup>th</sup> grade	51	3%	6%	97	5%	5%	100	5%	5%
9 <sup>th</sup> to 12 <sup>th</sup> grade	195	11%	9%	226	11%	6%	136	6%	5%
High school grad or equivalency	639	37%	27%	673	33%	27%	665	31%	25%
Some college, no degree	354	21%	17%	305	15%	16%	467	22%	16%
Associate's degree	123	7%	7%	160	8%	8%	208	10%	8%
Bachelor's degree	264	15%	20%	368	18%	22%	415	19%	23%
Graduate or professional degree	86	5%	14%	194	10%	16%	179	8%	18%
<i>Source: U.S. Census Bureau 2000-2010; American Community Survey 2012-2016</i>									

## Income and Employment

Most employment indicators in Millville show positive but modest growth. In 2015, the Town contained 1,681 workers over the age of 16, up nearly 19 percent from 1,413 workers in 2000. As shown on Table 8, incomes in Millville also increased between 2000, 2010, and 2016. In 2000, the Town's median family income was \$57,000. In 2010, this figure rose to \$77,250. In 2016, Millville's families earned a median income of \$91,250. Per capita income experienced strong growth between 2000 and 2010, followed by



modest growth from 2010 to 2016. Adjusted for inflation, Millville has seen real gains in income measures. However, rates of poverty for individuals are higher compared to most other towns in the Blackstone Valley region. This could suggest that newcomers to Millville, population gained through new subdivisions, have raised income levels, while the underlying historical poverty remains. Economic development should consider targeting this latter sub-population.

Table 8: Income by Type, 2000 to 2015			
	2000	2010	2016
Median household income	\$57,000	\$77,250	\$91,250
Median Family Income	\$61,513	\$83,125	\$106,591
Per capita income	\$20,497	\$29,951	\$34,255
Persons Below Poverty Level	5.8%	3.2%	7.0%
<i>Source: U.S. Census Bureau 2000, 2010, American Community Survey, 5-Year Estimates, 2012-2016</i>			

Table 9 below displays the median income of residents in the Blackstone Valley, Worcester County, and Massachusetts. Millville's household income (\$82,083) and family income (\$89,702) ranks the town 8<sup>th</sup> out of the 11 Blackstone Valley communities. Per capita income (\$29,546) was the lowest in the Blackstone Valley. The median household and family incomes of Millville remain much higher than the estimates for Worcester County and Massachusetts for this same period.

Table 9: Income By Geography						
	Household		Family		Per Capita	
	\$	Rank	\$	Rank	\$	Rank
Blackstone	74,294	9	87,175	9	32,488	8
Douglas	83,253	7	97,459	6	36,525	6
Grafton	87,077	5	109,515	4	39,887	4
Hopedale	89,408	4	108,125	5	38,747	5
Mendon	105,389	3	115,946	3	41,740	3
Millbury	71,681	10	84,455	11	32,361	9
<b>Millville</b>	<b>82,083</b>	<b>8</b>	<b>89,702</b>	<b>8</b>	<b>29,546</b>	<b>11</b>
Northbridge	66,541	11	86,597	10	32,055	10
Sutton	110,362	1	118,092	2	42,293	2
Upton	10,5729	2	13,3190	1	42,745	1
Uxbridge	84,909	6	96,083	7	34,910	7
Worcester County	64,152	x	79,121	x	30,557	x
Massachusetts	68,331	x	86,584	x	36,551	x
<i>Source: U.S. Census Bureau 2010</i>						

Millville's economy is comprised of a variety of industries and commercial enterprises. According to the U.S. Census Bureau's 2012 Survey of Business owners, the Town contains 237 companies. As shown in Table 10, this number of companies is far lower than that of the Town's bordering communities that each have more substantial land area and commercially zoned land. The Town's largest employers are

Millville Elementary School (50-99 employees), Millville Fire Department (20-49 emp.), Century Discount Liquors (10-19 emp.), Millville Police Department (10-19 emp.), St. Augustine’s Catholic Church (10-19 emp.), and St. Augustine’s religious Education (10-19 emp.).

Table 10: Number of Companies by Town	
Municipality	# of Companies
Millville	237
Uxbridge	1,313
Mendon	440
Blackstone	719
North Smithfield, RI	921
<i>Source: US Census Bureau 2012 Survey of Business Owners</i>	

### Environmental Justice

Since 2002, the Executive Office of Energy and Environmental Affairs (EOEEA) has been implementing an Environmental Justice Policy to help ensure that all Massachusetts residents experience equal protection and meaningful involvement with respect to the development, implementation, and enforcement of environmental laws, regulations, and policies and the equitable distribution of environmental benefits. This policy was instituted recognizing that communities across the Commonwealth, particularly those densely populated urban neighborhoods in and around the state’s older industrial areas, are facing many environmental challenges associated with Massachusetts’ industrial legacy. Residents in these predominantly low-income and minority communities – nearly 29% of the state population – lack open space and recreational resources and often live side-by-side numerous existing large and small sources of pollution and old abandoned, contaminated sites, which can pose risks to public health and the environment. Critical to advancing Environmental Justice (EJ) in the Commonwealth is the equitable distribution of environmental assets such as parks, open space, and recreation areas. Toward this end municipalities shall identify and prioritize open space sites in their OSRPs that are socially, recreationally, and ecologically important to EJ populations within the community. Environmental Justice Populations in Massachusetts are determined by the following criteria:

- Households that earn 65% or less of the statewide household median income;
- 25% or more of the residents are minority;
- 25% or more of the residents are foreign-born; or
- 25% or more of the residents are lacking English proficiency.

Currently there are no Environmental Justice populations in Millville (see [Map 2: Environmental Justice Map](#) in Appendix A). Millville is primarily a middle class community of mixed ethnic groups of European descent. Table 11 shows that residents in the Town of Millville are predominantly non-Hispanic white (96.3% in 2010). While Worcester County and Massachusetts also have populations that are primarily non-Hispanic white, the average in Millville is significantly higher than that of the county (80.68%) and

the state (76.13%). In descending order of percentage in 2010, the other races/ethnicities that make up Millville's population are Hispanic Latino (1.29%), non-Hispanic multi-race (0.85%), non-Hispanic Asian/Pacific Islander (0.91%), non-Hispanic Asian (0.91%), non-Hispanic Black (0.41%), and non-Hispanic Native American (0.22%). The Town has not experienced significant changes in its racial and ethnic make-up in past decades. Since 2000, the non-Hispanic White population has decreased by 0.95%, the non-Hispanic Black population has decreased by 0.36%, and the non-Hispanic multi-race population has decreased marginally by 0.1%. The greatest increase occurred among the non-Hispanic Asian and non-Hispanic Asian/Pacific Islander populations which rose by 0.73% from 2000 to 2010. 5.6% of the Millville population speaks a language other than English at home, according to the 2012-2016 American Community Survey, including Spanish, Asian and Pacific Island languages, and Indo-European languages. Although there are technically no EJ populations in Millville, there are still vulnerable populations that should be considered, including youth and elderly residents over 55 years old as mentioned earlier. These vulnerable populations have been carefully considered throughout the open space planning process and should be included in all implementation activities.

<b>Table 11: Race and Ethnicity 2000 - 2010</b>								
	<b>2000</b>				<b>2010</b>			
	<b>#</b>	<b>%</b>	<b>% County</b>	<b>% State</b>	<b>#</b>	<b>%</b>	<b>% County</b>	<b>% State</b>
Non-Hispanic White	2,649	97.25%	86.45%	81.88%	3,073	96.3%	80.68%	76.13%
Non-Hispanic Black	21	0.77%	2.43%	5.01%	13	0.41%	3.64%	5.98%
Non-Hispanic Native American	1	0.04%	0.2%	0.18%	7	0.22%	0.16%	0.16%
Non-Hispanic Asian	5	0.18%	2.6%	3.73%	29	0.91%	3.96%	5.31%
Non-Hispanic Pacific Islander	0	0%	0.03%	0.03%	0	0%	0.02%	0.02%
Non-Hispanic Asian/Pacific Islander	5	0.18%	2.63%	3.76%	29	0.91%	3.98%	5.33%
Non-Hispanic Other One Race	5	0.18%	0.22%	0.69%	0	0%	0.46%	0.94%
Non-Hispanic Multi-race	26	0.95%	1.29%	1.74%	27	0.85%	1.63%	1.87%
Hispanic/ Latino	17	0.95%	6.77%	6.75%	41	1.29%	9.44%	9.59%
<b>Total</b>	<b>2,724</b>				<b>3,190</b>			
<i>Source: U.S. Census Bureau 2000-2010</i>								

### 3D. GROWTH AND DEVELOPMENT PATTERNS

#### *Patterns and Trends*

Contrary to its origin as a mill community, very little land today is used for non-residential development. Commercial and industrial land uses together make up only about 72 acres, or 2.26% of the Town (See Table 12). Transportation uses (13.4 acres, principally Route 146 and the Providence & Worcester Railroad) were a growing category likely due to the additional subdivision streets built over the last 20 years. Open space remains a significant land use in Millville. Forestland continues to be the largest land use category, comprising 2,187 acres, or 69% of the town.

Developed land in Millville is almost entirely residential; the residential categories contain 585.4 acres, or 18.4% of the total land area of the Town. Large lot single-family homes (i.e. on lots greater than 1/2 acre) is the largest developed land category and increased the most of any residential category since 1971. Residential uses on lots less than 1/4 acre remained largely unchanged, but multi-family housing became a new category and added nearly 30 acres. These two types are located predominantly in the older neighborhoods around the Town Center, which were built to provide housing for workers in the Rubber Shop. According to Millville's Assessors Records, single-family residences dominate the landscape, with a total of 583 single-family homes. Condominiums, two-family, and multi-family structures are also prevalent, accounting for 277 such residences. Only four buildings are listed that contain between four and eight units. The Assessors also classify nine residential properties as mobile homes. A total of 48 properties are classified as Commercial. The largest category of these is automotive uses with 18, followed by warehouses, small stores, and general office buildings with six each. All of these are small operations as there are no large business enterprises in Millville. Only three vacant properties are classified as developable for commercial use.

**Table 12: Land Use Distribution - 2005**

<b>Land Use Classification</b>	<b>Acres</b>	<b>% Total Town Acres</b>
Residential	585.40	18.42%
Commercial	7.13	0.22%
Industrial	65.62	2.06%
Public	10.71	0.34%
Agricultural	21.01	0.66%
Transportation	13.36	0.42%
Recreation and Open Space	30.02	0.94%
Wetlands and Water	241.52	7.60%
Forestlands	2,187.05	68.803%
Other	16.88	0.53%
<b>Total</b>	<b>3,178.70</b>	<b>100.00%</b>
<i>Source: Land Use Data Layer, MassGIS</i>		

As shown on Table 13, forests have decreased by 6.5% or 153 acres since 1971, the largest decrease of any of the land use types. Land in agricultural production, nearly constant between 1971 and 1985, dropped precipitously between 1985 and 2005; cropland decreased by 12.04 acres since 1971 or 80%, while pasture declined by 79.5 acres. In 1985, these two categories accounted for about 4% of Millville's land area and by 2005 were less than 1%. Wetlands take up a very small percentage of the Town's land, but increased slightly likely due to changes in definition and classification. Open land (such as abandoned fields and buried utility lines) amounted to 169.7 acres in 1985, but decreased nearly 86% from 1971. Clearly the trend is away from land-based economic activity such as agriculture and mining and more land is being used for the development of residential properties. Commercial, industrial, and transportation land uses also expanded significantly from 1971 to 2005 but only as a percentage of their former levels. Overall, commercial land use makes up only 1/5 of 1% of all land in town while industrial lands (includes junkyard, waste disposal, power lines, and utility) only make up slightly more than 2% of land area.

<b>Table 13: Land Use Change, 1971 – 2005</b>				
<b>Type</b>	<b>1971</b>	<b>1985</b>	<b>2005</b>	<b>Change '71-'05</b>
1 - Cropland	15.05	23.96	3.01	-80.00%
2 - Pasture	97.51	89.81	18.00	-81.54%
3 - Forestland	2339.82	2252.39	2187.05	-6.53%
4 - Wetland	42.98	42.98	210.09	388.81%
5 - Mining	14.64	14.64	0.0	-100.00%
6 - Open Land	186.15	169.69	27.69	-85.13%
7 - Participant Recreation	0.0	0.0	2.33	∞
8 - Spectator Recreation	3.68	3.68	0.0	-100.00%
9 - Water Based Recreation	0.0	0.0	0.0	0.0
10 - Multiple Family Residential	0.0	0.0	28.04	∞
11 - Residential, < 1/4 Acre Lots	16.71	16.71	14.68	-12.15%
12 - Residential, 1/4 - 1/2 Acre Lots	144.77	145.96	76.14	-47.41%
13 - Residential, > 1/2 Acre Lots	244.75	325.77	423.95	73.22
14 – Residential, Very Low Density	0.0	0.0	42.59	∞
15 - Commercial	1.82	5.27	7.13	291.76%
16 - Industrial	14.07	5.60	65.62	366.38%
17 - Urban Open Or Public	8.79	19.43	10.71	10.64
18 - Transportation	7.27	5.44	13.36	83.77%
19 - Waste Disposal	5.14	12.72	0.0	-100.00%
20 - Water	35.11	35.11	41.43	18.00%
21 - Woody Perennial - Orchard	0.0	0.0	0.0	0.0%
22 - Transitional	0.0	0.0	4.78	∞
<b>TOTAL</b>	<b>3,176.43</b>	<b>3,176.43</b>	<b>3,178.70</b>	
<i>Source: University of Massachusetts at Amherst; Land Use Data Layer, MassGIS</i>				

In 2012 and 2013, CMRPC completed the Blackstone Valley Prioritization Plan (BVPP), a regional planning process study of 13 communities in the Blackstone Valley – including Millville. The document focuses on local and regional priorities for areas of development, areas for preservation, and recommendations for significant infrastructure investments. Priority development areas (PDAs) are areas within a town that have been identified as capable of supporting additional development or as candidates for redevelopment. These are areas on which a town is focusing its energy to promote thoughtful economic development that is closely tied to the community’s goals. Priority Preservation Areas (PPAs) are areas within a town that deserve special protection due to the presence of significant environmental factors and natural features, such as endangered species habitats or areas critical to drinking water supply, scenic vistas, areas important to a cultural landscape, or areas of historical significance. There are seven priority areas in or around Millville including two regional areas, one state area, and four local sites. Table 14 includes a list of local and regional priority areas identified in Millville:

<b>Table 14: Regional and Local Millville Priority Development and Preservation Areas</b>			
188-1	Millville-Blackstone Downtown PDA	Development	Regional
188-2	181 Main Street Brownfield (Former US Rubber Co.)	Development	Local
188-3	Blackstone Canal	Preservation	State
188-4	Southwick Wild Animal Zoo	Preservation	Regional
188-A	Blackstone Valley Bikeway	STIC <sup>1</sup>	Local
188-B	Southern New England Trunk Line Trail	STIC	Local
188-C	Fire Protection Water Service to Town	SII <sup>2</sup>	Local
<i>Source: 2012 Blackstone Valley Prioritization Plan, CMRPC</i>			

In 2016, CMRPC completed a Town Center Opportunities and Constraints Study for Millville related to a PDA designated in the BVPP. The study area for this project was centered on the local priority area designated as the Millville-Blackstone Downtown PDA or 188-1. In this study, CMRPC conducted an analysis on existing conditions and land use within the study area, which notes a predominance of residential properties with 71% residential, 5% institutional, 4% commercial or mixed use, 1% industrial, and a fairly sizable vacant category at 16%. The study found that two factors exist in Millville’s land use historical trajectory. First, there is a very small and limited supply of commercial and industrial land use, which cannot be significantly increased due to infrastructure constraints (largely lack of public water and wastewater). Second, residential growth has been slow but steady and Millville is well situated related to both the Providence and Worcester real estate markets to serve as a bedroom community for both. It is also one of the more affordable markets for housing in the region. For this reason, it should be expected that such residential development will continue in Millville. As a result of these two factors, the property tax burden will become more pronounced on residential owners and services will likely be even more dependent on this one land use category. The Town is acutely aware that non-residential development is necessary to offset this increasing tax burden. However, the current and future anticipated burden has not been quantified. The PDA study further concluded that water and sewer

<sup>1</sup> Significant Transportation Investment Corridor

<sup>2</sup> Significant Infrastructure Investment



were the primary obstacles to any further development or redevelopment of the study area and that zoning needed to be amended to allow different densities, lot configurations and siting, and mixed uses.

## Zoning

Zoning and other land use laws constitute a community's "blueprint" for its future. Millville's residents and leaders can expect that the Town's existing land use will continue to look more and more like its zoning map over time until the Town is finally "built out." The Town adopted its first zoning bylaw in 1978. Since that time, the Town has revised and modified the bylaw many times. Millville has four base zoning districts and one overlay district (Renewable Energy). The base districts define the allowed uses and dimensional requirements, while the overlay districts provide for additional uses, restrictions and protection measures in specific areas of Town. The base districts are summarized below in Table 14 and shown on **Map 3: Millville Zoning Map** in Appendix A. Permitted uses within each of the zoning districts, as well as dimensional and density regulations for building sizes and yard areas are set forth within Millville's Zoning Bylaw.

<b>District</b>	<b>Intended Use</b>	<b>Area (acres)</b>	<b>% of Town</b>
Outlying Residential	Single family on lots 60,000 s.f.	1,321.68	41.6%
Village Residential	Single family on lots 40,000 s.f.	1,325.35	41.8%
Village Center	Single family on lots 20,000 s.f.	255.26	8.0%
Commercial Business	Residential & non-residential on lots 20k s.f.	272.14	8.6%
Renewable Energy Overlay	Overlay, large solar facilities, 250kW +	58.90	1.9% <sup>3</sup>
<b>Total</b>		<b>3,174.43</b>	<b>100%</b>

*Source: Town of Millville Bylaws Chapter 100: Zoning*

## Infrastructure

Millville's municipal buildings are in a state of transition. Age and deferred maintenance have rendered the old Town Hall at the Longfellow Municipal Center unusable, and in 2016 the Town's administrative functions were temporarily relocated to the Police Department's garage. After a trying year in this interim location, in 2017 a modern office space was created at the former American Legion Hall located at 290 Main Street, providing the Town offices with a new home for the next several years or more. The question of what to do with the old Town Hall remains. The Longfellow Municipal Center currently contains the Police Department, an outdated and unmaintained playground, and the Udor Tower Park. The Udor Tower Park is a dominant feature in Millville located in front of the Longfellow Municipal Center. The park features a 25-foot tall water tower. Recent efforts to preserve the tower were successful with a new roof installed in 2014.

<sup>3</sup> Renewable Energy Overlay District percentage is not counted toward percentage of total land area.

Other town facilities include the Fire Department and Veterans Memorial Park, Free Public Library, Senior Center, Elementary School and Playground, Highway Department Salt Shed, Mansfield Pond Fire Control Pump Station, and Fire Control Water Tank. With two exceptions, Millville's other facilities appear to be adequate for the foreseeable future in function, scope, condition, and efficiency for a community of Millville's size and budget. Solutions will need to be found for the Highway Department and the Police Department in the relatively near term.

Millville does not have municipal drinking water or sewer service. The Fire Department operates a limited fire-control water system sourced from Mansfield Pond to provide fire suppression service to the



**Figure 8: Intersection of Lincoln Street and Chestnut Hill Road**

developed south-central part of town. Pond water is pumped from a small pump house at 122 Central Street through a network of mains in the town center area (both north and south of the Blackstone River) serving hydrants along mostly major roadways. The system is kept pressurized at all times. In the event of a fire, the pump station is turned on or a fire engine is connected to the system to allow flow to the hydrants. The pump is powered by a 1970s-era generator that lacks auto-start technology, requiring firefighters to manually start the system in the event of a fire. While the existing water system is considerably better than nothing, it is considered awkward to operate. It is also vulnerable to pump

equipment failures and to seasonal drought conditions, given the shallow water source at Mansfield Pond. The Fire Department is in the process of mapping the water system to improve its ability to plan for system maintenance and upgrades. A water tank is maintained by the Millville Fire Department at the Elementary School to serve the school's sprinkler system. Aside from the Town's water system, some newer subdivisions have their own standpipes and cisterns for fire suppression.

The MassDOT bridge database features information of MassDOT and municipality-owned bridges that span more than 20 feet. Inspections are completed bi-annually. Information on MassDOT and municipality-owned bridges with spans between 10 and 20 feet and culverts with spans of four to 10 feet are not available at this time. Data collection efforts are underway. There are five bridges included in the MassDOT Bridge Inspection Management System (BIMS) database in Millville, all located on Central Street over the Blackstone River, and over the railroad tracks. Two of the five are owned by MassDOT, and the remaining three are municipally owned. The five bridges were replaced between 2006 and 2008, and none are rated 'functionally obsolete' or 'structurally deficient.'

### ***Roadways and Sidewalks***

Millville is the sole owner of the majority of roadways in town. Of the nearly 23-centerline miles of roadway in Millville, 88%, or 19.81 miles are Town-accepted streets and are under the authority of the Millville Highway Department (see Table 16). The Highway Department is responsible for maintenance

and/or replacement of roadways, storm drains, sidewalks, bridges, guardrails, administration of snow plowing and sanding, and compliance with storm water management rules and regulations. The majority of local roadways in Millville are narrow with light residential density, such as Thayer Street (see Figure 10). Only 1.96 roadway centerline miles in Millville are under the purview of MassDOT. These roadways include Main Street (from the Uxbridge town line to the Blackstone town line), Route 146 (from the Rhode Island state line to the Uxbridge town line), and Central Street (from Main Street to Fletcher Avenue).

**Table 16: Roadway Centerline Miles by Jurisdiction**

Maintenance Authority	Total Mileage	Percent of Total Roadways
MassDOT	1.96	8.7%
Town of Millville - Accepted	19.81	87.7%
Unaccepted Roadways	0.81	3.6%
<b>Total</b>	<b>22.58 miles</b>	<b>100%</b>
<i>Source: MassDOT Road Inventory File (RIF)</i>		

In 2016 CMRPC staff surveyed the condition of Federal-aid eligible roadways in Millville as part of its regional pavement management program. The windshield survey includes data related to pavement, sidewalks, and Americans with Disabilities Act (ADA) ramp conditions. Data collected from the regional pavement management program is used as part of the project selection process for the Transportation Improvement Program (TIP), Long Range Transportation Plan (LRTP), and other transportation planning related work. Data gathered through the regional pavement management program is processed using specialized software that calculates the Overall Condition Index (OCI) – as well as to estimate future roadway conditions and associated repair costs. Each roadway segment is scored on a 0 to 100 scale. Millville’s total OCI in 2016 was 54.36, indicating that Federal-aid eligible roadways are in fair condition. The estimated backlog of Federal-aid eligible roadway repair is approximately \$1.7 million – to bring the roadways surveyed from fair to excellent condition. Sidewalks and ADA ramp condition data is also collected in tandem with pavement data. The sidewalk data serves as an inventory of the location, width, type of material, and general condition. Sidewalk condition data is qualitative and categorized into a similar structure as pavement condition data (excellent, good, fair, and poor). ADA ramp condition data serves as an inventory of ramp type (compliant, historic, non-compliant, and no ramp). Millville residents essentially rely on their automobiles for transportation. Sidewalk availability is limited along the main roadways, and bicycle accommodations on roadways are non-existent. Sidewalks are located primarily within the Town Center and are in either fair or poor condition.



**Figure 9: Thayer Street**

## Bus Routes

Unlike most communities in Massachusetts, Millville is not a member community of any Regional Transit Authority (RTA). Though not a member of an RTA, Millville does offer specialized transportation assistance to residents through its Senior Center van service and is within close proximity to neighboring communities with access to public transportation. The Millville Senior Center operates a 12-passenger, handicapped-accessible van service for senior residents. The primary use of the van service is to transport Millville seniors to and from medical appointments, mainly to medical offices and facilities in Milford, or Franklin. Grocery trips are provided on alternating weeks to Uxbridge or Northbridge, but medical appointments are the first priority and can bump other scheduled trips to grocery stores, retailers, or recreational activities. The van service provides about 25 to 30 passenger trips per month, and provided nearly 750 passenger trips in Fiscal Year 2016. Passenger fares are a suggested donation with local trips starting at \$3, trips to Milford or Franklin costing \$5, and trips to Worcester or Providence costing between \$10 and \$15.



Figure 10: Millville Senior Center Van

## 3E. PRIOR PLANNING EFFORTS AND ACTIVE COMMITTEES

Residents of Millville have been actively engaged in the planning for the protection and preservation of vital land resources for many years now. Some of the past Town planning efforts and active groups include those listed below. These groups and efforts will be critical as the Town works to accomplish the goals outline in Section 9 of this report.

### MILLVILLE MASTER PLAN 2017

In 2017, Millville completed a Master Plan funded by a Community Compact grant. The Plan outlined goals for natural historic resource protection, and open space preservation that aligns with the goals of this project. These goals should be carefully considered as part of this planning process, and include: preserve the Town's many outstanding historic resources; improve the water quality and preserve flood storage capacity of the Blackstone River; and preserve important natural resources from development and provide large tracts of usable open space for passive recreation activities by local residents.

### OPEN SPACE RESIDENTIAL DEVELOPMENT (OSRD) BYLAW

Adopted in 2009, the OSRD Bylaw allows for the clustering of residential structures through the reduction of the lot size, setbacks, and frontage in exchange for the preservation of no less than 35% of

the land area. The OSRD Bylaw enables the protection of Millville's natural resources while allowing for development in a manner that will be less burdensome to the town and reduce cost of services to the Town by reducing needed infrastructure to support residential development.

#### WIRELESS COMMUNICATIONS OVERLAY DISTRICT (WCOD) BYLAW

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Adopted in 2010, the WCOD establishes a special permitting process to site a wireless communication facility within the Town of Millville, while minimizing potential damage and adverse visual impacts of wireless communication facilities on adjacent properties, residential neighborhoods, and areas of historic or high scenic value; to allow the provision of necessary wireless communication services in an orderly way; and to promote shared use of existing facilities to reduce the need for new facilities. Priority siting is given to Town of Millville parcels to generate revenue.

#### STORMWATER AND EROSION CONTROL

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In 2006, the Town adopted the Stormwater Management Bylaw. The purpose of the bylaw was to require practices to control the flow of stormwater runoff from sites undergoing new construction and redevelopment into Millville's storm drainage system in order to prevent flooding and erosion, and to protect the Town's groundwater and surface waters from degradation. The Planning Board is the body responsible for the issuance of Stormwater Management Permits. The Planning Board Regulations were adopted by the Board in 2009.

#### BOARD OF HEALTH REGULATIONS

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The Board of Health regulations contain provisions for on-site sewage treatment and hazardous material reporting. Septic systems must be designed to the requirements of the Massachusetts Title 5 regulations. The Board of Health is an important component of the municipal development review team.

#### CONSERVATION COMMISSION

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The Conservation Commission is comprised of a seven-member board that is charged with the protection and promotion of the Town's natural and watershed resources through review of permits, site visits, and meetings regarding the enforcement of the Massachusetts Wetland Protection Act. The Conservation Commission also reviews Forest Cutting Plans in order to notify local Board members about forest management activities. The Commission manages approximately 200 acres of permanently protected open space lands in Town. Commission meetings are held on the first Wednesday of every month.

#### WETLAND AND WATER RESOURCE PROTECTION

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The Conservation Commission administers the Massachusetts Wetlands Protection Act by providing additional pre-construction review and local control of activities that are likely to affect wetlands and

their various functions. Conservation Commission should also be integrated into local development review processes.

## HISTORICAL COMMISSION

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The Historical Commission is made up of a 5-member board serving as the agency responsible for identifying and recording the historical assets of its community and for developing and implementing a program of preservation.

## CULTURAL COUNCIL

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The Cultural Council is comprised of a five-member board that promotes excellence, access, education, and diversity of all the arts through the disbursement of state funds to individuals and non-profit organizations for projects and events that offer public benefits in the arts, humanities, and interpretive sciences.

## PARKS AND RECREATION COMMISSION

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The Parks and Recreation Commission is a four-member board that oversees parks and recreational facilities and related programming. Duties of the Parks and Recreation Commission include: to lay out and improve parks; general charge and maintenance of all public parks; improve and make rules and regulations for public parks; and conduct programs and recreational activities.

## BOARD OF ASSESSORS

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The Board of Assessors is comprised of a three-member board required by Massachusetts Law to annually assess taxes to cover the cost of running the Town, along with state appropriations assessed to the Town. The Assessors' primary responsibility is to determine the "full and fair cash value" of your property so you pay only your fair share of the taxes. Assessed values in Massachusetts are based on "full and fair cash value" or 100 percent of fair market value. Each year the office reviews sales and the real estate market; this is done so that the property taxpayer pays his or her fair share of the cost of local government, in proportion to the value of his/her property.

## CABLE ACCESS COMMITTEE

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The Cable Access Committee is made up of five members that advise the Board of Selectmen on public, educational and governmental cable access policies, procedures and programming; review complaints, suggestions and issues raised relative to the cable system, the licensee and the services provided and make recommendations to the Board of Selectmen on such matters; oversee grant money; recommend equipment, programs and cable needs; responsible for the filming of Town events to be shown on Millville's cable access channels



## SECTION 4: ENVIRONMENTAL INVENTORY AND ANALYSIS

### 4A. GEOLOGY, SOILS, AND TOPOGRAPHY

The Town of Millville is located on the Massachusetts-Rhode Island border in southern Worcester County. Millville, which directly abuts the Towns of Uxbridge, Mendon, and Blackstone, measures five square miles. The southern third of Town is divided by the Blackstone River, which once provided Millville with the majority of its industry.

Millville's soil is predominantly Gloucester sandy loam. Gloucester soils are typically found on till upland hills and ridges and tend to have high or very high saturated hydraulic connectivity. Consistent with Millville's predominant land use, these soils are mainly found in forests. **Map 4: Soils & Geologic Features** displays the location of the Prime Farmland Soils as defined by the Natural Resource Conservation Service (NRCS). Prime Farmland Soils include land that has the best combination of physical and chemical characteristics for economically producing sustained high yields of food, feed, forage, fiber, and oilseed crops, when treated and managed according to acceptable farming methods. As shown in Map 4, these soils are generally located in the southwestern third of town. This map also provides information on dominant soil drainage classes in Town. Soils range from very poorly drained to excessively drained. Portions of Town with very poorly drained soils tend to be concentrated in the northern section of Millville. A large amount of the centrally-located land in Millville is classified as having well-drained soils. Excessively drained soils in Millville tend to be located in close proximity to the Blackstone River. It is also noted that a large amount of land in Millville does not have a classified drainage class. The bedrock in Millville is primarily Avalon Granite and Mafic Rock.

Consistent with Millville's predominant land use, these soils are mainly found in forests. Common tree species that perform well in this soil type include oaks, gray birch, eastern white pine, maples, and eastern hemlock. These species are typical with those traditionally found in Massachusetts. Non-forest patches with this soil type are also conducive for juniper, sweet fern, hardhack, and blueberry growth.

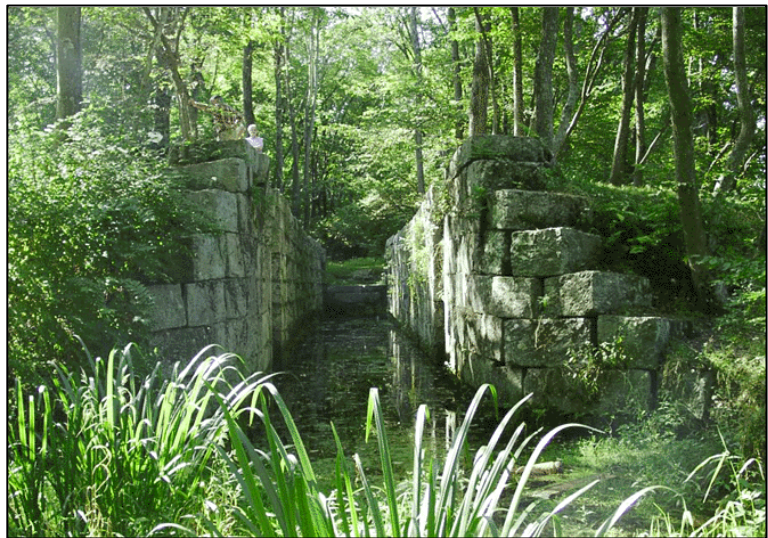


Figure 11: Blackstone Riverfront

## 4B. LANDSCAPE CHARACTER

Millville is located in the southeastern section of Worcester County, approximately 22 miles south of Worcester and 18 miles north of Providence. The Blackstone River played a large role in defining the Town's landscape and character. As indicated above, Millville relied mainly on hydropower from the Blackstone River to fuel its industry. With that industry gone, the Blackstone provides an ecological and social benefit to the Town more than it does a financial benefit. An approximate 1.5 mile length of the River passes through Millville, flowing from west to east. The river has only one major fall throughout this section. The Blackstone Canal, once a major source of industry for the Town and the region, can still be seen on the south bank of the Blackstone River.

Millville contains a significant number of heritage landscapes due in large part to its industrial history. [Map 5: Scenic and Unique Features](#), described in more detail in [Section 4F](#) below, provides a clear illustration of key areas in Town. The Canal is included in a National Register Historic District. The Chestnut Hill Meeting House, one of the earliest intact meeting houses in the State, and the graveyard that surrounds it have also been accepted into the National Register. Millville is also home to the best-preserved lock on the Blackstone Canal. Lock 21 is owned by the State of Massachusetts but managed by the Department of Conservation and Recreation. Historical locations such as these and close proximity to the Blackstone's riverfront area largely defines the Town's character.



**Figure 12: Millville Lock**

## 4C. WATER RESOURCES

Four rivers travel through Millville of which the Blackstone is the largest. Other rivers include the Branch River, Mill River, and West River. Fox Brook runs through the eastern portion of Town as well via Blackstone. Millville falls within the Blackstone River Watershed. At a finer scale, the Town sits within the Lower Blackstone River Watershed and the Blackstone River-West River to Peters River sub-watershed. Mansfield Pond is a shallow water source centrally located in town just south of the Blackstone River. As previously noted, the Fire Department operates a limited fire-control water system sourced from the Pond to provide fire suppression service to the developed south-central part of town. Mansfield Pond is identified as a Category-2 waterbody according to the U.S. EPA. In 2009, the Town adopted a Stormwater Management Bylaw. This bylaw sets requirements to better control the flow of

stormwater runoff from construction sites. The bylaw works to protect Millville's drainage infrastructure, reduce flooding and erosion, and protect groundwater and surface water from degradation. The Millville Planning Board is responsible for issuing Stormwater Management permits.

The EPA identifies three classifications of public water systems. These classifications include:

- *Community Water Systems*: A public water system that supplies water to the same population year-round
- *Non-Transient Non-Community Water Systems*: A public water system that regularly supplies water to at least 25 of the same people at least six months per year. Some examples are schools, factories, office buildings, and hospitals which have their own water systems
- *Transient Non-Community Water Systems*: A public water system that provides water in a place such as a gas station or campground where people do not remain for long periods of time

There are five Transient Non-Community Water Systems located in Millville. These systems are clustered around the southern portion of Town in close proximity to the Blackstone River and Main Street/Route 122. The single Non-Transient Non-Community Water System in Millville is located slightly further north. A portion of Millville in close proximity to the Blackstone River falls within FEMA's 100-year flood area. Land just south of Main Street that falls slightly further from the Blackstone is within FEMA's 500-year flood area as well. Additional lands located in the northern portion of Town fall within FEMA's 500-year flood area as well. The town's water resources are displayed on [Map 6A: Water Resources 1](#) and [Map 6B: Water Resources 2](#) in Appendix A.

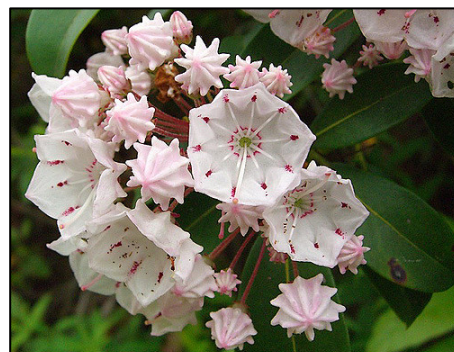
### *Wetlands and Aquifer Recharge*

Wetlands are located throughout Millville, providing critical ecosystem services and potential development constraints. As shown in [Map 10: Biohabitat Map](#), DEP recognized wetlands are well-distributed throughout Town. Shown in bright green on this map, wetlands tend to be clustered together in the southern section of Millville, along the eastern border abutting Blackstone, and in the northern section of Town on either side of Old Chestnut Hill Road. There are numerous NHESP Certified and Potential vernal pools located in and around designated wetlands as also shown in [Map 10](#).

There are no aquifer recharge areas located in Millville.

## 4D. VEGETATION

The vegetation in Millville is determined by land use, climate, elevation, topography, aspect, and soils/geology. Vegetation serves as an anchor to topsoil, helping to control erosion. It also provides shade, animal habitat and aesthetic beauty. Traditionally timber harvesting has played an important role in New England's economy. Forest land makes up the largest land use category in



**Figure 13: Mountain Laurel** (J. Hollinger, Flickr, 2007)

Town. Based on 2005 land use data, Millville encompasses 2187 acres of forest. However, this acreage is down from 2252 acres in 1985 and 2339 in 1971. Trees and other forms of vegetation provide important resources for a community via a variety of ecosystem services. Open space planning should protect the volume and diversity of vegetation for a multitude of reasons. Public shade trees are located throughout Millville on all Town properties. Like many of its neighboring Towns, Millville is largely classified as Central Oak-Hardwood and Pine Forest. This forest type is consistent with the larger central Appalachian region, which is dominated by closed canopy hardwood forests. As described by the United States Geological Survey, the region is “a variable mixture of dry-site oak and pine species such as chestnut oak, white oak, red oak, black oak, scarlet oak, pitch pine, and white pine; these may occur as oak forest, mixed oak-pine forest, or patches of pine forest. Heath shrubs (hillside blueberry, huckleberry, and mountain laurel, etc.), often dense, are characteristic. Disturbance agents include fire, windthrow, and ice damage. Increased site disturbance generally leads to secondary forest vegetation with a greater proportion of pine and weedy hardwoods such as red maple. In the absence of fire, this system is believed to develop into northern hardwood and hemlock forests.”<sup>4</sup> Based on Massachusetts urban and community forestry data, Millville’s 2,187 acres of forest land corresponds to 66% canopy cover. This percentage ranks slightly higher than the State’s total canopy cover of 62%<sup>5</sup>.

In 2012 the Massachusetts Department of Fish and Game, through the Division of Fisheries and Wildlife’s Natural Heritage & Endangered Species Program (NHESP), and The Nature Conservancy’s Massachusetts Program developed *BioMap2* to protect the state’s biodiversity in the context of climate change. *BioMap2* (See **Map 10: Habitat Features Map**) identifies two (2) complementary spatial layers, Core Habitat and Critical Natural Landscape as defined below.

- *Core Habitat* identifies key areas that are critical for the long-term persistence of rare species and other Species of Conservation Concern, as well as a wide diversity of natural communities and intact ecosystems across the Commonwealth. Protection of Core Habitats will contribute to the conservation of specific elements of biodiversity.
- *Critical Natural Landscape* identifies large natural Landscape Blocks that are minimally impacted by development. If protected, these areas will provide habitat for wide-ranging native species, support intact ecological processes, maintain connectivity among habitats, and enhance ecological resilience to natural and anthropogenic disturbances in a rapidly changing world. Areas delineated as Critical Natural Landscape also include buffering upland around wetland, coastal, and aquatic Core Habitats to help ensure their long-term integrity.<sup>6</sup>

The most important areas of Millville to protect to maintain known biodiversity are the areas shown in Map 10, which displays data from BioMap2. Any work intended in these areas should include

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<sup>4</sup> USGS National Gap Analysis Program [https://gis1.usgs.gov/csas/gap/viewer/land\\_cover/Map.aspx](https://gis1.usgs.gov/csas/gap/viewer/land_cover/Map.aspx)

<sup>5</sup> Massachusetts Urban and Community Forestry <http://maps.massgis.state.ma.us/dcr/forestry/forestry23.html>

<sup>6</sup> Mass GIS BioMap. [http://maps.massgis.state.ma.us/dfg/biomap/pdf/town\\_core/Millville.pdf](http://maps.massgis.state.ma.us/dfg/biomap/pdf/town_core/Millville.pdf)



management of the rare species and their habitats. As shown on [Map 10](#), there are two distinct cores in Millville. These are (1) species of concern and (2) a wetland core. The wetland core, which is 25 acres in size, is located on the eastern section of Millville. The core habitat area for species of concern is located on the southwestern edge of Millville. This core provides important habitat for Papillose Nut Sedge and Tall Nut-sedge. Papillose Nut Sedge, a member of the Sedge family, is 8 to 19 inches tall with stems that arise from hard knotty rhizomes. The leaves are narrow, 1-3 mm wide. In Massachusetts, it occurs in dry, open, grassy areas surrounded by scrub oak barrens or oak-pitch pine woods. Tall Nut-sedge, a member of the Sedge family is at its northern limit in Massachusetts. Historically, this species is known from wet Pine Barrens and salt marshes. Its current rarity is likely due to lack of disturbance and fire.

#### 4E. FISHERIES AND WILDLIFE

##### *Fisheries*

The Blackstone River is designated as a Class B River. As a result, catch and release fishing is considered an appropriate recreational activity. The Blackstone River provides habitat for a number of warm water fish species. These species include yellow perch, large-mouth bass, and pickerel.

##### *Wildlife*

Wildlife commonly found in Millville are consistent with species that are typically found in nearby Massachusetts communities. These species include: deer, pileated woodpeckers, fishers, woodcock, kestrels, bobolinks, eastern meadow larks, raccoons, pheasants, partridges, skunks, wild turkeys, fox, rabbit, woodchuck and a variety of fish species. Many of these species are at risk from and are negatively impacted by new development. If not planned correctly, new development has the potential to fragment wildlife corridors, making it difficult for animals to survive due to decreased connectivity and habitat area. Road construction has the potential to have a similar effect on wildlife populations. As mentioned previously, there are two plant species, Papillose Nut Sedge and Tall Nut-sedge that are of concern in Millville based on BioMap2. [Map 10: Biohabitat Map](#) shows habitat areas and corridors that should be considered when planning future development and conservation land in Millville. As shown in the map, there is core habitat area located in the north eastern portion of Town. It has also been noted that there is a large amount of forest cover in Millville. Future development ought to be planned in such a way that the forest cover is not exceedingly fragmented, thereby reducing the size of wildlife corridors. As shown in [Map 10](#) forested areas are located throughout Town, but are predominant south of Chestnut Hill Road and north of Route 122. [Map 9: Land Use Map](#) aids in identifying wildlife corridors as well. This map shows that the majority of developed land in Town is classified as low-density residential. Open space parcels in Town located in close proximity to more intensive land uses (i.e. commercial or industrial lands) may be at greater risk to limiting landscape connectivity. Major roadways, such as Route 122, are likely a limiting factor in determining the size of wildlife corridors and landscape connectivity as well.

Beavers and their dams were routinely brought up in conversations with the Open Space Committee. By damming streams, beavers create shallow ponds and wetlands. If the environment allows, beavers have

the potential to cause significant change to existing landscapes. While some of this change may allow for and facilitate new growth, it also has the potential to serve as a limiting factor and make it difficult for other wildlife to adapt to. [Section 4G](#) below outlines that flooding caused by beavers is a point of concern in Town. There are also two areas of critical natural landscape as defined by BioMap2 in Millville. These parcels are located on along Millville's borders abutting Blackstone, Uxbridge, and Mendon.

### ***Vernal Pools***

Vernal pools are small, seasonal wetlands that provide unique wildlife habitat. Primarily amphibians and invertebrate animals that use them to breed. BioMap2 reported one (1) NHESP certified vernal pool near the town center, located off Etsy Street. This is compared to approximately 34 potential vernal pools located throughout town. According to the Massachusetts Division of Fisheries and Wildlife (MassWildlife), a targeted approach towards vernal pool clusters is more effective than targeting individual pools because it maximizes the resistance and resilience of vernal pool habitats and their resident species in the context of climate change.

## **4F. SCENIC RESOURCES AND UNIQUE ENVIRONMENTS**

Millville has an abundance of scenic resources and unique environments. These include scenic landscapes, unique geological features, cultural sites, and historic areas. These areas all help contribute to and make up Millville's definable character. As depicted on [Map 5: Scenic Unique Features Map](#), there are a number of established, designated wetlands located in Millville. Wetlands are designated in light green shading. This Map identifies 19 unique features in Millville. These features range from the Blackstone River to Historic districts and parks. The majority of the locations identified on the map are located in the southern third of Millville. These locations tend to be easily accessed via Main Street and are relatively close to the Blackstone River, which provides Millville with a large amount of its historical legacy. Only four unique features are identified in the northern portion of Millville. These sites include the Millville Town Forest, the Alvins W. Irons Memorial Park and Wildlife Sanctuary, and an old baseball field known as The Oval. Map 5 also shows roads, open space parcels, wetlands, and trails in Millville. Unique feature 3 as identified on Map 5 is the Southern New England Trunkline Trail, or SNETT. This is the only trail that is formally identified in Map 5.

Important ecological areas in Town are depicted on [Map 10: Habitat Features Map](#), which shows that there is one Core Habitat area as defined by BioMap2. This area is located within an identified critical natural landscape. This critical natural landscape expands further north and south of the identified Core Habitat area along the eastern edge of Town. Additional critical natural landscape is shown to be present along the northwestern border of Millville. Map 10 also shows that there are numerous vernal pools spread throughout Town. However, the majority of these vernal pools are potential vernal pools. Only one vernal pool is certified. This vernal pool is located centrally in Millville just north of Lincoln Street near the Millville Elementary School. This map also identified wetlands in Town, which are located throughout Town in low-lying areas and in proximity to waterways. As indicated in other sections of this



report, a majority of Millville is classified as forest. Thus, a large portion of Map 10 is shaded to indicate presence of forest cover.

No major or unusual geologic features were identified through this community-planning process.



**Figure 14: Triad Bridge (L) and Blackstone Valley Greenway (R)**

Perhaps two of the more commonly used scenic resources in Millville are the Southern New England Trunkline Trail (SNETT) and the Blackstone River Greenway/Bikeway. The SNETT is a 22-mile long rail recreational trail that runs along a former railroad corridor that travels through Franklin, Bellingham, Blackstone, Millville, Uxbridge, and Douglas. SNETT parallels the Blackstone River on the south, with endpoints in Bellingham and Douglas. This rail trail follows the old railroad bed of the Boston and Hartford Railroad easterly to the Blackstone River from the parking area on the corner of Central and Hope Streets. This stretch was recently paved and currently functions as part of the newly opened Blackstone River Greenway Bike Path. The Blackstone River Greenway is planned as an off-road, paved, multi-use path following the Blackstone River between Worcester, and Providence. In Massachusetts, the project is being planned, designed, and constructed in seven segments from Rhode Island to Worcester. Segment one of the Blackstone River Greenway is the completed section of the SNETT that is currently operating in Blackstone, Millville, and Uxbridge.

### ***Historic and Cultural Landscapes***

The Town of Millville is defined by its rich history sense of community. There are a wide variety of culturally and historically significant locations in town, including three National Register Districts within the Town Center and along the Blackstone River corridor area. To date, there are 275 locations, structures, and/or points in Millville that are listed in the Massachusetts Registry of Historic Places. These features are primarily within the Blackstone Canal (1995), Central Street (2003), and Main Street (2006) National Register Districts, located along Main Street (Rt. 122), Central Street, Ironstone Street, West Street, Quaker Street, and others. The Blackstone Canal Districts contains substantial acreage on both sides of the river, which is municipally owned and includes remnants of the town's mills located at

181 Main Street. The complete listing of the town's inventory data from the Massachusetts Cultural Resource and Information System (MACRIS) is included in **Appendix D**.

The Millville Historical Commission has actively sought conservation of its historic features on an ongoing basis, including reuse of Longfellow School, transforming it into the Longfellow Municipal Center, as well as maintenance of the Chestnut Hill Meetinghouse, one of the earliest intact meetinghouses in Massachusetts. The Chestnut Hill Meetinghouse and its surrounding colonial-era graveyard were accepted to the National Register in 1984. A number of studies and surveys, especially during the 1990s, focused local and regional attention on the historic and natural resources of the Blackstone River Corridor and laid out solid plans for recreational development and landscape preservation. This work has been evidenced through projects such as establishment of the Blackstone River and Canal Heritage State Park, a 1,000 acre park located along the Blackstone River; repavement of the SNETT; and repair of the Triad Bridge over the Blackstone River and Providence and Worcester Railroad. There is a short side trail located between Central Street and the Triad Bridge that provides access to the Blackstone Canal's Millville Lock 21. As shown on Map 5, Millville's scenic and unique features are spread relatively broadly throughout Town. The scenic resources identified include:

- The Blackstone River
- Blackstone River and Canal Heritage State Park
- Southern New England Trunkline Trail (SNETT)
- Millville Town Forest
- Mansfield Pond
- Millville Canal Lock #21
- Triad Bridge
- Udor Tower Park
- Veterans Memorial Park
- Alvin W. Irons Memorial Park and Wildlife Sanctuary (Lyons Preserve)
- King Conservation Area
- Tucker Cove Conservation Area
- Chestnut Street Meeting House and Cemetery
- St. John Cemetery
- St. John Episcopal Church
- St. Augustine Catholic Church
- "The Oval" baseball field
- Canoe/boat launch
- Centennial Park

#### **Main Street Historic District (NR 2003)**

The Main Street Historic District, listed on the National Register of Historic Places in 2003, contains most of the residential zone that developed on the north side of the Blackstone River during the heyday of the U.S. Rubber Company factory in the late 19th and early 20th centuries. The district extends nearly the full length of Main Street within the village on its south side, along the flats of the river, and roughly the same distance along Lincoln Street/Chestnut Hill Road, which parallel Main Street farther up the hillside. Chestnut Hill Road leads from the village and district core in a northwesterly and upward direction

where it divides from the Uxbridge Road and heads north towards Chestnut Hill. The Main Street Historic District represents a significant concentration of historic resources within the larger community of Millville. The Chestnut Hill Meeting House and Cemetery was accepted into the National Registry of Historic Places in 1984. The property is located along this road about 1½ miles north of the village. Lincoln Street is the southern leg of this early route that connected Millville with Blackstone.

### **Central Street Historic District (NR 1995)**

The Central Street Historic District is a historic district encompassing a portion of the historic village center of town. Its spine is Central Street, the main north-south artery through the town, running from Main Street in the north to just south of Quaker Street in the south. The district includes adjoining properties on a number of side streets. The northern end is discontinuous with Millville's Main Street Historic District, on the north side of the Blackstone River, because of the demolition of historic buildings and alterations to the junction of Main and Central Streets. There is more of a commercial center south of the river, and as Central Street climbs the hillside above the river, the area becomes more residential. This last area was where the fashionable homes of Millville's wealthier residents were built. The oldest portions of the district are the remnant sites of the mills, which prompted the growth of the town. These were built on an island in the river, although later mills (none of which survive) were built on its northern and southern banks. The scenic and unique features within this district include the St. John Cemetery, Woonsocket Rubber Co. Office located at 181 Main Street, the Longfellow Municipal Center, and the "Oval" baseball field. While in operation, the U.S. Rubber Co. formed an employee baseball team. The Oval was the name of the baseball field that was used by the U.S. Rubber team to encourage teamwork and provide recreation prior to World War 1 and later in the 1920's for "industrial leagues" in the Valley. Underwritten by manufacturing companies, the industrial leagues began to disappear in the Great Depression in the 1930's and the Blackstone Valley League was officially disbanded in 1952. While overgrown, remnants of the Oval are still visible.

### **Blackstone Canal Historic District (NR 1995)**

The Blackstone Canal Historic District offers a snapshot of the Town's riverfront history, featuring numerous sites and remnants of its industrial past. This area captures many of the Town's historic charms including the Millville Lock #21, recognized as the best-preserved lock on the entire length of the Blackstone Canal. The lock is 9 feet 7 inches wide and 75 feet long. The east and west walls are about 12 feet above the water surface and consist of cut granite facing stones, typically 3 feet by 18 inches high. The masonry walls are backed by earth on the outside edge. The curved gatepost sockets at either end are intact, as well as the distinctive squared corners and sill of the upstream end, and the downstream fan wing walls. The Triad Bridge is the location where the Providence and Worcester and Grand Trunk and Boston & Hartford crisscrossed one another while boats passed below in the river. The area features a small 2.5-sq.mile island in mid-stream with mill ruins, which was written up in the original colonial deeds as "the mill place."<sup>7</sup> As early as 1727, Samuel Thompson's gristmill ground corn from the nearby farms. The water rushing by here soon powered and provided water for processing in many more mills:

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<sup>7</sup> Blackstone Heritage Corridor. <https://blackstoneheritagecorridor.org/wp-content/uploads/2016/02/Millville-Walking-Tour.pdf>

saw mills, “clothier’s mills,” an axe and scythe forge, small carding shops, and a fulling mill. The area was called The Mills, and then Millville Village. Esek Pitts built and ran an early woolen mill at Millville by 1814. Later, as a result of better transportation, Millville’s industry grew to include: The John Scott Mill, Lawrence Felting, Joseph “The Rubber King” Banigan’s rubber company, and machine shops. In addition to sites such as these, natural and artificial barriers, the Blackstone River and the Providence & Worcester Railroad, in particular, have served to distinguish this district from the rest of the village on the south side of the river.

Although there are many scenic and cultural landscapes in town, Millville has not formally adopted a Scenic Roads Bylaw to protect its scenic areas, and as a result there are currently no scenic roads established in Millville. The Scenic Roads Bylaw (MGL Chapter 40, Section 15C) is a land preservation tool that helps towns maintain and enhance its rural, small-town character by ensuring that work done to street trees and stone walls on the public right-of-way of scenic roads is done in a manner that helps preserve the scenic, historic and aesthetic characteristics of the public right-of-way. Vineyard Street is designated as a Scenic Road in Mendon and this presents as an opportunity to extend this designation into Millville if the town were to adopt the bylaw. Other opportunity areas include Chestnut Hill Road, Main Street (Rt. 122), and Hill Street. It is important that the town identifies and prioritizes corridors for Scenic Roads designation, taking into account wildlife, ecological, and cultural value of the area

#### 4G. ENVIRONMENTAL CHALLENGES

Millville’s industrial activity has left a legacy of environmental problems, particularly with regard to the abundant water resources in town. Many of the sources of point pollution have been identified and contained, but potential problems may continue to exist from new development, hazardous waste sites, erosion, and sedimentation that threaten ground and surface water. Millville’s historical legacy also has an impact on environmental quality. The soil’s retention of toxic materials from numerous processes at many locations will pose a threat well into the future.

Roadway construction, maintenance, and typical highway use are all potential sources of contamination. Accidents can lead to spills of gasoline and other potentially dangerous transported chemicals. Roadways are sometimes sites for illegal dumping of hazardous or other potentially harmful wastes. De-icing salt, automotive chemicals, and other debris on roads are picked up by storm water and washed into catch basins; impervious surfaces concentrate runoff and contaminants.

##### *Hazardous Waste and Brownfield Sites*

The Massachusetts Department of Environmental Protection currently lists 17 locations in Millville with varying levels of compliance status in its data base of “21E” sites (also known as “brownfields”). However, based on research conducted using the State’s online database, the majority of these sites are listed as either A1, A2, or B1, indicating that necessary levels of remediation have been conducted as necessary given specific site conditions.

Table 17: 21e Sites (Brownfields) in Millville				
Release Address	Compliance Status	Phase	RAO Class	Chemical Type
513 CHESTNUT HILL ROAD	UNCLASSIFIED			
HICKORY ROAD AND CHESTNUT HILL	PSNC			
60 CENTRAL STREET	PSNC			
111-139 MAIN STREET	PSNC			
19 PROVIDENCE ST	TIER1D			
KILLINEY WOOD RD	PSNC			Oil
32 CENTRAL STREET	RAO		A2	
190 CENTRAL ST	PSNC	PHASE II		Oil and Hazardous Material
122 BIRTHALET WAY	RAO		B1	Oil
196 MAIN ST	RAO		A2	Oil
31 HARKNESS RD	RAO	PHASE II	A2	Oil
56 MAIN ST	RAO		A2	Oil
72 KILLINEY WOODS	RAO		A1	Oil
5 HARKNESS ST	RAO		A1	Oil
238 MAIN ST	RAO		A1	Oil and Hazardous Material
LINCOLN ST	RAO		A1	Oil
117 KEMPTON RD	TIERI			Oil
<i>Source: EEA Waste Site &amp; Reportable Releases Results</i>				

### Landfills

There is an old, capped landfill located along Route 122 in close proximity to the Town of Blackstone. This landfill is no longer in operation. There are no other landfills in the Town of Millville.

### Environmental Equity

As stated in [Section 3](#), there are no environmental justice populations in Millville.

Open space in Millville is located throughout Town, and ownership of these parcels is depicted in Map 7. There is public open space that is protected in perpetuity along the border of Millville and Blackstone. This designated area is a part of the Blackstone River and Canal Heritage State Park. Additional permanently protected open space is located along Main Street at the Tucker Cover Conservation Area, and further north in Town at the Alvin W Irons Memorial Park and Wildlife Sanctuary (Iyons Preserve) and the Millville Town Forest, a 20-acre site located in the northeast section of town. In total, 87.85 acres of public land is permanently protected open space. Less than an acre of privately owned land is protected in perpetuity. This 0.81 acres is located in close proximity to the Blackstone River and Canal Heritage State Park. Saint John Cemetery, which abuts Rhode Island, is the one parcel of protected land

that is owned by a non-profit. This 2.35 acre parcel is held in limited protection. There are eight distinct areas of Chapter lands in Millville. Chapter 61 Forest Land and Chapter 61B Recreation land are represented in Town. There are no Chapter 61A lands in Town. Chapter 61 parcels are located on the eastern edge of Millville and in the northwest corner of Millville near the Southwick Zoo. Chapter 61B lands are located south of Chestnut Hill Road and between Main Street and the Millville Elementary School.

While these protected lands are present in Millville, they are largely disconnected and fragmented. Future acquisition of public or privately owned open space could be focused to increase connectivity and enhance wildlife corridors between lands depicted on the Open Space Map. Additional parks and passive recreation areas could be sited in the future in order to best serve young and aging populations in Millville.

### ***Erosion and Sedimentation***

Erosion and sedimentation can cause major environmental degradation. High levels of sediment can be damaging to health of proximal waterways, thereby limiting environmental and social benefits they may provide. If sediment is particularly high it can lead to upstream flooding events, which is likely to trigger increased rates of erosion. Sedimentation has the potential to result in eutrophication as well, leading to algae blooms and potential fish kills.

Like sedimentation, erosion has the potential to have large-scale negative impacts on the surrounding environment as well. Healthy vegetation can greatly reduce the risk of erosion. Land area in close proximity to Millville's rivers should be monitored regularly for signs of erosion and sedimentation. Currently, berms along the Blackstone Canal are reported as being in good condition. However, illegal dumping has been reported along sections.

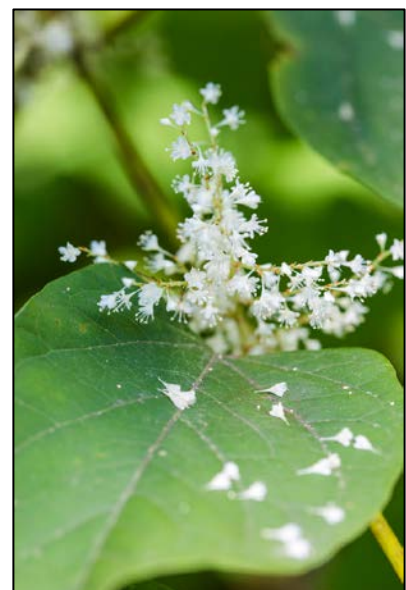
### ***Chronic Flooding***

Beavers have caused repeated flooding in Millville in recent years. An area located close to Chestnut Hill Road in Millville was noted as being an area that is prone to chronic flooding due largely to beavers. Future efforts should be taken in effort to reduce potential hazard from reoccurring flooding in this area.

### ***Invasive Species***

Invasive plants have the potential to degrade ecological integrity and biodiversity in the local environment. Open spaces in Millville are at risk to the continued spreading of the invasive plants listed below. This list is not inclusive of all invasive vegetation in Millville.

- Japanese Knotweed
- Asian Bittersweet



**Figure 15: Japanese Knotweed**  
(J.McMasters, Flickr, 2016)



- Multiflora Rose
- Japanese Barberry
- Kudzu

Gypsy Moths and Winter Moths have both been indicated as having a large impact on ecological health in Millville as well.

### ***New Development***

New development located on Thayer Street in Millville has the potential to degrade access and quality of existing open space and recreation areas. In order to be completed, this subdivision, known as Millville Estates, requires a full fire suppression system and water line. Furthermore, this project abuts the Elementary School playground and could impact the quality of recreation opportunities there during and after construction. Other open space and recreation areas in Millville are at less risk to development due to existing building conditions. Local knowledge points to the fact that there is a large amount of ledge in Millville's soils, which would make future development in select areas difficult.

### ***Ground and Surface Water Pollution***

Millville's primary environmental challenge is improving the water quality of the Blackstone River by reducing sedimentation, erosion, and nonpoint source pollution leading to impairment. Due to previous industry, the Blackstone River suffers from legacy pollution and has gained a reputation as being a significantly polluted river. Despite its reputation, the Blackstone River is classified as a Class B river, indicating that canoeing and kayaking, as well as catch-and-release fishing, are appropriate recreational activities. Swimming is discouraged throughout the length of the Blackstone. Based on water quality sampling, the portion of the Blackstone that passes through Millville is better quality than portions of the river upstream. This variance in water quality is likely due to inflow of cleaner water from the Mumford River.

In addition, the town and its partners continue to work with the Massachusetts Department of Environmental Protection (DEP) to address waters that the state has identified as polluted or impaired. If a water body is identified as impaired, a plan is developed to bring it back into compliance with the Massachusetts Water Quality Standards. Waters exhibiting impairment for one or more uses are placed in either Category 4 (impaired, but not requiring a total maximum daily load calculation (TMDL) or Category 5 (impaired, and requiring one or more TMDLs) according to the EPA guidance. Category 4 is further divided into three sub-categories – 4a, 4b and 4c – depending upon the reason that TMDLs are not needed. Category 4a includes waters for which the required TMDL(s) have already been completed and approved by the EPA. However, since MassDEP chooses to list each segment in only one category, waters that have an approved TMDL for some pollutants, but not others, remain in Category 5 until TMDLs are approved for all of the pollutants impairing those waters. Water bodies in Millville that were a Category 5 on the 2016 integrated list are shown in the table below. There were no Category 4 water bodies listed in Millville.

Millville is also at risk due to ongoing issues related to water contamination stemming from dumping in its neighboring Town of Uxbridge. The cause is a well-known dumping site located on Kempton Road in

Uxbridge, MA. Additional well heads in Millville are at risk of contamination from Rhode Island along Providence Street.

**Table 18: Category 5 “Waters requiring a TMDL” Water Bodies in Millville, 2016**

Water Body	Description	Length (Mi)	Impairment
Blackstone River	From outlet Rice City Pond Dam (NATID: MA00935), Uxbridge to the most downstream railroad trestle crossing, Millville.	9.1	Aquatic Plants (Macrophytes*) (Non-Native Aquatic Plants*) (Other flow regime alterations*) Aquatic Macroinvertebrate Bioassessments Cadmium Copper Escherichia coli Excess Algal Growth Lead Nutrient/Eutrophication Biological Indicators Phosphorus (Total) Polychlorinated biphenyls Taste and Odor Total Suspended Solids (TSS) Turbidity
Blackstone River	From the most downstream railroad trestle crossing, Millville to the Rhode Island border west of Route 122, Blackstone.	3.8	(Other flow regime alterations*) Cadmium Copper DDT in Fish Tissue Escherichia coli Lead PCB in Fish Tissue Phosphorus (Total) Total Suspended Solids (TSS)
Fox Brook	Headwaters, perennial portion, northeast of Thayer Street, Millville to mouth at confluence with the Blackstone River, Blackstone (excluding 0.1 mile through Crane Pond segment MA51030).	3.4	(Low flow alterations*) (Non-Native Aquatic Plants*) Aquatic Macroinvertebrate Bioassessments Escherichia coli Fecal Coliform Nutrient/Eutrophication Biological Indicators
Source: Mass DEP Year 2016 Integrated List of Waters: <a href="http://www.mass.gov/eea/docs/dep/water/resources/07v5/16ilwplst.pdf">http://www.mass.gov/eea/docs/dep/water/resources/07v5/16ilwplst.pdf</a>			

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

Open space helps protect the Town's water supply, manage flood waters, provide wildlife habitat, and offer opportunities for various recreational activities. Open space lands also help identify the Town as a rural community and provide a window into Millville's agrarian past. As vacant land continues to be developed, the remaining open lands become even more important to preserving Millville's scenic and natural landscapes. More than just an open field or an area of cleared land, "open space" in the context of open space and recreation planning includes conservation land, recreation and parkland, agricultural land, cemeteries, and any undeveloped land with conservation or recreation interests. Open space can serve a variety of purposes, including passive recreation, active recreation, wildlife habitat, and protection of wetlands or water resources. Lands or areas with scenic or historic value are also essential components of a community's public open spaces. During the 1996 Master Plan process, Millville residents identified open space and recreation lands as a critical aspect of the Town's landscape and a key contributor to quality of life in Town. Using these working definitions, approximately 13% percent of land or 481 acres in Millville can be considered "open space." Of those, 172 acres are considered public open space compared to 309 acres of privately-owned open space. Over 88 acres of land in Millville is protected in perpetuity as some form of open space, which is approximately 2% percent of all land in town.



**Figure 16: Blackstone River and Canal Heritage State Park Bike Path**

<b>Table 19: Millville Open Space Inventory Summary</b>	
<b>State</b>	50.93
<b>Municipal</b>	121.09
<b>Private</b>	3.16
<b>Chapter Lands</b>	306.08
<b>Total Open Space Lands</b>	<b>481.26</b>
<i>Source: MassGIS and Millville Assessor's Office</i>	

Open space and recreation planning is critical to help preserve open space while allowing development to occur that is consistent with the unique character of the Town. Central to the development of this plan is protecting the Town's open space lands and resources while enhancing

recreational opportunities and experiences for the community. This Section describes ownership, management agency, current use, condition, recreation potential, public access, and degree of protection for lands of conservation and recreation interest. This information is summarized and also depicted graphically on **Map 7: Open Space Inventory Map** in Appendix A. This map and the information referenced in this section was compiled using data from the Commonwealth of Massachusetts' Office of Geographic Information (MassGIS), as well as from data reported to CMRPC by the Town of Millville.

## DEFINITIONS

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### *Permanent Protection or Protection in Perpetuity*

These lands are legally protected in perpetuity and recorded as such in a deed or other official document. Land is considered protected in perpetuity if it is owned by the Town's conservation commission or, sometimes, by the water department; if a town has a conservation restriction on the property in perpetuity; if it is owned by one of the state's conservation agencies (thereby covered by article 97); if it is owned by a non-profit land trust; or if the Town received federal or state assistance for the purchase or improvement of the property. Private land is considered protected if it has a deed restriction in perpetuity, if an Agriculture Preservation Restriction has been placed on it, or a Conservation Restriction has been placed on it. Many permanently protected lands are protected by Article 97 of the State Constitution, which provides permanent protection for certain lands acquired for natural resources purposes. Parkland is protected under Article 97 as well. Removing the permanent protection status of such lands is extremely difficult, as is evidenced by the following steps:

- The municipal Conservation Commission or Parks and Recreation Committee must vote that the land in question is surplus to its needs.
- The removal of permanent protection status must be approved at a Town Meeting/City Council vote and pass by a two-thirds (2/3) vote.
- The municipality must file an Environmental Notification Form with the EOEEA's Massachusetts Environmental Policy Act (MEPA).
- The removal of permanent protection status must be approved by both the State House of Representatives and the State Senate and pass by a two-thirds (2/3) vote.
- In the case of land either acquired or developed with grant assistance from the EOEEA's Division of Conservation Services, the converted land must be replaced with land of equal monetary value and recreational or conservation utility.

### *Limited and Temporary Protection*

These lands include those legally protected for less than perpetuity (e.g. short term conservation restriction or Chapter 61 lands), or temporarily protected through an existing functional use. For example, some water district lands are only temporarily protected while water resource protection is their primary use. These lands could be developed for other uses at the end of their temporary protection or when their functional use is no longer necessary. These lands might be protected by a requirement of a majority municipal vote for any change in status. This designation also includes lands that are likely to remain open space for other reasons (e.g. cemeteries and municipal golf courses).

### *None or Unknown Protection*

Lands that are privately-owned and lands that could be sold without legal restriction at any time for another use (e.g. scout camps, private golf course, and private woodland) are considered to be totally unprotected. Parcels with unknown protections include those with unclear conservation values according to MassGIS records and require further investigation into property deeds.

## 5A. PRIVATE PARCELS

Privately-owned parcels described in this subsection include land with agricultural preservation restrictions or conservation restrictions, Chapter 61, 61A, and 61B land, and lands with no protections but of open space or conservation interest. For each parcel, the location, ownership, zoning, land use, land use description, size, grade or condition, management agency, recreation potential, public access, funding, and degree of protection are indicated. The condition of the privately owned properties is unknown except where the assessor has provided a grade or condition. The management agency is assumed to be the owner or their agent. The future recreational potential on the limited protection parcels is passive such as fishing, hunting, hiking, or natural resource appreciation. Private land is considered protected if it has a deed restriction in perpetuity, or if an agricultural preservation restriction (APR) or conservation restriction (CR) has been placed on the property.

### PERMANENT PROTECTION

Private entities own a significant amount of the open space lands in Millville. There are 266 acres of privately-owned open space compared to 172 acres of public open space. There is only one (1) parcel of private for-profit open space in town located within the Blackstone River and Canal Heritage State Park.

As shown in yellow on Figure 17, the parcel is a right-of-way (ROW) that connects two segments of the State-owned Blackstone River and Canal Heritage State Park in the southeastern corner of town. The site is setback less than 1 mile from Harkness Road (or the Massachusetts-Rhode Island state border). Roughly 0.8 acres in size, the site is permanently protected and has limited public access. The property is designated for recreation and conservation purposes and although it is privately-owned, the Department of Conservation and Recreation (DCR) holds a legal interest on the ROW.

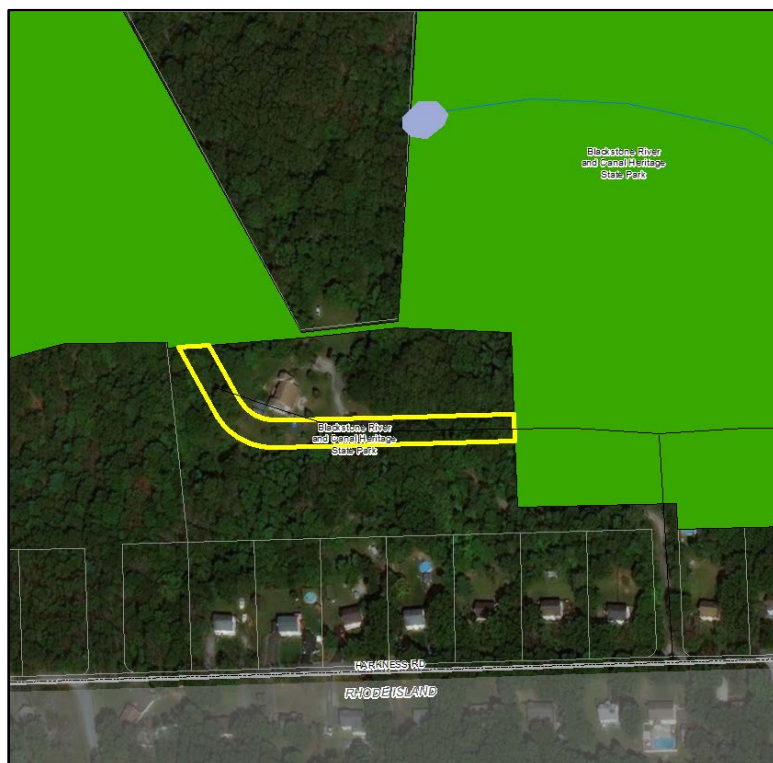


Figure 17: Private ROW in Blackstone River and Canal Heritage State Park



## ***Conservation Restriction***

A conservation restriction (CR) is a permanent deed restriction recorded with the Registry of Deeds that binds all current and future owners of the property placed under a CR. The conservation restriction (or easement) is a restriction to particular specified uses or from development. The restriction runs with the land and is recorded in a deed instrument. Conservation Restrictions can be placed on a parcel of land for a specified number of years or in perpetuity. This restriction identifies the property's important ecological features and the public benefit derived from preserving the natural condition of the land. This tool aims to retain the property in its natural state or in agricultural, farming, or forest use; to permit public recreation; or to restrict development activities.



**Figure 18: Wooded Trail**

The property owner retains ownership of the land and may sell or pass on the preserved land with all restrictions in place. Any title search of a property will reveal the existence of a CR and all future owners will be bound by it. Conservation restrictions, sometimes called development restrictions, must be granted voluntarily, however, the Conservation Commission and/or Planning Board can encourage this mechanism as a way of maintaining privately owned land in a natural state. When a landowner places a property under a CR, he or she has permanently protected that property and ensured that the CR last forever, legally known as “in perpetuity.”

The restrictions placed on the property through the CR allow the landowner to determine how the property will be used into the future. The CR allows the property owner to retain title, pass the property on to heirs or even sell the property. A landowner can determine which part(s) of their property would be restricted in the future by the easement. It is quite possible or even common, to withhold some land (i.e. 1-2 building lots for children) from the easement, and yet protect the remainder of the property from development (this is an example of conservation-based development). The details of what rights are restricted and what are permitted, and where these restrictions will apply, are worked out between the landowner and the holder of the easement when drafting the CR.

In addition to knowing the property will remain protected against development, the owner can derive tax benefits from the CR. These can include reduction of federal income taxes (if the CR is donated), reduction of estate or inheritance taxes, and possible deduction in real estate taxes. In addition to receiving tax benefits, the owner is strongly encouraged to allow public access to the conservation restriction. As a result, conservation restrictions provide additional opportunities for passive recreation. However, knowledge of existing conservation restrictions and certain allowable uses may be limited.



Therefore it is suggested that Millville work to promote and educate landowners on the benefits and potential allowable uses that may result from entering land into a conservation restriction.

Based on local community knowledge, the King Conservation Area, located in close proximity to the Millville Elementary School (see Map 7), has been approved by the Town to be a conservation area. However, the property deed has not yet been altered to indicate this transition in protection level to the Town-owned property. More detailed steps and recommendations on how the Town ought to proceed are referenced below.

### ***Agricultural Preservation Restriction***

The Agricultural Preservation Restriction (APR) program allows for farmland to be protected from future development. An APR is a specific type of Conservation Restriction that is administered by the Massachusetts Department of Agricultural Resource. The APR program pays farmers the difference between the "fair market value" and the "agricultural value" of their farmland in exchange for a permanent deed restriction, which precludes any use of the property that will have a negative impact on its agricultural viability.

Established by the Legislature in 1977, this program is the cornerstone of the Commonwealth's farmland protection efforts. This voluntary program is intended to offer a non-development alternative to farmland owners of "prime" and "state important" agricultural land who are faced with a decision regarding future use and disposition of their farms. To this end, the program offers to pay farmland owners the difference between the "fair market value" and the "agricultural value" of their farms in exchange for a permanent deed restriction which precludes any use of the property that will have a negative impact on its agricultural viability. The main objective of the APR program is to protect productive farmland through the purchase of deed restrictions and revitalize the agricultural industry by making land more affordable to farmers and their operations more financially secure.

Natural and cultural resource management is critical to the protection, restoration, and promotion of the scenic landscapes and historical treasures of a community. The Town of Millville currently does not have lands with either an officially recorded APR or CR. However, the King Conservation Area currently exists in a slightly gray area. This parcel has been approved for conservation by Town Meeting, but this change has not officially been made to the property's deed. It is recommended that the deed be changed to indicate the Town-approved level of protection for this land parcel. A formal process for the Town to pursue entering the King Conservation Area as a conservation restriction is outlined in more detail later in this section. As mentioned in Section 3, farmland in town was nearly constant between 1971 and 1985, dropping precipitously between 1985 and 2005. Cropland also decreased by 12.04 acres since 1971 or 80%, while pasture declined by 79.5 acres. Although the applicability of the APR in Millville may be limited, the CR program offers the town a unique opportunity to become more involved with land preservation activities, and town staff should work together with its residents and state organizations to highlight and protect them.

### *Chapter Lands*

Land in active and passive use is eligible for a reduced tax rate under Chapters 61, 61A, and 61B of the Massachusetts General Laws (M.G.L.), which are designations for lands that are used for forestry, agriculture, conservation or recreation, respectively. These lands include those legally protected for less than perpetuity (e.g. short term conservation restriction or Chapter 61 lands), or temporarily protected through an existing functional use. For example, some chapter lands may only be temporarily protected through their forestry use, while residential is their primary use. These lands could be developed for other uses at the end of their temporary protection or when their functional use is no longer necessary. These lands might be protected by a requirement of a majority municipal vote for any change in status. This designation also includes lands that are likely to remain open space for other reasons (e.g. cemeteries and municipal golf courses). The following describes the different Chapter Lands programs:

M.G.L. Chapter 61 is designed to keep forested land under productive forest management. Owners with more than 10 acres of forest are eligible for enrollment. They must submit a DCR-approved forest management plan and a management certificate to the Town assessor before a new tax classification can begin. The assessed value of land classified under Chapter 61 is reduced by 95%. Chapter 61 classifications run for ten-year periods.

M.G.L. Chapter 61A is most commonly applied to agricultural or horticultural land but can be used for the forested portions of a farm, provided a forest management plan is approved by DCR. To qualify for Chapter 61A, a farm owner must have five or more contiguous acres being used for agricultural or horticultural purposes. Property under Chapter 61A is assessed at rates that vary for different agricultural uses. Generally, classification will result in an 80% reduction in assessed value.

M.G.L. Chapter 61B is similar to 61A, but applies to lands designated for recreational use and containing at least five contiguous acres. The land must be retained in a natural state to preserve wildlife and natural resources, must be devoted primarily to recreational use, and must provide a public benefit. Recreational uses may include golfing, hiking, camping, nature study, shooting/target practice, hunting, and skiing. The assessed valuation of Chapter 61B land is reduced by approximately 75%.

Landowners who enroll their land in the program receive property tax reductions in exchange for a lien on their property. The terms of the lien require that enrolled land remain in an undeveloped state and be managed for forest production, agricultural production, or recreation. Furthermore, the lien provides the municipal government of the city/town in which the enrolled property is located a right of first refusal should the landowner put the land up for sale while it is enrolled in the program. The Town has the “right of first refusal” for purchase of the land within 120 days of notification by the property owners of the pending sale. Towns may assign their right of first refusal to a state agency or a nonprofit conservation organization, such as the MetaComet Land Trust. Towns often have trouble taking advantage of the right of first refusal because of the rapid timeframe within which the Town must find the money and approve the purchase. Landowners who develop their land while enrolled in the

program, or for a period of time after withdrawing from the program, may be required to pay penalties. These lands are considered to have limited or temporary protection because the owner can sell the property or choose to unenroll the property in the special taxation program and thus the open space public benefit goes away.

The Town's Right-of-First Refusal on Chapter 61 properties is an important conservation and recreation opportunity. Often, Chapter 61 lands have been owned by families for generations and are important places in Millville's history and character. The Town has a policy and a well-defined process for working with a Chapter 61 landowner who decides to divest the property. The Right-of-First Refusal process in Millville is handled by the Board of Selectmen who consult with other town boards per the policy.

Millville currently has eight parcels of land enrolled in the Chapter 61 program, totaling approximately 307 acres (see Table 20). These properties are also depicted in purple on [Map 7: Open Space Inventory Map](#). Of the eight total sites, three sites are designated for forestry (61), two sites are for recreational (61B), and the remaining three sites are designated as Mixed-Use Chapter Lands (forestry and recreational). Mixed Use refers to the parcel having part of land (at least 5 acres) designated as Chapter 61, 61A OR 61B in addition to having a residential, commercial or industrial use on the main property. These Chapter Land tracts are relatively large in size compared to the publicly-owned sites in town, ranging between 8 acres to 108 acres. Millville currently has no land classified under Chapter 61A, or agricultural or horticultural land. The town is heavily forested and forestland continues to be the largest land use category, spanning across 2,187 acres or 69% of the town. In contrast, farmland was nearly constant between 1971 and 1985, decreasing significantly between 1985 and 2005. Cropland and pasture also declined by 12.04 acres and 79.5 acres respectively since 1971.

As shown on [Map 7](#), these parcels are concentrated in certain sections of town. The two (2) properties located on Vineyard Street are adjacent to the Mendon town boundaries. The largest Chapter Land property covers nearly 109 acres and is located at 47 Vineyard Street, abutting Southwick's Zoo in Mendon. The properties located on Hill Street and Chestnut Hill Road are located along the Blackstone town boundaries. The majority of Chapter Land owners in Millville are nonresidents excluding the owners of 320 Chestnut Hill Road. The property at 320 Chestnut Hill Road is a Mixed-Use Chapter 61B (recreational) property that is about 60 acres in size, located across street from the Lyons Preserve. There are three Chapter 61B properties located south of the Elementary School, one of which abuts the school property on Etsy Street and two other properties on Lincoln Street. The uses of these properties in connection with the Elementary School are unknown.

**Table 20: Chapter Lands In Millville**

Location	Site Purpose	Acres*	Protection
22 Vineyard St	Chapter 61 - Forestry	22.92	Limited
132 Rear Hill St	Chapter 61 - Forestry	36.3	Limited
350 Chestnut Hill Rd	Chapter 61 - Forestry	35.89	Limited
63 Lincoln Street	Chapter 61B - Recreational	5.04	Limited
68 Lincoln Street	Chapter 61B - Recreational	29.27	Limited
47 Vineyard St	Mixed-Use/Chapter 61 Forestry	108.75	Limited
320 Chestnut Hill Rd	Mixed-Use/Chapter 61B Recreational	59.03	Limited
46 Etsy Street	Mixed-Use/Chapter 61B Recreational	8.88	Limited
<b>Total</b>		<b>306.08</b>	

Source: MassGIS and Town of Millville Assessor's Office.

\*Acreage is provided by Millville's Assessor's Office and NOT based on GIS calculations.

## 5B. PUBLIC AND NON-PROFIT PARCELS

This section provides information on public and non-profit owned lands of open space or recreation significance and identifies the location, ownership, managing agency, land use description, level of protection, public access, and acreage. And in the case of town-owned conservation and recreation properties, information is provided regarding managing agency, condition and recreation potential. For many parcels the condition is unknown. A more thorough assessment of condition is suggested as an action step for inclusion in future plans.

### PERMANENTLY PROTECTED

#### *Federal and State Lands*

Often the state or federal government will own land within a municipality as a State Park or State Forest or as a means to protect valuable or unique water supplies or habitat. Public lands owned by the Commonwealth of Massachusetts include small parcels of the Blackstone River and Canal Heritage State Park. This park is a unique recreation and conservation resource for the town, offering biking, canoe access, fishing, hunting, picnic areas and horseback riding opportunities. As shown in Table 21 below, the



**Figure 19: Millville Lock Sign at Blackstone State Park**

Department of Conservation and Recreation Division of Parks and Recreation owns roughly 50 acres of permanently-protected open space across 4 parcels in Millville. As shown on Map 7, these parcels are

located in the southern portion of town. These parcels vary in size, ranging from 0.16 acres to 47 acres. The two larger tracts located in the bottom right corner of town connect the permanently protected private right-of-way. The Blackstone River and Canal Heritage State Park is one of the most popular open space and recreation destinations in Millville. The Blackstone River stretches approximately 1.5 miles through town just below the town center and adjacent to the Southern New England Trunkline Trail. The Blackstone River features 1,000 acres of natural park, including numerous trails and historical sites and is used widely by residents and visitors.

<b>Table 21: State-Owned Open Space Lands in Millville</b>			
<b>Location</b>	<b>Owner</b>	<b>Parcel Size</b>	<b>Protection</b>
Blackstone River and Canal Heritage State Park	DCR - Parks and Recreation	0.16	Perpetuity
Blackstone River and Canal Heritage State Park	DCR - Parks and Recreation	0.64	Perpetuity
Blackstone River and Canal Heritage State Park	DCR - Parks and Recreation	47.53	Perpetuity
Blackstone River and Canal Heritage State Park	DCR - Parks and Recreation	2.60	Perpetuity
		<b>Total</b>	<b>50.93</b>

### ***Town-Owned Lands***

Land is considered protected in perpetuity if it is owned by the Town's Conservation Commission or, sometimes, by the water department; if a town has a conservation restriction on the property in perpetuity; if it is owned by one of the state's conservation agencies (thereby covered by Article 97); if it is owned by a non-profit land trust; or if the Town received federal or state assistance for the purchase or improvement of the property. Many permanently protected lands are protected by Article 97 of the State Constitution, which provides permanent protection for certain lands acquired for natural resources purposes. The Town of Millville owns 36 acres in 3 parcels of permanently protected land ranging in size from 2 acres to 20 acres (see Table 22). The Millville Conservation Commission manages approximately 36 acres of open-space land, which includes the Millville Town Forest, Alvin W Irons Memorial Park and Wildlife Sanctuary (Iyons Preserve), and the Tucker Cove Conservation Area. As shown on Map 7, The Town Forest and Iyons Preserve are located in the top section of town while the Tucker Cove Area is located along Rt. 122 towards the Douglas border. These lands are legally protected in perpetuity and recorded as such in a deed or other official document. The Old Town Hall Park is a 0.21-acre tract located at the corner of Main Street and Preston Street next to 168 Main Street at the currently disused Longfellow Municipal Center. According to MassGIS records, the site is permanently protected however the Conservation Commission does not manage it because it is owned and maintained by the town. However the site is currently not functional and the area presents an opportunity for redevelopment and landscaping. The King Conservation area and the Millville Elementary School Playground are the largest tracts of town-owned open space ranging between 40-41 acres, however both properties have limited or unknown protection levels.



**Table 22: Town-Owned Open Space Lands in Millville**

Location	Owner	Parcel Size	Protection
Millville Town Forest	Town of Millville ConCom	20.37	Perpetuity
Iyons Preserve/Alvin W. Irons Memorial Park and Wildlife Sanctuary	Town of Millville ConCom	13.87	Perpetuity
Tucker Cove Conservation Area	Town of Millville ConCom	2.67	Perpetuity
Old Town Hall Park	Town of Millville	0.21	Perpetuity
Millville Elementary School Playground	Town of Millville	41.75	Limited
Memorial Park	Town of Millville	0.77	Limited
Udor Tower Park	Town of Millville	0.62	Limited
Millville Tot Lot	Town of Millville	0.18	Unknown
King Conservation Area	Town of Millville	40.64	Unknown
<b>Total</b>		<b>121.09</b>	

The remaining two other town-owned properties include The Veterans Memorial Park located at 196 Main Street and the Udor Tower Park located at 8 Central Street, which are less than one acre each and have limited protections. The Veterans Memorial Park was completed in November 12, 1946, has been the site of numerous social, patriotic and cultural events in town, including celebrations of Millville's centennial in 2016. Appropriately, the initial event was the dedication ceremony held on Sunday, July 16, 1947. At that time, the Millville Honor Roll was dedicated on the Park grounds, displaying the names of all Millville men and women who served in World War II. The Veterans Memorial Park is located on the same property as the Fire Station. Standing at 25-feet tall, the historic Udor Tower was built around 1880 as a cistern for a wealthy resident's home, an example of state-of-the-art plumbing at the time. The odd stone tower is an “udor,” or Greek for water. There is a small playground next to the Police Station that was added around 1939 by the Works Progress Administration. Recent efforts made to preserve the tower were successful with a new roof installed in 2014.

**Figure 20: Memorial Park (L) and Udor Tower Park (R)**

## Non-Profit Lands

There is one parcel of non-profit open space located at 189 Central Street, the Saint John Cemetery. Nearly 2 acres in size, the Saint John Cemetery is positioned on the southern end of town along the Massachusetts-Rhode Island border. The cemetery has limited protections and the property is designated for historic/cultural purposes. The cemetery has limited protections and is privately owned by the Saint John Episcopal Church, located less than one mile away. Designated for historic/cultural purposes, the Saint John Cemetery is located within the boundaries of the Central Street Historic District. The Central Street Historic District is significant as a distinctive architectural and archeological area that represents the development of the industrial community from when the first grist mill was built on the Blackstone River in the early 18th century, to the era of the town's recovery from the closure of its mills in the mid-20th century.

## UNKNOWN PROTECTIONS

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According to the inventory data, there are also two (2) open space parcels with unknown or limited protection levels, which are considered unprotected. These sites include the King Conservation Area and the Millville Tot Lot, amounting to roughly 41 acres in size. It is recommended that the Town take formal steps to have the King Conservation Area legally recognized as a conservation area. Based on a review of *The Massachusetts Conservation Restriction Handbook*, there are nine (9) main planning steps that the Town must complete and submit to the Division of Conservation Services (DCS)<sup>8</sup>. These steps are outlined below:

1. Town of Millville submits draft conservation restriction to DCS Director that includes: the application form; plan of land; a field report filled out by the Conservation Commission; a USGS topographical map showing restricted area thereon and any proximal public or quasi-public land holdings; and municipal certification
2. The draft conservation restriction will undergo staff review. This review will include state review and inter-municipal review as appropriate
3. As needed, the draft conservation restriction will be modified based on review in step (2)
4. The updated draft is reviewed by counsel at the Executive Office of Energy and Environmental Affairs
5. If appropriate, the Secretary will give approval and sign the conservation restriction
6. At this point, the conservation restriction would be returned to the Town of Millville
7. The Town of Millville would formally record the Conservation Restriction
8. The Town of Millville would send notice of the registry, GIS data, and a copy of recorded instrument to the Director of Conservation Restriction Review Program
9. Finally, a copy of the recorded Conservation Restriction would be send to Millville's local Board of Assessors

While engaging in this process, this report also suggests that Millville contact MassGIS and the Office of Energy and Environmental Affairs to clarify protection status of the adjacent lots at the Millville Tot Lot.

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<sup>8</sup> Massachusetts Conservation Restriction Handbook, <http://atfiles.org/files/pdf/MAconsrestrict08.pdf>

**Table 23: Millville Open Space Lands Inventory by Ownership Type**

Owner	Level of Protection	Acres**	Notes
<b>State</b>			
DCR - Division of State Parks and Recreation	Perpetuity	50.93	Includes four (4) Blackstone River and Canal Heritage State Park parcels
<b>Total State</b>		<b>50.93</b>	
<b>Municipal</b>			
Town of Millville Conservation Commission	Perpetuity	37.13	Includes Tucker Cove Conservation Area, Town Forest, Memorial Park Wildlife Sanctuary (Lyons Preserve), and Old Town Hall Park
Town of Millville	Limited	43.14	Includes Millville Elementary School Playground, Memorial Park, and Udor Tower Park
Town of Millville	Unknown	40.82	Includes King Conservation Area and Millville Tot Lot
<b>Total Municipal</b>		<b>121.09</b>	
<b>Private</b>			
Under Conservation Restriction (CR)	Perpetuity	0	Millville currently has no land with CR holdings
Under Agricultural Preservation Restriction (APR)	Perpetuity	0	Millville currently has no land with APR holdings
Blackstone River and Canal Heritage State Park	Perpetuity	0.81	Privately-owned but DCR holds legal interest on ROW.
Cemetery	Limited	2.35	Saint John Cemetery
Chapter 61 (Forestry)	Limited	203.86	Includes Mixed-Use parcels. Millville currently has no land classified under Chapter 61A.
Chapter 61A (Agricultural/Horticultural)	Limited	0	
Chapter 61B (Recreational)	Limited	102.22	
<b>Total Chapter Lands</b>		<b>306.08</b>	
<b>Total Private</b>		<b>3.16</b>	
<b>Total Acres Protected in Perpetuity</b>		88.87	
<b>Total Acres with Limited Protection</b>		249.35	
<b>Total Acres with Unknown Protection**</b>		40.82	
<b>Total Acres of all Open Space Types</b>		<b>481.26</b>	
<i>Note: Ownership Types based on MassGIS Protected and Recreational Open Space data layer. (02/2017) ** Acreage provided by MassGIS calculations and Chapter Lands acreage provided by the Millville Assessor's Office. *Unknown Protection level parcels updated 12/7/17 via email correspondence with MassGIS.</i>			

## 5C. PARKS AND RECREATIONAL FACILITIES AND USAGE

Millville contains a rich diversity of cultural landscapes and destinations. These are evidenced through the preserved Millville Lock, the Triad Bridge, the Udon Tower Park, and the Woonsocket Rubber Co. Office on Main Street. These heritage landscapes reflect the strong history and character of Millville, creating a sense of community that resonates with many residents. In order to continue preserving these qualities, the town should promote to its residents more use of these sites for recreational purposes. The terms recreational open space or recreation refers to land used for active recreational purposes, such as the Southern New England Trunkline Trail (SNETT), athletic fields, or golf courses. Land used for active recreation does not qualify technically as open space because, for example, these parcels are often covered with paved surfaces such as that for tennis courts, basketball courts and parking lots. Active recreation includes those sports and activities that require the construction of specific recreation facilities such as soccer, baseball, basketball, tennis, hockey, and swimming (in a pool).

The SNETT is a 22-mile long rail recreational trail that runs along a former railroad corridor that travels through Franklin, Bellingham, Blackstone, Millville, Uxbridge, and Douglas. SNETT parallels the Blackstone River on the south, with endpoints in Bellingham and Douglas. This rail trail follows the old railroad bed of the Boston and Hartford Railroad easterly to the Blackstone River from the parking area on the corner of Central and Hope Streets. This stretch was recently paved and currently functions as part of the newly opened Blackstone River Greenway Bike Path.



**Figure 21: Rebuilt Bridge on SNETT**

The trail passes through Millville for about 2 miles and is designated for use by pedestrians, equestrians, or non-motorized vehicles. The trail is owned by the Massachusetts Department of Conservation and Recreation (DCR), and is approximately 22 miles in length. Nearly four miles of the SNETT in Blackstone, Millville, and Uxbridge, was improved by DCR in 2016 as a paved multi-use trail. This segment of the SNETT operates in part as the Blackstone River Greenway.

The Blackstone River Greenway is planned as an off-road, paved, multi-use path following the Blackstone River between Worcester, and Providence. In Massachusetts, the project is being planned, designed, and constructed in seven segments from Rhode Island to Worcester. Segment 1 of the Blackstone River Greenway is the completed section of the SNETT that is currently operating in Blackstone, Millville, and Uxbridge.



In Millville, the Blackstone River Greenway travels about 1.5 miles in an east-west direction, south of the Blackstone River, along the former rail bed. This section of the Greenway is the site of the former Millville Lock 21, and trail users cross the Blackstone River via the historic Triad Bridge, which was rehabilitated as part of the trail improvements completed by DCR. Parking is available in a lot at the corner of Central and Hope Streets. Safety enhancements at the Central Street crossing were completed as part of the overall trail improvements project.

Apart from the Blackstone River Greenway, there are no additional bicycle or pedestrian facilities that connect various areas within Millville or adjacent communities.



**Figure 22: Bike racks at Blackstone Greenway**

Passive recreation encompasses those activities that can be done in a natural setting with little or no facility development. These activities include hiking, biking, boating, swimming in a lake or pond, walking, and bird watching. For example, the Blackstone Heritage Corridor offers a walking tour of Millville where visitors can learn about the role that the Town of Millville played in the Blackstone River Valley during the Industrial Revolution. Visitors have the opportunity to explore the stone ruins of mill foundations, pieces of the old canal and lock structures, and sections of unused railroads and bridges in town. The Town also offers many athletic and recreational programs at local playing fields, playgrounds, and the school gymnasium. All of these municipal services and government functions must be staffed and have adequate and well-maintained public buildings and facilities from which to operate. However, due to budget constraints, services have been reduced and building maintenance is sometimes deferred.

Millville is part of the Blackstone-Millville Regional School District and has the Millville Elementary School (MES) within its borders, the community's only public school. Completed in 1992, the school



educates children from pre-kindergarten to all students in the district, while kindergarten through grade 5 serve predominantly Millville children. Located on 48 acres of Town-owned land, the 52,000 SF school is a major hub of community activity. Town Meeting is held in the auditorium and various recreational activities use the indoor gym and outdoor ballfields. Because MES is located near Esty Hill, a forested, non-residential area distant from the town center, nearly all students are dropped off or are bused to school on one of four routes. In recent years there has been some discussion of fully regionalizing the school, which would result in a larger enrollment and require transportation changes.

The Old Town Hall Park and the Millville Elementary School (MES) are two locations in town that contain play equipment. The Millville Elementary School Playground is the largest-sized property of all Town-owned lands, spanning across 41 acres. The Town Hall location is in the rear of the building adjacent to the Police Station and parking lot and contains basic slides, swings, and equipment suitable to PK-age children. The school's grounds include two ballfields. The athletic fields and pavement areas are used at the school for recess when weather is appropriate. Located along the southern wall of the school, the playground is not very visible from the main driveway because it is obstructed by a portion of the school. Starting in 2012, the Millville Elementary School Parents Association (MESPA) led a push to provide an additional playground for older children, MES then being one of the only elementary schools in the region without such a facility. One of the issues with locating a larger playground at the school is that it is located at the end of a long road with little traffic except associated with school hours. The location is also not easily reached by walking, and distance to public safety responders as well as lack of visibility are items of concern. The town may be better served by a centrally located playground near the village center to enable residents to walk to the playground and access local shops and the bike path. The Town formed a committee to guide the playground effort, which culminated in construction of the first phase in September of 2017, using mainly volunteer labor and donated equipment.



**Figure 23: MES Basketball Court and Athletic Field**



**Figure 24: Before (L) and After (R) Playground Upgrades at MES**

In June 2018, the Town completed the construction upgrades at the elementary school playground and renamed the facility as the “Vinacco Memorial Playground” in memory of Providence Fire Dept. Captain Joseph D. Vinacco. Upgraded equipment included new slides, swings, safety improvements, and additional play equipment. The playground was finished with immense volunteer support from all community members and is located on Town land adjacent to the school.

Completed in 2007, the Senior Center is Millville's most recent new-build facility. The 3,200 SF building is in good condition and has a great deal of programming flexibility through space dividers. It contains a large meeting space, a commercial kitchen, and limited office space. While relatively new, the Center's basic maintenance needs (new paint, etc.) are growing as it completes its first decade in service. Upgrades were recently made to exterior lighting. Services to the town's seniors include crafts, exercise classes, line dancing, chorus, card games, and weekly lunches. Monthly services include bingo, a club luncheon, and SHINE health insurance services. Van service is available for transportation to the Center and other locations (medical appointments, etc.). The Center is used quite heavily, with almost 180 unduplicated seniors participating in programs during FY 2016, and another 30-50 non-seniors served through social service programs and informal assistance. During FY16 total attendance was nearly 4,400 visits and volunteers devoted more than 1,300 hours of their time. The Senior Center is open three days per week for six hours a day, with a full-time director, three part-time van drivers, a part-time custodian and a number of desk volunteers. Although the facility is generally well-regarded, there is some concern about the lack of private counseling space. Likewise, as the senior demographic continues to grow, there is some fear that the limited staffing and hours of operation will be an impediment to provision of services.

The Millville Lock 21 is the most preserved lock of 48 locks along the meandering Blackstone River. Located just downstream from the town's center, the Millville Lock is a featured site of the Blackstone River Valley National Heritage Corridor. The large stones that make the Lock were put in place when the Blackstone Canal was being built during the late 1820s. The Lock served as a point where water levels could be controlled for the passage of barges along the canal. The site is owned by the Commonwealth and managed by DCR. There have been discussions to develop the site into a park and trail but currently there is no access except via a small pedestrian walkway.

As noted earlier, the Triad Bridge is the three-tier railroad crossing of the Blackstone River. The bridge is an attraction, itself representing one of the few examples of a triple crossing of railroad bridges ever contemplated. During the late 1800s, conceptual plans were made so that while boats were passing below, three railroad lines, the Providence & Worcester, the Boston & Hartford, and the Grand Trunk, would intersect and form a tri-level bridge. While currently unpassable, the bridge is structurally sound and requires re-decking and some minor repairs. If fully rehabilitated, the bridge would serve multi-use purposes and recreational opportunities associated with the SNETT trail and nearby protected open space properties.

Located farther downstream of the north riverbank lies a 2.6-acre parcel of open land, historically referred to as “the Oval” originally a baseball field constructed by the U.S. Rubber Company for its employee team. The diamond, though overgrown, is still visible, surrounded by chain link fence and a high backstop behind home plate. Some portion of the field is surfaced in coal dust, which has kept it from totally reverting to grassland. The field was used, within recent memory, for local games and as a Little League field. As shown on Map 5 item #17, the parcel lies between the town’s U.S. Rubber land at 181 Main Street and an apparent right-of-way, Washington Street, from Main Street to the site of the Old Red Bridge across the Blackstone (no longer extant). This privately-owned parcel of land, although not individually inventoried, is included within the Main Street National Register Historic District. The field is a marker of the town’s identity, serving as a reflection of mill workers in the Blackstone Valley from 1905 to the Depression. Baseball played an integral part of everyday life for textile mill workers. The owners first formed company baseball teams to encourage teamwork and provide recreation for their employees prior to World War I, and the activity later evolved into a community entertainment. During the 1920s the “industrial leagues” became a major recreational focus of Valley towns such as Douglas, Northbridge, Hopedale and Millville. Although the site is privately owned, it has been vacant for many decades and still holds value. It is recommended that the town seek agreement with the owner upgrade and maintain the property, and allow public access for the community’s use. If redeveloped and landscaped, this parcel of land presents a recreational opportunity for residents and visitors.

Other recreational opportunities are present nearby the Millville-Blackstone border. As shown on Map 5 #19, there is a canoe/boat launch off Route 122 that intersects with the SNETT. This area provides visitors with direct access to the Millville Lock 21 and the Triad Bridge via the River itself. The Blackstone River through Millville is classified as flatwater to Class III and contains stretches that are suitable for leisurely canoeing as well as providing challenges for the more experienced canoeists. However many survey respondents indicated they were unaware that this site was available in town. As a potential attraction for other canoeing enthusiasts and visitors, it is recommended that the town increase visibility and awareness of this site through outreach and coordination with other departments.

In 2017, the town sought application of a FY18 Parkland Acquisitions and Renovations for Communities (PARC) Grant for the development of a public park for recreational activity. The proposed Centennial Commemorative Park is located at 4 Lincoln Street and 200 Main Street, nearby the Veterans Memorial Park (see Map 5 #19). Due to the site’s historically blighted conditions, the property was identified as a

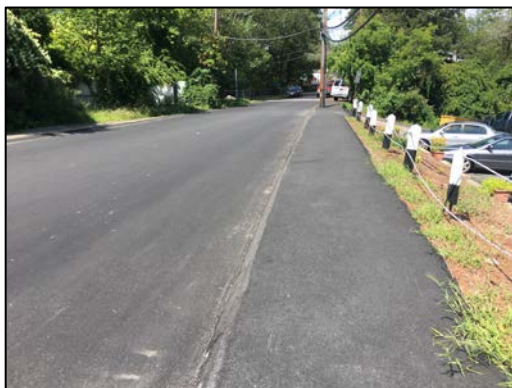
high priority land acquisition in the Town Center. The appraisal work indicates that the property has a very low estimated value and is only suitable for municipal use, such as a historical park to complement the character of Millville's Village Center. However because the OSRP was not completed prior to the submittal of the grant application, the proposal was not awarded. The Town intends to submit a FY19 application for the proposed Centennial Commemorative Park.

### ***Complete Streets***

In many communities, the Complete Streets planning approach has succeeded in improving bicycling and pedestrian accommodations as well as encouraging mobility options for those who may not drive, or those who may drive, but choose to bike or walk instead. Complete Streets aims to design and improve streets that provide safer, comfortable, and more accessible means of transportation for everyone. MassDOT created the Complete Streets Funding Program in February 2016 as a mechanism to provide technical assistance and project funding to communities to incorporate the Complete Streets approach into local roadways. Through the program, communities are eligible for technical assistance once a Complete Streets policy is adopted by the municipality (Tier 1), then the community must complete a Complete Streets Prioritization Plan (Tier 2) in order to be eligible for project construction funding (Tier 3).

The Millville Board of Selectmen endorsed the Town's Complete Streets Policy in December 2016, with an effective date of January 1, 2017. The policy was approved by MassDOT in January 2017. As of August 2017, Millville has completed the Complete Streets Project Prioritization Plan (Tier 2) in the funding program. The full list of needs and projects prioritized in the plan is available through the MassDOT Complete Streets web portal. The first five projects (listed by ranking) from the project prioritization plan include:

- Central Street Improvements (MassWorks project) from Ironstone Street to Providence Street
- Central Street Sidewalk Connection from Providence Street to Rhode Island border
- Ironstone Street and West Street Intersection Improvements including sidewalk connection and reconstruction
- Providence Street and West Harkness Road Sidewalk Connection from Tina Road to Central Street
- Ironstone Street Sidewalk from Central Street to West Street



**Figure 25: Ironstone Street**



**Figure 26: Central Street**



As noted earlier, Millville residents essentially rely on their automobiles for transportation. Sidewalk availability is limited along the main roadways, and bicycle accommodations on roadways are non-existent. Primarily, sidewalks in Millville are located within the Town Center, and are in either fair or poor condition. These sidewalks provide access to destinations between the Library, Police and Fire departments, and Central Street. However outside of the Town Center, sidewalk availability is limited, and pedestrians in outlying areas of town would be forced to walk on roadways mixed with traffic, creating safety hazards for both pedestrians and vehicles. Millville's successful completion of MassDOT's Complete Streets Policy and Prioritization Plan is one step in the right direction towards improving these disconnections and walkability issues. As construction continues, the town should ensure that the sidewalk improvements and construction projects establish a more connected pedestrian network that links to its recreational resources and numerous cultural sites. Long range planning is needed to incorporate the bicycle pathway systems and walking trails that were shown as a priority to respondents in the community survey. Once completed, the sidewalks and crosswalks improvements will provide residents with greater, safer accessibility to these destinations. Accordingly, it is recommended that the town explore the Complete Streets Safe Routes to School program to ensure that these improvements are consistent with the pedestrian network around the Elementary School for student and pedestrian walkability.

As with many other communities, funding and availability of personnel are the top two needs relative to open space and recreation management in Millville. Maintenance costs of park equipment should also be taken into consideration. While school budgets may be able to absorb regular maintenance of a playground, it would require constructing the playground on school property. Construction of a new playground or expansion of the existing playground would require municipal budget support and/or fundraising efforts. Depending on whether Town Hall is renovated or a new facility is constructed, there may be an opportunity to construct a larger municipal playground closer to the street that is more visible and is a centerpiece for the community. Additionally, the Town Planner is currently employed on a part-time basis. Like many smaller towns, the Town of Millville would benefit from more residents getting involved on a local board or committee or committing to a local initiative.

## SECTION 6: COMMUNITY VISION

### *Open Space and Recreation Committee Vision*

A long-term community vision, as presented in an updated Master Plan will help guide the town's strategic decisions. Each immediate decision made by any Town Board or Commission should fit in to the plan to reach the overall goal. The 2018 Open Space and Recreation Plan implementation strategy outlines steps that allow the Town to preserve the very best of Millville and check those actions that would diminish it as a special place.

The Committee would like to see the Town move away from discussions that pit growth against preservation, and instead focus on improving quality of life and protecting natural resources while also



encouraging responsible growth. Open space needs to be recognized as enriching and not impeding growth and development. This Plan is an effort to hold on to the best of Millville, while responding to the pressures in a rapidly changing world; and ensuring public health and safety decisions are made in a fiscally-sound manner. Millville is facing a critical crossroads. The Town needs to determine how to respond to development pressure, while also protecting watersheds that maintain clean and ample drinking water for our community. The Committee intends to work to promote a future that balances public health and safety, fiscal stability, and a managed development program. The Open Space and Recreation Committee believes that the majority of residents want to preserve these aspects of life in Millville, as well as retain and expand its unique community character.

## 6A. DESCRIPTION OF PROCESS

Public input was sought over a one and a half year period to guide the development of this plan. The Open Space and Recreation Plan Committee was appointed in August 2017 and the first meeting was held in November 2017. The Committee met nine times from November 2017 to June 2018 during the plan's development, review and approval. The Committee worked closely with CMRPC on the development, distribution and collection of the surveys, facilitated the community forum, and reviewed and commented on all draft content. The OSRP Committee also took the lead in designing and creating promotional materials including event flyers and postcards to gauge resident interest. Most importantly, the OSRP Committee synthesized the wealth of information in the context of their collective experience and developed a set of goals, objectives and action steps as outlined below in [Sections 6B](#) and [Section 8](#).

As mentioned in previous sections, the Committee distributed two different surveys in order to foster the most community input as possible. Both surveys were made available online via Survey Monkey and through hard copies posted at the Town Hall located at 280 Main Street, the Millville Senior Center at 40 Prospect Street, and the Millville Public Library at 169 Main Street. The first survey was mailed to all resident households through the Town's tax bill in December 2017 and was "closed" on February 5, 2018. The short survey asked a total of eight open-ended questions to gauge what items residents considered to be priorities regarding open space and recreation opportunities in Town. The survey asked residents what they valued the most about the town's landscapes and natural spaces, their uses of these areas, as well as concerns and challenges they have experienced or what they have heard from other community members. The survey also asked residents about their ideas for new directions or improvements they would like to see occur in town. In total, 41 responses were collected. The short survey form is included in Appendix B and the results of the initial survey are discussed in [Section 7](#).



**Figure 27: Open Space Public Forum on April 12, 2018**



**Figure 28: Public Forum Flyer**

After the first survey was closed, the results were analyzed for review and discussion at a Committee meeting. The Committee then developed and administered an extended second survey to assess the needs and concerns of citizens regarding open space and recreation issues, opportunities and needs. The survey was adapted from successful surveys used by other communities in their open space and recreation planning processes, and tailored specifically to Millville. The second survey included 12 questions related to the overall town character, open space preservation, recreation, utilization of sources, and access and connectivity. The second survey was available from February 26, 2018 to April 30, 2018. The survey was intended to be closed on March 30, 2018 however the Committee members felt it was important to leave the survey available for an extended period of time to be promoted at various community events, allowing for a higher response rate. The Committee publicized the survey through postcard mailings to residents, a press release to the local newspapers (i.e. Woonsocket Call), via local social media pages, and through the Town's website. Committee members also made targeted invites to their respective network contacts. The survey "closed" on April 30, 2018 with 110 respondents, or approximately 3.4% of the total town population. The resulting information was then integrated into an action plan for implementation. The survey results can be found in the Appendix C of the plan. The resulting information was then integrated into an Action Plan (Section 9) for implementation.

The Committee publicized and organized a Public Forum at the Millville Town Hall on the evening of April 12, 2018 to discuss the draft plan, the draft survey results, draft goals, objectives, and action plan. Approximately 5 people attended the forum. As noted earlier, low attendance is likely attributed to other conflicting events occurring in town such as school vacation week. The Public Forum provided residents with an opportunity to meet with the OSRP Committee and to reflect on open space and recreation priorities in Millville. During this forum, participants were asked to identify important natural resources, open spaces, recreation areas, and cultural landmarks in Millville and then identify associated issues, conflicts, or opportunities. Based on this conversation, participants then identified their open

space and recreational needs or desires for the community. The final exercise involved the reviewing draft goals and objectives including potential actions. The participants' comments were reviewed and incorporated into this plan. Additionally, due to the low turnout of the public event, the Town Administrator felt it was important to provide a project update and share the draft content with the Board of Selectmen during a regularly scheduled Board meeting on June 18, 2018, which was televised on Cable Access TV.

## 6B. STATEMENT OF OPEN SPACE AND RECREATION GOALS

This plan is the first Open Space and Recreation Plan in the Town of Millville. Therefore, the overall goal of this plan is to set a roadmap for future work that will enhance recreation opportunities, ecological connectivity, and make Millville a more vibrant place to live, work, and play in. The Town will continue to work together with its partners to acquire and preserve important natural and cultural features as they relate to livability in Millville. The theme of the 2018 Millville Open Space and Recreation Plan is preservation, recreation and connectivity. The Town will continue to work with its community members and State organizations to acquire and preserve important natural and cultural resources. Additional recreational facilities are needed to support the needs of the growing local population, and new facilities as well as the rehabilitation of existing facilities is proposed. A desire for better connectivity between existing and proposed open space resources will start to establish a greenway system in Town with linkages to neighboring communities. As needed, the Town will look to constructing new or rehabilitating existing recreational infrastructure to support its residents. Goals were developed to accomplish this vision.

- Protected land for open space, farming, forestry, habitat, and water supply
- Long-term protection of surface and groundwater resources
- Increased awareness of and improved access to open space and recreation resources
- Expanded opportunities for passive and active recreation

## SECTION 7: ANALYSIS OF NEEDS

This section presents resource protection needs, community needs, and management needs that were collected through an examination of the data and trends presented in previous sections, surveys, the community forum, and input from Town staff. The majority of the analysis presented below has been drawn from the public outreach surveys that the Open Space and Recreation Committee distributed over the course of the planning and research process. Analysis has also been included from insight gained during the Public Forum held on April 12, 2018 at Millville Town Hall. It is noted that needs identified for residents younger than 19 years old are limited due to the ages of survey respondents and those who attended the Public Forum.

## 7A. SUMMARY OF RESOURCE PROTECTION NEEDS

The Town of Millville offers a number of outdoor recreation opportunities to its residents and those who may choose to travel to Millville to experience its unique features. Examples of these outdoor areas include but are not limited to the Millville Town Forest, Mansfield Pond, and the Blackstone River Greenway. This group of outdoor recreation facilities and open space parcels provide the Town with a variety of locations to engage in active and passive recreation.

The public process attempted to piece together key aspects areas of resource protection that residents view as being important to Millville. Resource protection is based upon the need to preserve existing natural and cultural resources that are finite in quantity and otherwise irreplaceable. Examples of these resources include wetlands, rivers, streams, aquifers, farmland, historical resources, and scenic views. Three primary resource protection needs identified include the preservation of open spaces for water supply protection, open space for habitat protection, and preservation of farmlands and agricultural land. Survey results indicate that residents would also like to see a general increase in the up keep and presentation of existing open space properties as well as increased walking, hiking, and biking opportunities.

### *Preservation and Protection of Open Space*

Many survey respondents linked the reasons that they choose to live in Millville to its small town feel and general safety. There are just shy of 440 acres of total open space in Millville. While development in Millville has been limited in recent years, the potential for future development in Town necessitates the need to identify strategies to maintain adequate amounts of open space for ecological and recreation needs. The Town Zoning Bylaws include Open Space Residential Development provisions (§ 100-701). As indicated in the zoning text, this bylaw is in effect “to allow for greater flexibility and creativity in the design of residential components; to facilitate the permanent protection of open space, agricultural land, and natural, historic, and scenic resources; to maintain the Town's traditional character and land use pattern in which small villages contrast with open land; to encourage a more economical and efficient form of development that is less sprawling, consumes less open land, does not tax community services unduly, respects a site's physical characteristics and minimizes the total amount of disturbance on the site; and to protect scenic vistas along the Town's roadways and from other places.” Working together with other town staff and committees the Millville Planning Board should continue to review this bylaw and work to promote its implementation in Town to increase dedicated open space and connectivity as appropriate.

Similarly, Town staff and boards should make efforts to conduct outreach to promote state programs such as Agricultural Preservation Restrictions and Chapter Programs. A further objective of preserving farmland through programs such as APR is to ensure the community has land available to grow its own food should food security become an issue and to make available local products to encourage healthy eating. Food security and obesity prevention are also priorities of the state and federal government and they have invested resources in these areas. In addition to identifying new development's potential to

engage in OSRD, existing farmland and conservation areas that might include a historic resource should be evaluated to consider entering into a permanent protection program, such as an APR or conservation restriction. Taking the next step to adopt the Community Preservation Act (CPA) would offer additional funding opportunities for Town identified recreation projects or open space acquisition.

Support for the adopting a Community Preservation Act, which imposes a surcharge on property tax bills to raise money for local projects in open space, historic preservation and affordable housing, was generally favorable. Nearly one-third of survey respondents were strongly in favor of having a CPA in place. Additional responses also indicated that a desire to learn more about the program before formalizing their opinion as to whether or not the Town should consider adopting a CPA. Again, this is an item that Town boards and committees can work to educate residents on in anticipation of potential adoption should it seem favorable.

As indicated in the Habitat Map, there are tracts of land designated as by BioMap2 as being Critical Natural Landscape. Future efforts to increase open space preservation in Millville would benefit from focusing on these areas, which generally are located on the eastern and northwestern portions of Town. Protecting these habitats and landscapes has benefits that extend past the Town of Millville as well. The two areas identified on the Habitats Map indicate that these Critical Natural Landscapes abut neighboring Towns and likely extend further past Millville's Town lines. These corridors provide natural linkages, serving as important land tracts for both humans and wildlife. Critical Natural Landscape in Millville measures 7,157 acres and is composed of aquatic buffer, wetland core buffer, and landscape block. In effort to preserve the ecological integrity of the bioregion by preserving existing and enhancing overall diversity, these corridors should be protected as best possible. Should future development be sited in these areas it could risk decreasing the size and overall connectivity of these important landscapes. As indicated by survey results, Millville's close proximity to waterways provides additional recreation opportunities. However it also presents a variety of resource protection needs as they relate to nonpoint source pollution and erosion and sedimentation.

## 7B. SUMMARY OF COMMUNITY'S NEEDS

Regional and statewide open space and recreation needs were also considered through this planning process. The Massachusetts Statewide Comprehensive Outdoor Recreation Plan (SCORP) served as the basis of this analysis. The SCORP seeks to address available recreational services throughout the Commonwealth and identify potential gaps in access, services, and needs accommodated. Much like this town-specific OSRP, the SCORP relies heavily on public input in order to develop actionable goals and objectives. The goals identified in the 2017 SCORP include:

1. Providing access for underserved populations
2. Supporting the statewide trails initiative
3. Increasing the availability of water-based recreation
4. Supporting the creation and renovation of neighborhood parks



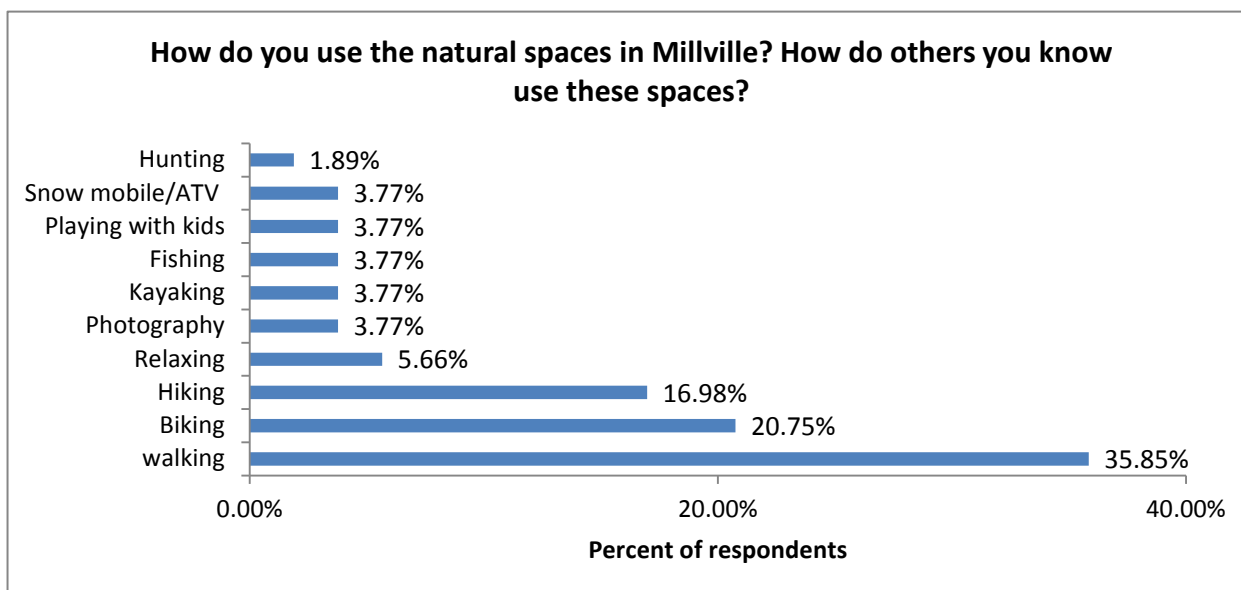
These guiding goals are reflected in part in the action items identified for Millville later in this document. For a complete list of this plan’s goals and objectives see Section 9.

Millville’s plan attempts to use public input to assess how these four goals might be incorporated into its future work related to open space and recreation facilities. Multiple outreach efforts were conducted to collect input on the needs and demands for open space and recreation opportunities in the Town of Millville. The Town’s Open Space and Recreation Committee met regularly to discuss needs as they related to open space and recreation facilities and to develop draft goals in effort to lay out a road map for future planning efforts in Millville. The Town was able to effectively advertise its outreach efforts via the Town webpage and posting board, social media, word of mouth, and via local news outlets such as the Woonsocket Call. By actively seeking to engage the public in this important planning process, Millville was able to collect a significant amount of data for analysis. This analysis is presented in the following section.

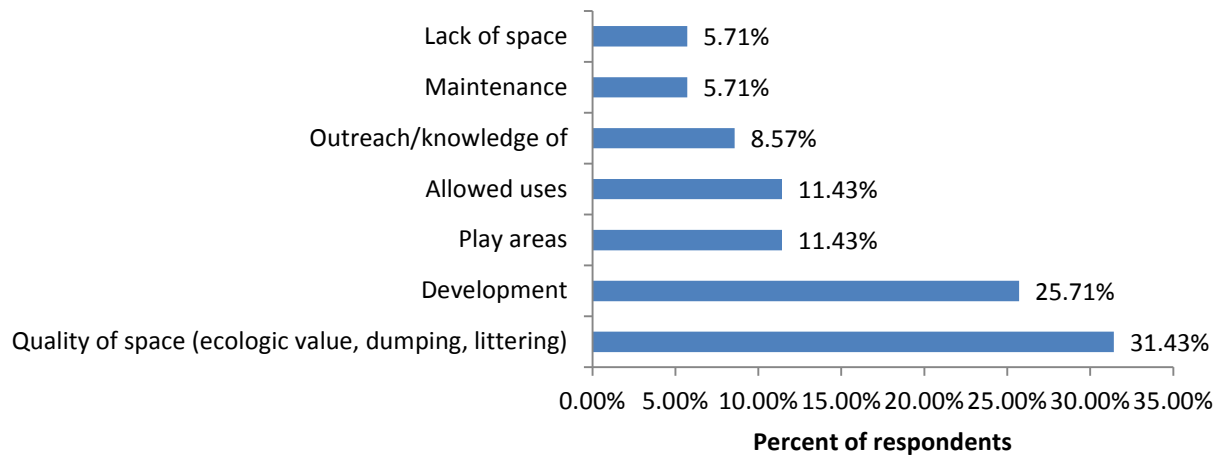
Two surveys were distributed in attempt to analyze the community’s needs as they relate to open space and recreation facilities. The first survey, which asked residents open-ended questions, was distributed to residents via their tax bills. This opportunity provided an effective way to launch an initial survey and engage residents on topics related to open space and recreation opportunities in Millville. Forty-one responses were collected from this survey. Qualitative survey results were then coded using inductive coding methods. This initial survey asked residents general questions related to:

- What they value most about Millville’s landscape and natural spaces,
- How they use natural spaces in Millville,
- What the most difficult challenges facing Millville related to natural spaces are, and
- What new directions or improvements they would like to see Millville take related to natural spaces and recreation areas

Overall, residents indicated that they tend to use natural and open spaces in Millville for walking, biking and hiking.



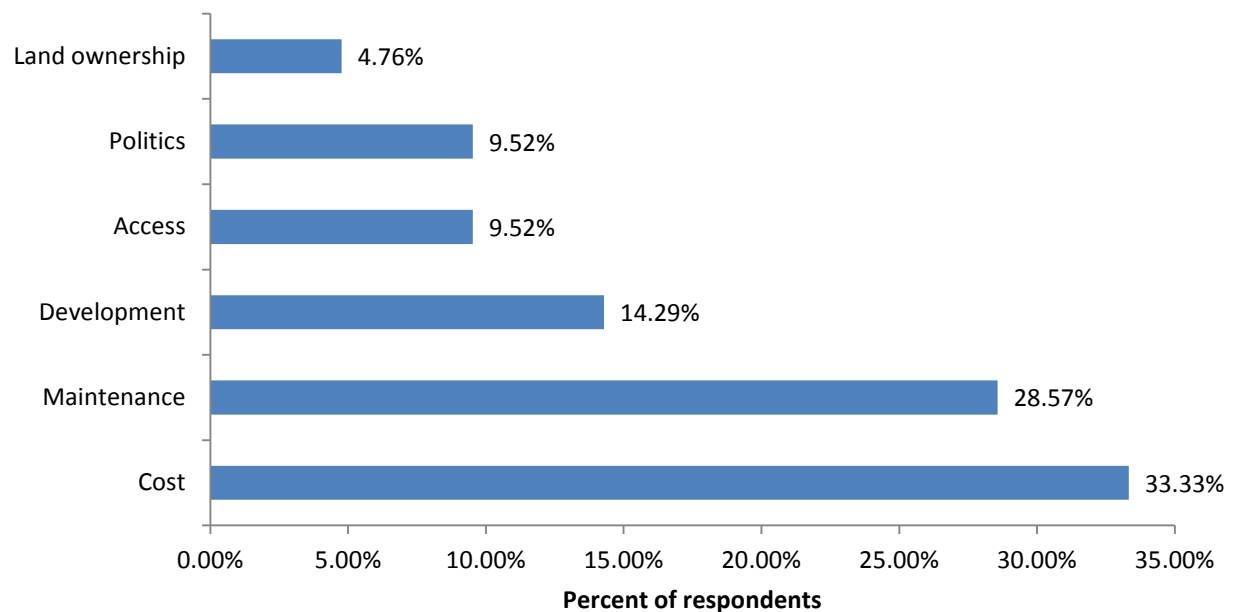
### What concerns you about Millville's natural spaces and recreation areas?



These responses corresponded well with the answers collected when residents were asked what they value most about Millville's natural landscape and open spaces. In response to this question, residents pointed to the nearby bike path, waterways, and trails as being some of the factors they value the most. When asked about what concerns they have, nearly one third of respondents (31.42%) indicated that the overall quality of open space was of primary concern. A quarter of respondents (25.7%) viewed development as being a primary concern related to open space and recreation areas in Town.

When asked to consider what the most difficult challenges are facing Millville related to open spaces, respondents tended to point towards cost (33.33%) and general maintenance (28.57%).

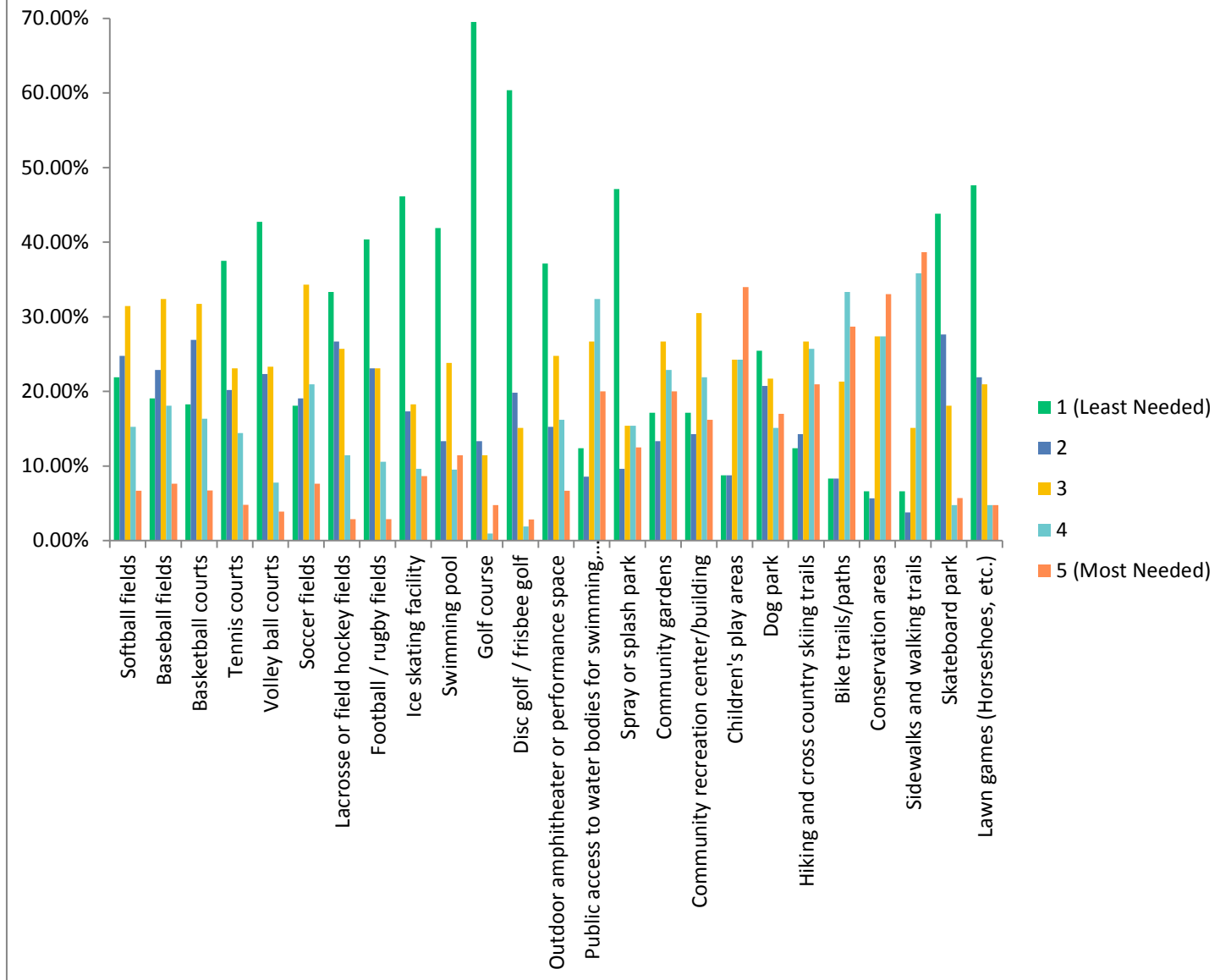
### What are the most difficult challenges facing Millville related to natural spaces? What do people disagree about when discussing these topics?



A second, more detailed survey was distributed using hard copies as well as an online link. Hard copy surveys were made available at prominent places in Town. Hard copies were also distributed at various Town events such as a Town Election on April 2, 2018. The survey was open and collected responses from February 26, 2018 until April 30, 2018. 110 responses were collected during this second survey. Survey respondents tended to be female (50.65%), between 36 and 45 years old (29.49%), and had lived in Millville for more than ten years (71.43%). The top three reasons respondents indicated that influence their decision to live in Millville include: its small town character (48.15%), neighborhood safety (47.62%), and low crime and vandalism (43.52%). Accessibility to forest, water, and other natural spaces also rated fairly highly on major reasons influencing residents' decisions to live in Millville (16.82%). However, recreational opportunities ranked very low on this list, with only 4.72% of respondents indicating that this was "very influential" towards their decision. A slightly higher percentage (14.15%) indicated that available recreational opportunities were "influential" to their decision.

When asked what the most needed recreational facilities are in Town many residents agreed that the Town would benefit from increased sidewalks and walking trails (38.68%). This theme continued as residents also indicated that bike trails and paths (28.7%) and hiking and cross country skiing trails (20.95%) are highly needed (28.7%). A third of survey respondents indicated that conservation areas are the most needed recreational facility in town (33.02%), while another third pointed to children's play areas as being the most needed recreational facility (33.98%). In general, these findings were consistent with those collected from the first survey described above. Sports fields and a community recreation center/building, both of which would likely be used largely by younger populations such as teenagers were not identified as being most needed facilities. While these facilities were not ranked as being most needed, they were identified as being somewhat needed additions to the community. These areas would allow for increased active recreation for teenagers.

Rank the most needed recreational facilities in order of importance.  
(1 = not needed at all; 5 as most important or needed. Check only only one per row.)



When asked what types of spaces are most important to preserve, respondents indicated that open space for water supply protection (60.75%), open space for habitat protection (49.07%), and spaces for passive recreation (46.23%) are all very important to preserve. Responses showed that a slightly lower percent (30.32%) believe that spaces for active recreation are very important to preserve, showing that respondents might favor passive over active forms of recreation. To further support this, 40.82% of respondents indicated that they would not support using Town funding to increase athletic fields and facilities. In comparison, 29.17% of respondents would strongly support increasing open space to

protect water resources and a similar 28.57% would strongly support using Town funding to improve and or expand sidewalks.

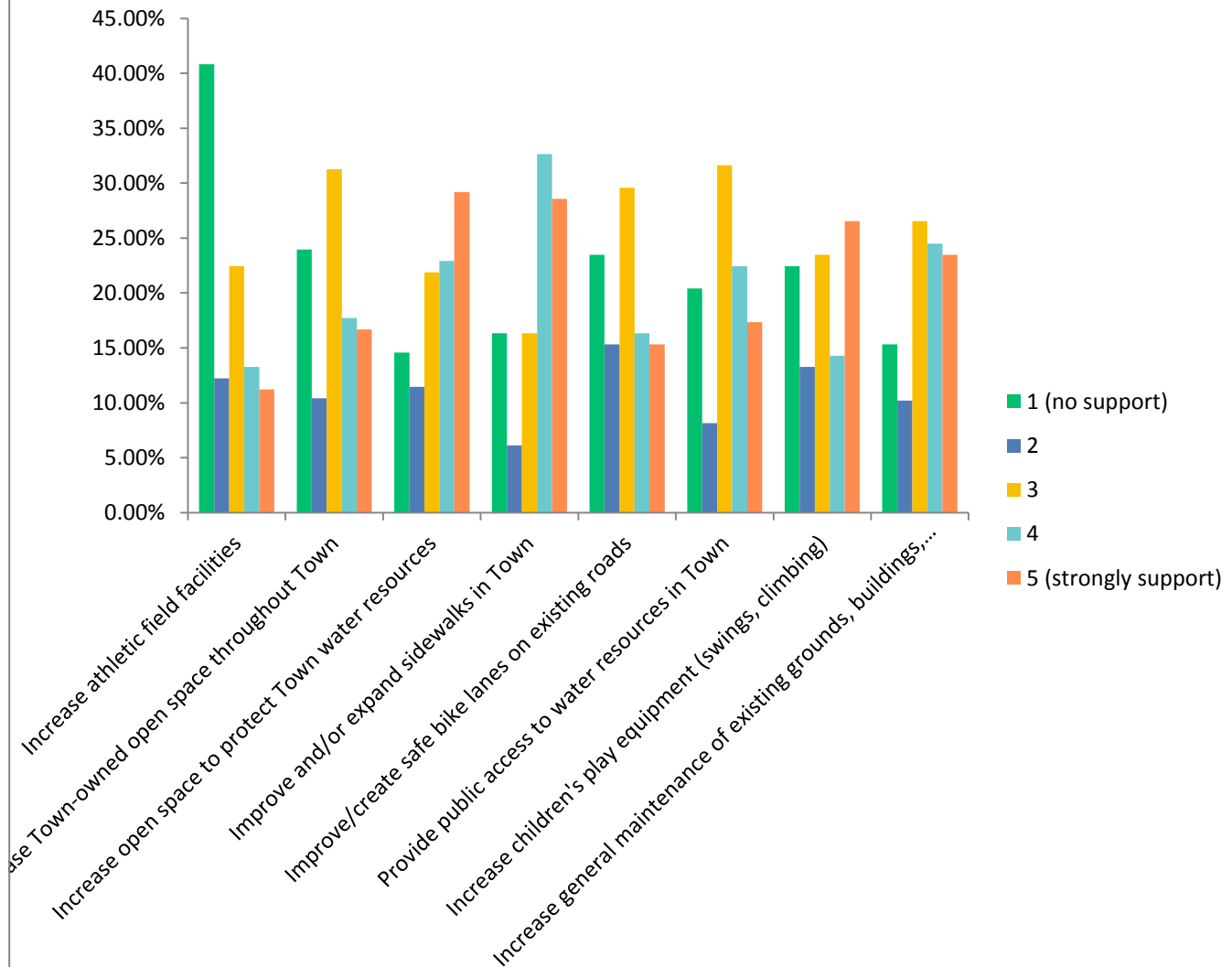
Pulling on local knowledge from the Open Space and Recreation Committee, the survey was developed to include a question that listed twenty-one unique outdoor recreation sites in Millville. Survey respondents were asked to rank whether or not they travelled in season to these sites almost daily, weekly, monthly, six to ten times per year, or one to five times per year. Answer choices were also available to indicate whether or not they knew about the location but do not travel there or if they did not know about a particular location at all. The most popular location as shown by the survey results is the Blackstone River Greenway/Bike Path (12.04% visiting almost daily and 27.78% visiting weekly). This finding is consistent with previously discussed results which showed that residents tend to engage in walking and hiking and would like additional infrastructure and areas to allow for increased use. The Blackstone River and Canal Heritage State Park, which provides additional walking opportunities, ranked fairly high as well, with 14.95% of respondents reporting visiting weekly.

There is a clear desire for increased walking and hiking opportunities, including sidewalks as well as trails. It is noted that trail connections do exist already within Uxbridge's five-square miles. Increased outreach and education campaigns could be used to make residents more aware of these existing opportunities. When asked on the second survey to identify open space and recreation facilities that they use regularly, many respondents indicated that they did not know about particular areas and opportunities. This fact further illustrates that an active outreach campaign to advertise existing locations could be effective.

There are also a number of areas that could be saved as open space corridors within the town and corridors with adjacent communities. These corridors, be they for wildlife or for people, are the natural links that are most vulnerable to development in Millville, and they need to be protected to help conserve the integrity of the bioregion, to conserve biological diversity and to provide natural pathways for quality recreation experiences. As development in Millville occurs, these potential corridors will quickly decrease in size.



Please indicate whether you would support TOWN FUNDING for the following objectives if grant money were not available. Check one box per row. (1 = no support; 5 = strongly support)



As discussed in Section 3, Millville’s population is steadily changing and is experiencing a growth in older residents including seniors. Different segments of the population have different recreation needs and desires. Growth or decline in the population of the various age groups has implications for recreation facilities and activities as well as municipal services. Younger and school aged residents have a need for more active recreation facilities such as soccer and baseball fields. For middle-aged residents, active recreation areas for league sports may be needed as well as passive recreation facilities for activities like hiking and picnicking with the family. For the older generations, passive recreation facilities and special

provisions like wheelchair accessibility may be needed. Housing options for these residents should also be considered in addition to examining programs that allow older residents to stay in their homes with nearby passive recreation opportunities. Very limited housing stock suitable for young adults, as well as seniors, has been built and available housing may be older and in need of repairs. In sum, these age trends taken with the increase in the Town's total population will create additional pressures for the provision of open space and recreation facilities.

## 7C. MANAGEMENT NEEDS, POTENTIAL CHANGE OF USE

Like many small towns, funding and available staff time are likely the two most limiting factors related to open space and recreation needs in Millville. The actionable goals included in this plan will require high levels involvement from staff, board members, and volunteers. The Town should continue to work to recruit dedicated, passionate citizens to its boards to serve these important roles. In addition to recruiting new volunteers, the Open Space and Recreation Committee must remain active. Should the Open Space and Recreation Committee lapse and meet irregularly, the Town risks failing to meet any number of goals and objectives. The Town should actively seek to work with various land trusts and watershed associations as well as it seeks to improve the integrity of open space in Millville.

With limited municipal funding available, it is informative for the Town to identify alternative ways in which future work related to open space and recreation might be funded. Several questions included in the survey sought to gauge residents' interest in supporting select programs that may provide additional funding opportunities which could lead to upgrades to existing parcels or potentially acquiring new parcels for conservation or recreation purposes. While these responses to these questions are not indicative of whether or not there would be town-wide support for select items, they do provide initial insight as to whether or not the town might be successful in pursuing anyone option.

When asked whether or not they would support adopting the Community Preservation Act nearly one third (32.29%) indicated they would strongly support this initiative. Close to one quarter of responses (22.92%) showed they would support this option, too. Responses also indicated that there is support for developing a requirement for all new residential developments to include conservation/open space areas. 40.4% of respondents indicated that they would strongly support adding this regulation to new residential development in town. It is noted that Millville adopted an Open Space Residential Development (OSRD) Bylaw in 2009. The Town also showed support for zoning practices that would provide for increases in density in existing developed areas, thereby allowing for open space in less developed areas remain as such.

The survey also asked residents to rank their support for the Town of Millville to incentivize landowners to enter into Chapter 61, Chapter 61A, or Chapter 61B agreements to preserve additional land parcels. Survey responses indicate that overall there is support for these programs, with 35.42% reporting to be strongly in favor of Chapter 61; 30.61% strongly in favor of Chapter 61A; and 31.63% strongly in favor of Chapter 61B. Similar support was shown for additional conservation restrictions and Agricultural Preservations in Town. 29.17% reported being strongly in favor of supporting conservation restrictions, and 24.74% strongly in favor of Agricultural Preservations in Millville.

Results from the Public Forum on April 12 indicated that Town residents would like to see certain areas beautified, include benches, and offer places for Millville residents to congregate outdoors. The forum also illustrated that there is a strong value in Town that is placed on being able to travel to recreation areas by foot. Several residents indicated that they would like to see streets and land from their youth be cared for now in a similar manner as it was when they were younger. Examples included walking trails lined with grapevines and nearby cranberry bogs with proximal walking areas. These findings are in line with answers generated from the survey, which indicated a desire and need for increased walking trails and community gardens (20%). It is noted that those who attended the Public Forum were all older in age and are not demographically representative of the Town as a whole. The Public Forum held on April 12, 2018 allowed another opportunity for residents to provide feedback and discuss open space and recreation opportunities in Town. However, attendance was relatively low at this forum. For this reason data and comments from the Public Forum are included in this analysis but are not discussed as prominently as data from the second survey described above.

## SECTION 8: GOALS AND OBJECTIVES

As outlined in Section 6 the following eight (8) overarching goals were developed for open space and recreation activities in the Town of Millville. These goals can be described as outcome statements that define what the Town is trying to accomplish both programmatically and organizationally.

The plan also clearly describes objectives that help to define actionable steps to meet each goal. The goals and objectives are presented below. Section 9 provides additional detail via the Seven Year Action Plan.

### **GOAL 1: Protect critical parcels of land for conservation and passive recreation**

- Identify those natural, built and historic elements that contribute to the character of the town and develop preservation strategies
- Determine where land preservation should be targeted to enhance the town's character taking into consideration watershed protection, potential trail systems, wildlife habitat protection, contiguous land parcels, publically important viewsapes, and historic sites
- Create a strategic prioritization plan for preserving certain key parcels within the Route 122 corridor
- Collect data on potential use of deed restrictions, easements and other creative and cost effective methods of land preservation
- Locate land that the town could take for unpaid taxes
- Consider bylaws to help with open space preservation and recreation facilities creation

### **GOAL 2: Identify priority open space parcels for permanent protection and/or future acquisition in order to establish a wider, more connected open space network**

- Locate properties that may be appropriate for town use and will enhance maintaining Millville's rural character
- Work cooperatively with the Metacomet Land Trust to permanently protect open space and engage in other conservation land projects
- Facilitate agreements with developers to preserve open space and protect corridors for wildlife movement in order to maintain connections between green spaces and developments
  - *Ensure that open space conservation is considered thoughtfully during zoning, subdivision and the site planning processes*
  - *As appropriate, require developments to dedicate open space that is unified, logical and contributes to the overall open space network*
- Identify key privately-owned open space parcels (including those with limited public access) and seek change in ownership to allow for increased recreational opportunities for residents
- Purchase lands that are withdrawn from Chapter 61, 61A, or 61B through the process of first right of refusal, then place a permanent restriction on them to maintain their existing use
- Formally change in ownership of the Town-owned lands to the Conservation Commission

**GOAL 3: Provide and maintain active and passive recreation opportunities to meet the diverse needs of Millville's population**

- Determine what the needs are at all the town open space parcels and recreational facilities
- Organize volunteer efforts to maintain these areas
- Identify key priority recreation areas in need of upgrade, repair, or maintenance
- Increase opportunities for passive recreation such as community gardens, walking trails, sightseeing, and additional park benches throughout town
  - Work with the Historic Commission and Cultural Council to develop and incorporate signage with historical information at local parks
- Increase opportunities for active recreation for youth through additional ballfields, hiking and biking opportunities on selected trails, and upgraded playgrounds
- Work with the schools and various local groups to coordinate summer recreational programs

**GOAL 4: Increase access to waterfront resources through enhancement, protection, and promotion of Millville's water resources (i.e. wetlands, river, ponds, and aquifers)**

- Identify areas of contamination and pollution loads in order to preserve and protect water supplies
- Reduce non-native and invasive plants from waterways and prevent road runoff, farm waste and other toxins from entering waterways or wetlands
- Secure additional protection for groundwater resources
- Take measures to improve the quality of surface waters for recreational activities
- Support regional efforts to improve and maintain the quality of the Blackstone River in order to maximize its use
- Protect critical wetland areas
- Preserve scenic views
- Enhance and preserve the natural surroundings/environment of the Riverfront area through the use of sustainable practices and standards.
- Develop opportunities and methods for increasing public access along the Blackstone River.
- Plan for riverfront parks and trails
- Develop active recreational opportunities along the riverfront area.
- Encourage partnerships with those municipalities that share the Riverfront area
- Investigate the ownership status of the kayak/canoe area off Route 122/Blackstone River Corridor and coordinate public access to allow for increased resident activity



**GOAL 5: Promote the development and maintenance of trails and trail linkages, including a connected pedestrian network for active mobility**

- Identify existing and potential trail networks and pursue development of them
- Enhance Millville's natural environment by taking advantage of local and regional linkages of open space in the creation of greenways along the Blackstone River and other water bodies as appropriate
- Maintain communication with neighboring towns to identify potential trails which could cross town borders
- Increase visibility and public access to conservation lands as appropriate through signage that reinforces public ownership
- Expand and promote eco-tourism opportunities, including hiking, canoeing/kayaking, walking, and biking
- Engage with MassDOT's Complete Streets program to identify gaps within the road network and identify priority areas for sidewalk and bike lane development

**GOAL 6: Maximize use of available funding through grants, state matching funds, or other programs for land purchase, resource preservation and protection, and repair or maintenance of existing facilities**

- Investigate possibility for state matching funds
- Explore possibility of town adopting the Community Preservation Act (CPA) and seek application of the CPA to facilitate protection of conservation lands
- Seek application of the Parkland Acquisitions and Renovations for Communities (PARC) grant to allow the development of a new public outdoor recreation facility or park
- Seek application of the Local Acquisitions for Natural Diversity (LAND) grant to provide additional passive recreational opportunities
- Seek application of the 604(b) Water Quality Management Grant to preserve the quality of the Blackstone River and other water resources
- Become involved with regional and neighboring organizations dedicated to municipal stormwater management in order to ensure long-term protection resources and systems
  - Join the Central Massachusetts Regional Stormwater Coalition to explore shared tools to expand and address our stormwater management practices and surface water resources
  - Consider joining nearby watershed association groups to identify municipal role in protection and restoration of the Blackstone River

**GOAL 7: Increase educational awareness among residents of the range of the Town's open space and recreational assets as well as related opportunities**

- Create and maintain an Open Space & Recreation Committee webpage on the town website to publish information and resources, and share opportunities for involvement
- Create promotional and informational handouts or maps of all public conservation and recreation areas to increase awareness of available open space and recreation resources (i.e. public parks, trails and trail heads, boat landings, uses, and entry points.)
- Increase understanding of State-aid programs and local regulations and bylaws amongst community members
  - Consider the benefits of the Community Preservation Act (CPA) and other funding sources in regards to land acquisition through tax title takings
  - Consider the benefits of Conservation Restriction (CR) and Agricultural Preservation Restriction (APR) programs as tools to permanently protect important natural and cultural areas
  - Encourage the use of Chapter 61, 61A , and 61B to maintain lands identified as priority conservation parcels
  - Educate the public about the Scenic Roads Bylaw and the environmental impacts on local open space and natural resources
- Create stewardship programs for conservation and forest lands
- Develop and organize a volunteer network by involving residents, businesses, students, and non-profit organizations to maintain sites and promote benefits

**GOAL 8: Establish a permanently standing Open Space and Recreation Committee to steer implementation activities and review goals progress**

- Employ a full-time Town Planner or Administrative Assistant to maintain day-to-day operations and communications among their other roles and responsibilities
- Promote the efficient management and maintenance of the open space and recreation areas
- Promote the importance of open space preservation for passive recreation, habitat protection, and water supply protection
- Coordinate the exchange of information between town boards
- Coordinate implementation activities and public education efforts with other town boards and committees to ensure greater community involvement and progress towards goals
  - Work with the Conservation Commission and the Parks and Recreation Commission on maintenance or preservation strategies for existing resources and facilities
  - Support the efforts of the Conservation Commission in efforts to monitor water quality in the Blackstone River and other water bodies to determine which are in need of cleanup or protection
  - Work with the Historic Commission and Cultural Council to ensure preservation of historical and cultural assets
  - Coordinate with local events, school activities or other board/committee meetings to set up an informational booth and disseminate information or maps describing open space acquisitions to date

## SECTION 9: SEVEN-YEAR ACTION PLAN

Abbreviations for Responsible Entities: Board of Selectmen (BOS), Open Space Committee (OSC), Conservation Commission (ConCom), Planning Board (PB), Historical Commission (HC), Board of Health (BOH), Cultural Council (CC), Parks and Recreation Commission (PRC), Board of Assessors (BA), Cable Access Committee (CAC), Central Massachusetts Regional Planning Commission (CMRPCM), Metacomet Lands Trust. The “lead” entity is listed first under responsible entities.

Goal One: Protect critical parcels of land for conservation and passive recreation	Responsible Entities	Resources	Timeline / Priority
Identify those natural, built and historic elements that contribute to the character of the town and develop preservation strategies	OSC, ConCom, CC, HC	Volunteer time, staff time	Years 1 - 2
Determine where land preservation should be targeted to enhance the town’s character taking into consideration watershed protection, potential trail systems, wildlife habitat protection, contiguous land parcels, publically important viewsapes, and historic sites	OSC, ConCom, CC, HC, PRC, Metacomet Land Trust	Volunteer time, staff time	Years 1 - 3
Create a strategic prioritization plan for preserving certain key parcels within the Route 122 corridor	BOS, PB, ConCom, CMRPC	Staff time, volunteer time	Years 1 - 7
Collect data on potential use of deed restrictions, easements and other creative and cost effective methods of land preservation	BA, PB	Staff time	Years 1 - 7
Locate land that the town could take for unpaid taxes	BA, BOS, OSC	Staff time	Years 1 - 3
Consider bylaws to help with open space preservation and recreation facilities creation	PB, ConCom, BOS, CMRPC	Staff time	Years 1 - 7

<b>Goal Two: Identify priority open space parcels for permanent protection and/or future acquisition in order to establish a wider, more connected open space network</b>	<b>Responsible Entities</b>	<b>Resources</b>	<b>Timeline / Priority</b>
Locate properties that may be appropriate for town use and will enhance maintaining Millville's rural character	BOS, BA, CC	Volunteer time, staff time	Years 1 - 3
Work cooperatively with the Metacomet Land Trust to permanently protect open space and engage in other conservation land projects	PB, BOS, ConCom, Metacomet Land Trust, OSC	Volunteer time, staff time	Years 4 - 7
Facilitate agreements with developers to preserve open space and protect corridors for wildlife movement in order to maintain connections between green spaces and developments	PB, ConCom	Staff time	Years 1 - 3
Identify key privately-owned open space parcels (including those with limited public access) and seek change in ownership to allow for increased recreational opportunities for residents	BA, BOS, PB, ConCom	Volunteer time, staff time	Years 1 - 3
Purchase lands that are withdrawn from Chapter 61, 61A, or 61B through the process of first right of refusal, then place a permanent restriction on them to maintain their existing use	BA, BOS, PB OSC	Staff time	Years 4 - 7
Formally change in ownership of the Town-owned lands to the Conservation Commission	BOS, ConCom	Staff time	Years 1 - 3

<b>Goal Three: Provide and maintain active and passive recreation opportunities to meet the diverse needs of Millville's population</b>	<b>Responsible Entities</b>	<b>Resources</b>	<b>Timeline / Priority</b>
Determine what the needs are at all the town open space parcels and recreational facilities	OSC, PRC, ConCom	Volunteer time, staff time	Years 1 - 3
Organize volunteer efforts to maintain these areas	OSC, ConCom	Volunteer time, staff time	Years 1 - 3
Identify key priority recreation areas in need of upgrade, repair, or maintenance	PRC, BOS	Staff time	Years 1 - 3
Increase opportunities for passive recreation such as community gardens, walking trails, sightseeing, and additional park benches throughout town	OSC, ConCom, PB	Volunteer time, staff time	Years 1 - 3
Increase opportunities for active recreation for youth through additional ballfields, hiking and biking opportunities on selected trails, and upgraded playgrounds	PRC, OSC, ConCom, PB	Volunteer time, staff time	Years 1 - 3
Work with the schools and various local groups to coordinate summer recreational programs	PRC, OSC, ConCom, Schools	Volunteer time, staff time	Years 1 - 7



<b>Goal Four: Increase access to waterfront resources through enhancement, protection, and promotion of Millville's water resources (i.e. wetlands, river, ponds, and aquifers)</b>	<b>Responsible Entities</b>	<b>Resources</b>	<b>Timeline / Priority</b>
Identify areas of contamination and pollution loads in order to preserve and protect water supplies	ConCom, BOH	Staff time	Years 1 - 3
Reduce non-native and invasive plants from waterways and prevent road runoff, farm waste and other toxins from entering waterways or wetlands	ConCom, PB	Volunteer time, staff time	Years 1 - 7
Secure additional protection for groundwater resources	BOS, PB, ConCom	Staff time	Years 1 - 7
Take measures to improve the quality of surface waters for recreational activities	BOS, ConCom, BOH, PB	Staff time	Years 1 - 7
Support regional efforts to improve and maintain the quality of the Blackstone River in order to maximize its use	BOS, ConCom, BOH, PB	Staff time	Years 1 - 7
Protect critical wetland areas	ConCom, PB	Volunteer time, staff time	Years 1 - 7
Preserve scenic views	PB, ConCom	Volunteer time, staff time	Years 1 - 7
Enhance and preserve the natural surroundings/environment of the Riverfront area through the use of sustainable practices and standards	OSC, PB, ConCom	Volunteer time, staff time	Years 4 - 7
Develop opportunities and methods for increasing public access along the Blackstone River	PB, ConCom, OSC	Volunteer time, staff time	Years 1 - 7
Plan for riverfront parks and trails	PB, BOS, ConCom, CMRPC	Staff time, volunteer time	Years 1 - 3
Develop active recreational opportunities along the riverfront area	PB, BOS, ConCom, OSC	Staff time, volunteer time	Years 4 - 7
Encourage partnerships with those municipalities that share the Riverfront area	BOS, PB, ConCom, CMRPC	Staff time	Years 1 - 3
Investigate the ownership status of the kayak/canoe area off Route 122/Blackstone River Corridor and coordinate public access to allow for increased resident activity	BA, BOS, OSC	Staff time	Years 1 - 3

<b>Goal Five: Promote the development and maintenance of trails and trail linkages, including a connected pedestrian network for active mobility</b>	<b>Responsible Entities</b>	<b>Resources</b>	<b>Timeline / Priority</b>
Identify existing and potential trail networks and pursue development of them	ConCom, OSC	Volunteer time, staff time	Years 1 - 3
Enhance Millville's natural environment by taking advantage of local and regional linkages of open space in the creation of greenways along the Blackstone River and other water bodies as appropriate	BOS, BA, ConCom, PB	Volunteer time, staff time	Years 4 - 7
Maintain communication with neighboring towns to identify potential trails which could cross town borders	ConCom, BOS, PB	Staff time	Years 1 - 7
Increase visibility and public access to conservation lands as appropriate through signage that reinforces public ownership	ConCom, BOS, PB, CAC OSC	Volunteer time, staff time	Years 1 - 3
Expand and promote eco-tourism opportunities, including hiking, canoeing/kayaking, walking, and biking	ConCom, BOS, PB, CAC OSC	Staff time	Years 1 - 3
Engage with MassDOT's Complete Streets program to identify gaps within the road network and identify priority areas for sidewalk and bike lane development	BOS, PB	Staff time	Years 1 - 3

<b>Goal Six: Maximize use of available funding through grants, state matching funds, or other programs for land purchase, resource preservation and protection, and repair or maintenance of existing facilities</b>	<b>Responsible Entities</b>	<b>Resources</b>	<b>Timeline / Priority</b>
Investigate possibility for state matching funds	ConCom, PB, CMRPC	Staff time	Years 1 - 3
Explore possibility of town adopting the Community Preservation Act (CPA) and seek application of the CPA to facilitate protection of conservation lands	BOS, PB, ConCom	Staff time	Years 1 - 3
Seek application of the Parkland Acquisitions and Renovations for Communities (PARC) grant to allow the development of a new public outdoor recreation facility or park	BOS, PB, ConCom, CMRPC	Staff time	Years 1 - 3
Seek application of the Local Acquisitions for Natural Diversity (LAND) grant to provide additional passive recreational opportunities	BOS, PB, ConCom, CMRPC	Staff time	Years 1 - 3
Seek application of the 604(b) Water Quality Management Grant to preserve the quality of the Blackstone River and other water resources	BOS, ConCom, PB	Staff time	Years 4 - 7
Become involved with regional and neighboring organizations dedicated to municipal stormwater management in order to ensure long-term protection resources and systems	ConCom PB	Volunteer time, staff time	Years 1 - 3

<b>Goal Seven: Increase educational awareness among residents of the range of the Town's open space and recreational assets as well as related opportunities</b>	<b>Responsible Entities</b>	<b>Resources</b>	<b>Timeline / Priority</b>
Create and maintain an Open Space & Recreation Committee webpage on the town website to publish information and resources, and share opportunities for involvement	OSC, CAC	Staff time	Years 1 - 3
Create promotional and informational handouts or maps of all public conservation and recreation areas to increase awareness of available open space and recreation resources (i.e. public parks, trails and trail heads, boat landings, uses, and entry points)	OSC, CAC, PB ConCom	Volunteer time, staff time	Years 1 - 3
Increase understanding of State-aid programs and local regulations and bylaws amongst community members	OSC, CAC	Staff time, volunteer time	Years 1 - 3
Create stewardship programs for conservation and forest lands	ConCom, PB, BOS	Staff time	Years 4 - 7
Develop and organize a volunteer network by involving residents, businesses, students, and non-profit organizations to maintain sites and promote benefits	ConCom, CAC OSC	Staff time, volunteer time	Years 1 - 7

<b>Goal Eight: Establish a permanently standing Open Space and Recreation Committee to steer implementation activities and review goals progress</b>	<b>Responsible Entities</b>	<b>Resources</b>	<b>Timeline / Priority</b>
Employ a full-time Town Planner or Administrative Assistant to maintain day-to-day operations and communications among their other roles and responsibilities	BOS, PB	Staff time	Years 2 - 7
Promote the efficient management and maintenance of the open space and recreation areas	ConCom, OSC, PB, BOS	Staff time	Years 1 - 7
Promote the importance of open space preservation for passive recreation, habitat protection, and water supply protection	ConCom, OSC, PB, CAC	Staff time	Years 1 - 7
Coordinate the exchange of information between town boards	All parties	Staff time	Years 1 - 7
Coordinate implementation activities and public education efforts with other town boards and committees to ensure greater community involvement and progress towards goals	All parties	Staff time, volunteer time	Years 1 - 7



## SECTION 10: PUBLIC COMMENTS

Multiple draft versions of this update of the Open Space and Recreation Plan were distributed to the Planning Board, Board of Selectmen, Town Administrator, Conservation Commission, and the Central Massachusetts Regional Planning Commission (CMRPC). [Section 2B. Planning Process and Public Participation](#) discusses the public participation process that was followed to gain municipal and public input. The following required letters of support are attached:

- Central Massachusetts Regional Planning Commission (CMRPC)
- Millville Board of Selectmen
- Millville Planning Board



1 Mercantile Street – Suite 520  
Worcester, MA 01608  
508.756.7717 P  
508.792.6818 F  
[www.cmrpc.org](http://www.cmrpc.org)

Melissa Cryan  
Division of Conservation Services  
Executive Office of Energy and Environmental Affairs  
100 Cambridge St., Ste. 900  
Boston, MA 02114

June 26, 2018

RE: Town of Millville 2018 Open Space and Recreation Plan

Dear Ms. Cryan;

The Central Massachusetts Regional Planning Commission (CMRPC) is writing this letter in support of the Town of Millville and its recently completed 2018 Open Space & Recreation Plan. The Town and its Open Space and Recreation Committee (Committee) are to be commended for their hard work putting this Plan together.

The Committee and its consultant, the CMRPC, have done a very thorough job and the final document appears compliant with the standards for such plans as promulgated by your office. This plan highlights how Millville continues to be a desirable place to live and examines the demand and pressures associated with residential development. Millville has recognized the need to balance new development with the need to protect open space and enhance recreation opportunities. In particular, this Plan documents the continued public interest and municipal action to create a safe and comfortable environment for walkers, runners, and bikers.

Millville's Open Space and Recreation Plan will provide the Town with the specific guidance and action steps needed to accomplish its goals and objectives. These goals and objectives, which have been informed by significant community input, are clearly laid out in this plan. This Plan also recognizes the need for partnerships with public and private entities to make its goals and objectives a reality. To this end, several local groups, such as land trusts and private land owners, are included in the plan and referenced in several objectives. Many of these partnerships are currently being pursued by the Conservation Commission and Planning Board. The Town of Millville will be well-served by having a State-approved Open Space and Recreation Plan in order to plan for its recreation facilities and programs, as well as to preserve and protect its valuable open spaces and natural resources.

Please consider this letter to be a demonstration of CMRPC's support for the Plan and the process used to develop it. We find Millville's Plan to be fully consistent with the goals and objectives outlined in the Town's 2017 Master Plan, CMRPC's Regional Open Space and Recreation Plan, our 2020 Growth Strategy for Central Massachusetts (2000), its 2004 Update, and the Massachusetts Statewide Comprehensive Outdoor Recreation Plan. While these plans are helpful in providing Millville with a comprehensive



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508.756.7717 P  
508.792.6818 F  
[www.cmrpc.org](http://www.cmrpc.org)

analysis of the larger region, this OSRP will significantly help the Town due to the amount of local knowledge that it includes.

Sincerely,

Trish Settles, AICP  
Regional Collaboration and Community Planning Manager

Cc: Millville Open Space and Recreation Committee  
Millville Planning Board  
Millville Board of Selectmen



**TOWN OF MILLVILLE  
BOARD OF SELECTMEN**

290 Main Street, Millville, MA 01529

Phone: (508) 883-1186

Fax: (508) 883-2994

[www.millvillema.org](http://www.millvillema.org)

*Joseph G. Rapoza, Chairman  
Jennifer Dean Wing, Vice Chairman  
Thomas Houle, Secretary  
Erica Blake, Member  
Andrew Alward, Member*

*Jennifer M. Callahan, Town Administrator*

June 18, 2018

Melissa Cryan  
Division of Conservation Services  
Executive Office of Energy and Environmental Affairs  
100 Cambridge Street, Suite 900  
Boston, MA 02114

Re: Town of Millville 2018 Open Space and Recreation Plan

Dear Ms. Cryan,

On behalf of the Millville Board of Selectmen, we are pleased to offer this letter of support for the development of the Town of Millville's 2018 Open Space and Recreation Plan, as prepared by our Open Space and Recreation Committee with assistance from the Central Massachusetts Regional Planning Commission (CMRPC).

Our Open Space and Recreation Committee and staff have been working over the past year on developing the town's first Open Space and Recreation Plan. Through public meetings, distributing two community-wide surveys, meeting with other boards and commissions; and holding a public forum, participation has been widespread in creating this working document. Overall, the Open Space and Recreation Committee has done a commendable job on the development of this Plan.

Our land use boards, in particular the Conservation Commission, Parks and Recreation Commission, Open Space and Recreation Committee, and the Planning Board all benefit from having this document as a resource when considering future acquisitions for passive and active recreation. We feel the end result will serve as a valuable resource for the town for many years.

We thank you for considering this Plan and supporting our open space and recreation efforts.

Sincerely,

Joseph G. Rapoza, Chairman





## TOWN OF MILLVILLE PLANNING BOARD

290 Main Street, Millville, MA 01529

Phone: (508) 883-1750

Fax: (508) 883-2994

[www.millvillema.org](http://www.millvillema.org)

*John Hadley, Chairman  
Michelle Dumond, Member  
Richard Hurteau, Member  
Brian Mullaly, Member  
William Coupe JR, Member*

*Jennifer M. Callahan, Town Administrator*

June 26, 2018

Melissa Cryan  
Division of Conservation Services  
Executive Office of Energy and Environmental Affairs  
100 Cambridge Street, Suite 900  
Boston, MA 02114

Re: Town of Millville 2018 Open Space and Recreation Plan

Dear Ms. Cryan,

On behalf of the Millville Planning Board, we are pleased to offer this letter of support for the development of the Town of Millville's 2018 Open Space and Recreation Plan, as prepared by our Open Space and Recreation Committee with assistance from the Central Massachusetts Regional Planning Commission (CMRPC).

Our Open Space and Recreation Committee and staff have been working over the past year on developing the town's first Open Space and Recreation Plan. Through public meetings, distributing two community-wide surveys, meeting with other boards and commissions; and holding a public forum, participation has been widespread in creating this working document. Overall, the Open Space and Recreation Committee has done a commendable job on the development of this Plan.

Our land use boards, in particular the Conservation Commission, Parks and Recreation Commission, Open Space and Recreation Committee, and the Trustees of Veterans Memorial Park all benefit from having this document as a resource when considering future acquisitions for passive and active recreation. We feel the end result will serve as a valuable resource for the town for many years.

We thank you for considering this Plan and supporting our open space and recreation efforts.

Sincerely,

  
John Hadley, Chairman



## SECTION 11: REFERENCES

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Town of Millville Planning Board website, <http://www.millvillema.org/boards-committees/planning-board/>

Town of Millville Assessors Office website, <http://www.millvillema.org/departments/assessors-office/>

Town of Millville Board of Health website, <http://www.millvillema.org/boards-committees/board-of-health/>

Town of Millville Conservation Commission website, <http://www.millvillema.org/boards-committees/conservation/>

Town of Millville Historical Commission, website <http://www.millvillema.org/boards-committees/historical-commission/>

Town of Millville Parks and Recreation Commission website, <http://www.millvillema.org/boards-committees/parks-and-recreation/>

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## APPENDICES

**Appendix A** Maps (folded at the end of the document)

Map 1 – Regional Context Map  
Map 2 – Environmental Justice Map  
Map 3 – Zoning Map  
Map 4 – Soils and Geologic Features Map  
Map 5 – Scenic and Unique Features Map  
Map 6A – Water Resources Map 1  
Map 6B – Water Resources Map 2  
Map 7 – Open Space Inventory Map  
Map 8 – Action Plan Map  
Map 9 – Land Use Map  
Map 10 – BioHabitat Map

**Appendix B** Community Engagement Materials

**Appendix C** Massachusetts Cultural Resource and Information System (MACRIS) Inventory

**Appendix D** ADA Access Self Evaluation, ADA Grievance Procedure, Employment Practices, ADA Coordinator Letter

## APPENDIX A: MAPS

Please find all maps folded at the end of the report.

- Map 1 – Regional Context Map
- Map 2 – Environmental Justice Map
- Map 3 – Zoning Map
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- Map 5 – Scenic Unique Features Map
- Map 6A – Water Resources Map 1
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- Map 8 – Action Plan Map
- Map 9 – Land Use
- Map 10 – Habitat Map

## APPENDIX B: COMMUNITY ENGAGEMENT MATERIALS

# Millville Open Space and Recreation Plan (OSRP)

## — Short Survey —

Please help the Town of Millville develop its first **Open Space and Recreation Plan (OSRP)** by participating in this important survey.

Such a plan allows a municipality to maintain and enhance all the benefits of open space that together shape community's character and serves to protect a town's "green infrastructure" (i.e. water supply, land, working farms and forests, wildlife habitats, parks, recreation areas, trails, and greenways). An approved OSRP is necessary to qualify for State program funding for future acquisition and protection of open space lands and recreational facilities.



This short survey is being conducted to gather a baseline of residents' needs and concerns regarding the town's open space and recreation facilities. Note that a longer, more detailed survey will be distributed in spring 2018. Please answer these questions from your own perspective and what you have heard directly from others. Responses of this survey will be anonymous and not attributed to individual.

### — DIRECTIONS —

**You may complete this short survey in two different ways—handwritten or online. Please fill out the attached questions and drop-off a completed copy at one of the following locations:**

- Town Hall
- Senior Center
- Millville Public Library

**OR complete the survey online at:**  
[SurveyMonkey.com/r/MillvilleOSRP1](https://www.surveymonkey.com/r/MillvilleOSRP1)

**A kickoff meeting will be held in early 2018 and there will be additional opportunities to share your views on specific issues.** We hope you will join us and we thank you for your help.

Sincerely,

*The Millville Open Space and Recreation Committee with staff support from The Central Massachusetts Regional Planning Commission (CMRPC)*

**To complete survey please see back and for more information please contact**  
[townadmin@millvillema.org](mailto:townadmin@millvillema.org)



## Town of Millville OSRP Survey Form- 2017

1. What do you value most about Millville's landscape and natural spaces (forests, trails, rivers, lakes, farms, parks, etc.)?
2. How do you use the natural spaces in Millville? How do others you know use these spaces?
3. What concerns you about Millville's natural spaces and recreation areas?
4. What concerns have you heard from other people – even those who think differently than you?
5. What are the most difficult challenges facing Millville related to natural spaces? What about recreation? What do people disagree about when discussing these topics in Millville?
6. What new directions or improvements would you like to see in Millville related to natural spaces and recreation areas?
7. Who should take what actions for these new directions or improvements to occur?
8. What other thoughts about this issue would you like to offer?



**TELL US  
WHAT  
YOU  
THINK!**

# Millville

## ON THE MOVE



## Public Forum

OPEN SPACE & RECREATION  
PLANNING PRESENTATION

**APRIL 12, 2018**  
6:30 PM @ TOWN HALL

Millville is developing its very first **Open Space & Recreation Plan**. Your feedback is an essential part of our planning process.

We are holding this public community forum to present our findings and future plans for Open Space & Recreation as well as to answer your questions and hear your ideas. **PLEASE JOIN US!**

290 MAIN STREET • MILLVILLE, MA



# Millville's First Open Space & Recreation Plan

---

## Help Plan for Our Town's Future

Millville is developing its very first Open Space & Recreation Plan (OSRP). Your feedback is an important part of our planning process. **Please fill out this quick survey as part of the 2nd phase of our community assessment.**

Find the survey on our website [www.millvillema.org](http://www.millvillema.org)  
or go directly to the link below.

Hardcopies also available for pick up at:  
Town Hall • Senior Center • Public Library

Access the Survey Online:

<https://www.surveymonkey.com/r/osrpsurvey>





**TOWN OF MILLVILLE  
290 Main Street  
Millville, MA 01529**

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## **THANK YOU FOR PARTICIPATING!**

**For more information contact:  
[townadmin@millvillema.org](mailto:townadmin@millvillema.org)**

***Save the Date:***

**COMMUNITY FORUM  
Thursday, April 12<sup>th</sup>!**

**We will be holding a public  
community forum to present  
our findings and future plans for  
Open Space & Recreation.**

---

# Community survey is first step for Millville's Open Space and Recreation Plan

By JOSEPH FITZGERALD [jfitzgerald@woonsocketcall.com](mailto:jfitzgerald@woonsocketcall.com) [www.millvillema.org](http://www.millvillema.org).

MILLVILLE — The town is beginning the task of creating its first Open Space and Recreation Plan, and the first step in the process is a community survey that will give residents a chance to voice their ideas and concerns regarding Millville's open space and recreation facilities.

The 10-question survey is available online at the town's website at

Paper surveys for those without internet access are available at the Town Hall, Senior Center and Millville Free Public Library. Surveys must be completed by Friday, March 23. Participation is voluntary and all responses will be confidential.

As part of the survey, respondents will be asked to rank a list of most needed recreational facilities and to list how many times they use the town's existing recreational sites

and natural resources, including the bike path, Millville Lock, Lyons Preserve and Millville Town Forest, to name a few.

"If people take the time to answer the survey, we'll have a much better plan," said Town Administrator Jennifer M. Callahan.

The results of the survey will be discussed at a community forum planned for on April 12.

According to Callahan, the OSRP will help to guide decisions regarding the use, acquisition, and management of Millville's treasured open spaces, conservation areas, recreation facilities, and natural resources over the next seven years.

"It's important for us to get a feel for what people think so that we can draft a solid, strategic plan," she said.

The Massachusetts Executive Office of Energy and Environmental Affairs Division of Conservation Services oversees open space planning in communities across the state. An approved, current Open Space and Recreation Plan, Callahan said, is required for eligibility for conservation grants and state funding programs and guides town policy regarding open space issues.

Specifically, an Open Space and Recreation Plan is a strategic planning document that provides towns with a policy guide, outlining a clear direction for the balanced use of the town's natural resources including the following:

- Maintenance of environmental quality.
- Protection and preservation of ground and surface water.
- A balanced recreation plan to meet

the needs of a growing population.

- Preservation and promotion of natural areas for conservation purposes.

- Integration of conservation and recreation areas.

"Open Space and Recreation Plans are not meant to sit on a shelf, but are working documents, created to represent the needs of town's residents," Callahan said.

Overseeing the process locally is the Millville Open Space and Recreation Committee, which includes members Tom Mulvey, Pamela Maloney, Eric Olsen, Kari Pisano, Mark Robinson, Jennifer Dean Wing, John Hadley and Lincoln Barber.

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# Millville to hold open space forum Thursday

Woonsocket Call 11 Apr 2018 By JOSEPH FITZGERALD [jfitzgerald@woonsocketcall.com](mailto:jfitzgerald@woonsocketcall.com) Follow Joseph Fitzgerald on Twitter @jofitz7

MILLVILLE – The town has begun the task of creating its first Open Space and Recreation Plan and the next step in the process is to solicit public feedback from residents at community forum slated to be held Thursday.

The forum, which will include refreshments, will begin at 6:30 pm at the Millville Town Hall and run until about 8:30 pm. The session is an opportunity for residents weigh in on and describe issues, challenges, needs, and opportunities they may feel are currently impacting open space and recreation areas in town.

The forum will also serve as an opportunity for residents to provide guidance and to help refine goals and objectives as the town moves forward towards completing the plan.

According to Town Administrator

help to guide decisions regarding the use, acquisition, and management of Millville's open spaces, conservation areas, recreation facilities, and natural resources over the next seven years.

She said the forum is open to all regardless of existing knowledge of open space.

"This forum represents the culmination of months of a lot of hard work by Millville residents and the Central Mass Regional Planning Commission," she said. "The Open Space Recreation Planning Committee is excited to share important information they have learned through its community survey outreach efforts which it will incorporate into the town's final plan to be filed in June."

"Open Space and Recreation Plans are not meant to sit on a shelf, but




represent the needs of town's residents," Callahan said.


Overseeing the process locally is the Millville Open Space and Recreation Committee, which includes members Tom Mulvey, Pamela Maloney, Eric Olsen, Kari Pisano, Mark Robinson, Jennifer Dean Wing, John Hadley and Lincoln Barber.


The first step in the process to create an OSRP was a 10-question survey that is still available online.

The deadline to complete the survey was initially March 23, but that deadline has been extended to April 30 at [www.surveymonkey.com/r/osrpsurvey](http://www.surveymonkey.com/r/osrpsurvey).

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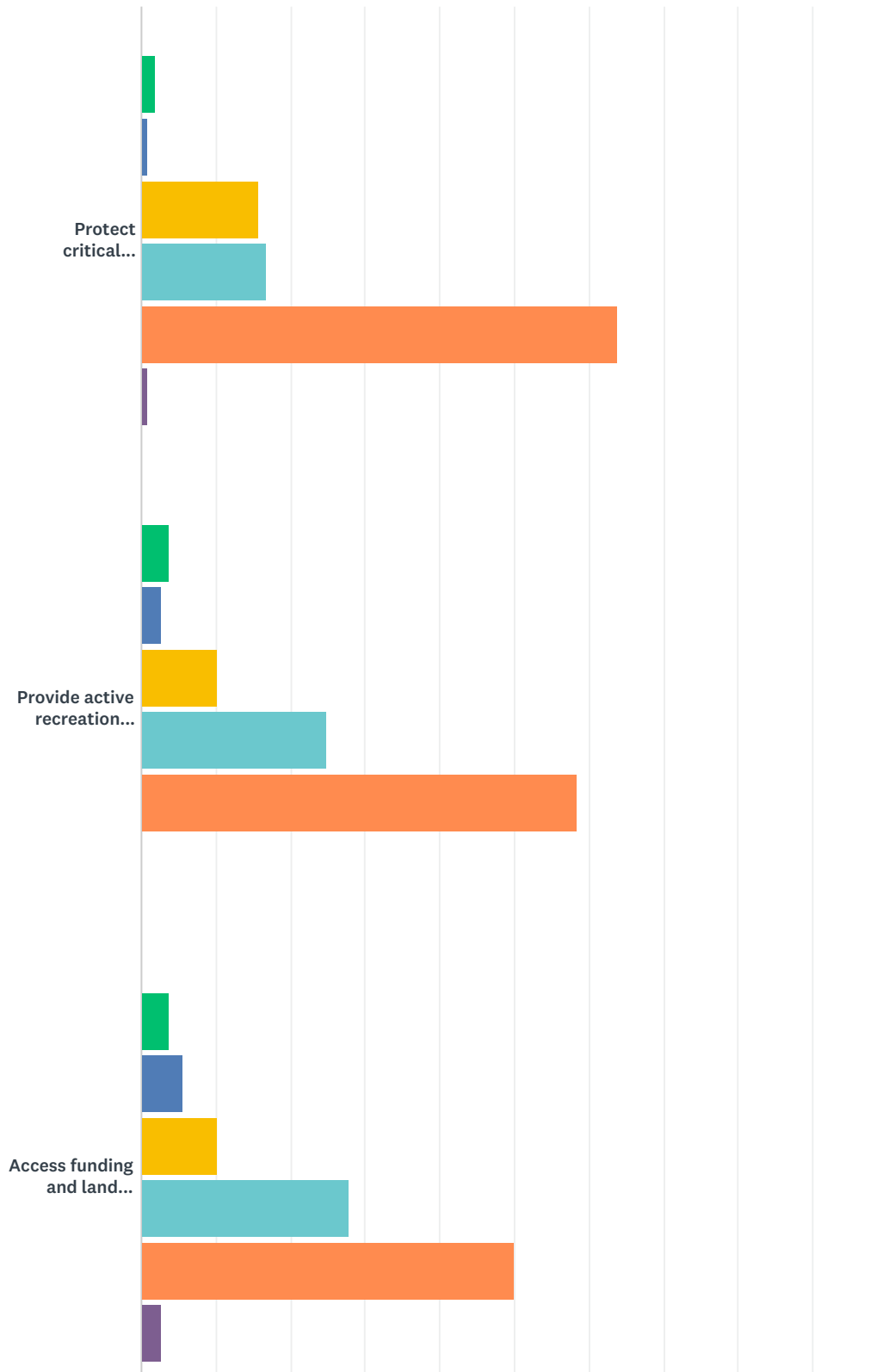
 Bump it

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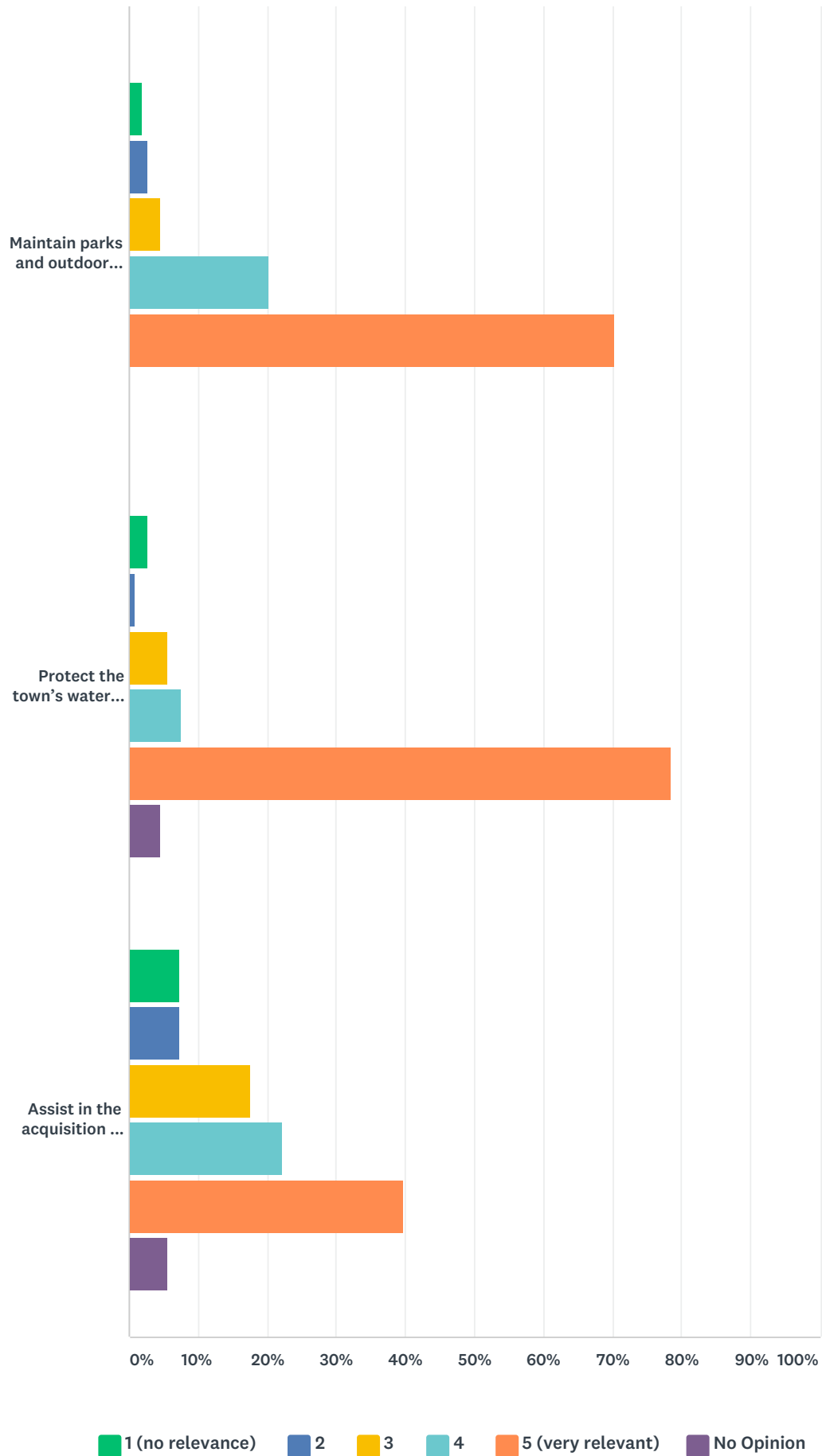


Q1 The following are the DRAFT goals for the 2018 Open Space Plan.  
How relevant do you feel each of these goals are to Millville? (1 = no  
relevance; 5 = very relevant)

Answered: 108 Skipped: 2



## Millville Open Space and Recreation Plan (OSRP) Survey 2018



## Millville Open Space and Recreation Plan (OSRP) Survey 2018

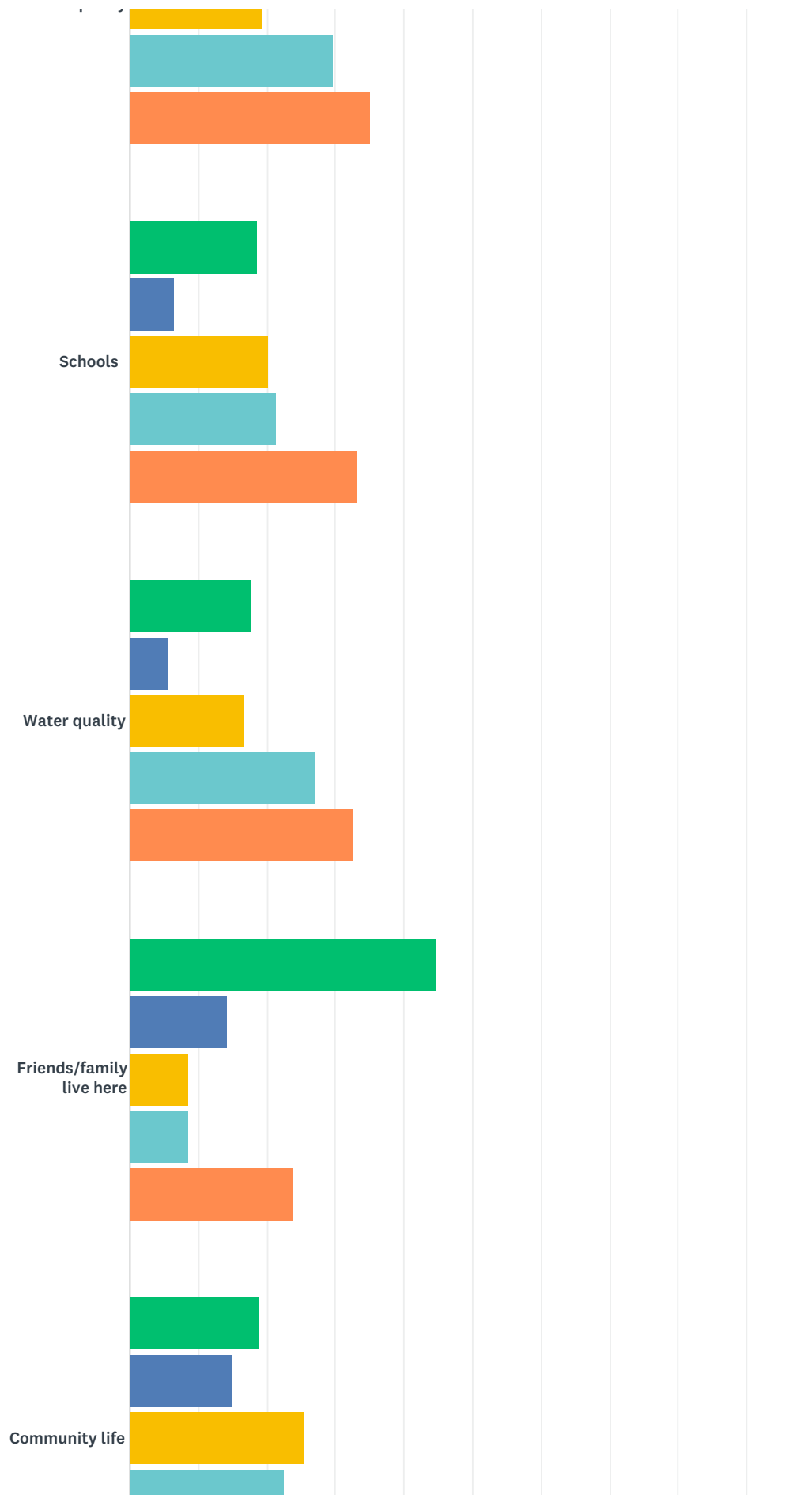
	1 (NO RELEVANCE)	2	3	4	5 (VERY RELEVANT)	NO OPINION	TOTAL
Protect critical parcels of land for conservation and passive recreation	1.85% 2	0.93% 1	15.74% 17	16.67% 18	63.89% 69	0.93% 1	108
Provide active recreation areas to meet the needs of Millville's growing population	3.70% 4	2.78% 3	10.19% 11	25.00% 27	58.33% 63	0.00% 0	108
Access funding and land protection strategies to protect or purchase land for open space or recreation	3.70% 4	5.56% 6	10.19% 11	27.78% 30	50.00% 54	2.78% 3	108
Maintain parks and outdoor spaces the town currently owns	1.85% 2	2.78% 3	4.63% 5	20.37% 22	70.37% 76	0.00% 0	108
Protect the town's water supply aquifer	2.80% 3	0.93% 1	5.61% 6	7.48% 8	78.50% 84	4.67% 5	107
Assist in the acquisition of land for the Town of Millville's open space or recreation needs	7.41% 8	7.41% 8	17.59% 19	22.22% 24	39.81% 43	5.56% 6	108

Q2 If you live in Millville, rank the reasons why you choose to live here. (1 = does not influence my decision to live here at all; 5 = very influential to my decision to live here)

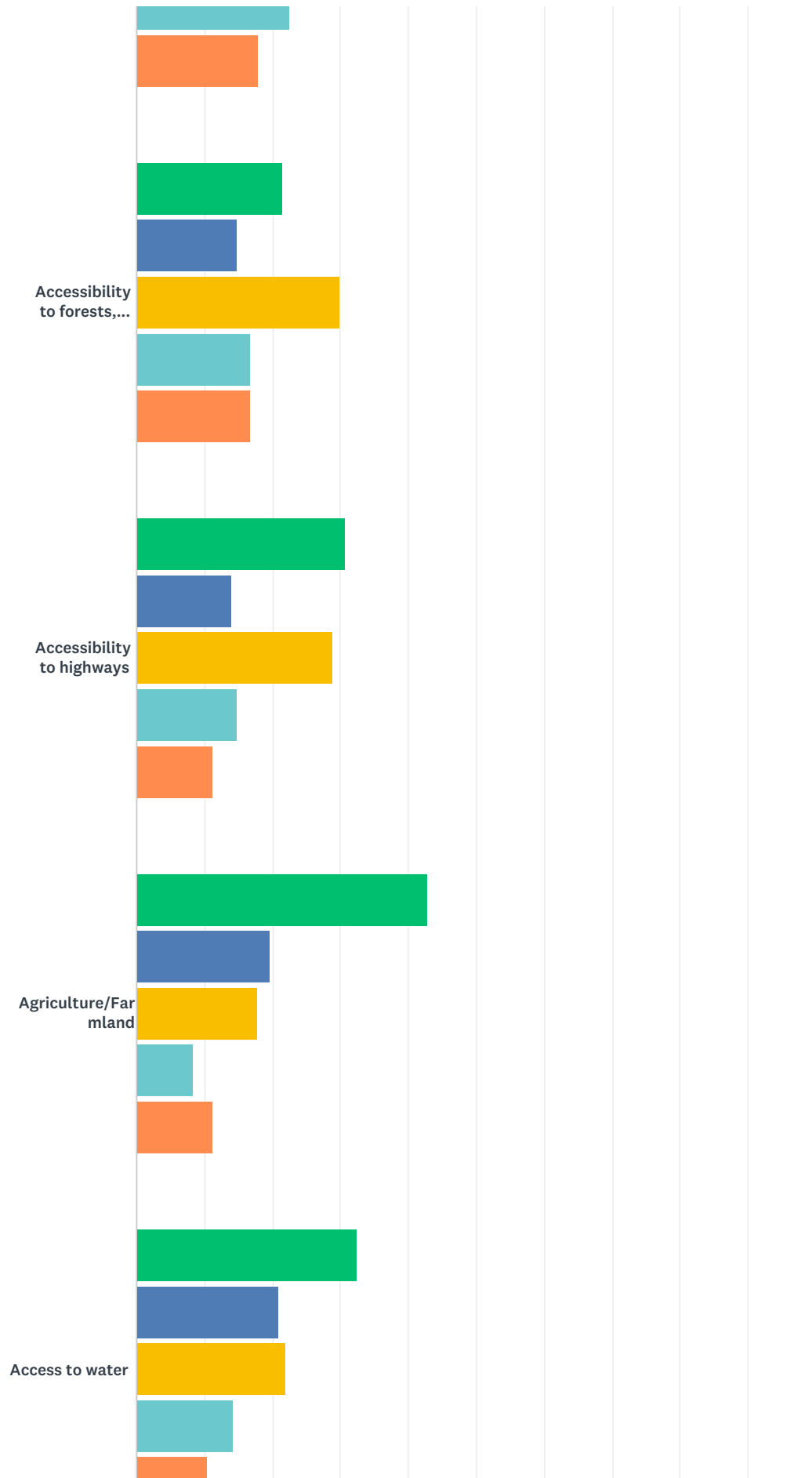
Answered: 108 Skipped: 2



# Millville Open Space and Recreation Plan (OSRP) Survey 2018

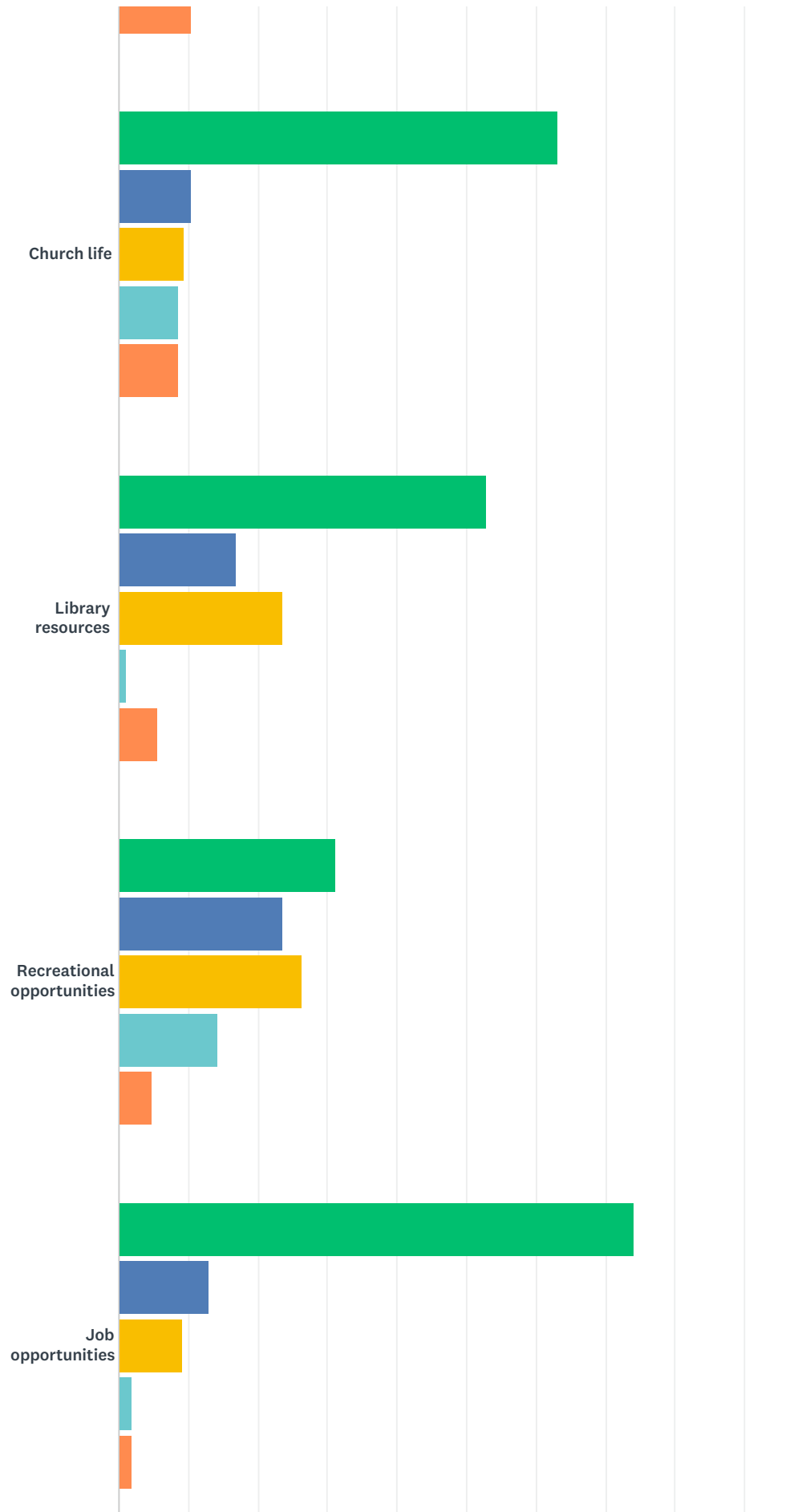


# Millville Open Space and Recreation Plan (OSRP) Survey 2018

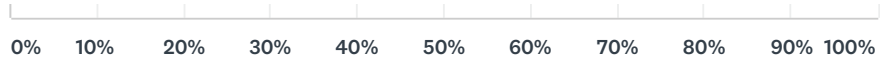




# Millville Open Space and Recreation Plan (OSRP) Survey 2018



# Millville Open Space and Recreation Plan (OSRP) Survey 2018

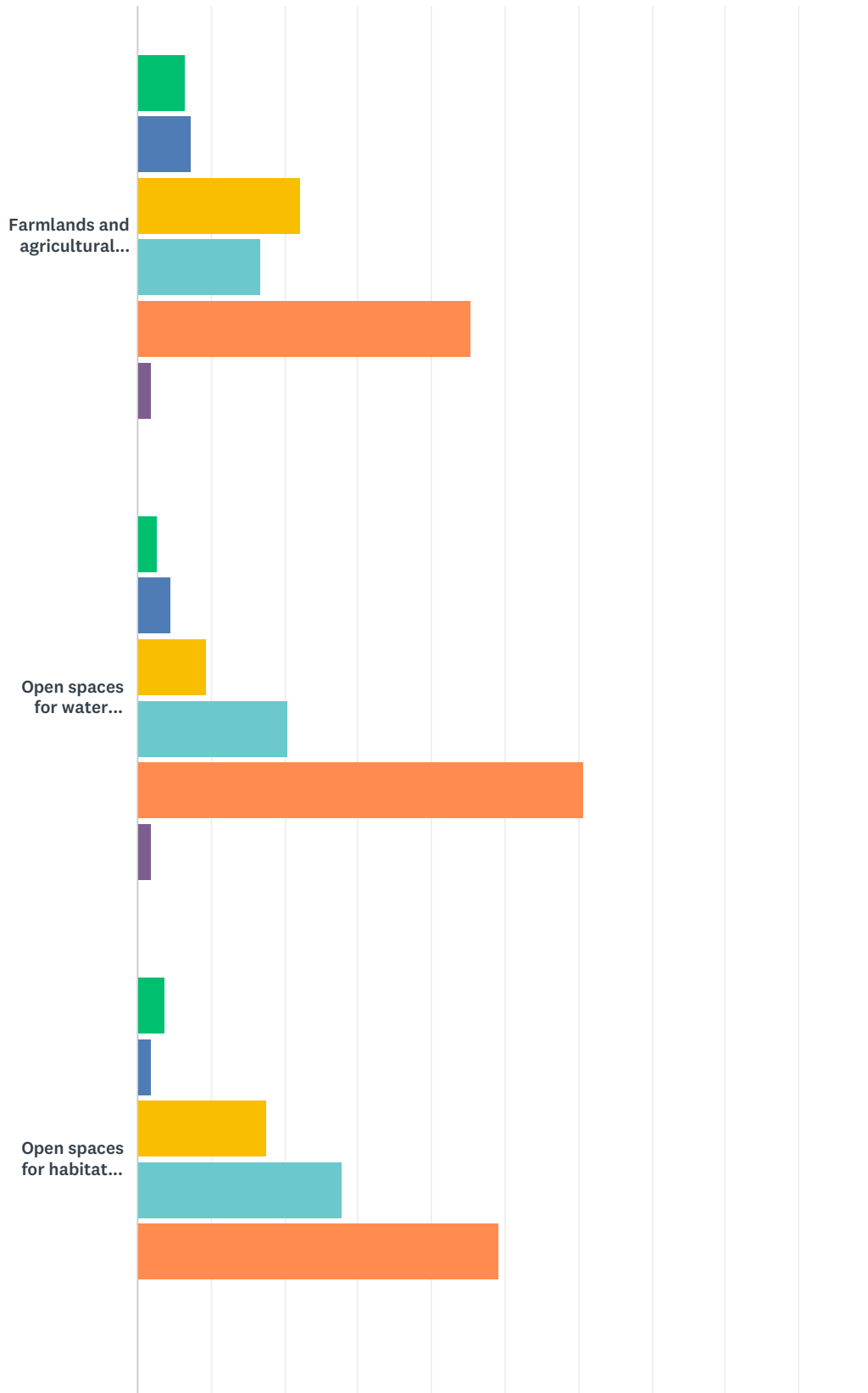


■ 1 (not influential) 
 ■ 2 
 ■ 3 
 ■ 4 
 ■ 5 (very influential)

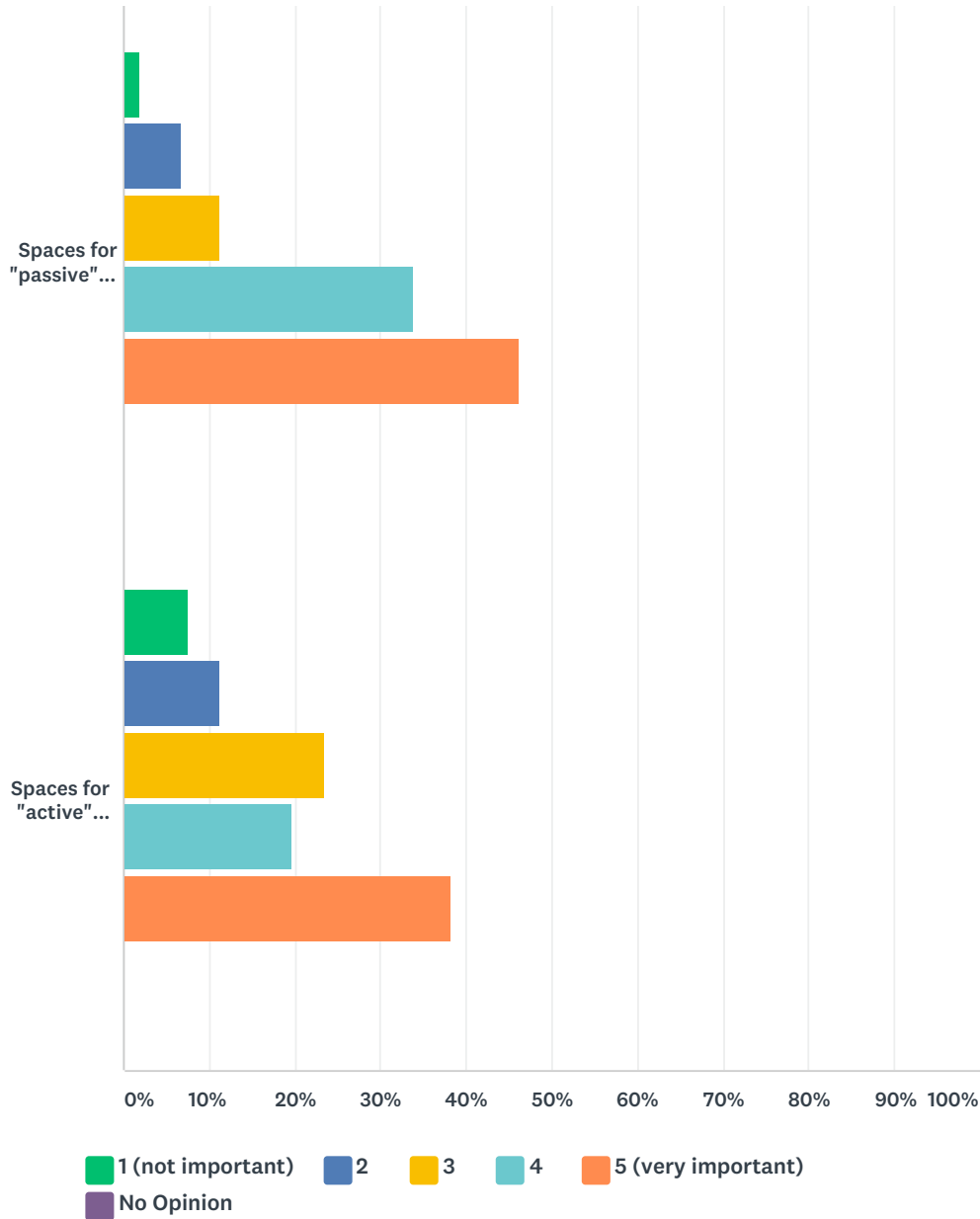
	1 (NOT INFLUENTIAL)	2	3	4	5 (VERY INFLUENTIAL)	TOTAL
Small town/rural character	6.48% 7	4.63% 5	14.81% 16	25.93% 28	48.15% 52	108
Neighborhood safety	4.76% 5	1.90% 2	12.38% 13	33.33% 35	47.62% 50	105
Low crime/vandalism	4.63% 5	0.93% 1	12.04% 13	38.89% 42	43.52% 47	108
Air quality	13.89% 15	1.85% 2	19.44% 21	29.63% 32	35.19% 38	108
Schools	18.52% 20	6.48% 7	20.37% 22	21.30% 23	33.33% 36	108
Water quality	17.76% 19	5.61% 6	16.82% 18	27.10% 29	32.71% 35	107
Friends/family live here	44.76% 47	14.29% 15	8.57% 9	8.57% 9	23.81% 25	105
Community life	18.87% 20	15.09% 16	25.47% 27	22.64% 24	17.92% 19	106
Accessibility to forests, water, and other natural resources	21.50% 23	14.95% 16	29.91% 32	16.82% 18	16.82% 18	107
Accessibility to highways	30.84% 33	14.02% 15	28.97% 31	14.95% 16	11.21% 12	107
Agriculture/Farmland	42.99% 46	19.63% 21	17.76% 19	8.41% 9	11.21% 12	107
Access to water	32.38% 34	20.95% 22	21.90% 23	14.29% 15	10.48% 11	105
Church life	63.21% 67	10.38% 11	9.43% 10	8.49% 9	8.49% 9	106
Library resources	52.83% 56	16.98% 18	23.58% 25	0.94% 1	5.66% 6	106
Recreational opportunities	31.13% 33	23.58% 25	26.42% 28	14.15% 15	4.72% 5	106
Job opportunities	74.07% 80	12.96% 14	9.26% 10	1.85% 2	1.85% 2	108

### Q3 How important is it to you to preserve each of the following: (1 = not important; 5 = very important)

Answered: 108 Skipped: 2



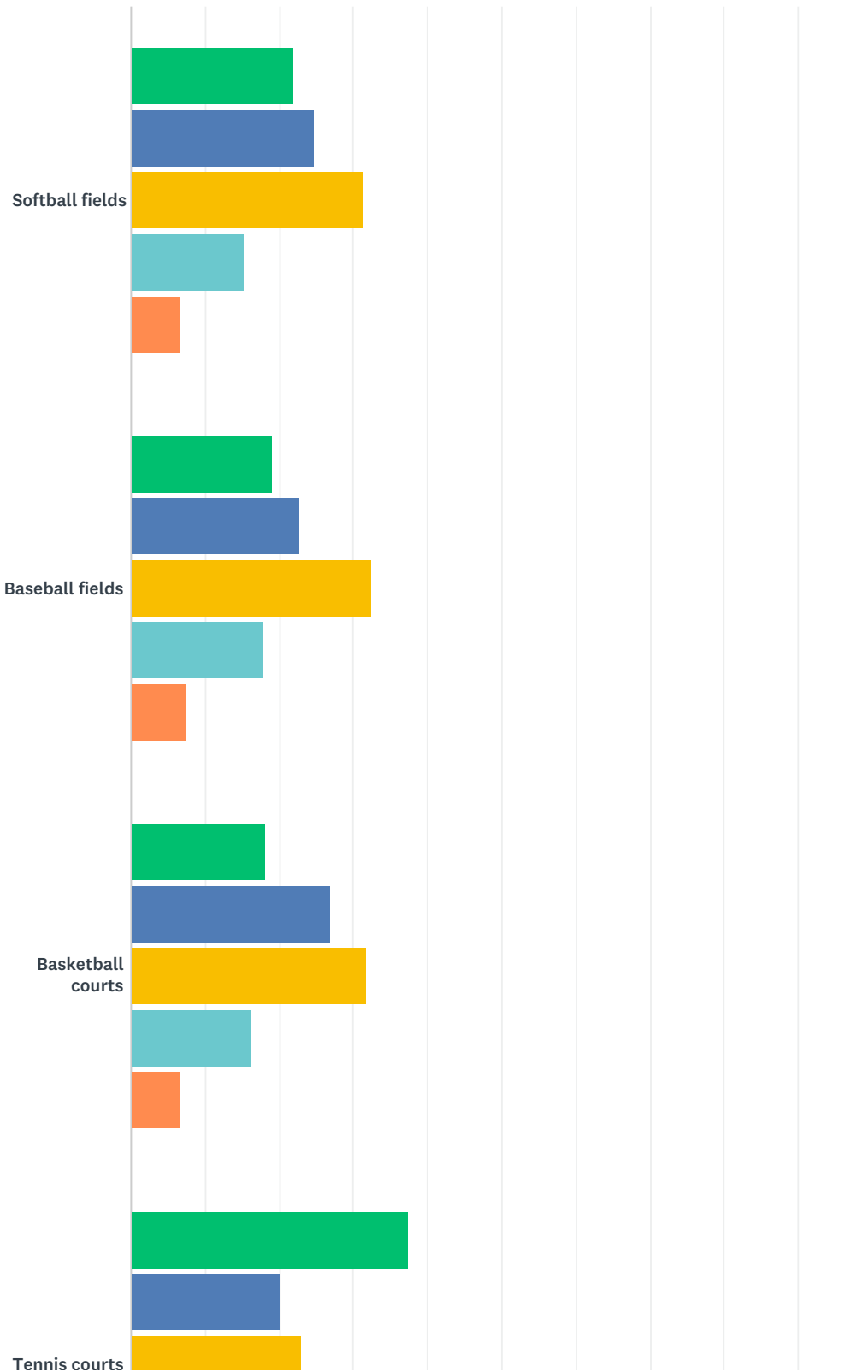
# Millville Open Space and Recreation Plan (OSRP) Survey 2018



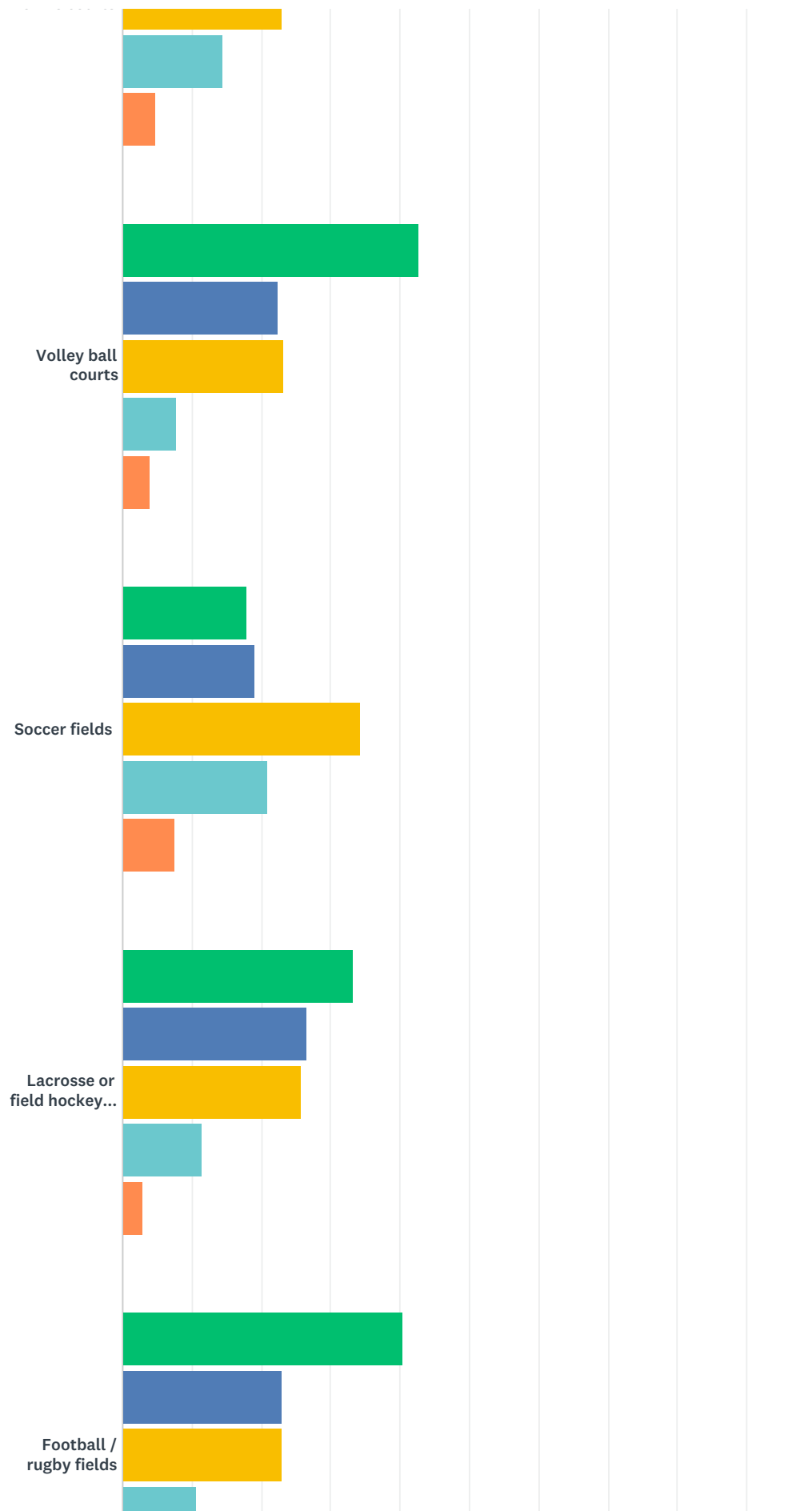
	1 (NOT IMPORTANT)	2	3	4	5 (VERY IMPORTANT)	NO OPINION	TOTAL
Farmlands and agricultural lands	6.48% 7	7.41% 8	22.22% 24	16.67% 18	45.37% 49	1.85% 2	108
Open spaces for water supply protection	2.80% 3	4.67% 5	9.35% 10	20.56% 22	60.75% 65	1.87% 2	107
Open spaces for habitat protection	3.70% 4	1.85% 2	17.59% 19	27.78% 30	49.07% 53	0.00% 0	108
Spaces for "passive" recreation (e.g. hiking trails)	1.89% 2	6.60% 7	11.32% 12	33.96% 36	46.23% 49	0.00% 0	106
Spaces for "active" recreation (e.g. organized sports)	7.48% 8	11.21% 12	23.36% 25	19.63% 21	38.32% 41	0.00% 0	107

Q4 Rank the most needed recreational facilities in order of importance. (1 = not needed at all; 5 as most important or needed. Check only one per row.)

Answered: 109 Skipped: 1

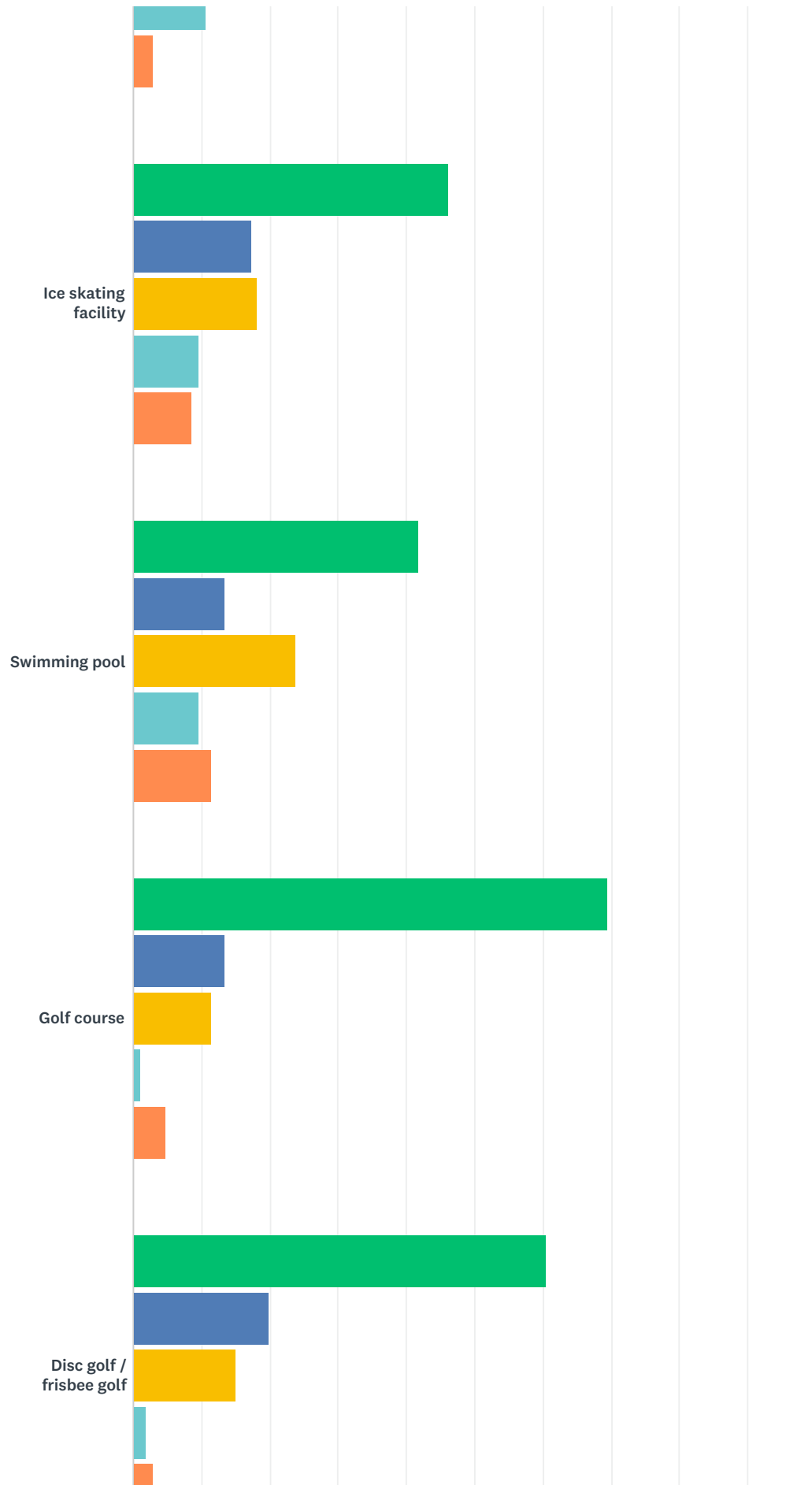


# Millville Open Space and Recreation Plan (OSRP) Survey 2018

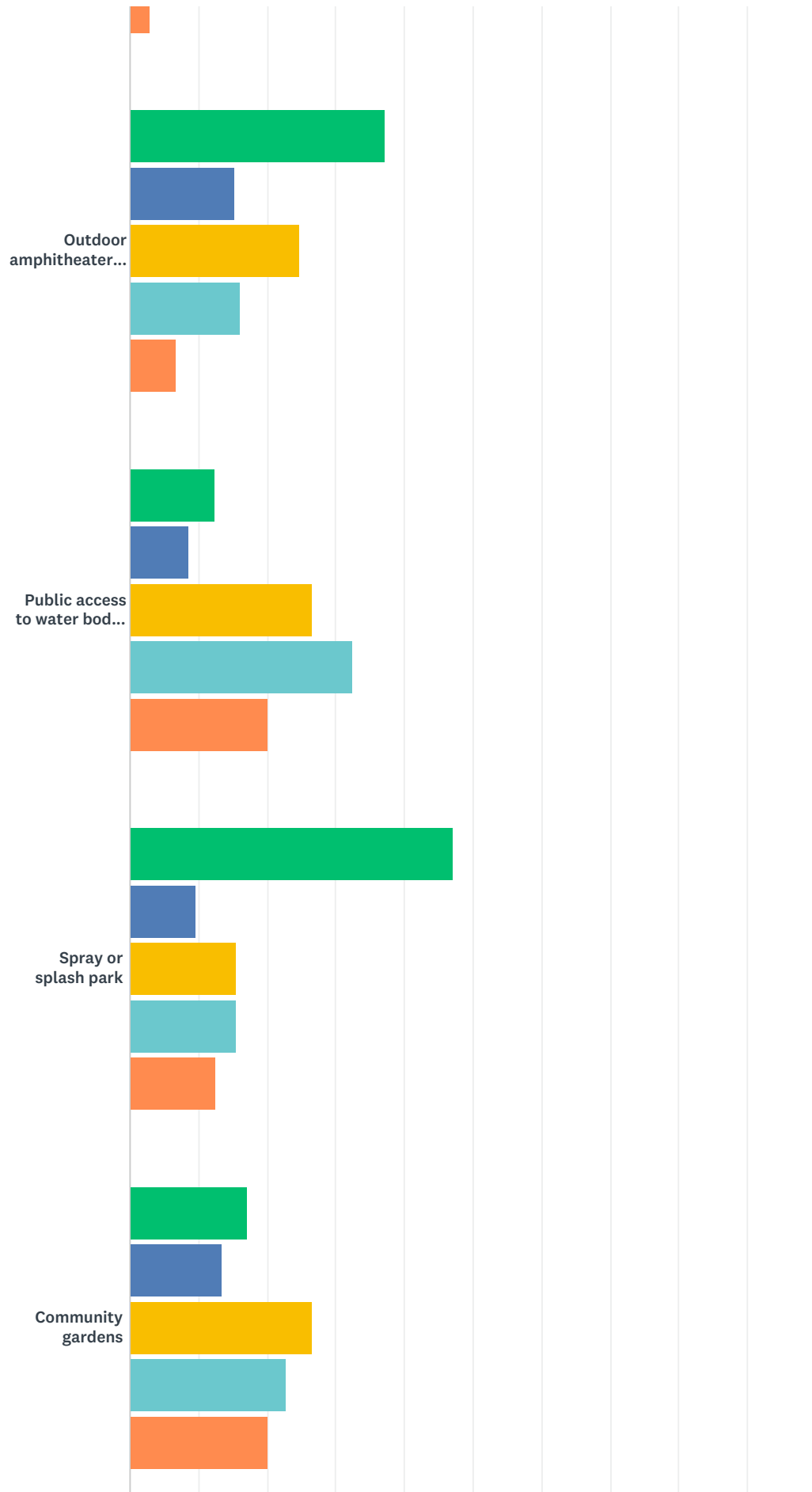




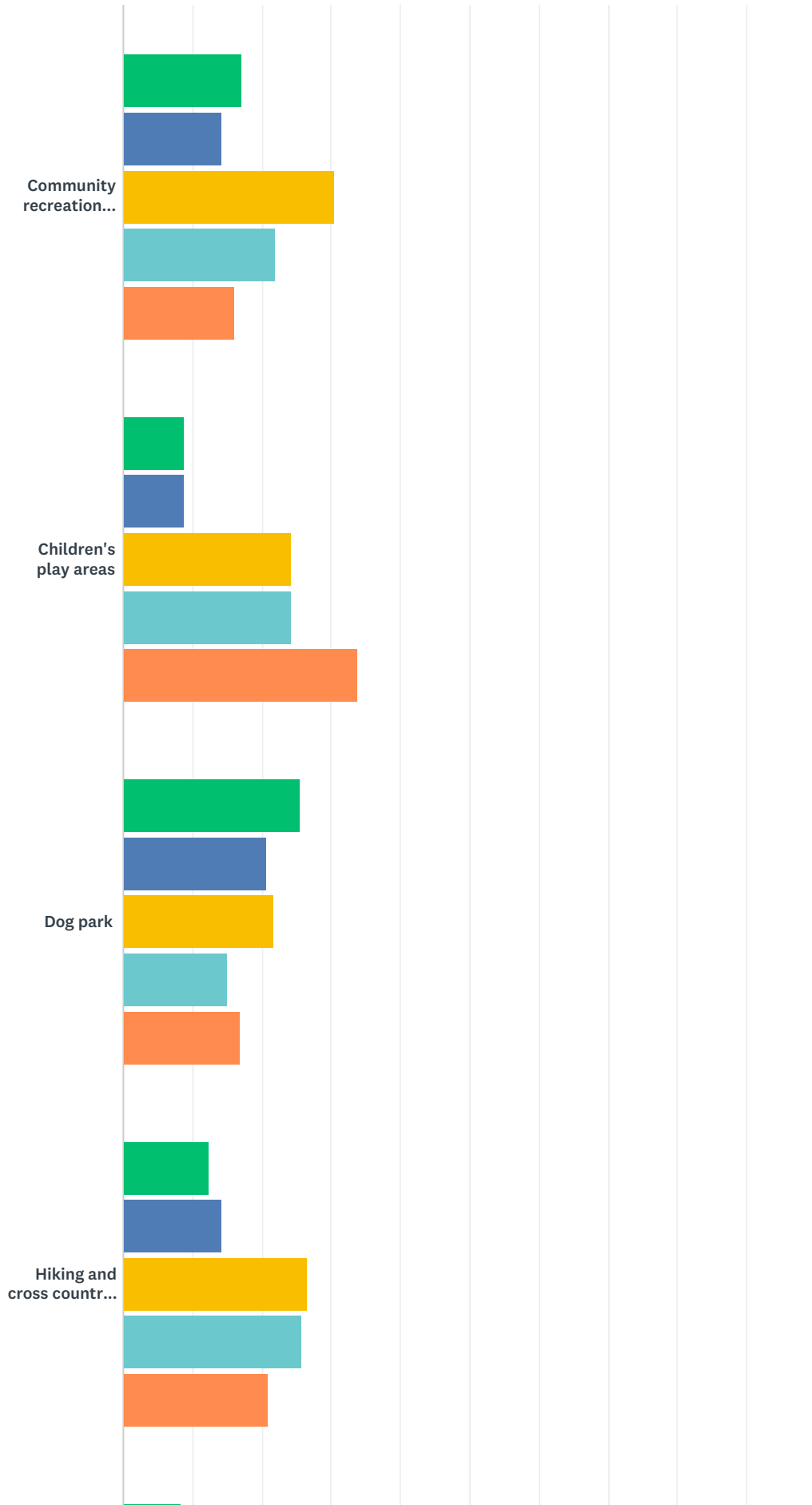
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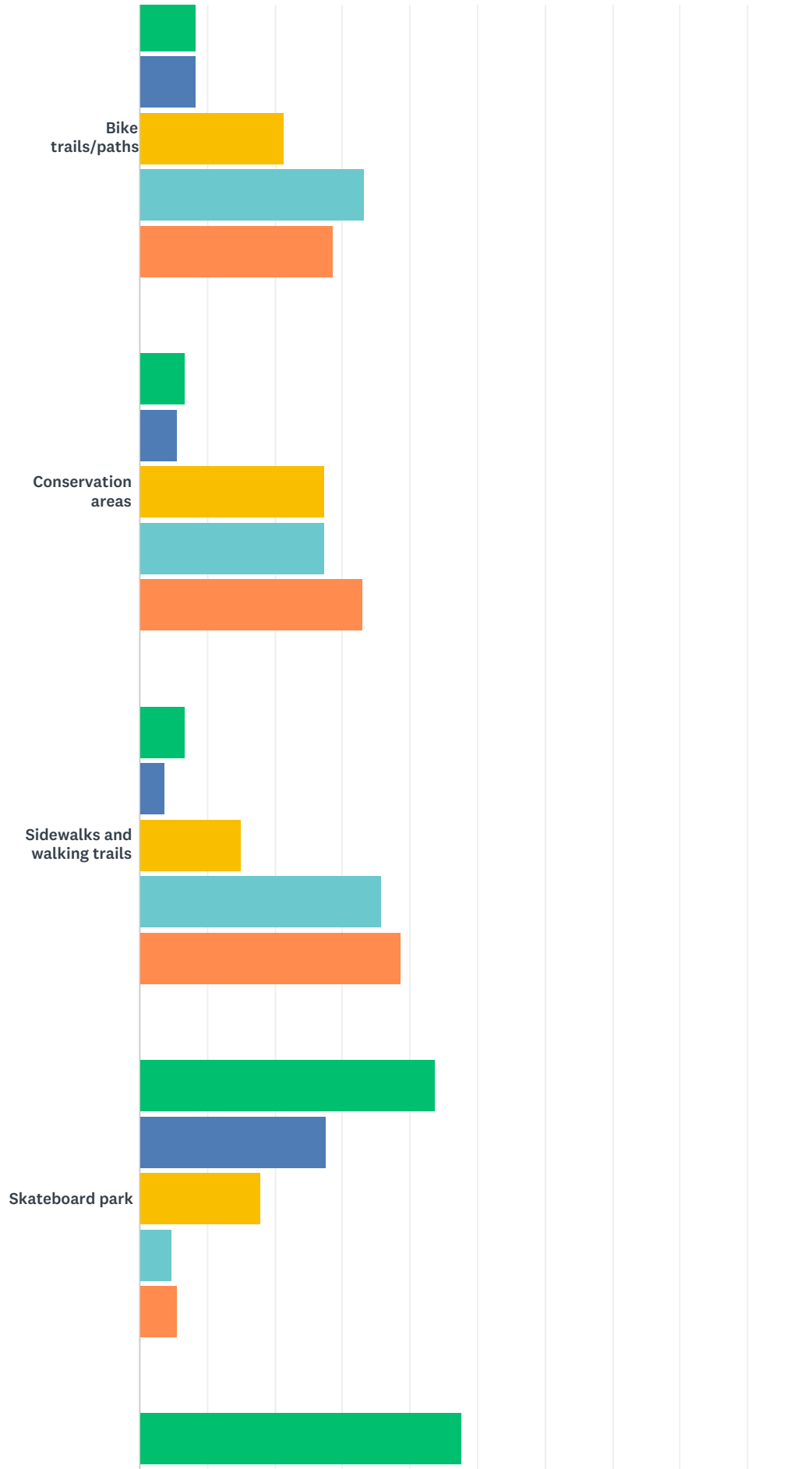
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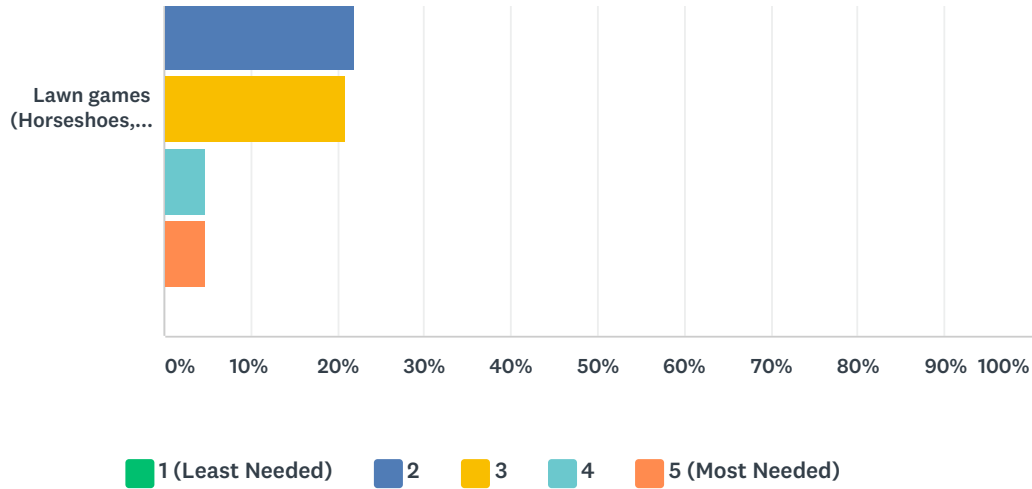
# Millville Open Space and Recreation Plan (OSRP) Survey 2018



# Millville Open Space and Recreation Plan (OSRP) Survey 2018



## Millville Open Space and Recreation Plan (OSRP) Survey 2018



	1 (LEAST NEEDED)	2	3	4	5 (MOST NEEDED)	TOTAL
Softball fields	21.90% 23	24.76% 26	31.43% 33	15.24% 16	6.67% 7	105
Baseball fields	19.05% 20	22.86% 24	32.38% 34	18.10% 19	7.62% 8	105
Basketball courts	18.27% 19	26.92% 28	31.73% 33	16.35% 17	6.73% 7	104
Tennis courts	37.50% 39	20.19% 21	23.08% 24	14.42% 15	4.81% 5	104
Volley ball courts	42.72% 44	22.33% 23	23.30% 24	7.77% 8	3.88% 4	103
Soccer fields	18.10% 19	19.05% 20	34.29% 36	20.95% 22	7.62% 8	105
Lacrosse or field hockey fields	33.33% 35	26.67% 28	25.71% 27	11.43% 12	2.86% 3	105
Football / rugby fields	40.38% 42	23.08% 24	23.08% 24	10.58% 11	2.88% 3	104
Ice skating facility	46.15% 48	17.31% 18	18.27% 19	9.62% 10	8.65% 9	104
Swimming pool	41.90% 44	13.33% 14	23.81% 25	9.52% 10	11.43% 12	105
Golf course	69.52% 73	13.33% 14	11.43% 12	0.95% 1	4.76% 5	105
Disc golf / frisbee golf	60.38% 64	19.81% 21	15.09% 16	1.89% 2	2.83% 3	106
Outdoor amphitheater or performance space	37.14% 39	15.24% 16	24.76% 26	16.19% 17	6.67% 7	105
Public access to water bodies for swimming, boating, or fishing	12.38% 13	8.57% 9	26.67% 28	32.38% 34	20.00% 21	105
Spray or splash park	47.12% 49	9.62% 10	15.38% 16	15.38% 16	12.50% 13	104
Community gardens	17.14% 18	13.33% 14	26.67% 28	22.86% 24	20.00% 21	105
Community recreation center/building	17.14% 18	14.29% 15	30.48% 32	21.90% 23	16.19% 17	105

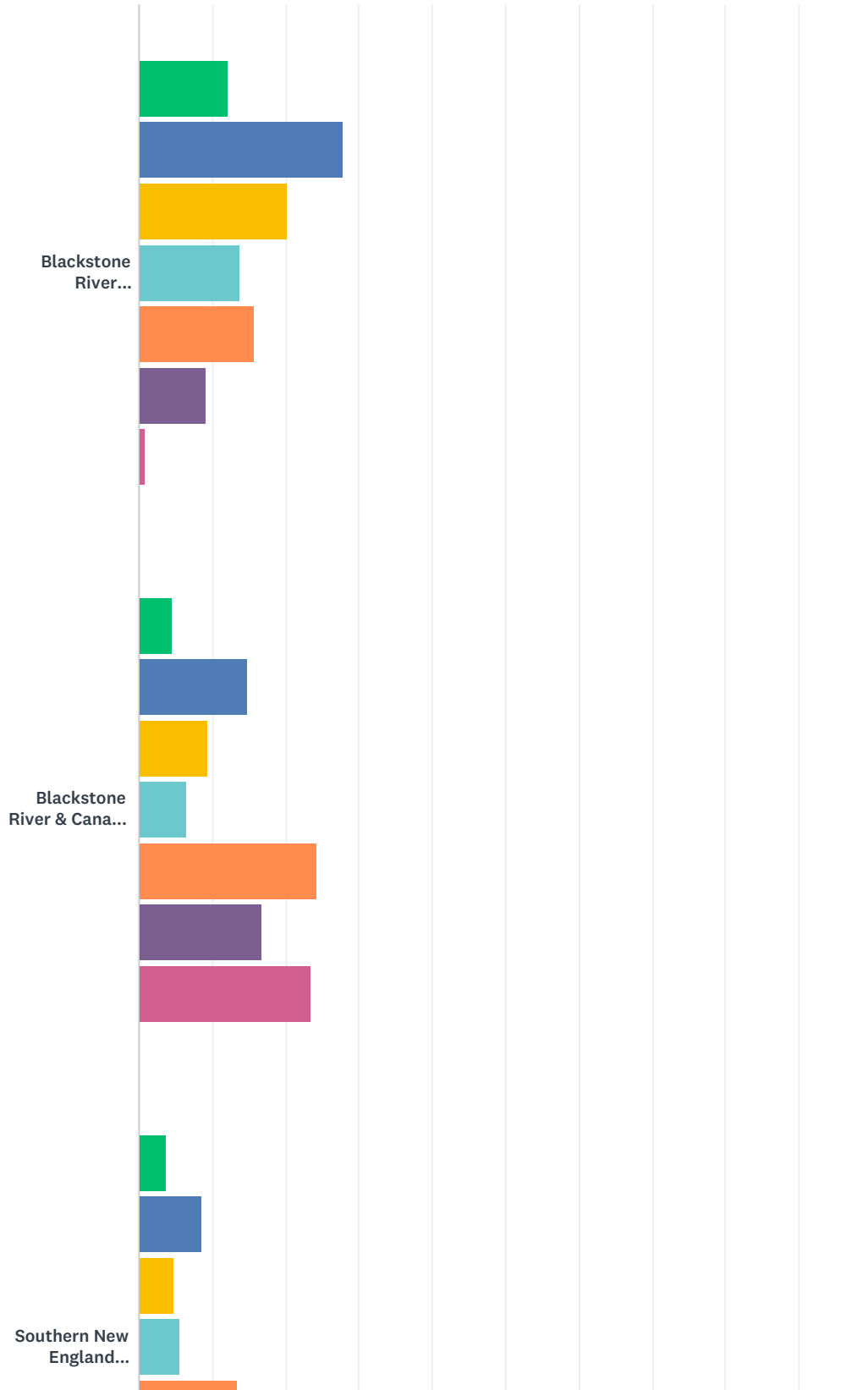
# Millville Open Space and Recreation Plan (OSRP) Survey 2018

Children's play areas	8.74% 9	8.74% 9	24.27% 25	24.27% 25	33.98% 35	103
Dog park	25.47% 27	20.75% 22	21.70% 23	15.09% 16	16.98% 18	106
Hiking and cross country skiing trails	12.38% 13	14.29% 15	26.67% 28	25.71% 27	20.95% 22	105
Bike trails/paths	8.33% 9	8.33% 9	21.30% 23	33.33% 36	28.70% 31	108
Conservation areas	6.60% 7	5.66% 6	27.36% 29	27.36% 29	33.02% 35	106
Sidewalks and walking trails	6.60% 7	3.77% 4	15.09% 16	35.85% 38	38.68% 41	106
Skateboard park	43.81% 46	27.62% 29	18.10% 19	4.76% 5	5.71% 6	105
Lawn games (Horseshoes, etc.)	47.62% 50	21.90% 23	20.95% 22	4.76% 5	4.76% 5	105

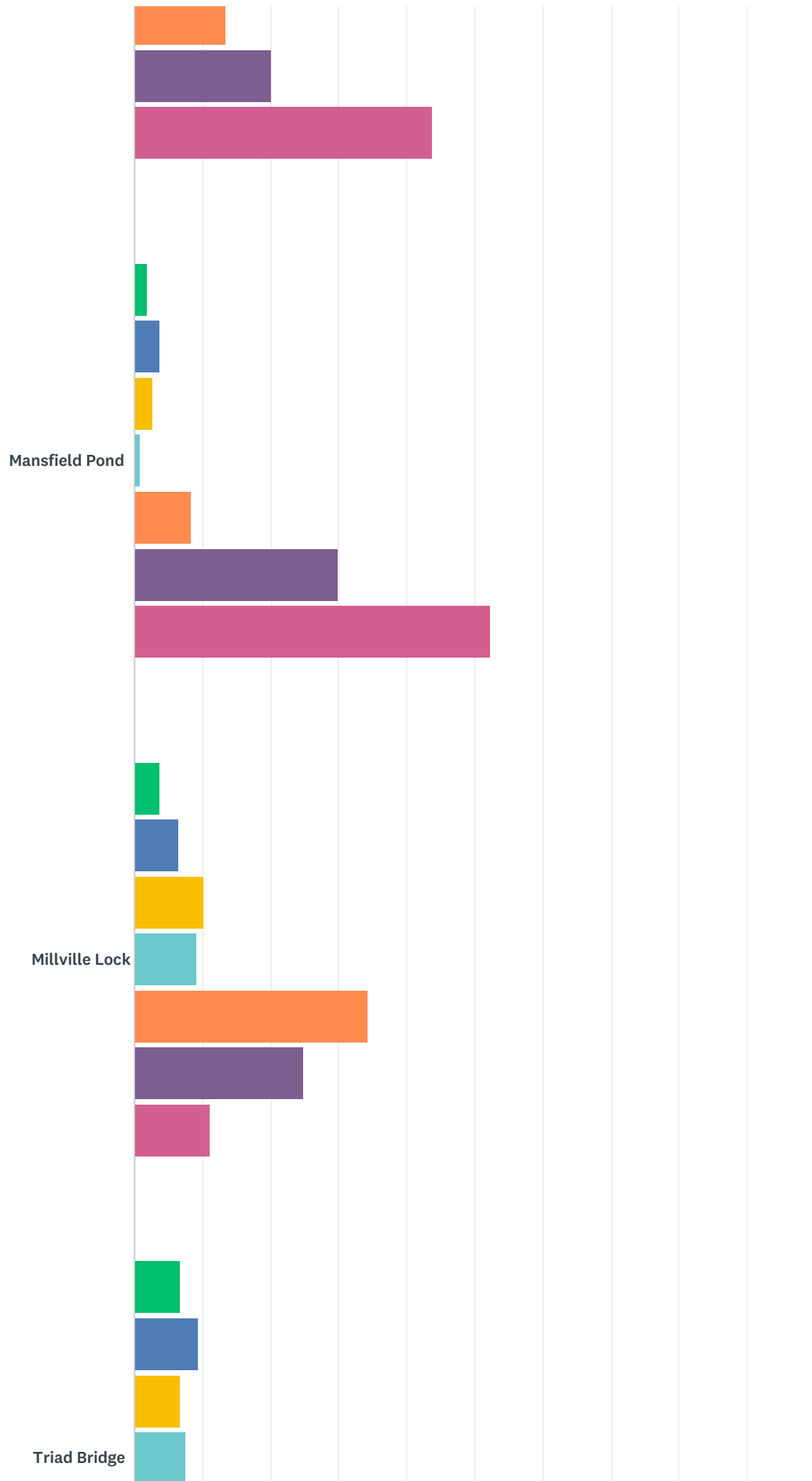


## Q5 How often do you use the following recreation sites or natural resources in Millville in season?

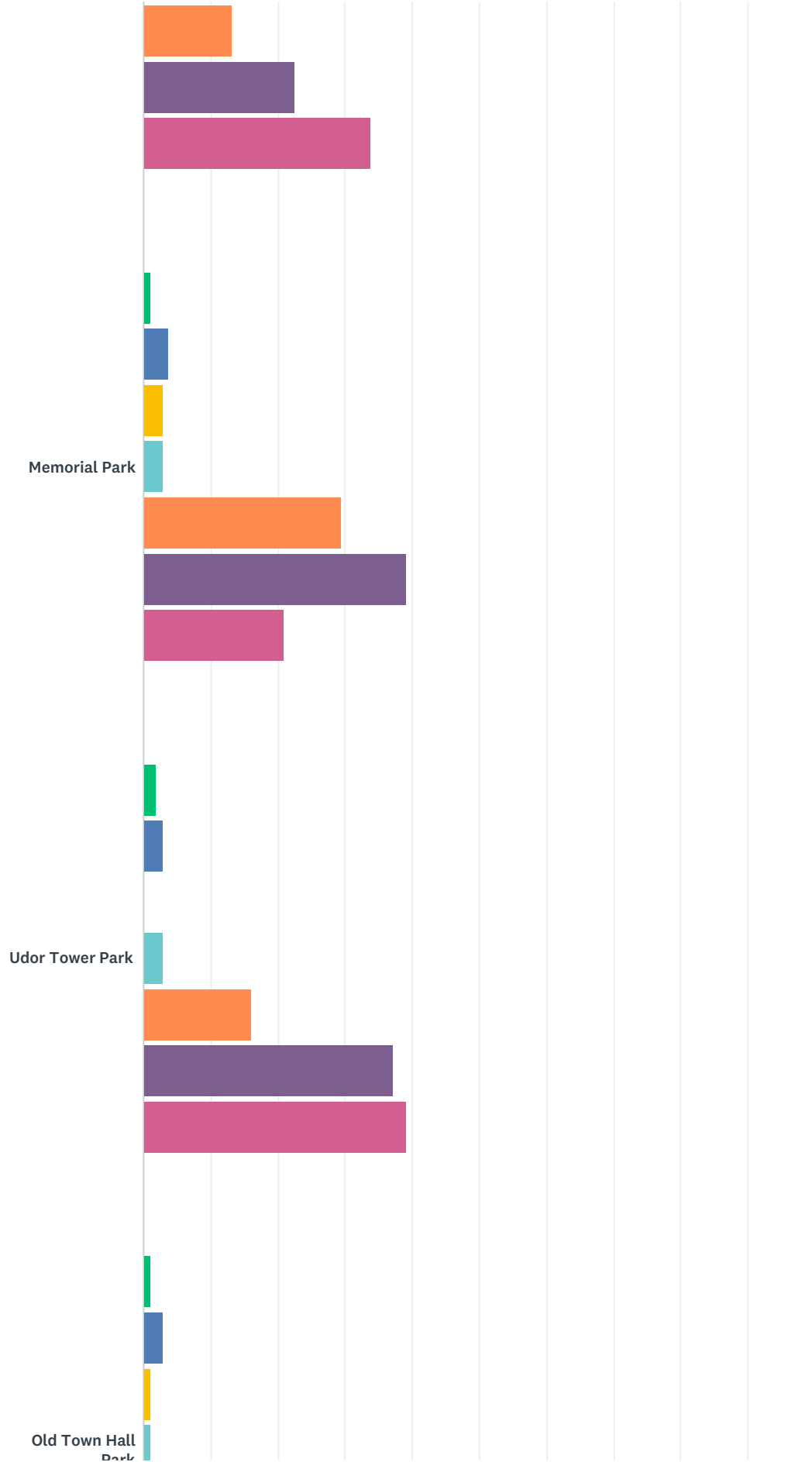
Answered: 108 Skipped: 2



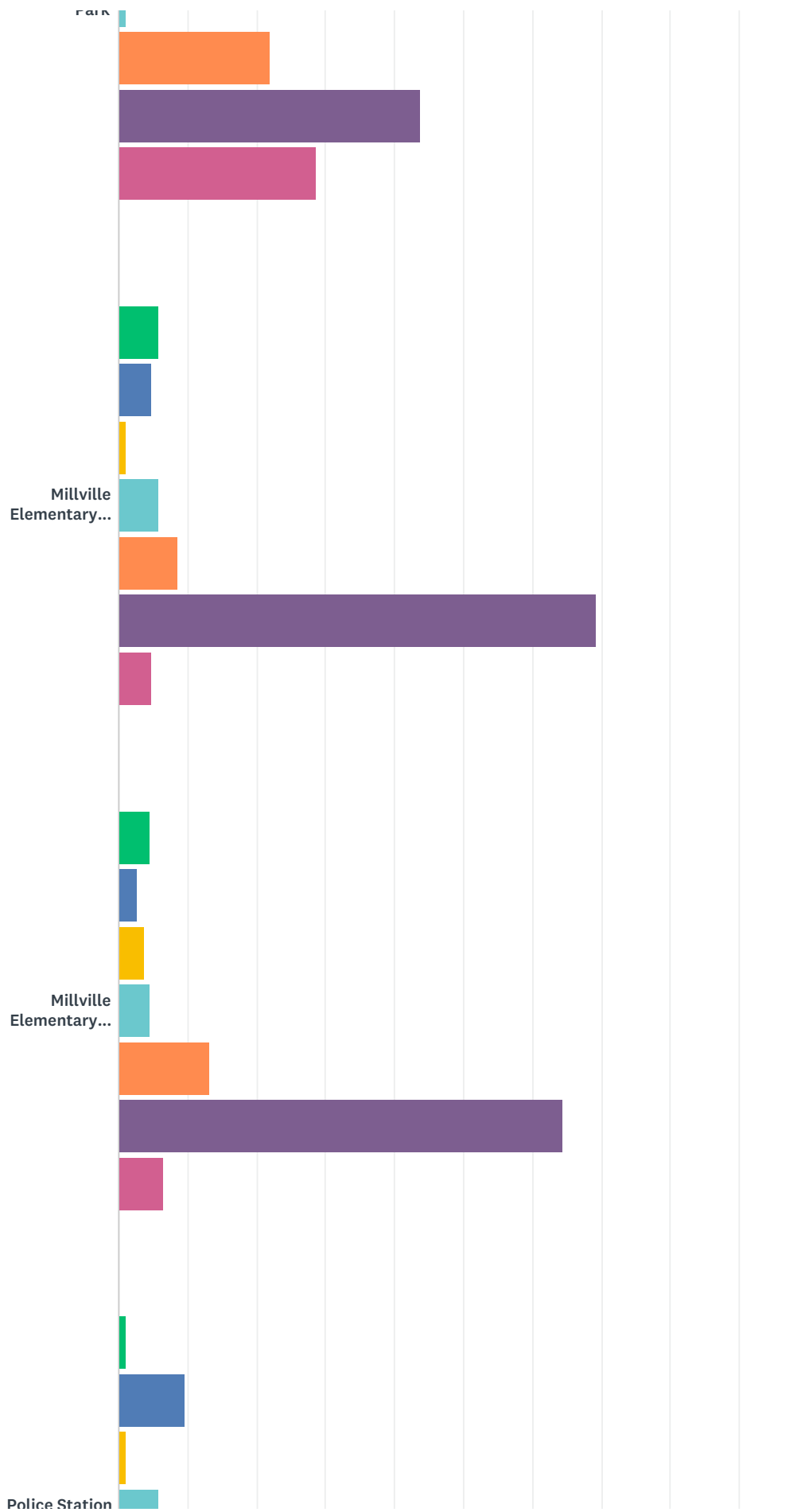
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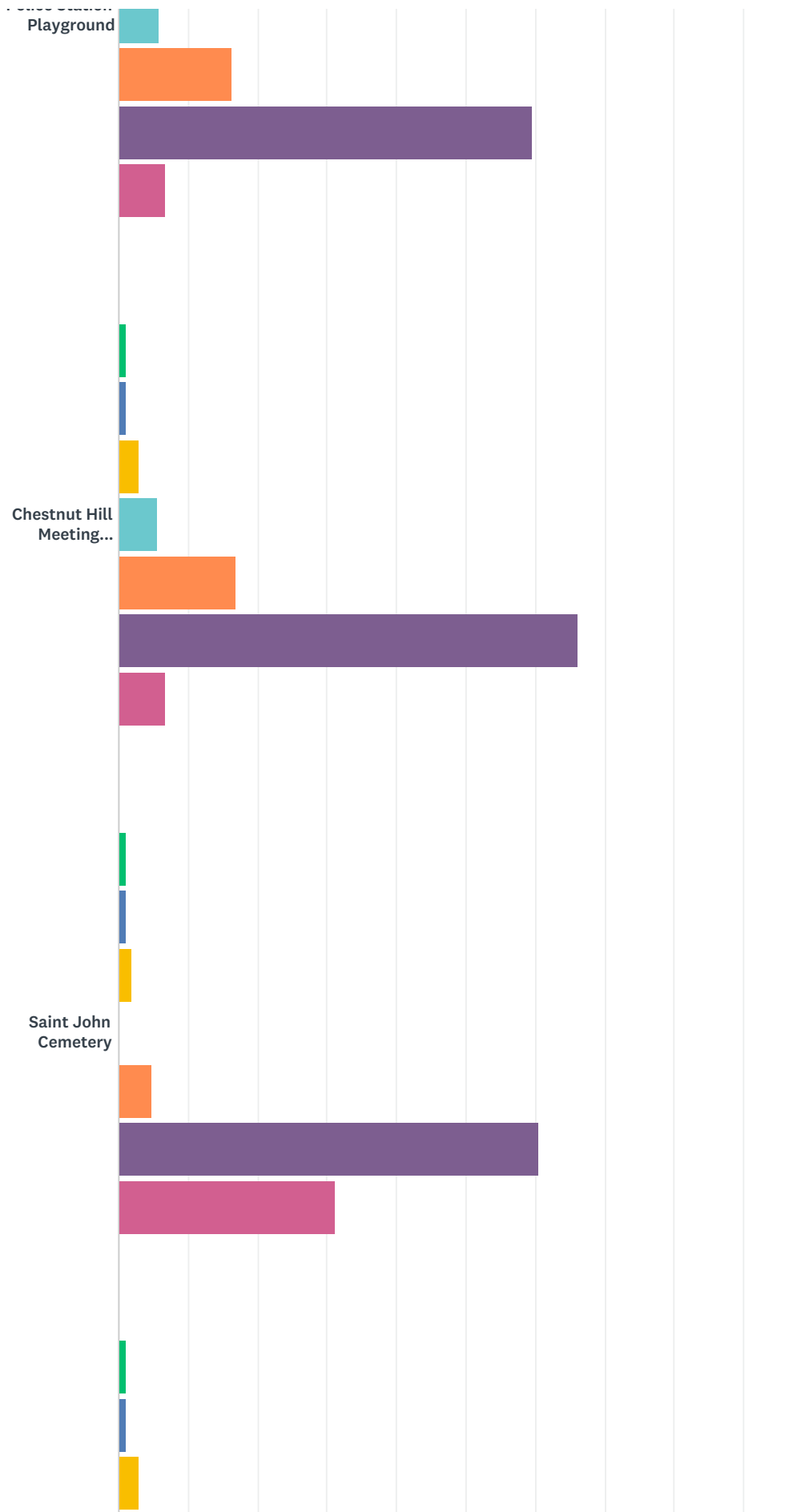
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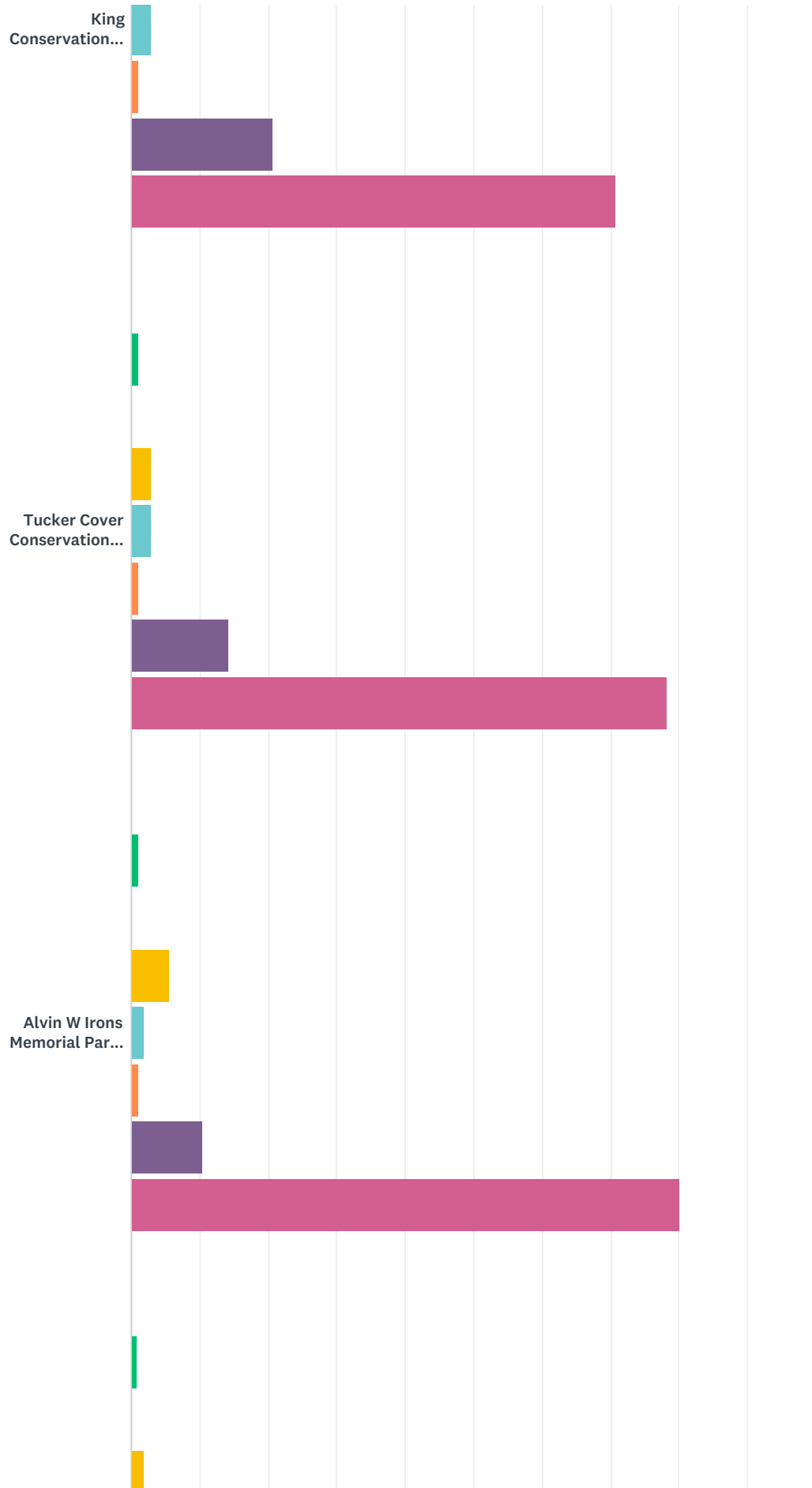
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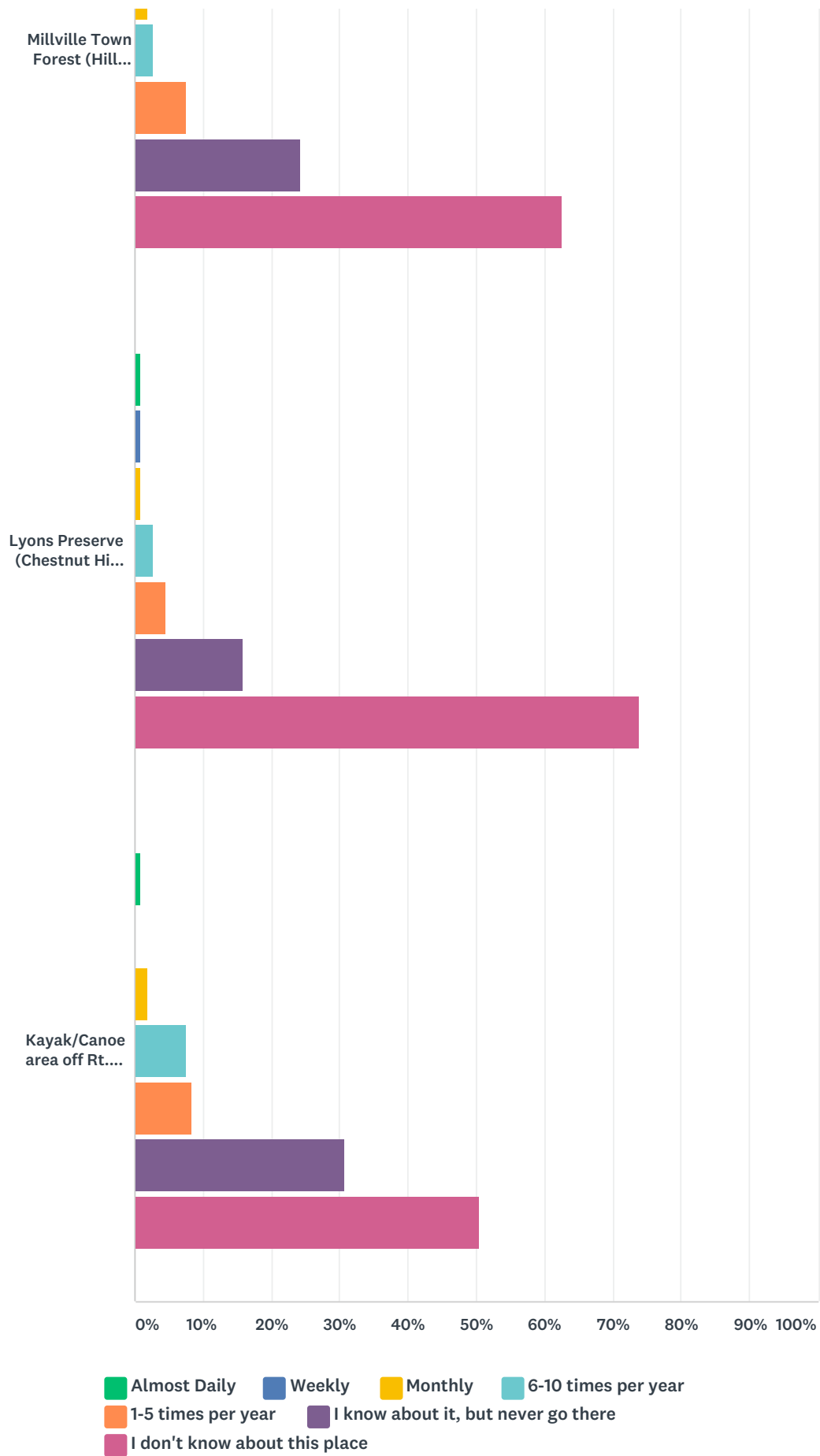
# Millville Open Space and Recreation Plan (OSRP) Survey 2018



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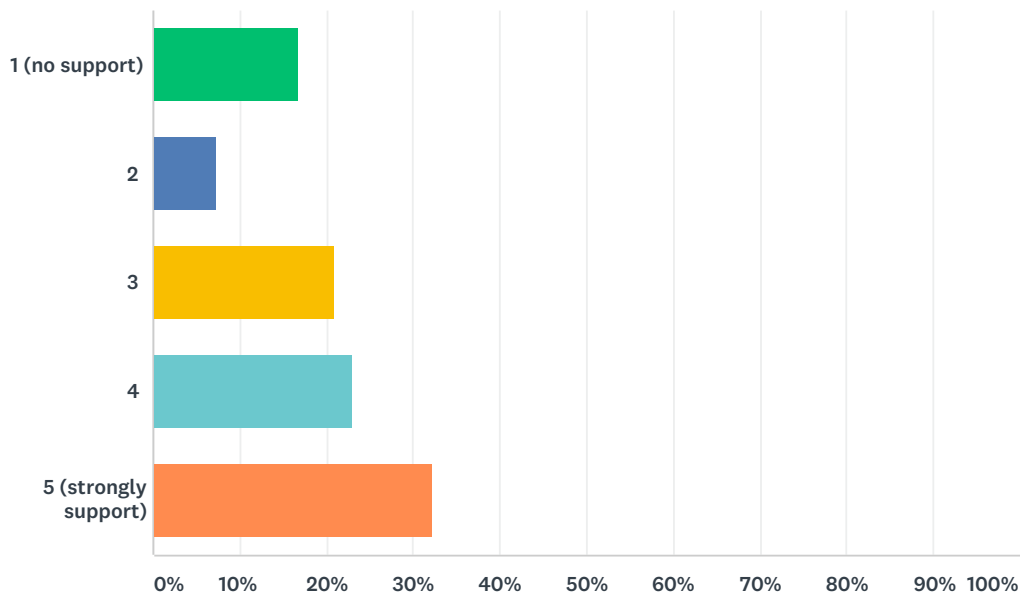


# Millville Open Space and Recreation Plan (OSRP) Survey 2018

	ALMOST DAILY	WEEKLY	MONTHLY	6-10 TIMES PER YEAR	1-5 TIMES PER YEAR	I KNOW ABOUT IT, BUT NEVER GO THERE	I DON'T KNOW ABOUT THIS PLACE	TOTAL
Blackstone River Greenway/Bike Path	12.04% 13	27.78% 30	20.37% 22	13.89% 15	15.74% 17	9.26% 10	0.93% 1	108
Blackstone River & Canal Heritage State Park	4.67% 5	14.95% 16	9.35% 10	6.54% 7	24.30% 26	16.82% 18	23.36% 25	107
Southern New England Trunkline Trail (SNETT)	3.81% 4	8.57% 9	4.76% 5	5.71% 6	13.33% 14	20.00% 21	43.81% 46	105
Mansfield Pond	1.87% 2	3.74% 4	2.80% 3	0.93% 1	8.41% 9	29.91% 32	52.34% 56	107
Millville Lock	3.70% 4	6.48% 7	10.19% 11	9.26% 10	34.26% 37	25.00% 27	11.11% 12	108
Triad Bridge	6.60% 7	9.43% 10	6.60% 7	7.55% 8	13.21% 14	22.64% 24	33.96% 36	106
Memorial Park	0.95% 1	3.81% 4	2.86% 3	2.86% 3	29.52% 31	39.05% 41	20.95% 22	105
Udor Tower Park	1.90% 2	2.86% 3	0.00% 0	2.86% 3	16.19% 17	37.14% 39	39.05% 41	105
Old Town Hall Park	0.95% 1	2.86% 3	0.95% 1	0.95% 1	21.90% 23	43.81% 46	28.57% 30	105
Millville Elementary School Playground	5.77% 6	4.81% 5	0.96% 1	5.77% 6	8.65% 9	69.23% 72	4.81% 5	104
Millville Elementary School Athletic Fields	4.67% 5	2.80% 3	3.74% 4	4.67% 5	13.08% 14	64.49% 69	6.54% 7	107
Police Station Playground	0.96% 1	9.62% 10	0.96% 1	5.77% 6	16.35% 17	59.62% 62	6.73% 7	104
Chestnut Hill Meeting House/Community Center	0.94% 1	0.94% 1	2.83% 3	5.66% 6	16.98% 18	66.04% 70	6.60% 7	106
Saint John Cemetery	0.94% 1	0.94% 1	1.89% 2	0.00% 0	4.72% 5	60.38% 64	31.13% 33	106
King Conservation Area	0.94% 1	0.94% 1	2.83% 3	2.83% 3	0.94% 1	20.75% 22	70.75% 75	106
Tucker Cover Conservation Area	0.94% 1	0.00% 0	2.83% 3	2.83% 3	0.94% 1	14.15% 15	78.30% 83	106
Alvin W Irons Memorial Park and Wildlife Sanctuary	0.94% 1	0.00% 0	5.66% 6	1.89% 2	0.94% 1	10.38% 11	80.19% 85	106
Millville Town Forest (Hill St. area)	0.93% 1	0.00% 0	1.87% 2	2.80% 3	7.48% 8	24.30% 26	62.62% 67	107
Lyons Preserve (Chestnut Hill Rd. area)	0.93% 1	0.93% 1	0.93% 1	2.80% 3	4.67% 5	15.89% 17	73.83% 79	107
Kayak/Canoe area off Rt. 122	0.93% 1	0.00% 0	1.87% 2	7.48% 8	8.41% 9	30.84% 33	50.47% 54	107

**Q6 Please indicate whether or not you would support the adoption of the Community Preservation Act (CPA). The Community Preservation Act (CPA) is a program created by the State of Massachusetts to enhance livability and quality of life in the cities and towns that vote to adopt it. It creates affordable housing, preserves open space and historic sites, and develops outdoor recreational opportunities through the creation of a local Community Preservation Fund. CPA funds are generated by a small surcharge on local property tax bills and then matched by a statewide trust fund to maximize their impact.(1 = no support; 5 = strongly support)**

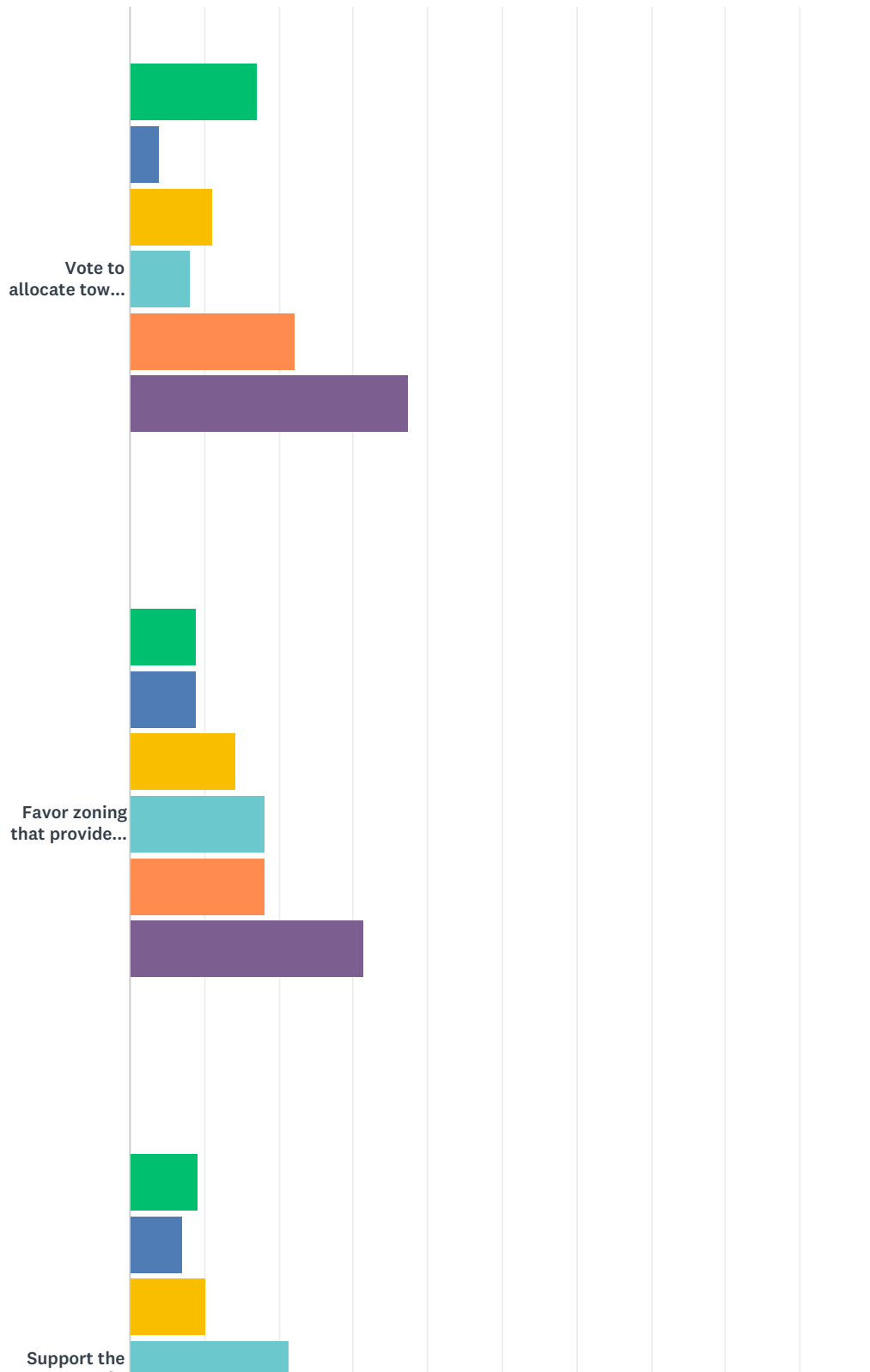
Answered: 96 Skipped: 14



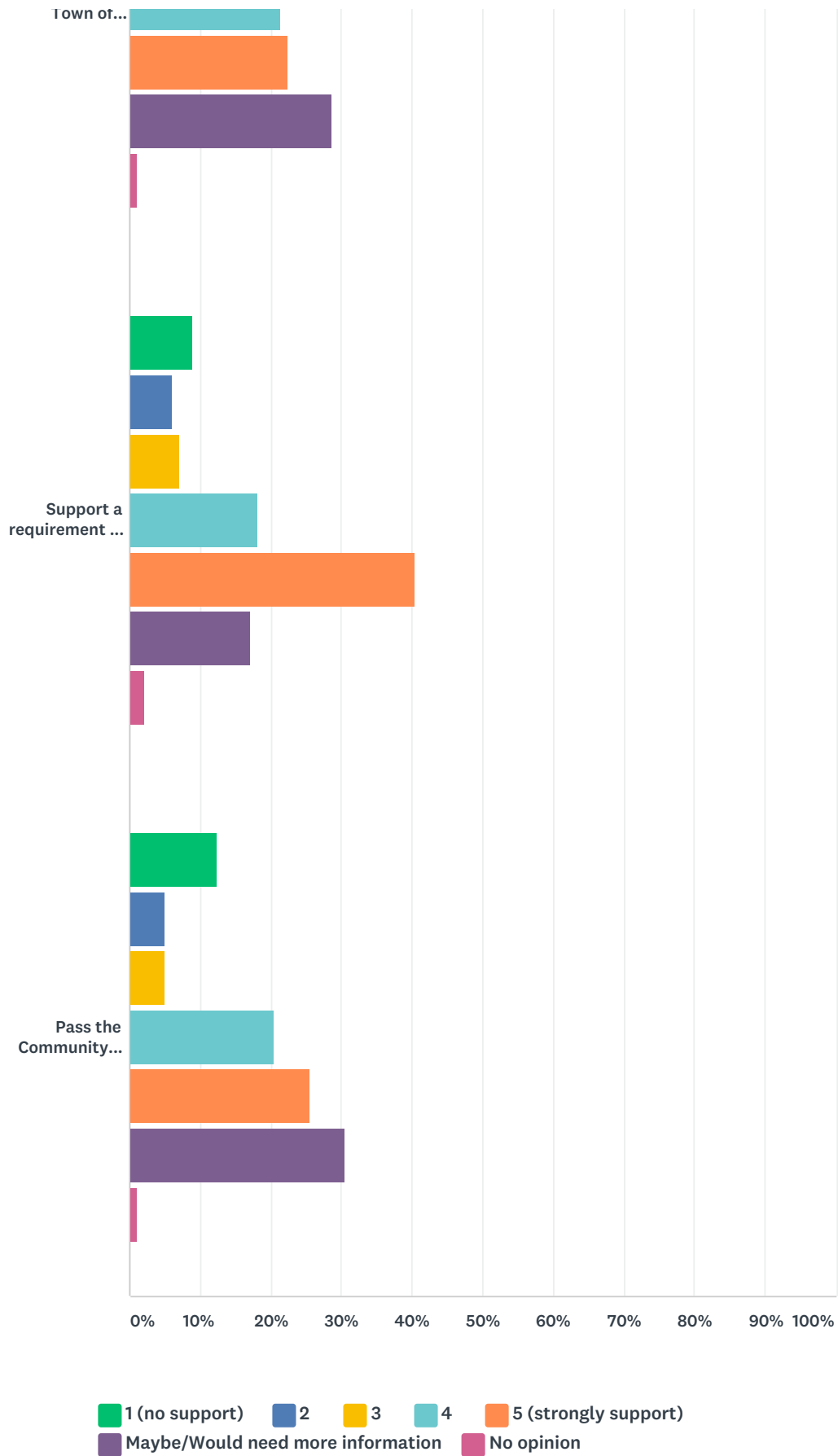
ANSWER CHOICES	RESPONSES	
1 (no support)	16.67%	16
2	7.29%	7
3	20.83%	20
4	22.92%	22
5 (strongly support)	32.29%	31
TOTAL		96

Q7 Please indicate your willingness to preserve open space in Millville in each of the following ways. Select one option per row. (1 = no support; 5 = strongly support)

Answered: 100 Skipped: 10



# Millville Open Space and Recreation Plan (OSRP) Survey 2018

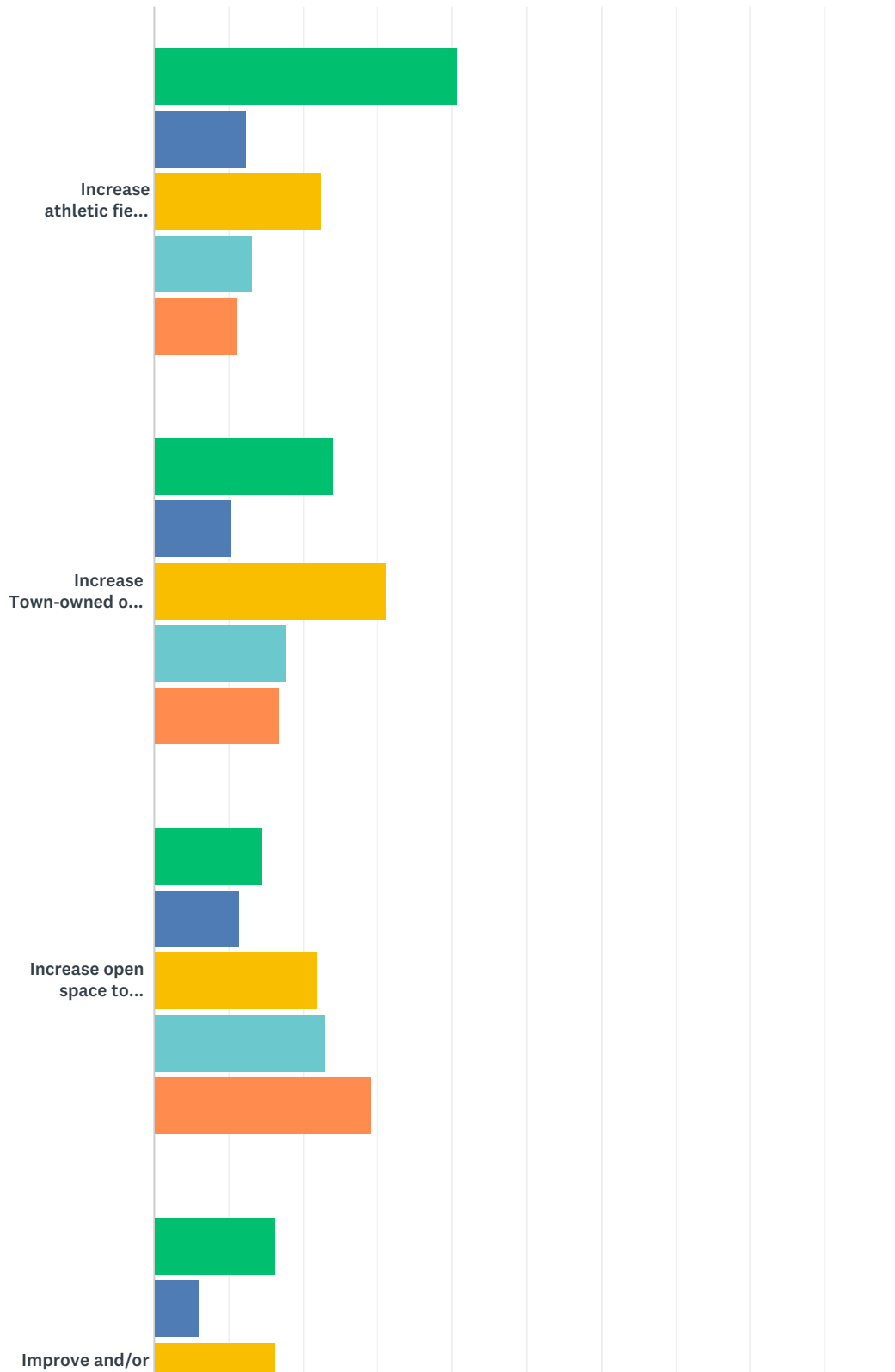


# Millville Open Space and Recreation Plan (OSRP) Survey 2018

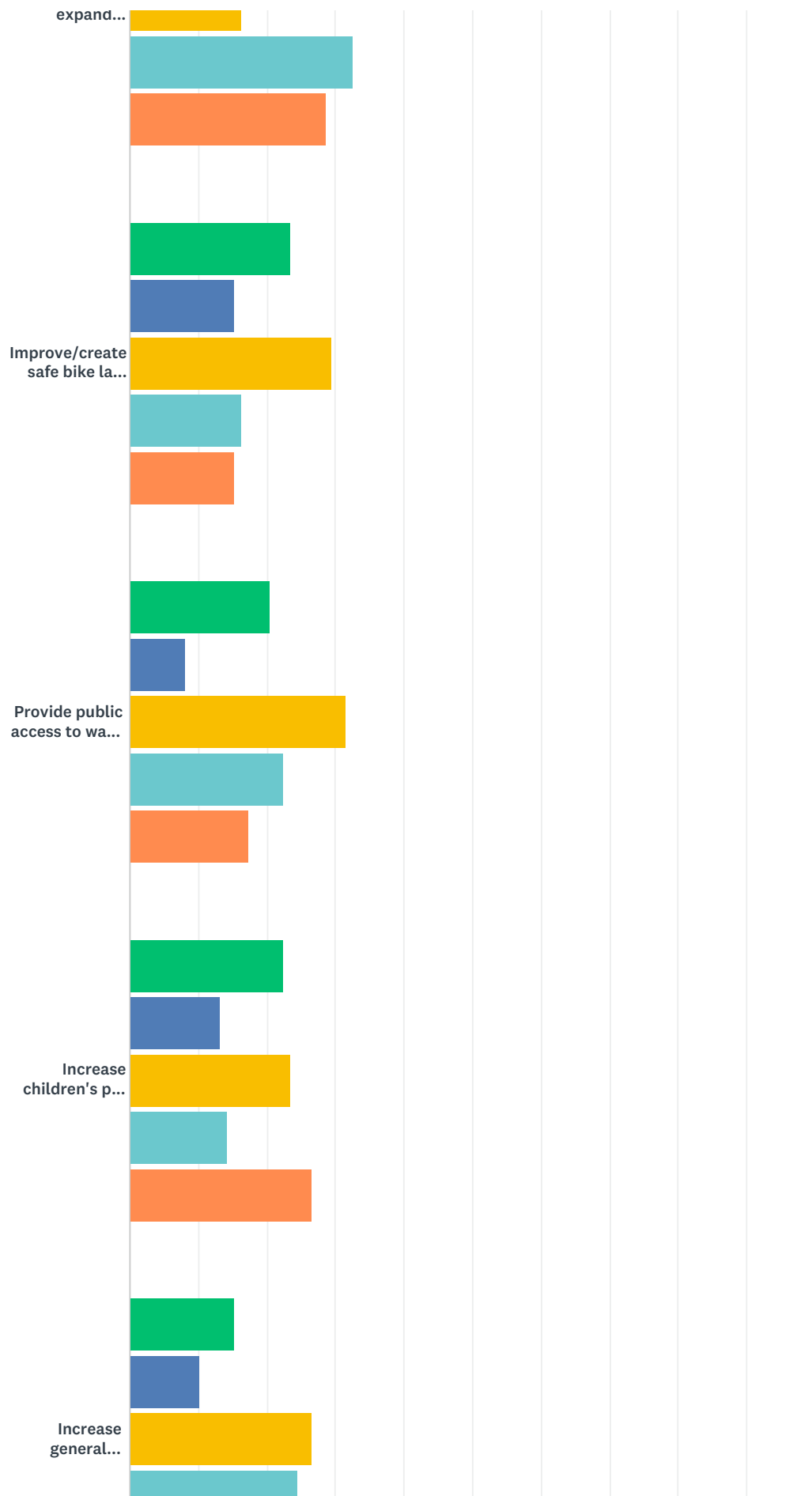
	1 (NO SUPPORT)	2	3	4	5 (STRONGLY SUPPORT)	MAYBE/WOULD NEED MORE INFORMATION	NO OPINION	TOTAL
Vote to allocate town funds to acquire or otherwise conserve more open space?	17.17% 17	4.04% 4	11.11% 11	8.08% 8	22.22% 22	37.37% 37	0.00% 0	99
Favor zoning that provides for increases in density in existing developed areas in exchange for open space in less developed or environmentally sensitive areas?	9.09% 9	9.09% 9	14.14% 14	18.18% 18	18.18% 18	31.31% 31	0.00% 0	99
Support the Town of Millville in acquiring land and allowing just enough development to off-set cost of acquisition while preserving remainder of land (a.k.a. Limited Development)	9.18% 9	7.14% 7	10.20% 10	21.43% 21	22.45% 22	28.57% 28	1.02% 1	98
Support a requirement for all new residential developments to include conservation/open space areas	9.09% 9	6.06% 6	7.07% 7	18.18% 18	40.40% 40	17.17% 17	2.02% 2	99
Pass the Community Preservation Act (CPA)	12.24% 12	5.10% 5	5.10% 5	20.41% 20	25.51% 25	30.61% 30	1.02% 1	98

**Q8 Please indicate whether you would support TOWN FUNDING for the following objectives if grant money were not available. Check one box per row. (1 = no support; 5 = strongly support)**

Answered: 99 Skipped: 11

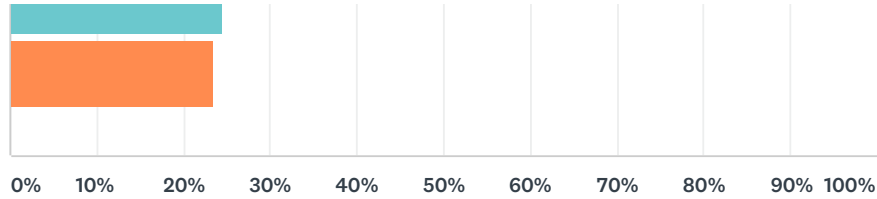


# Millville Open Space and Recreation Plan (OSRP) Survey 2018





## Millville Open Space and Recreation Plan (OSRP) Survey 2018

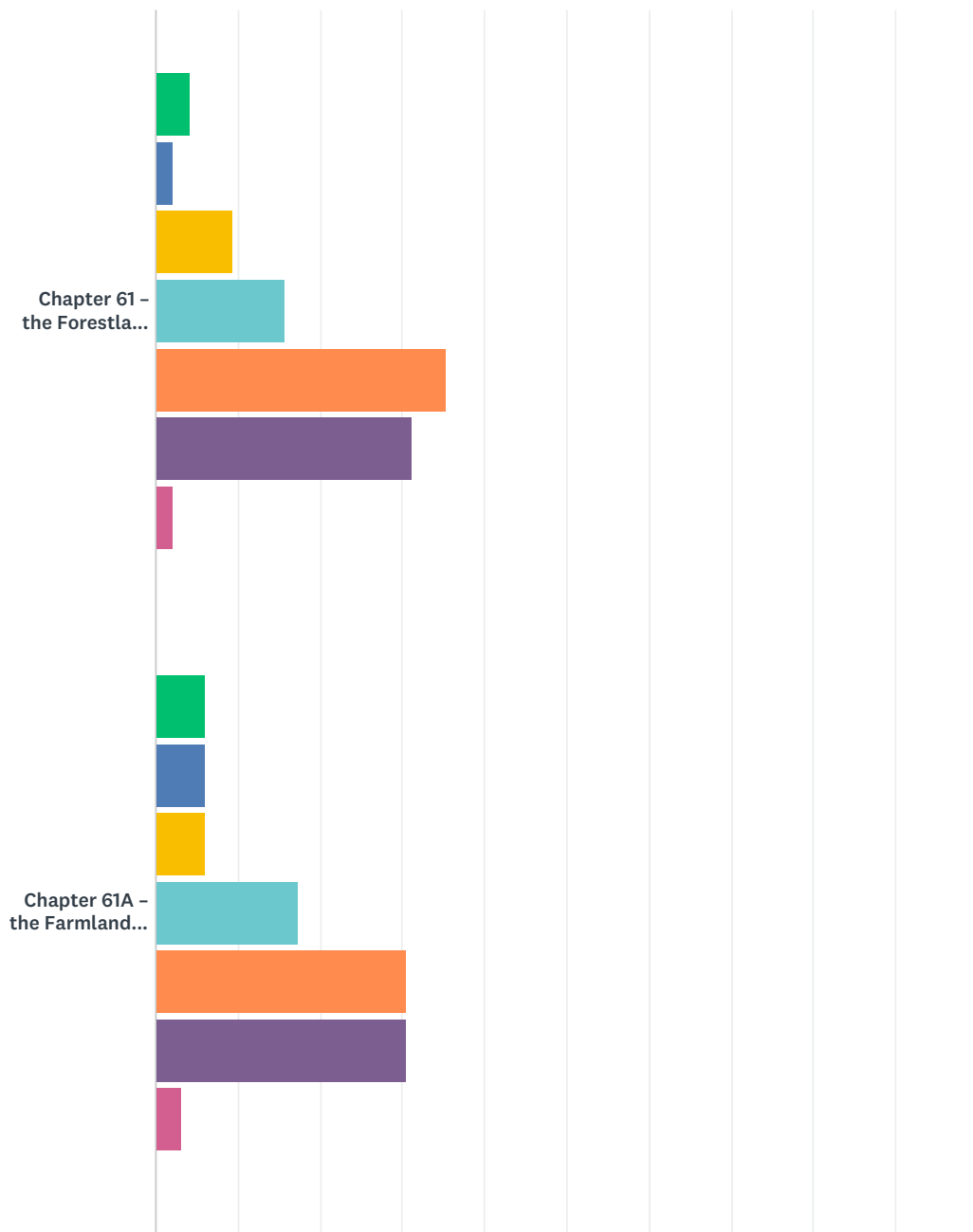


■ 1 (no support) 
 ■ 2 
 ■ 3 
 ■ 4 
 ■ 5 (strongly support)

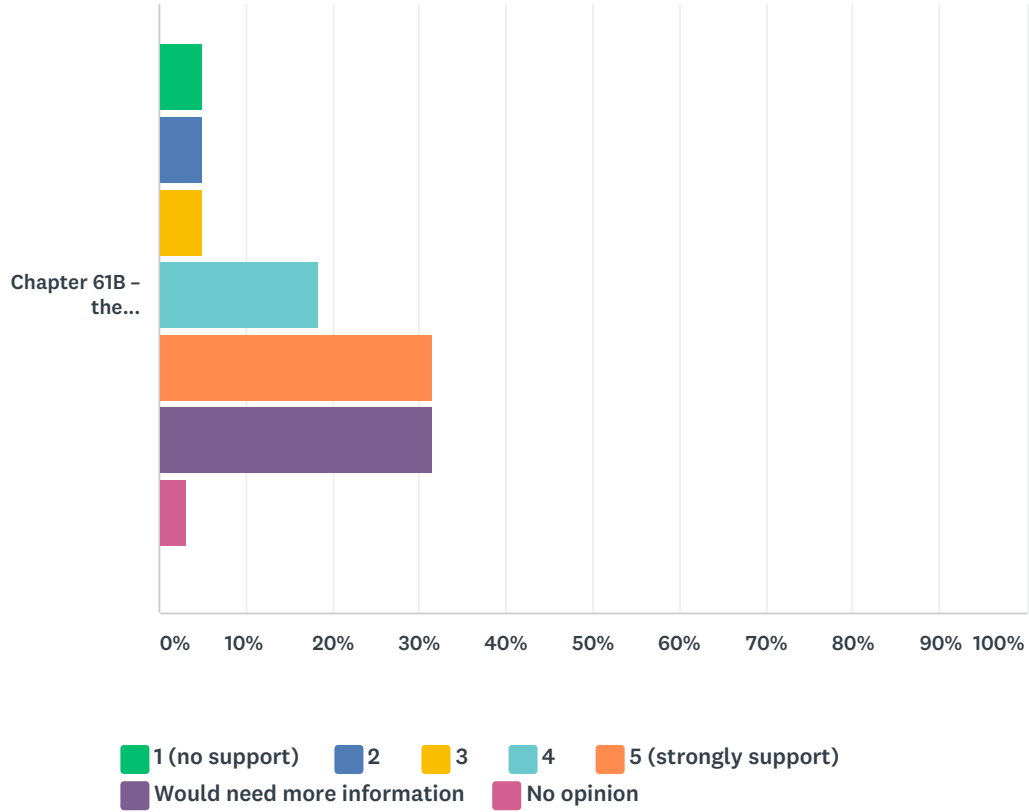
	1 (NO SUPPORT)	2	3	4	5 (STRONGLY SUPPORT)	TOTAL
Increase athletic field facilities	40.82% 40	12.24% 12	22.45% 22	13.27% 13	11.22% 11	98
Increase Town-owned open space throughout Town	23.96% 23	10.42% 10	31.25% 30	17.71% 17	16.67% 16	96
Increase open space to protect Town water resources	14.58% 14	11.46% 11	21.88% 21	22.92% 22	29.17% 28	96
Improve and/or expand sidewalks in Town	16.33% 16	6.12% 6	16.33% 16	32.65% 32	28.57% 28	98
Improve/create safe bike lanes on existing roads	23.47% 23	15.31% 15	29.59% 29	16.33% 16	15.31% 15	98
Provide public access to water resources in Town	20.41% 20	8.16% 8	31.63% 31	22.45% 22	17.35% 17	98
Increase children's play equipment (swings, climbing)	22.45% 22	13.27% 13	23.47% 23	14.29% 14	26.53% 26	98
Increase general maintenance of existing grounds, buildings, and landscape	15.31% 15	10.20% 10	26.53% 26	24.49% 24	23.47% 23	98

**Q9 The State offers programs to cities and towns to encourage preservation of forest land, farm land, and open space. These programs incentivize landowners to preserve their land in 1 of 3 ways in exchange for lower property tax assessments. As development increases and property rates rise, landowners may feel pressured to sell parcels they might otherwise not. These programs attempt to reduce some of this pressure and help maintain a variety of open spaces in Town. To what extent would you support any one of these programs in Millville? Select one answer per row. (1 = no support; 5 = strongly support)**

Answered: 98 Skipped: 12



## Millville Open Space and Recreation Plan (OSRP) Survey 2018

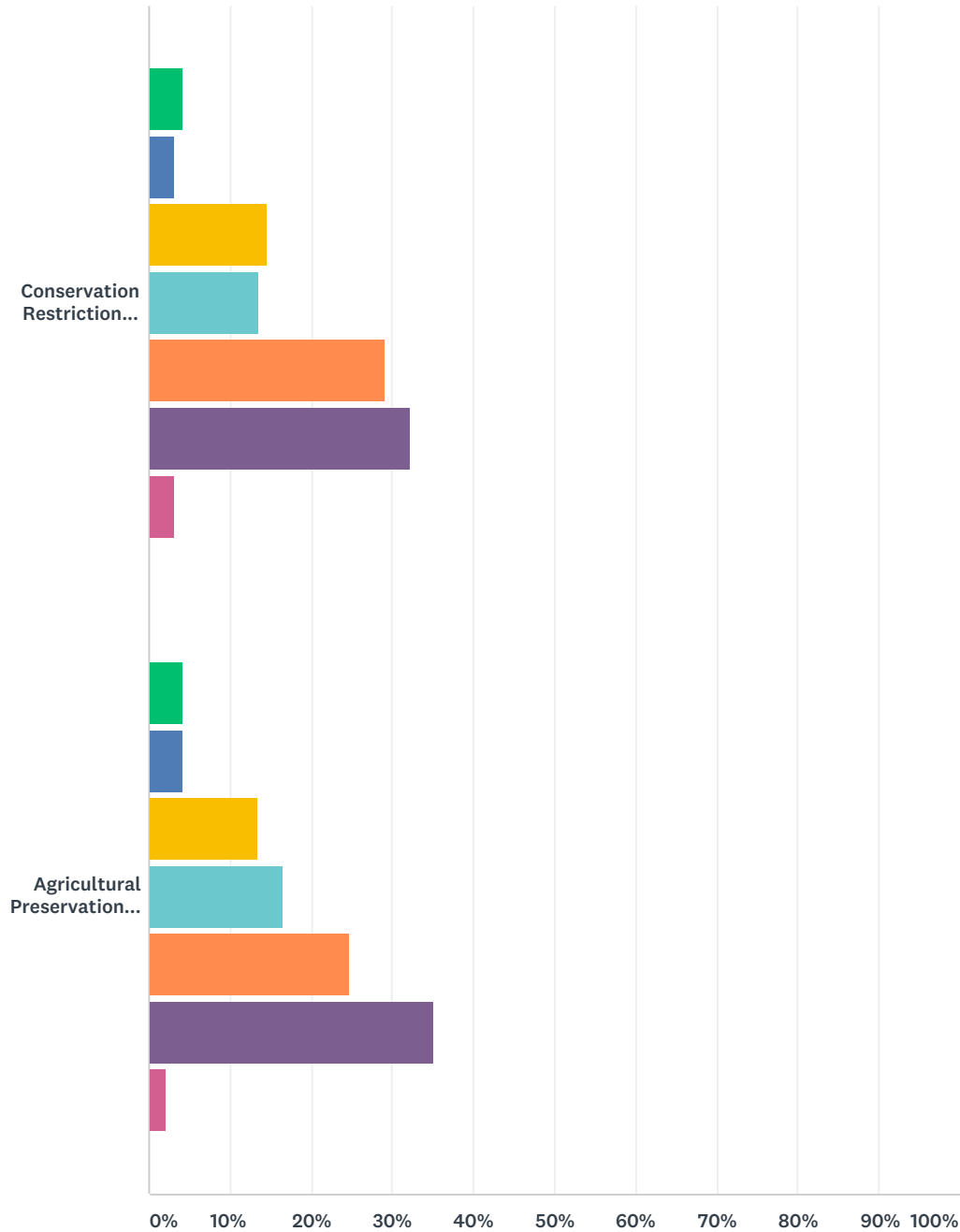


	1 (NO SUPPORT)	2	3	4	5 (STRONGLY SUPPORT)	WOULD NEED MORE INFORMATION	NO OPINION	TOTAL
Chapter 61 – the Forestland Protection Act (forest preservation)	4.17% 4	2.08% 2	9.38% 9	15.63% 15	35.42% 34	31.25% 30	2.08% 2	96
Chapter 61A – the Farmland Assessment Act (farmland preservation)	6.12% 6	6.12% 6	6.12% 6	17.35% 17	30.61% 30	30.61% 30	3.06% 3	98
Chapter 61B – the Recreational Land Act (recreation area space preservation)	5.10% 5	5.10% 5	5.10% 5	18.37% 18	31.63% 31	31.63% 31	3.06% 3	98

Q10 The State also offers land owners the opportunity to enter into agreements to preserve land for a particular use in perpetuity. These programs provide monetary incentives to landowners to enter into agreements to preserve undeveloped land. Agricultural Preservation Restrictions (APR) preserve and protect agricultural land from being developed for non-agricultural purposes and limits any activity that might be harmful to agricultural practices. Conservation Restrictions (CR) preserve land in order to protect conservation values such as the natural, scenic or open condition of land. To what extent would you support these programs in Millville? Select one answer per row. (1 = no support; 5 = strongly support)

Answered: 97   Skipped: 13

# Millville Open Space and Recreation Plan (OSRP) Survey 2018



■ 1 (no support) 
 ■ 2 
 ■ 3 
 ■ 4 
 ■ 5 (strongly support) 
 ■ Would need more information 
 ■ No opinion

	1 (NO SUPPORT)	2	3	4	5 (STRONGLY SUPPORT)	WOULD NEED MORE INFORMATION	NO OPINION	TOTAL
Conservation Restriction (CR)	4.17% 4	3.13% 3	14.58% 14	13.54% 13	29.17% 28	32.29% 31	3.13% 3	96
Agricultural Preservation Restriction (APR)	4.12% 4	4.12% 4	13.40% 13	16.49% 16	24.74% 24	35.05% 34	2.06% 2	97

**Q11 DONE- THANK YOU!**Additional Comments: Please submit any comments that you feel are important to Millville's open space and recreation planning and protection efforts.

Answered: 12   Skipped: 98

**Q12 \*\* OPTIONAL\*\***Please enter your contact information if you would like to stay connected to the project and receive updates. Your contact information will make it possible for us to... See who is responding to the survey Provide you with updates on the Open Space and Recreation Plan (including the date, time and location of the public forum), and Identify and contact potential volunteers

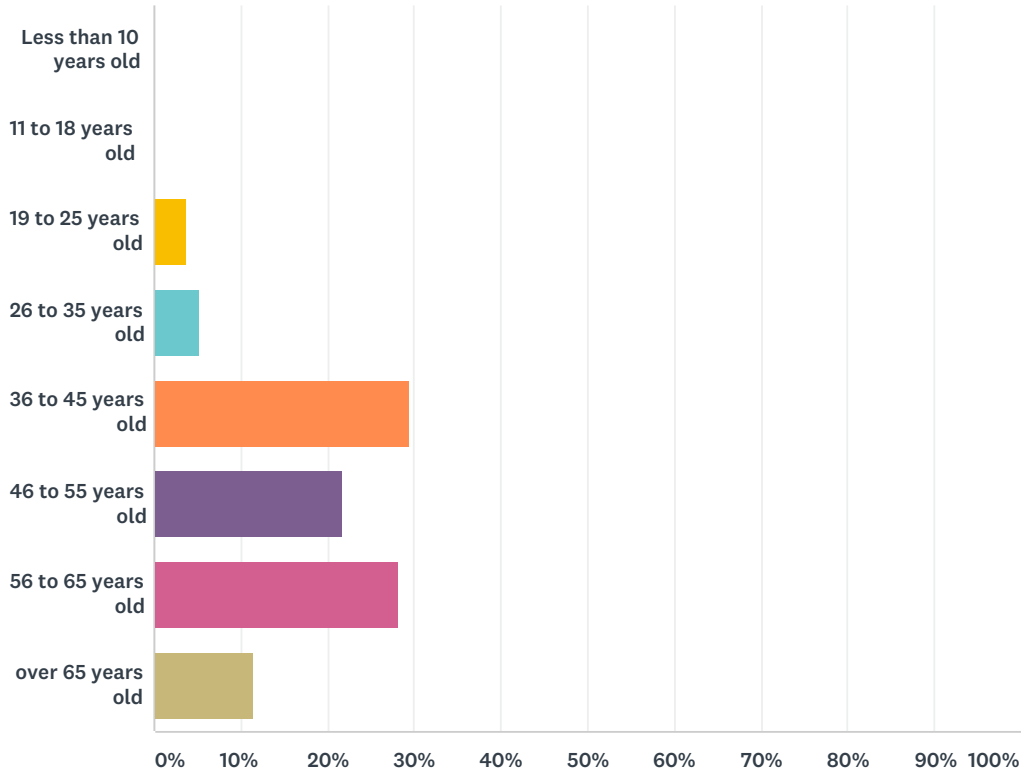
Answered: 37 Skipped: 73

ANSWER CHOICES	RESPONSES	
Name:	86.49%	32
Company:	0.00%	0
Address:	0.00%	0
Address 2:	0.00%	0
City/Town:	100.00%	37
State:	0.00%	0
ZIP/Postal Code:	0.00%	0
United States	0.00%	0
Email Address:	83.78%	31
N/A	0.00%	0



## Q13 What is your age?

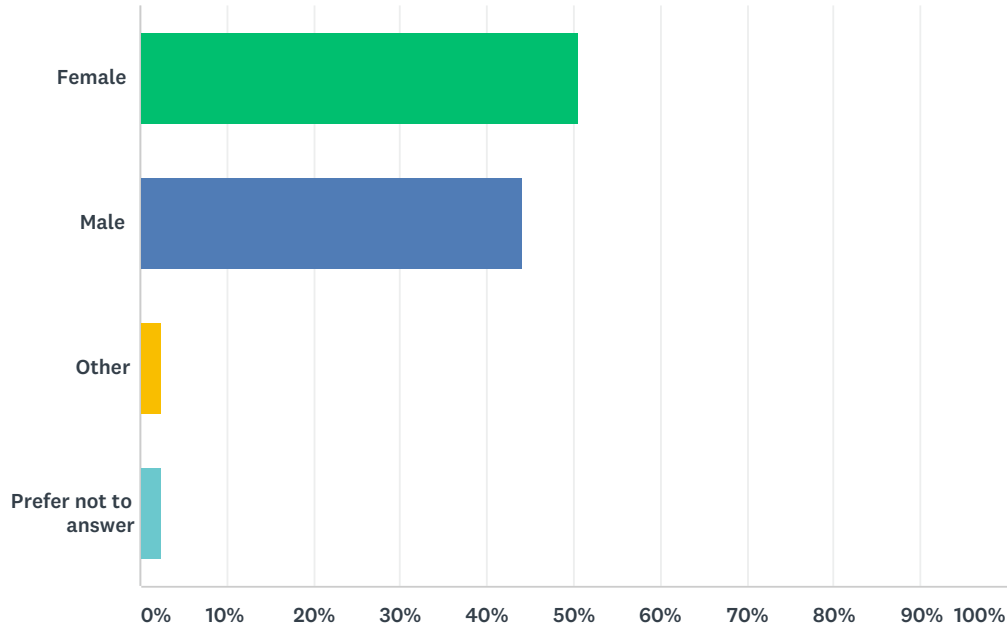
Answered: 78 Skipped: 32



ANSWER CHOICES	RESPONSES	
Less than 10 years old	0.00%	0
11 to 18 years old	0.00%	0
19 to 25 years old	3.85%	3
26 to 35 years old	5.13%	4
36 to 45 years old	29.49%	23
46 to 55 years old	21.79%	17
56 to 65 years old	28.21%	22
over 65 years old	11.54%	9
<b>TOTAL</b>		<b>78</b>

## Q14 What is your gender?

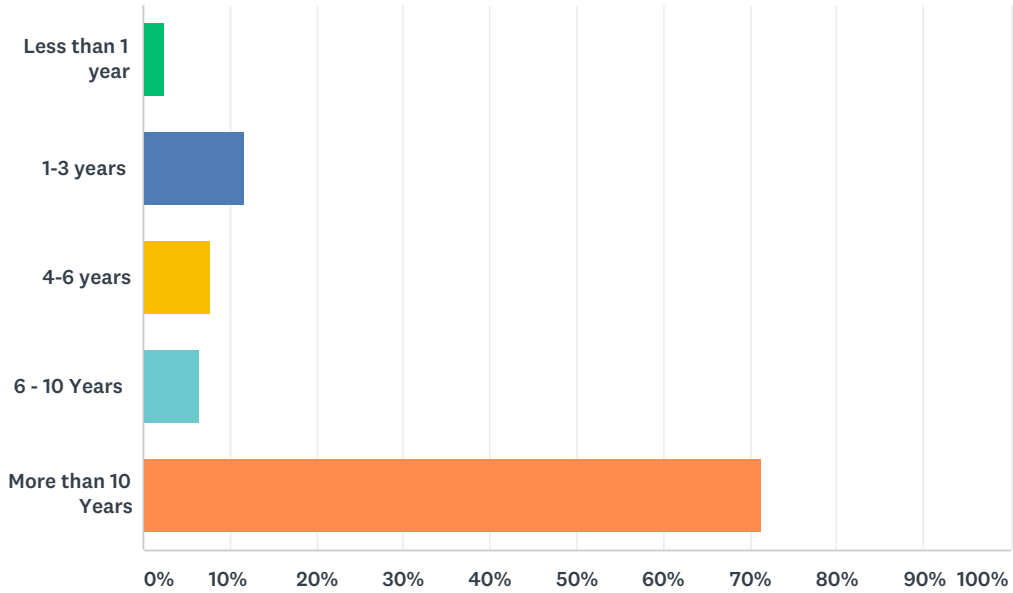
Answered: 77 Skipped: 33



ANSWER CHOICES	RESPONSES	
Female	50.65%	39
Male	44.16%	34
Other	2.60%	2
Prefer not to answer	2.60%	2
TOTAL		77

## Q15 How long have you lived in Millville?

Answered: 77 Skipped: 33



ANSWER CHOICES	RESPONSES	
Less than 1 year	2.60%	2
1-3 years	11.69%	9
4-6 years	7.79%	6
6 - 10 Years	6.49%	5
More than 10 Years	71.43%	55
TOTAL		77

**APPENDIX C: THE MASSACHUSETTS CULTURAL RESOURCE INFORMATION SYSTEM  
(MACRIS) INVENTORY**

# Massachusetts Cultural Resource Information System

## MACRIS

### MACRIS Search Results

Search Criteria: Town(s): Millville; Resource Type(s): Building, Burial Ground, Object, Area, Structure;

Inv. No.	Property Name	Street	Town	Year
MLV.A	Central Street Historic District		Millville	
MLV.B	Taft Area		Millville	
MLV.C	Fletcher Area		Millville	
MLV.D	Burns Avenue		Millville	
MLV.E	Chesnut Hill Road		Millville	
MLV.F	Preston Street		Millville	
MLV.G	Barigan City		Millville	
MLV.H	Chestnut Hill Meeting House		Millville	
MLV.I	Blackstone Canal Historic District		Millville	
MLV.J	Main Street Historic District		Millville	
MLV.84		10 Albion St	Millville	r 1840
MLV.79		18 Bazeley Ave	Millville	r 1880
MLV.80	Walsh, William House	20 Bazeley Ave	Millville	r 1880
MLV.81		39 Bazeley Ave	Millville	r 1880
MLV.904	Blackstone Canal	Blackstone Canal	Millville	1828
MLV.905	Blackstone Canal Towpath	Blackstone Canal	Millville	1828
MLV.906	Providence and Worcester Railroad Bridge	Blackstone River	Millville	c 1900
MLV.907	Massachusetts Central Railroad Bridge	Blackstone River	Millville	1914
MLV.908	Grand Trunk Railroad Bridge over Blackstone River	Blackstone River	Millville	1900
MLV.909	Providence and Worcester Railroad Bridge	Blackstone River	Millville	c 1900
MLV.160		6 Bow St	Millville	c 1900
MLV.161		8 Bow St	Millville	r 1870
MLV.162	Southwick Duplex II	14 Bow St	Millville	r 1845
MLV.76	Southwick Duplex I	15 Bow St	Millville	r 1840
MLV.163	Kidd Tenant House	16 Bow St	Millville	r 1870
MLV.164	Manny Double House	21 Bow St	Millville	r 1845
MLV.165	Gallagher House	23 Bow St	Millville	r 1845
MLV.193		2 Burns Ave	Millville	r 1890
MLV.101	Fletcher - Burns Rental House I	6 Burns Ave	Millville	r 1895
MLV.102	Fletcher - Burns Rental House II	8 Burns Ave	Millville	r 1895
MLV.103	Fletcher - Burns Rental House III	10 Burns Ave	Millville	r 1895
MLV.107	Wilson, Williard Jr. Rental House I	11 Burns Ave	Millville	r 1890
MLV.104	Fletcher - Burns Rental House IV	12 Burns Ave	Millville	r 1895
MLV.105	Fletcher - Burns Rental House V	14 Burns Ave	Millville	r 1895
MLV.108	Wilson, Williard Jr. Rental House II	15 Burns Ave	Millville	r 1890
MLV.106	Fletcher - Burns Rental House VI	16 Burns Ave	Millville	r 1895
MLV.803	Wilson - Millville Cemetery	Central St	Millville	r 1780
MLV.900	Central Street Bridge over P & W Railroad	Central St	Millville	1917
MLV.912	Central Street Bridge over Blackstone River	Central St	Millville	1938
MLV.913	Central Street Bridge over Abandoned Millrace	Central St	Millville	1938
MLV.918	Central Street Bridge over Blackstone River	Central St	Millville	1935
MLV.97	Tucker Duplex	4 Central St	Millville	r 1840
MLV.48	Hall, Edward S. House	5 Central St	Millville	c 1840
MLV.49	Longfellow Elementary School	8 Central St	Millville	1850
MLV.902	Udor Tower	10 Central St	Millville	r 1885
MLV.166	U. S. Post Office - Millville Branch	31 Central St	Millville	c 1970
MLV.139		32 Central St	Millville	c 1970
MLV.167	Conlon Block	36 Central St	Millville	r 1870
MLV.168	Wilson Block	37 Central St	Millville	r 1870
MLV.169	O'Gara Block	38 Central St	Millville	r 1870
MLV.170	Wilson House	39 Central St	Millville	c 1830
MLV.50	Capron, Collins House	40 Central St	Millville	c 1750
MLV.171	Dean House	43 Central St	Millville	c 1960
MLV.51	Moran, James Building	44 Central St	Millville	c 1890
MLV.52	Wilson, S. House	46 Central St	Millville	c 1831
MLV.54	Saint John's Episcopal Church	49 Central St	Millville	1850
MLV.53	Sherman, Jemima House	52 Central St	Millville	r 1865
MLV.172	Lewis House	54 Central St	Millville	r 1845
MLV.55	Benson, Henry House	60 Central St	Millville	r 1840
MLV.56	Holt House	61 Central St	Millville	r 1890
MLV.58	Saint Mark's Lutheran Church	63 Central St	Millville	1892
MLV.57	Kidd, James House	64 Central St	Millville	r 1880
MLV.59	Hall, Edward S. House	65 Central St	Millville	r 1840
MLV.60	Aldrich, S. House	66 Central St	Millville	r 1840
MLV.61	Cook, George - Aldrich, Otis House	70 Central St	Millville	c 1845
MLV.62	White, John B. House	71 Central St	Millville	r 1840
MLV.63	Bowes, Michael J. House	72 Central St	Millville	r 1905

MLV.64	Bowes, William - Buckley, Timothy House	80 Central St	Millville	c 1900
MLV.65	Gifford, Farnum - Pitts, James House	83 Central St	Millville	r 1845
MLV.66	Mansfield, Henry S. House	84 Central St	Millville	r 1840
MLV.67	Mansfield, Henry S. Duplex	102 Central St	Millville	r 1840
MLV.68	Trask, Elijah House	107 Central St	Millville	c 1830
MLV.173	Rectory Barn	11 Chesley St	Millville	r 1865
MLV.174	Saxe Cottage	12 Chesley St	Millville	r 1880
MLV.175	Grey Cottage	13 Chesley St	Millville	r 1880
MLV.176	Ferguson Cottage	14 Chesley St	Millville	r 1880
MLV.177	Pitts Cottage	15 Chesley St	Millville	r 1880
MLV.178	King Cottage	16 Chesley St	Millville	r 1880
MLV.179	Scott, Fanny Cottage	17 Chesley St	Millville	r 1880
MLV.180	Southwick Cottage I	18 Chesley St	Millville	r 1880
MLV.181	Scott, G. O. House	19 Chesley St	Millville	r 1880
MLV.182	Southwick Cottage II	20 Chesley St	Millville	r 1880
MLV.183	Scott, G. O. Cottage II	21 Chesley St	Millville	r 1880
MLV.184	Richardson Cottage	23 Chesley St	Millville	r 1880
MLV.19	Benson, Mellen House	8 Chestnut Hill Rd	Millville	c 1830
MLV.18	Lindley, James House	18 Chestnut Hill Rd	Millville	r 1840
MLV.194		27 Chestnut Hill Rd	Millville	r 1880
MLV.195		28 Chestnut Hill Rd	Millville	c 1980
MLV.196		29 Chestnut Hill Rd	Millville	r 1880
MLV.197		30 Chestnut Hill Rd	Millville	c 1980
MLV.198		31 Chestnut Hill Rd	Millville	c 1940
MLV.199		33 Chestnut Hill Rd	Millville	r 1840
MLV.109	Logan, James House	34 Chestnut Hill Rd	Millville	r 1880
MLV.110	Wilson, Williard Jr. Rental House III	36 Chestnut Hill Rd	Millville	r 1880
MLV.17	McManus, Francis and Bridget Duplex	37 Chestnut Hill Rd	Millville	r 1880
MLV.111	Wilson, Williard Jr. Rental House IV	38 Chestnut Hill Rd	Millville	r 1880
MLV.200		39 Chestnut Hill Rd	Millville	r 1880
MLV.112	Wilson, Williard Jr. Rental House V	40 Chestnut Hill Rd	Millville	r 1880
MLV.201		40 Chestnut Hill Rd	Millville	1880
MLV.202		41 Chestnut Hill Rd	Millville	r 1880
MLV.203		43 Chestnut Hill Rd	Millville	r 1880
MLV.204		45 Chestnut Hill Rd	Millville	r 1880
MLV.205		47 Chestnut Hill Rd	Millville	r 1880
MLV.206		56 Chestnut Hill Rd	Millville	r 1880
MLV.12	Day, N. House	82 Chestnut Hill Rd	Millville	1840
MLV.11	Sargeant, Edward D. House	156 Chestnut Hill Rd	Millville	c 1830
MLV.9	Darling, Leonard W. House	254 Chestnut Hill Rd	Millville	c 1810
MLV.1	Chestnut Hill Meeting House	318 Chestnut Hill Rd	Millville	1769
MLV.800	South Parish Cemetery	318 Chestnut Hill Rd	Millville	1769
MLV.8	Benson, Benoni Stone House	334 Chestnut Hill Rd	Millville	c 1840
MLV.7	Benson, Benoni House	366 Chestnut Hill Rd	Millville	r 1830
MLV.6	Warfield, M. H. House	372 Chestnut Hill Rd	Millville	c 1840
MLV.5	Millville Third District #1 School	381 Chestnut Hill Rd	Millville	1848
MLV.13	Mann, A. House	46 Esty St	Millville	1840
MLV.96	Taft Shop	3 Fisher Rd	Millville	c 1830
MLV.95	Taft, Caleb House	8 Fisher Rd	Millville	c 1830
MLV.98	Fletcher, Charles J. House	6 Fletcher Ave	Millville	c 1880
MLV.99	Fletcher Cottage I	15 Fletcher Ave	Millville	c 1880
MLV.100	Fletcher Cottage II	17 Fletcher Ave	Millville	c 1880
MLV.3	Tourtellott, Jesse House	66 Grove St	Millville	c 1800
MLV.185	Saint John's Episcopal Church Parish House	7 Hope St	Millville	c 1980
MLV.186	Devine, J. House	9 Hope St	Millville	r 1885
MLV.187	Hoard, W. House	11 Hope St	Millville	r 1885
MLV.124		59 Hope St	Millville	c 1886
MLV.125		69 Hope St	Millville	c 1886
MLV.126		73 Hope St	Millville	c 1886
MLV.127		75 Hope St	Millville	c 1886
MLV.128		77 Hope St	Millville	c 1886
MLV.137		78 Hope St	Millville	c 1886
MLV.129		79 Hope St	Millville	c 1886
MLV.136		80 Hope St	Millville	c 1886
MLV.130		81 Hope St	Millville	c 1886
MLV.135		82 Hope St	Millville	c 1886
MLV.131		83 Hope St	Millville	c 1886
MLV.134		84 Hope St	Millville	c 1886
MLV.132		85 Hope St	Millville	c 1886
MLV.133		86 Hope St	Millville	c 1886
MLV.140		Ironstone St	Millville	r 1980
MLV.146		Ironstone St	Millville	c 1920
MLV.149		Ironstone St	Millville	c 1900
MLV.141		10A-B Ironstone St	Millville	r 1850
MLV.142		22 Ironstone St	Millville	r 1850
MLV.143		26 Ironstone St	Millville	r 1850
MLV.144		28 Ironstone St	Millville	r 1920
MLV.71	Hall, Edward S. Duplex	31 Ironstone St	Millville	r 1865
MLV.70	Taft, Charles O. House	36 Ironstone St	Millville	r 1860
MLV.69	Millville Polish American Citizens' Club	37 Ironstone St	Millville	1923
MLV.147		46 Ironstone St	Millville	c 1950
MLV.148		52 Ironstone St	Millville	r 1850
MLV.150		62 Ironstone St	Millville	c 1900

MLV.151		74 Ironstone St	Millville	c 1900
MLV.152		78 Ironstone St	Millville	r 1850
MLV.153		82 Ironstone St	Millville	r 1850
MLV.154		84 Ironstone St	Millville	r 1850
MLV.155		86 Ironstone St	Millville	r 1850
MLV.156		90 Ironstone St	Millville	r 1920
MLV.157		96 Ironstone St	Millville	c 1950
MLV.158		100 Ironstone St	Millville	c 1960
MLV.2	Taft, Dudley - Tourtellott, Eliza House	46A-B Legg St	Millville	c 1800
MLV.159	Thayer, Preserved S. House	1 Lincoln St	Millville	r 1840
MLV.20	Fletcher, Charles Store	5 Lincoln St	Millville	r 1840
MLV.21	Potter, Lewis K. Duplex I	8 Lincoln St	Millville	r 1880
MLV.22	Potter, Lewis K. Duplex II	12 Lincoln St	Millville	r 1880
MLV.23	Saint Augustine's Roman Catholic Church Rectory	13 Lincoln St	Millville	1885
MLV.244	Saint Augustine's Roman Catholic Church	13 Lincoln St	Millville	1970
MLV.207		16 Lincoln St	Millville	r 1840
MLV.208		19 Lincoln St	Millville	r 1860
MLV.209		20 Lincoln St	Millville	c 1980
MLV.210		21 Lincoln St	Millville	r 1890
MLV.211		23 Lincoln St	Millville	r 1890
MLV.212		24 Lincoln St	Millville	r 1890
MLV.213		25 Lincoln St	Millville	r 1890
MLV.214		26 Lincoln St	Millville	r 1890
MLV.24	Schencle, A. Duplex	28 Lincoln St	Millville	r 1865
MLV.215		29 Lincoln St	Millville	r 1890
MLV.216		34 Lincoln St	Millville	r 1890
MLV.25	Feeney, Michael House	35 Lincoln St	Millville	r 1890
MLV.26	Conway, John Duplex I	36 Lincoln St	Millville	r 1890
MLV.27	Conway, John Duplex II	40 Lincoln St	Millville	r 1890
MLV.28	Whalen House	48 Lincoln St	Millville	c 1910
MLV.29	Sullivan House	52 Lincoln St	Millville	r 1910
MLV.30	Southwick, Jacob - Hood House	67 Lincoln St	Millville	r 1830
MLV.31	Massey House	92 Lincoln St	Millville	1924
MLV.32	Fitzgerald, James Duplex	99 Lincoln St	Millville	1894
MLV.33	Holbrook House	109 Lincoln St	Millville	r 1840
MLV.138		Main St	Millville	c 1994
MLV.34	Conway, John Complex	128 Main St	Millville	c 1890
MLV.35	Carroll, Thomas Francis Duplex	132 Main St	Millville	c 1890
MLV.36	Powers, Jeffrey Duplex	134 Main St	Millville	c 1890
MLV.217		138 Main St	Millville	c 1980
MLV.218		145 Main St	Millville	r 1890
MLV.219		146 Main St	Millville	c 1980
MLV.220		147 Main St	Millville	r 1890
MLV.221		149 Main St	Millville	r 1890
MLV.222		150 Main St	Millville	r 1890
MLV.223		153 Main St	Millville	r 1890
MLV.37	Carroll, John P. House	154 Main St	Millville	c 1903
MLV.38	Hatfield House	158 Main St	Millville	c 1903
MLV.39	Trask, J. House	162 Main St	Millville	r 1840
MLV.40	Smith, Merrill S. House	164 Main St	Millville	r 1840
MLV.224		165 Main St	Millville	r 1890
MLV.41	Southwick, A. - Smith, Merrill House	166-168 Main St	Millville	1832
MLV.225	Millville Public Library	169 Main St	Millville	c 1990
MLV.916	Old Town Hall Park	172 Main St	Millville	
MLV.42	Marshall, George K. House	174 Main St	Millville	r 1880
MLV.43	Kenney, Edward House	176 Main St	Millville	r 1905
MLV.226	Dean, Michael J. House	178 Main St	Millville	1919
MLV.227		179 Main St	Millville	c 1960
MLV.228		180 Main St	Millville	r 1865
MLV.44	Woonsocket Rubber Company Office Building	181 Main St	Millville	1882
MLV.901	Woonsocket Rubber Company Water Tower	181 Main St	Millville	r 1920
MLV.229		182 Main St	Millville	1925
MLV.230	Pot Belly Pub	185 Main St	Millville	c 1945
MLV.45	Fairbanks, Asa House	186 Main St	Millville	r 1840
MLV.231		191 Main St	Millville	r 1950
MLV.232		193-195 Main St	Millville	c 1980
MLV.233	Millville Fire Station	196 Main St	Millville	c 1980
MLV.917	Providence and Worcester Railroad Tracks	199 Main St	Millville	
MLV.46	King Block	200 Main St	Millville	1925
MLV.234	Legg, Lyman House	210 Main St	Millville	c 1850
MLV.47	Wilson, Willard - Buffum, Moses House	214 Main St	Millville	1812
MLV.801	Millville Cemetery, Old	220 Main St	Millville	r 1750
MLV.235		234 Main St	Millville	r 1890
MLV.236		236 Main St	Millville	r 1890
MLV.237		240 Main St	Millville	c 1920
MLV.238		242 Main St	Millville	r 1890
MLV.239		244 Main St	Millville	r 1890
MLV.240		246 Main St	Millville	r 1890
MLV.16	Burns, Andrew House	250 Main St	Millville	r 1905
MLV.15	Cook, Daniel G. House	252 Main St	Millville	r 1860
MLV.4	Millville Second District #1 School	38 Old Chestnut Hill Rd	Millville	1820
MLV.94	Taft, Caleb House	90 Old Chestnut Rd	Millville	c 1850
MLV.113		7 Preston St	Millville	r 1890

MLV.114		9 Preston St	Millville	r 1890
MLV.117		10 Preston St	Millville	r 1890
MLV.115		11 Preston St	Millville	r 1890
MLV.118		12 Preston St	Millville	r 1890
MLV.116		15 Preston St	Millville	r 1890
MLV.119		16 Preston St	Millville	r 1890
MLV.903	Blackstone Canal Lock	Prospect St	Millville	1825
MLV.910	Blackstone Canal 20-Mile Marker	Prospect St	Millville	1828
MLV.911	Red Bridge Abutments	Prospect St	Millville	c 1885
MLV.77	Millville Methodist Episcopal Church	10 Prospect St	Millville	1838
MLV.78	Millville Forester's Hall	10 Prospect St	Millville	r 1890
MLV.188	Thayer, Stephen House	11 Prospect St	Millville	c 1830
MLV.120		60 Prospect St	Millville	c 1886
MLV.121		62 Prospect St	Millville	c 1886
MLV.122		64 Prospect St	Millville	c 1886
MLV.123		70 Prospect St	Millville	c 1886
MLV.14	Wilson, Jedediah House	77 Providence St	Millville	c 1830
MLV.802	Wilson Cemetery	85 Providence St	Millville	1799
MLV.85	Saint John's Episcopal Church Parsonage	8 Quaker St	Millville	r 1865
MLV.86	Bowes, Robert J. House	9 Quaker St	Millville	r 1900
MLV.87	Pitts, James House	12 Quaker St	Millville	r 1880
MLV.915		17 Quaker St	Millville	r 1845
MLV.88		21 Quaker St	Millville	c 1920
MLV.89		25 Quaker St	Millville	c 1920
MLV.90		33 Quaker St	Millville	c 1920
MLV.91		46 Quaker St	Millville	r 1905
MLV.92	Davis, Josiah B. House	59 Quaker St	Millville	r 1885
MLV.93	Southwick, Nathan - Aldrich, Thomas W. House	62 Quaker St	Millville	c 1831
MLV.82		12 Summit St	Millville	r 1880
MLV.83		15 Summit St	Millville	r 1880
MLV.10	Thayer, Caleb House	226 Thayer Rd	Millville	r 1750
MLV.242		14 Walnut St	Millville	r 1880
MLV.243		16 Walnut St	Millville	r 1880
MLV.189	Moran House	10 West St	Millville	c 1910
MLV.75	Harkness, Southwick House	11 West St	Millville	r 1840
MLV.190	Keough House	15 West St	Millville	r 1845
MLV.74	Mann, Charles House	16 West St	Millville	r 1840
MLV.191	Ranslow House I	19 West St	Millville	r 1845
MLV.73		20 West St	Millville	r 1840
MLV.192	Ranslow House II and Workshop	21 West St	Millville	r 1845
MLV.72	Capron, Collins House	25 West St	Millville	r 1840



**APPENDIX D: ADA ACCESS SELF EVALUATION, ADA GRIEVANCE PROCEDURE,  
EMPLOYMENT PRACTICES, ADA COORDINATOR LETTER**



**TOWN OF MILLVILLE  
BOARD OF SELECTMEN**

290 Main Street, Millville, MA 01529

Phone: (508) 883-1186

Fax: (508) 883-2994

[www.millvillema.org](http://www.millvillema.org)

*Joseph G. Rapoza, Chairman  
Jennifer Dean Wing, Vice Chairman  
Thomas Houle, Secretary  
Erica Blake, Member  
Andrew Alward, Member*

*Jennifer M. Callahan, Town Administrator*

June 26, 2018

Division of Conservation Services  
Executive Office of Energy and Environmental Affairs  
100 Cambridge Street, Suite 900  
Boston, MA 02114

Re: Town of Millville 2018 Open Space and Recreation Plan

Dear Ms. Cryan,

Please be advised, under the provisions of Chapter 23 of the Acts and Resolves of 1995, Jennifer Callahan, Town Administrator, has been appointed as the ADA Coordinator for the Town of Millville.

If any additional information is needed, please do not hesitate to contact me.

Sincerely,

Jennifer Callahan  
Town Administrator

**LOCATION/FACILITY/PROGRAM**

Facility

Town Forest

Activity	Equipment	Notes	Yes	No	Comment
Picnic Facilities	Tables & Benches	Located adjacent to accessible paths		X	
		Access to Open Spaces		X	
		Back and Arm Rests		X	
		Adequate number		X	
	Grills	Height of Cooking Surface		X	
		Located adjacent to accessible paths		X	
	Trash Cans	Located adjacent to accessible paths		X	
	Picnic Shelters	Located adjacent to accessible paths		X	
		Located near accessible water fountains, trash can, restroom, parking, etc.		X	
Trails		Surface material		X	
		Dimensions		X	
		Rails		X	
		Signage (for visually impaired)		X	
Swimming Facilities	Pools	Entrance		X	
		Location from accessible parking		X	
		Safety features i.e. warning for visually impaired		X	
	Beaches	Location from accessible path into water		X	
		Handrails		X	
		Location from accessible parking		X	
		Shade provided		X	
Play Areas (tot lots)	All Play Equipment i.e. swings, slides				
		Same experience provided to all		X	
	Access Routes	Located adjacent to accessible paths		X	
		Enough space between equipment for wheelchair		X	
Game Areas: *ballfield; *basketball; *tennis	Access Routes	Located adjacent to accessible paths		X	
		Berm cuts onto courts		X	
	Equipment	Height		X	
		Dimensions		X	
		Spectator Seating		X	
Boat Docks	Access Routes	Located adjacent to accessible paths		X	
		Handrails		X	
Fishing Facilities	Access Routes	Located adjacent to accessible paths		X	
		Handrails		X	
	Equipment	Arm Rests		X	
		Bait Shelves		X	
		Handrails		X	
		Fish Cleaning Tables		X	
Program-	Are special programs at your	Learn-to-Swim		X	
		Guided Hikes		X	

ming	facilities accessible?	Interpretive Programs		X	
Services and Technical Assistance	Information available in alternative formats i.e. for visually impaired			X	
	Process to request interpretive services (i.e. sign language interpreter) for meetings			X	

## PARKING

### Total Space Required Accessible Spaces Yes No Comment/Transition Notes

Up to 25	1 space			X	
26-50	2 spaces			X	
51-75	3 spaces			X	
76-100	4 spaces			X	
101-150	5 spaces			X	
151-200	6 spaces			X	
201-300	7 spaces			X	
301-400	8 spaces			X	
401-500	9 spaces			X	

### Specification for Accessible Spaces Yes No Comment/Transition Notes

Accessible space located closest to accessible entrance			X	
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.			X	
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle			X	
Van space – minimum of 1 van space for every accessible space, 8 ft wide plus 8 ft aisle. Alternative is to make all accessible spaces 11 ft wide with 5 ft aisle.			X	
Sign with international symbol of accessibility at each space or pair of spaces			X	
Sign minimum 5 ft, maximum 8 ft to top of sign			X	
Surface evenly paved or hard-packed (no cracks)			X	
Surface slope less than 1:20, 5%			X	
Curbside to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present			X	
Curbside is a minimum width of 3 ft, excluding sloped sides, has sloped sides, all slopes not to exceed 1:12, and textured or painted yellow			X	

## RAMPS

### Specifications Yes No Comment/Transition Notes

Slope Maximum 1:12			X	
Minimum width 4 ft between handrails			X	
Handrails on both sides if ramp is longer than 6 ft			X	
Handrails at 34" and 19" from ramp surface			X	
Handrails extend 12" beyond top and bottom			X	
Handgrip oval or round			X	
Handgrip smooth surface			X	

Handgrip diameter between 1¼" and 2"		X	
Clearance of 1½" between wall and wall rail		X	
Non-slip surface		X	
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction		X	

#### Notes

### SITE ACCESS, PATH OF TRAVEL, ENTRANCES

#### Specifications

Yes No Comment/Transition Notes

#### Site Access

Accessible path of travel from passenger disembarking area and parking area to accessible entrance		X	
Disembarking area at accessible entrance		X	
Surface evenly paved or hard-packed		X	
No ponding of water		X	

#### Path of Travel

Path does not require the use of stairs		X	
Path is stable, firm and slip resistant		X	
3 ft wide minimum		X	
Slope maximum 1:20 (5%) and maximum cross pitch is 2% (1:50).		X	
Continuous common surface, no changes in level greater than ½ inch		X	
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane		X	
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"		X	
Curb on the pathway must have curb cuts at drives, parking and drop-offs		X	

#### Entrances

Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and not be the service entrance		X	
Level space extending 5 ft. from the door, interior and exterior of entrance doors		X	
Minimum 32" clear width opening (i.e. 36" door with standard hinge)		X	
At least 18" clear floor area on latch, pull side of door		X	
Door handle no higher than 48" and operable with a closed fist		X	
Vestibule is 4 ft plus the width of the door swinging into the space		X	
Entrance(s) on a level that makes elevators accessible		X	
Door mats less than ½" thick are securely fastened		X	
Door mats more than ½" thick are recessed		X	
Grates in path of travel have openings of ½" maximum		X	

Signs at non-accessible entrance(s) indicate direction to accessible entrance		X	
Emergency egress – alarms with flashing lights and audible signals, sufficiently lighted		X	

## NOTES

## STAIRS and DOORS

### Specifications

### Yes No Comment/Transition Notes

#### Stairs

No open risers		X	
Nosings not projecting		X	
Treads no less than 11" wide		X	
Handrails on both sides		X	
Handrails 34"-38" above tread		X	
Handrail extends a minimum of 1 ft beyond top and bottom riser (if no safety hazard and space permits)		X	
Handgrip oval or round		X	
Handgrip has a smooth surface		X	
Handgrip diameter between 1¼" and 1½"		X	
1½" clearance between wall and handrail		X	

#### Doors

Minimum 32" clear opening		X	
At least 18" clear floor space on pull side of door		X	
Closing speed minimum 3 seconds to within 3" of the latch		X	
Maximum pressure 5 pounds interior doors		X	
Threshold maximum ½" high, beveled on both sides		X	
Hardware operable with a closed fist (no conventional door knobs or thumb latch devices)		X	
Hardware minimum 36", maximum 48" above the floor		X	
Clear, level floor space extends out 5 ft from both sides of the door		X	
Door adjacent to revolving door is accessible and unlocked		X	
Doors opening into hazardous area have hardware that is knurled or roughened		X	

## NOTES

**RESTROOMS – also see Doors and Vestibules**

**Specifications**

**Yes No Comment/Transition Notes**

5 ft turning space measured 12" from the floor		X	
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**At least one Sink:**

Clear floor space of 30" by 48" to allow a forward approach		X	
Mounted without pedestal or legs, height 34" to top of rim		X	
Extends at least 22" from the wall		X	
Open knee space a minimum 19" deep, 30" width, and 27" high		X	
Cover exposed pipes with insulation		X	
Faucets operable with closed fist (lever or spring activated handle)		X	

**At least one Stall:**

Accessible to person using wheelchair at 60" wide by 72" deep		X	
Stall door is 36" wide		X	
Stall door swings out		X	
Stall door is self closing		X	
Stall door has a pull latch		X	
Lock on stall door is operable with a closed fist, and 32" above the floor		X	
Coat hook is 54" high		X	

**Toilet**

18" from center to nearest side wall		X	
42" minimum clear space from center to farthest wall or fixture		X	
Top of seat 17"-19" above the floor		X	

**Grab Bars**

On back and side wall closest to toilet		X	
1¼" diameter		X	
1½" clearance to wall		X	
Located 30" above and parallel to the floor		X	
Acid-etched or roughened surface		X	
42" long		X	

**Fixtures**

Toilet paper dispenser is 24" above floor		X	
One mirror set a maximum 38" to bottom (if tilted, 42")		X	
Dispensers (towel, soap, etc) at least one of each a maximum 42" above the floor		X	

**NOTES****FLOORS, DRINKING FOUNTAINS, TELEPHONES****Specifications****Yes No Comment/Transition Notes****Floors**

Non-slip surface		X	
Carpeting is high-density, low pile, non-absorbent, stretched taut, securely anchored		X	
Corridor width minimum is 3 ft		X	
Objects (signs, ceiling lights, fixtures) can only protrude 4" into the path of travel from a height of 27" to 80" above the floor		X	

**Drinking Fountains**

Spouts no higher than 36" from floor to outlet		X	
Hand operated push button or level controls		X	
Spouts located near front with stream of water as parallel to front as possible		X	
If recessed, recess a minimum 30" width, and no deeper than depth of fountain		X	
If no clear knee space underneath, clear floor space 30" x 48" to allow parallel approach		X	

**Telephones**

Highest operating part a maximum 54" above the floor		X	
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Access within 12" of phone, 30" high by 30" wide		X	
Adjustable volume control on headset so identified		X	

## SIGNS, SIGNALS, AND SWITCHES

### Switches, Controls and Signs

Switches and controls for light, heat, ventilation, windows, fire alarms, thermostats		X	
Electrical outlets centered no lower than 18" above the floor		X	
Warning signals must be visual as well as audible		X	

### Signs

Mounting height must be 60" to centerline of the sign		X	
Within 18" of door jamb or recessed		X	
Letters and numbers at least 1 1/4" high		X	
Letters and numbers raised .03"		X	
Letters and numbers contrast with the background color		X	

## NOTES

## SWIMMING POOLS, SHOWER ROOMS & PICNIC FACILITIES

### Specifications

Yes No Comment/Transition Notes

### SWIMMING POOLS – accessibility can be via ramp, lifting device, or transfer area

Ramp at least 34" wide with a non-slip surface extending into the shallow end, slope not exceeding 1:6 with handrails on both sides		X	
Lifting device		X	
Transfer area 18" above the path of travel and a minimum of 18" wide		X	
Unobstructed path of travel not less than 48" wide around pool		X	
Non-slip surface		X	

### SHOWER ROOMS - Showers must accommodate both wheel-in and transfer use

Stalls 36" by 60" minimum, with a 36" door opening		X	
Floors are pitched to drain the stall at the corner farthest from entrance		X	
Floors are non-slip surface		X	
Controls operate by a single lever with a pressure balance mixing valve		X	
Controls are located on the center wall adjacent to the hinged seat		X	
Shower heads attached to a flexible metal hose		X	
Shower heads attached to wall mounting adjustable from 42" to 72" above the floor		X	

Seat is hinged and padded and at least 16" deep, folds upward, securely attached to side wall, height is 18" to the top of the seat, and at least 24" long		x	
Soap trays without handhold features unless they can support 250 pounds		x	
2 grab bars are provided, one 30" and one 48" long, or one continuous L shaped bar		x	
Grab bars are placed horizontally at 36" above the floor line		x	

#### **PICNICKING**

A minimum of 5% of the total tables must be accessible with clear space under the table top not less than 30" wide and 19" deep per seating space and not less than 27" clear from the ground to the underside of the table. An additional 29" clear space (totaling 48") must extend beyond the 19" clear space under the table to provide access		x	
For tables without toe clearance, the knee space under the table must be at least 28" high, 30" wide and 24" deep		x	
Top of table no higher than 32" above ground		x	
Surface of the clear ground space under and around the table must be stable, firm and slip-resistant, and evenly graded with a maximum slope of 2% in all directions		x	
Accessible tables, grills and fire rings must have clear ground space of at least 36" around the perimeter		x	

**LOCATION/FACILITY/PROGRAM**

Facility

Lyons Preserve

Activity	Equipment	Notes	Yes	No	Comment
Picnic Facilities	Tables & Benches	Located adjacent to accessible paths		X	
		Access to Open Spaces		X	
		Back and Arm Rests		X	
		Adequate number		X	
	Grills	Height of Cooking Surface		X	
		Located adjacent to accessible paths		X	
	Trash Cans	Located adjacent to accessible paths		X	
	Picnic Shelters	Located adjacent to accessible paths		X	
		Located near accessible water fountains, trash can, restroom, parking, etc.		X	
Trails		Surface material		X	
		Dimensions		X	
		Rails		X	
		Signage (for visually impaired)		X	
Swimming Facilities	Pools	Entrance		X	
		Location from accessible parking		X	
		Safety features i.e. warning for visually impaired		X	
	Beaches	Location from accessible path into water		X	
		Handrails		X	
		Location from accessible parking		X	
		Shade provided		X	
Play Areas (tot lots)	All Play Equipment i.e. swings, slides				
		Same experience provided to all		X	
	Access Routes	Located adjacent to accessible paths		X	
		Enough space between equipment for wheelchair		X	
Game Areas: *ballfield; *basketball; *tennis	Access Routes	Located adjacent to accessible paths		X	
		Berm cuts onto courts		X	
	Equipment	Height		X	
		Dimensions		X	
		Spectator Seating		X	
Boat Docks	Access Routes	Located adjacent to accessible paths		X	
		Handrails		X	
Fishing Facilities	Access Routes	Located adjacent to accessible paths		X	
		Handrails		X	
	Equipment	Arm Rests		X	
		Bait Shelves		X	
		Handrails		X	
		Fish Cleaning Tables		X	
Program-	Are special programs at your	Learn-to-Swim		X	
		Guided Hikes		X	

ming	facilities accessible?	Interpretive Programs	X	
Services and Technical Assistance	Information available in alternative formats i.e. for visually impaired		X	
	Process to request interpretive services (i.e. sign language interpreter) for meetings		X	

## PARKING

### Total Space Required Accessible Spaces Yes No Comment/Transition Notes

Up to 25	1 space		X	
26-50	2 spaces		X	
51-75	3 spaces		X	
76-100	4 spaces		X	
101-150	5 spaces		X	
151-200	6 spaces		X	
201-300	7 spaces		X	
301-400	8 spaces		X	
401-500	9 spaces		X	

### Specification for Accessible Spaces Yes No Comment/Transition Notes

Accessible space located closest to accessible entrance		X	
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.		X	
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle		X	
Van space – minimum of 1 van space for every accessible space, 8 ft wide plus 8 ft aisle. Alternative is to make all accessible spaces 11 ft wide with 5 ft aisle.		X	
Sign with international symbol of accessibility at each space or pair of spaces		X	
Sign minimum 5 ft, maximum 8 ft to top of sign		X	
Surface evenly paved or hard-packed (no cracks)		X	
Surface slope less than 1:20, 5%		X	
Curbside to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present		X	
Curbside is a minimum width of 3 ft, excluding sloped sides, has sloped sides, all slopes not to exceed 1:12, and textured or painted yellow		X	

## RAMPS

### Specifications Yes No Comment/Transition Notes

Slope Maximum 1:12		X	
Minimum width 4 ft between handrails		X	
Handrails on both sides if ramp is longer than 6 ft		X	
Handrails at 34" and 19" from ramp surface		X	
Handrails extend 12" beyond top and bottom		X	
Handgrip oval or round		X	
Handgrip smooth surface		X	

Handgrip diameter between 1¼" and 2"		X	
Clearance of 1½" between wall and wall rail		X	
Non-slip surface		X	
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction		X	

#### Notes

### SITE ACCESS, PATH OF TRAVEL, ENTRANCES

#### Specifications

Yes No Comment/Transition Notes

#### Site Access

Accessible path of travel from passenger disembarking area and parking area to accessible entrance		X	
Disembarking area at accessible entrance		X	
Surface evenly paved or hard-packed		X	
No ponding of water		X	

#### Path of Travel

Path does not require the use of stairs		X	
Path is stable, firm and slip resistant		X	
3 ft wide minimum		X	
Slope maximum 1:20 (5%) and maximum cross pitch is 2% (1:50).		X	
Continuous common surface, no changes in level greater than ½ inch		X	
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane		X	
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"		X	
Curb on the pathway must have curb cuts at drives, parking and drop-offs		X	

#### Entrances

Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and not be the service entrance		X	
Level space extending 5 ft. from the door, interior and exterior of entrance doors		X	
Minimum 32" clear width opening (i.e. 36" door with standard hinge)		X	
At least 18" clear floor area on latch, pull side of door		X	
Door handle no higher than 48" and operable with a closed fist		X	
Vestibule is 4 ft plus the width of the door swinging into the space		X	
Entrance(s) on a level that makes elevators accessible		X	
Door mats less than ½" thick are securely fastened		X	
Door mats more than ½" thick are recessed		X	
Grates in path of travel have openings of ½" maximum		X	

Signs at non-accessible entrance(s) indicate direction to accessible entrance		X	
Emergency egress – alarms with flashing lights and audible signals, sufficiently lighted		X	

## NOTES

## STAIRS and DOORS

### Specifications

### Yes No Comment/Transition Notes

#### Stairs

No open risers		X	
Nosings not projecting		X	
Treads no less than 11" wide		X	
Handrails on both sides		X	
Handrails 34"-38" above tread		X	
Handrail extends a minimum of 1 ft beyond top and bottom riser (if no safety hazard and space permits)		X	
Handgrip oval or round		X	
Handgrip has a smooth surface		X	
Handgrip diameter between 1¼" and 1½"		X	
1½" clearance between wall and handrail		X	

#### Doors

Minimum 32" clear opening		X	
At least 18" clear floor space on pull side of door		X	
Closing speed minimum 3 seconds to within 3" of the latch		X	
Maximum pressure 5 pounds interior doors		X	
Threshold maximum ½" high, beveled on both sides		X	
Hardware operable with a closed fist (no conventional door knobs or thumb latch devices)		X	
Hardware minimum 36", maximum 48" above the floor		X	
Clear, level floor space extends out 5 ft from both sides of the door		X	
Door adjacent to revolving door is accessible and unlocked		X	
Doors opening into hazardous area have hardware that is knurled or roughened		X	

## NOTES

**RESTROOMS – also see Doors and Vestibules**

**Specifications**

**Yes No Comment/Transition Notes**

5 ft turning space measured 12" from the floor		X	
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**At least one Sink:**

Clear floor space of 30" by 48" to allow a forward approach		X	
Mounted without pedestal or legs, height 34" to top of rim		X	
Extends at least 22" from the wall		X	
Open knee space a minimum 19" deep, 30" width, and 27" high		X	
Cover exposed pipes with insulation		X	
Faucets operable with closed fist (lever or spring activated handle)		X	

**At least one Stall:**

Accessible to person using wheelchair at 60" wide by 72" deep		X	
Stall door is 36" wide		X	
Stall door swings out		X	
Stall door is self closing		X	
Stall door has a pull latch		X	
Lock on stall door is operable with a closed fist, and 32" above the floor		X	
Coat hook is 54" high		X	

**Toilet**

18" from center to nearest side wall		X	
42" minimum clear space from center to farthest wall or fixture		X	
Top of seat 17"-19" above the floor		X	

**Grab Bars**

On back and side wall closest to toilet		X	
1¼" diameter		X	
1½" clearance to wall		X	
Located 30" above and parallel to the floor		X	
Acid-etched or roughened surface		X	
42" long		X	

**Fixtures**

Toilet paper dispenser is 24" above floor		X	
One mirror set a maximum 38" to bottom (if tilted, 42")		X	
Dispensers (towel, soap, etc) at least one of each a maximum 42" above the floor		X	

**NOTES****FLOORS, DRINKING FOUNTAINS, TELEPHONES****Specifications****Yes No Comment/Transition Notes****Floors**

Non-slip surface		X	
Carpeting is high-density, low pile, non-absorbent, stretched taut, securely anchored		X	
Corridor width minimum is 3 ft		X	
Objects (signs, ceiling lights, fixtures) can only protrude 4" into the path of travel from a height of 27" to 80" above the floor		X	

**Drinking Fountains**

Spouts no higher than 36" from floor to outlet		X	
Hand operated push button or level controls		X	
Spouts located near front with stream of water as parallel to front as possible		X	
If recessed, recess a minimum 30" width, and no deeper than depth of fountain		X	
If no clear knee space underneath, clear floor space 30" x 48" to allow parallel approach		X	

**Telephones**

Highest operating part a maximum 54" above the floor		X	
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Access within 12" of phone, 30" high by 30" wide		X	
Adjustable volume control on headset so identified		X	

## SIGNS, SIGNALS, AND SWITCHES

### Switches, Controls and Signs

Switches and controls for light, heat, ventilation, windows, fire alarms, thermostats		X	
Electrical outlets centered no lower than 18" above the floor		X	
Warning signals must be visual as well as audible		X	

### Signs

Mounting height must be 60" to centerline of the sign		X	
Within 18" of door jamb or recessed		X	
Letters and numbers at least 1 1/4" high		X	
Letters and numbers raised .03"		X	
Letters and numbers contrast with the background color		X	

## NOTES

## SWIMMING POOLS, SHOWER ROOMS & PICNIC FACILITIES

### Specifications

Yes No Comment/Transition Notes

### SWIMMING POOLS – accessibility can be via ramp, lifting device, or transfer area

Ramp at least 34" wide with a non-slip surface extending into the shallow end, slope not exceeding 1:6 with handrails on both sides		X	
Lifting device		X	
Transfer area 18" above the path of travel and a minimum of 18" wide		X	
Unobstructed path of travel not less than 48" wide around pool		X	
Non-slip surface		X	

### SHOWER ROOMS - Showers must accommodate both wheel-in and transfer use

Stalls 36" by 60" minimum, with a 36" door opening		X	
Floors are pitched to drain the stall at the corner farthest from entrance		X	
Floors are non-slip surface		X	
Controls operate by a single lever with a pressure balance mixing valve		X	
Controls are located on the center wall adjacent to the hinged seat		X	
Shower heads attached to a flexible metal hose		X	
Shower heads attached to wall mounting adjustable from 42" to 72" above the floor		X	

Seat is hinged and padded and at least 16" deep, folds upward, securely attached to side wall, height is 18" to the top of the seat, and at least 24" long		x	
Soap trays without handhold features unless they can support 250 pounds		x	
2 grab bars are provided, one 30" and one 48" long, or one continuous L shaped bar		x	
Grab bars are placed horizontally at 36" above the floor line		x	

#### **PICNICKING**

A minimum of 5% of the total tables must be accessible with clear space under the table top not less than 30" wide and 19" deep per seating space and not less than 27" clear from the ground to the underside of the table. An additional 29" clear space (totaling 48") must extend beyond the 19" clear space under the table to provide access		x	
For tables without toe clearance, the knee space under the table must be at least 28" high, 30" wide and 24" deep		x	
Top of table no higher than 32" above ground		x	
Surface of the clear ground space under and around the table must be stable, firm and slip-resistant, and evenly graded with a maximum slope of 2% in all directions		x	
Accessible tables, grills and fire rings must have clear ground space of at least 36" around the perimeter		x	

**LOCATION/FACILITY/PROGRAM**

Facility

Tucker Cove

Activity	Equipment	Notes	Yes	No	Comment
Picnic Facilities	Tables & Benches	Located adjacent to accessible paths		X	
		Access to Open Spaces		X	
		Back and Arm Rests		X	
		Adequate number		X	
	Grills	Height of Cooking Surface		X	
		Located adjacent to accessible paths		X	
	Trash Cans	Located adjacent to accessible paths		X	
	Picnic Shelters	Located adjacent to accessible paths		X	
		Located near accessible water fountains, trash can, restroom, parking, etc.		X	
Trails		Surface material		X	
		Dimensions		X	
		Rails		X	
		Signage (for visually impaired)		X	
Swimming Facilities	Pools	Entrance		X	
		Location from accessible parking		X	
		Safety features i.e. warning for visually impaired		X	
	Beaches	Location from accessible path into water		X	
		Handrails		X	
		Location from accessible parking		X	
		Shade provided		X	
Play Areas (tot lots)	All Play Equipment i.e. swings, slides				
		Same experience provided to all		X	
	Access Routes	Located adjacent to accessible paths		X	
		Enough space between equipment for wheelchair		X	
Game Areas: *ballfield; *basketball; *tennis	Access Routes	Located adjacent to accessible paths		X	
		Berm cuts onto courts		X	
	Equipment	Height		X	
		Dimensions		X	
		Spectator Seating		X	
Boat Docks	Access Routes	Located adjacent to accessible paths		X	
		Handrails		X	
Fishing Facilities	Access Routes	Located adjacent to accessible paths		X	
		Handrails		X	
	Equipment	Arm Rests		X	
		Bait Shelves		X	
		Handrails		X	
		Fish Cleaning Tables		X	
Program-	Are special programs at your	Learn-to-Swim		X	
		Guided Hikes		X	

ming	facilities accessible?	Interpretive Programs		X	
Services and Technical Assistance	Information available in alternative formats i.e. for visually impaired			X	
	Process to request interpretive services (i.e. sign language interpreter) for meetings			X	

## PARKING

### Total Space Required Accessible Spaces Yes No Comment/Transition Notes

Up to 25	1 space			X	
26-50	2 spaces			X	
51-75	3 spaces			X	
76-100	4 spaces			X	
101-150	5 spaces			X	
151-200	6 spaces			X	
201-300	7 spaces			X	
301-400	8 spaces			X	
401-500	9 spaces			X	

### Specification for Accessible Spaces Yes No Comment/Transition Notes

Accessible space located closest to accessible entrance			X	
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.			X	
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle			X	
Van space – minimum of 1 van space for every accessible space, 8 ft wide plus 8 ft aisle. Alternative is to make all accessible spaces 11 ft wide with 5 ft aisle.			X	
Sign with international symbol of accessibility at each space or pair of spaces			X	
Sign minimum 5 ft, maximum 8 ft to top of sign			X	
Surface evenly paved or hard-packed (no cracks)			X	
Surface slope less than 1:20, 5%			X	
Curbside to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present			X	
Curbside is a minimum width of 3 ft, excluding sloped sides, has sloped sides, all slopes not to exceed 1:12, and textured or painted yellow			X	

## RAMPS

### Specifications Yes No Comment/Transition Notes

Slope Maximum 1:12			X	
Minimum width 4 ft between handrails			X	
Handrails on both sides if ramp is longer than 6 ft			X	
Handrails at 34" and 19" from ramp surface			X	
Handrails extend 12" beyond top and bottom			X	
Handgrip oval or round			X	
Handgrip smooth surface			X	

Handgrip diameter between 1¼" and 2"		X	
Clearance of 1½" between wall and wall rail		X	
Non-slip surface		X	
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction		X	

#### Notes

### SITE ACCESS, PATH OF TRAVEL, ENTRANCES

#### Specifications

Yes No Comment/Transition Notes

#### Site Access

Accessible path of travel from passenger disembarking area and parking area to accessible entrance		X	
Disembarking area at accessible entrance		X	
Surface evenly paved or hard-packed		X	
No ponding of water		X	

#### Path of Travel

Path does not require the use of stairs		X	
Path is stable, firm and slip resistant		X	
3 ft wide minimum		X	
Slope maximum 1:20 (5%) and maximum cross pitch is 2% (1:50).		X	
Continuous common surface, no changes in level greater than ½ inch		X	
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane		X	
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"		X	
Curb on the pathway must have curb cuts at drives, parking and drop-offs		X	

#### Entrances

Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and not be the service entrance		X	
Level space extending 5 ft. from the door, interior and exterior of entrance doors		X	
Minimum 32" clear width opening (i.e. 36" door with standard hinge)		X	
At least 18" clear floor area on latch, pull side of door		X	
Door handle no higher than 48" and operable with a closed fist		X	
Vestibule is 4 ft plus the width of the door swinging into the space		X	
Entrance(s) on a level that makes elevators accessible		X	
Door mats less than ½" thick are securely fastened		X	
Door mats more than ½" thick are recessed		X	
Grates in path of travel have openings of ½" maximum		X	

Signs at non-accessible entrance(s) indicate direction to accessible entrance		X	
Emergency egress – alarms with flashing lights and audible signals, sufficiently lighted		X	

## NOTES

## STAIRS and DOORS

### Specifications

### Yes No Comment/Transition Notes

#### Stairs

No open risers		X	
Nosings not projecting		X	
Treads no less than 11" wide		X	
Handrails on both sides		X	
Handrails 34"-38" above tread		X	
Handrail extends a minimum of 1 ft beyond top and bottom riser (if no safety hazard and space permits)		X	
Handgrip oval or round		X	
Handgrip has a smooth surface		X	
Handgrip diameter between 1¼" and 1½"		X	
1½" clearance between wall and handrail		X	

#### Doors

Minimum 32" clear opening		X	
At least 18" clear floor space on pull side of door		X	
Closing speed minimum 3 seconds to within 3" of the latch		X	
Maximum pressure 5 pounds interior doors		X	
Threshold maximum ½" high, beveled on both sides		X	
Hardware operable with a closed fist (no conventional door knobs or thumb latch devices)		X	
Hardware minimum 36", maximum 48" above the floor		X	
Clear, level floor space extends out 5 ft from both sides of the door		X	
Door adjacent to revolving door is accessible and unlocked		X	
Doors opening into hazardous area have hardware that is knurled or roughened		X	

## NOTES

**RESTROOMS – also see Doors and Vestibules**

**Specifications**

**Yes No Comment/Transition Notes**

5 ft turning space measured 12" from the floor		X	
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**At least one Sink:**

Clear floor space of 30" by 48" to allow a forward approach		X	
Mounted without pedestal or legs, height 34" to top of rim		X	
Extends at least 22" from the wall		X	
Open knee space a minimum 19" deep, 30" width, and 27" high		X	
Cover exposed pipes with insulation		X	
Faucets operable with closed fist (lever or spring activated handle)		X	

**At least one Stall:**

Accessible to person using wheelchair at 60" wide by 72" deep		X	
Stall door is 36" wide		X	
Stall door swings out		X	
Stall door is self closing		X	
Stall door has a pull latch		X	
Lock on stall door is operable with a closed fist, and 32" above the floor		X	
Coat hook is 54" high		X	

**Toilet**

18" from center to nearest side wall		X	
42" minimum clear space from center to farthest wall or fixture		X	
Top of seat 17"-19" above the floor		X	

**Grab Bars**

On back and side wall closest to toilet		X	
1¼" diameter		X	
1½" clearance to wall		X	
Located 30" above and parallel to the floor		X	
Acid-etched or roughened surface		X	
42" long		X	

**Fixtures**

Toilet paper dispenser is 24" above floor		X	
One mirror set a maximum 38" to bottom (if tilted, 42")		X	
Dispensers (towel, soap, etc) at least one of each a maximum 42" above the floor		X	

**NOTES****FLOORS, DRINKING FOUNTAINS, TELEPHONES****Specifications****Yes No Comment/Transition Notes****Floors**

Non-slip surface		X	
Carpeting is high-density, low pile, non-absorbent, stretched taut, securely anchored		X	
Corridor width minimum is 3 ft		X	
Objects (signs, ceiling lights, fixtures) can only protrude 4" into the path of travel from a height of 27" to 80" above the floor		X	

**Drinking Fountains**

Spouts no higher than 36" from floor to outlet		X	
Hand operated push button or level controls		X	
Spouts located near front with stream of water as parallel to front as possible		X	
If recessed, recess a minimum 30" width, and no deeper than depth of fountain		X	
If no clear knee space underneath, clear floor space 30" x 48" to allow parallel approach		X	

**Telephones**

Highest operating part a maximum 54" above the floor		X	
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Access within 12" of phone, 30" high by 30" wide		X	
Adjustable volume control on headset so identified		X	

## SIGNS, SIGNALS, AND SWITCHES

### Switches, Controls and Signs

Switches and controls for light, heat, ventilation, windows, fire alarms, thermostats		X	
Electrical outlets centered no lower than 18" above the floor		X	
Warning signals must be visual as well as audible		X	

### Signs

Mounting height must be 60" to centerline of the sign		X	
Within 18" of door jamb or recessed		X	
Letters and numbers at least 1 1/4" high		X	
Letters and numbers raised .03"		X	
Letters and numbers contrast with the background color		X	

## NOTES

## SWIMMING POOLS, SHOWER ROOMS & PICNIC FACILITIES

### Specifications

Yes No Comment/Transition Notes

### SWIMMING POOLS – accessibility can be via ramp, lifting device, or transfer area

Ramp at least 34" wide with a non-slip surface extending into the shallow end, slope not exceeding 1:6 with handrails on both sides		X	
Lifting device		X	
Transfer area 18" above the path of travel and a minimum of 18" wide		X	
Unobstructed path of travel not less than 48" wide around pool		X	
Non-slip surface		X	

### SHOWER ROOMS - Showers must accommodate both wheel-in and transfer use

Stalls 36" by 60" minimum, with a 36" door opening		X	
Floors are pitched to drain the stall at the corner farthest from entrance		X	
Floors are non-slip surface		X	
Controls operate by a single lever with a pressure balance mixing valve		X	
Controls are located on the center wall adjacent to the hinged seat		X	
Shower heads attached to a flexible metal hose		X	
Shower heads attached to wall mounting adjustable from 42" to 72" above the floor		X	

Seat is hinged and padded and at least 16" deep, folds upward, securely attached to side wall, height is 18" to the top of the seat, and at least 24" long		x	
Soap trays without handhold features unless they can support 250 pounds		x	
2 grab bars are provided, one 30" and one 48" long, or one continuous L shaped bar		x	
Grab bars are placed horizontally at 36" above the floor line		x	

#### **PICNICKING**

A minimum of 5% of the total tables must be accessible with clear space under the table top not less than 30" wide and 19" deep per seating space and not less than 27" clear from the ground to the underside of the table. An additional 29" clear space (totaling 48") must extend beyond the 19" clear space under the table to provide access		x	
For tables without toe clearance, the knee space under the table must be at least 28" high, 30" wide and 24" deep		x	
Top of table no higher than 32" above ground		x	
Surface of the clear ground space under and around the table must be stable, firm and slip-resistant, and evenly graded with a maximum slope of 2% in all directions		x	
Accessible tables, grills and fire rings must have clear ground space of at least 36" around the perimeter		x	

**LOCATION/FACILITY/PROGRAM**

Facility

Udor Park

Activity	Equipment	Notes	Yes	No	Comment
Picnic Facilities	Tables & Benches	Located adjacent to accessible paths		x	one picnic table off the path
		Access to Open Spaces		x	
		Back and Arm Rests		x	
		Adequate number		x	
	Grills	Height of Cooking Surface		x	
		Located adjacent to accessible paths		x	
	Trash Cans	Located adjacent to accessible paths		x	
	Picnic Shelters	Located adjacent to accessible paths		x	
		Located near accessible water fountains, trash can, restroom, parking, etc.		x	
Trails		Surface material		x	
		Dimensions		x	
		Rails		x	
		Signage (for visually impaired)		x	
Swimming Facilities	Pools	Entrance		x	
		Location from accessible parking		x	
		Safety features i.e. warning for visually impaired		x	
	Beaches	Location from accessible path into water		x	
		Handrails		x	
		Location from accessible parking		x	
Play Areas (tot lots)	All Play Equipment i.e. swings, slides				
		Same experience provided to all		x	
	Access Routes	Located adjacent to accessible paths		x	
		Enough space between equipment for wheelchair		x	
Game Areas: *ballfield; *basketball; *tennis	Access Routes	Located adjacent to accessible paths		x	
		Berm cuts onto courts		x	
	Equipment	Height		x	
		Dimensions		x	
		Spectator Seating		x	
Boat Docks	Access Routes	Located adjacent to accessible paths		x	
		Handrails		x	
Fishing Facilities	Access Routes	Located adjacent to accessible paths		x	
		Handrails		x	
	Equipment	Arm Rests		x	
		Bait Shelves		x	
		Handrails		x	
		Fish Cleaning Tables		x	
Program-	Are special programs at your	Learn-to-Swim		x	
		Guided Hikes		x	

ming	facilities accessible?	Interpretive Programs		X	
Services and Technical Assistance	Information available in alternative formats i.e. for visually impaired			X	
	Process to request interpretive services (i.e. sign language interpreter) for meetings			X	

## PARKING

Total Space Required Accessible Spaces		Yes	No	Comment/Transition Notes
Up to 25	1 space	X		
26-50	2 spaces		X	
51-75	3 spaces		X	
76-100	4 spaces		X	
101-150	5 spaces		X	
151-200	6 spaces		X	
201-300	7 spaces		X	
301-400	8 spaces		X	
401-500	9 spaces		X	

Specification for Accessible Spaces	Yes	No	Comment/Transition Notes
Accessible space located closest to accessible entrance		X	
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.		X	
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle		X	
Van space – minimum of 1 van space for every accessible space, 8 ft wide plus 8 ft aisle. Alternative is to make all accessible spaces 11 ft wide with 5 ft aisle.		X	
Sign with international symbol of accessibility at each space or pair of spaces	X		
Sign minimum 5 ft, maximum 8 ft to top of sign		X	
Surface evenly paved or hard-packed (no cracks)		X	
Surface slope less than 1:20, 5%		X	
Curbside to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present		X	
Curbside is a minimum width of 3 ft, excluding sloped sides, has sloped sides, all slopes not to exceed 1:12, and textured or painted yellow		X	

## RAMPS

Specifications	Yes	No	Comment/Transition Notes
Slope Maximum 1:12		X	
Minimum width 4 ft between handrails		X	
Handrails on both sides if ramp is longer than 6 ft		X	
Handrails at 34" and 19" from ramp surface		X	
Handrails extend 12" beyond top and bottom		X	
Handgrip oval or round		X	
Handgrip smooth surface		X	

Handgrip diameter between 1¼" and 2"		X	
Clearance of 1½" between wall and wall rail		X	
Non-slip surface		X	
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction		X	

#### Notes

### SITE ACCESS, PATH OF TRAVEL, ENTRANCES

#### Specifications

Yes No Comment/Transition Notes

#### Site Access

Accessible path of travel from passenger disembarking area and parking area to accessible entrance		X	
Disembarking area at accessible entrance		X	
Surface evenly paved or hard-packed		X	
No ponding of water		X	

#### Path of Travel

Path does not require the use of stairs		X	
Path is stable, firm and slip resistant		X	
3 ft wide minimum		X	
Slope maximum 1:20 (5%) and maximum cross pitch is 2% (1:50).		X	
Continuous common surface, no changes in level greater than ½ inch		X	
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane		X	
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"		X	
Curb on the pathway must have curb cuts at drives, parking and drop-offs		X	

#### Entrances

Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and not be the service entrance		X	
Level space extending 5 ft. from the door, interior and exterior of entrance doors		X	
Minimum 32" clear width opening (i.e. 36" door with standard hinge)		X	
At least 18" clear floor area on latch, pull side of door		X	
Door handle no higher than 48" and operable with a closed fist		X	
Vestibule is 4 ft plus the width of the door swinging into the space		X	
Entrance(s) on a level that makes elevators accessible		X	
Door mats less than ½" thick are securely fastened		X	
Door mats more than ½" thick are recessed		X	
Grates in path of travel have openings of ½" maximum		X	

Signs at non-accessible entrance(s) indicate direction to accessible entrance		X	
Emergency egress – alarms with flashing lights and audible signals, sufficiently lighted		X	

## NOTES

## STAIRS and DOORS

### Specifications

### Yes No Comment/Transition Notes

#### Stairs

No open risers		X	
Nosings not projecting		X	
Treads no less than 11" wide		X	
Handrails on both sides		X	
Handrails 34"-38" above tread		X	
Handrail extends a minimum of 1 ft beyond top and bottom riser (if no safety hazard and space permits)		X	
Handgrip oval or round		X	
Handgrip has a smooth surface		X	
Handgrip diameter between 1¼" and 1½"		X	
1½" clearance between wall and handrail		X	

#### Doors

Minimum 32" clear opening		X	
At least 18" clear floor space on pull side of door		X	
Closing speed minimum 3 seconds to within 3" of the latch		X	
Maximum pressure 5 pounds interior doors		X	
Threshold maximum ½" high, beveled on both sides		X	
Hardware operable with a closed fist (no conventional door knobs or thumb latch devices)		X	
Hardware minimum 36", maximum 48" above the floor		X	
Clear, level floor space extends out 5 ft from both sides of the door		X	
Door adjacent to revolving door is accessible and unlocked		X	
Doors opening into hazardous area have hardware that is knurled or roughened		X	

## NOTES

**RESTROOMS – also see Doors and Vestibules**

**Specifications**

**Yes No Comment/Transition Notes**

5 ft turning space measured 12" from the floor		X	
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**At least one Sink:**

Clear floor space of 30" by 48" to allow a forward approach		X	
Mounted without pedestal or legs, height 34" to top of rim		X	
Extends at least 22" from the wall		X	
Open knee space a minimum 19" deep, 30" width, and 27" high		X	
Cover exposed pipes with insulation		X	
Faucets operable with closed fist (lever or spring activated handle)		X	

**At least one Stall:**

Accessible to person using wheelchair at 60" wide by 72" deep		X	
Stall door is 36" wide		X	
Stall door swings out		X	
Stall door is self closing		X	
Stall door has a pull latch		X	
Lock on stall door is operable with a closed fist, and 32" above the floor		X	
Coat hook is 54" high		X	

**Toilet**

18" from center to nearest side wall		X	
42" minimum clear space from center to farthest wall or fixture		X	
Top of seat 17"-19" above the floor		X	

**Grab Bars**

On back and side wall closest to toilet		X	
1¼" diameter		X	
1½" clearance to wall		X	
Located 30" above and parallel to the floor		X	
Acid-etched or roughened surface		X	
42" long		X	

**Fixtures**

Toilet paper dispenser is 24" above floor		X	
One mirror set a maximum 38" to bottom (if tilted, 42")		X	
Dispensers (towel, soap, etc) at least one of each a maximum 42" above the floor		X	

**NOTES****FLOORS, DRINKING FOUNTAINS, TELEPHONES****Specifications****Yes No Comment/Transition Notes****Floors**

Non-slip surface		X	
Carpeting is high-density, low pile, non-absorbent, stretched taut, securely anchored		X	
Corridor width minimum is 3 ft		X	
Objects (signs, ceiling lights, fixtures) can only protrude 4" into the path of travel from a height of 27" to 80" above the floor		X	

**Drinking Fountains**

Spouts no higher than 36" from floor to outlet		X	
Hand operated push button or level controls		X	
Spouts located near front with stream of water as parallel to front as possible		X	
If recessed, recess a minimum 30" width, and no deeper than depth of fountain		X	
If no clear knee space underneath, clear floor space 30" x 48" to allow parallel approach		X	

**Telephones**

Highest operating part a maximum 54" above the floor		X	
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Access within 12" of phone, 30" high by 30" wide		X	
Adjustable volume control on headset so identified		X	

## SIGNS, SIGNALS, AND SWITCHES

### Switches, Controls and Signs

Switches and controls for light, heat, ventilation, windows, fire alarms, thermostats		X	
Electrical outlets centered no lower than 18" above the floor		X	
Warning signals must be visual as well as audible		X	

### Signs

Mounting height must be 60" to centerline of the sign		X	
Within 18" of door jamb or recessed		X	
Letters and numbers at least 1 1/4" high		X	
Letters and numbers raised .03"		X	
Letters and numbers contrast with the background color		X	

## NOTES

## SWIMMING POOLS, SHOWER ROOMS & PICNIC FACILITIES

### Specifications

Yes No Comment/Transition Notes

### SWIMMING POOLS – accessibility can be via ramp, lifting device, or transfer area

Ramp at least 34" wide with a non-slip surface extending into the shallow end, slope not exceeding 1:6 with handrails on both sides		X	
Lifting device		X	
Transfer area 18" above the path of travel and a minimum of 18" wide		X	
Unobstructed path of travel not less than 48" wide around pool		X	
Non-slip surface		X	

### SHOWER ROOMS - Showers must accommodate both wheel-in and transfer use

Stalls 36" by 60" minimum, with a 36" door opening		X	
Floors are pitched to drain the stall at the corner farthest from entrance		X	
Floors are non-slip surface		X	
Controls operate by a single lever with a pressure balance mixing valve		X	
Controls are located on the center wall adjacent to the hinged seat		X	
Shower heads attached to a flexible metal hose		X	
Shower heads attached to wall mounting adjustable from 42" to 72" above the floor		X	

Seat is hinged and padded and at least 16" deep, folds upward, securely attached to side wall, height is 18" to the top of the seat, and at least 24" long		x	
Soap trays without handhold features unless they can support 250 pounds		x	
2 grab bars are provided, one 30" and one 48" long, or one continuous L shaped bar		x	
Grab bars are placed horizontally at 36" above the floor line		x	

#### **PICNICKING**

A minimum of 5% of the total tables must be accessible with clear space under the table top not less than 30" wide and 19" deep per seating space and not less than 27" clear from the ground to the underside of the table. An additional 29" clear space (totaling 48") must extend beyond the 19" clear space under the table to provide access		x	
For tables without toe clearance, the knee space under the table must be at least 28" high, 30" wide and 24" deep		x	
Top of table no higher than 32" above ground		x	
Surface of the clear ground space under and around the table must be stable, firm and slip-resistant, and evenly graded with a maximum slope of 2% in all directions		x	
Accessible tables, grills and fire rings must have clear ground space of at least 36" around the perimeter		x	

**LOCATION/FACILITY/PROGRAM**
**Facility**
**Tot Lot**

Activity	Equipment	Notes	Yes	No	Comment
Picnic Facilities	Tables & Benches	Located adjacent to accessible paths		X	
		Access to Open Spaces		X	
		Back and Arm Rests		X	
		Adequate number		X	
	Grills	Height of Cooking Surface		X	
		Located adjacent to accessible paths		X	
	Trash Cans	Located adjacent to accessible paths		X	
	Picnic Shelters	Located adjacent to accessible paths		X	
		Located near accessible water fountains, trash can, restroom, parking, etc.		X	
Trails		Surface material		X	
		Dimensions		X	
		Rails		X	
		Signage (for visually impaired)		X	
Swimming Facilities	Pools	Entrance		X	
		Location from accessible parking		X	
		Safety features i.e. warning for visually impaired		X	
	Beaches	Location from accessible path into water		X	
		Handrails		X	
		Location from accessible parking		X	
Play Areas (tot lots)	All Play Equipment i.e. swings, slides				
		Same experience provided to all		X	
	Access Routes	Located adjacent to accessible paths		X	
		Enough space between equipment for wheelchair	X		
Game Areas: *ballfield; *basketball; *tennis	Access Routes	Located adjacent to accessible paths		X	
		Berm cuts onto courts		X	
	Equipment	Height		X	
		Dimensions		X	
		Spectator Seating		X	
Boat Docks	Access Routes	Located adjacent to accessible paths		X	
		Handrails		X	
Fishing Facilities	Access Routes	Located adjacent to accessible paths		X	
		Handrails		X	
	Equipment	Arm Rests		X	
		Bait Shelves		X	
		Handrails		X	
		Fish Cleaning Tables		X	
Program-	Are special programs at your	Learn-to-Swim		X	
		Guided Hikes		X	

ming	facilities accessible?	Interpretive Programs		X	
Services and Technical Assistance	Information available in alternative formats i.e. for visually impaired			X	
	Process to request interpretive services (i.e. sign language interpreter) for meetings			X	

## PARKING

### Total Space Required Accessible Spaces Yes No Comment/Transition Notes

Up to 25	1 space		X		
26-50	2 spaces			X	
51-75	3 spaces			X	
76-100	4 spaces			X	
101-150	5 spaces			X	
151-200	6 spaces			X	
201-300	7 spaces			X	
301-400	8 spaces			X	
401-500	9 spaces			X	

### Specification for Accessible Spaces Yes No Comment/Transition Notes

Accessible space located closest to accessible entrance			X		
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.				X	
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle				X	
Van space – minimum of 1 van space for every accessible space, 8 ft wide plus 8 ft aisle. Alternative is to make all accessible spaces 11 ft wide with 5 ft aisle.				X	
Sign with international symbol of accessibility at each space or pair of spaces				X	
Sign minimum 5 ft, maximum 8 ft to top of sign				X	
Surface evenly paved or hard-packed (no cracks)				X	
Surface slope less than 1:20, 5%				X	
Curbside to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present				X	
Curbside is a minimum width of 3 ft, excluding sloped sides, has sloped sides, all slopes not to exceed 1:12, and textured or painted yellow				X	

## RAMPS

### Specifications Yes No Comment/Transition Notes

Slope Maximum 1:12			X		
Minimum width 4 ft between handrails				X	
Handrails on both sides if ramp is longer than 6 ft				X	
Handrails at 34" and 19" from ramp surface				X	
Handrails extend 12" beyond top and bottom				X	
Handgrip oval or round				X	
Handgrip smooth surface				X	

Handgrip diameter between 1¼" and 2"		X	
Clearance of 1½" between wall and wall rail		X	
Non-slip surface		X	
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction		X	

#### Notes

### SITE ACCESS, PATH OF TRAVEL, ENTRANCES

#### Specifications

Yes No Comment/Transition Notes

#### Site Access

Accessible path of travel from passenger disembarking area and parking area to accessible entrance		X	
Disembarking area at accessible entrance		X	
Surface evenly paved or hard-packed	X		
No ponding of water		X	

#### Path of Travel

Path does not require the use of stairs	X		
Path is stable, firm and slip resistant	X		
3 ft wide minimum		X	
Slope maximum 1:20 (5%) and maximum cross pitch is 2% (1:50).		X	
Continuous common surface, no changes in level greater than ½ inch		X	
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane		X	
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"		X	
Curb on the pathway must have curb cuts at drives, parking and drop-offs		X	

#### Entrances

Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and not be the service entrance		X	
Level space extending 5 ft. from the door, interior and exterior of entrance doors		X	
Minimum 32" clear width opening (i.e. 36" door with standard hinge)		X	
At least 18" clear floor area on latch, pull side of door		X	
Door handle no higher than 48" and operable with a closed fist		X	
Vestibule is 4 ft plus the width of the door swinging into the space		X	
Entrance(s) on a level that makes elevators accessible		X	
Door mats less than ½" thick are securely fastened		X	
Door mats more than ½" thick are recessed		X	
Grates in path of travel have openings of ½" maximum		X	

Signs at non-accessible entrance(s) indicate direction to accessible entrance		X	
Emergency egress – alarms with flashing lights and audible signals, sufficiently lighted		X	

## NOTES

## STAIRS and DOORS

### Specifications

### Yes No Comment/Transition Notes

#### Stairs

No open risers		X	
Nosings not projecting		X	
Treads no less than 11" wide		X	
Handrails on both sides		X	
Handrails 34"-38" above tread		X	
Handrail extends a minimum of 1 ft beyond top and bottom riser (if no safety hazard and space permits)		X	
Handgrip oval or round		X	
Handgrip has a smooth surface		X	
Handgrip diameter between 1¼" and 1½"		X	
1½" clearance between wall and handrail		X	

#### Doors

Minimum 32" clear opening		X	
At least 18" clear floor space on pull side of door		X	
Closing speed minimum 3 seconds to within 3" of the latch		X	
Maximum pressure 5 pounds interior doors		X	
Threshold maximum ½" high, beveled on both sides		X	
Hardware operable with a closed fist (no conventional door knobs or thumb latch devices)		X	
Hardware minimum 36", maximum 48" above the floor		X	
Clear, level floor space extends out 5 ft from both sides of the door		X	
Door adjacent to revolving door is accessible and unlocked		X	
Doors opening into hazardous area have hardware that is knurled or roughened		X	

## NOTES

**RESTROOMS – also see Doors and Vestibules**

**Specifications**

**Yes No Comment/Transition Notes**

5 ft turning space measured 12" from the floor		X	
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**At least one Sink:**

Clear floor space of 30" by 48" to allow a forward approach		X	
Mounted without pedestal or legs, height 34" to top of rim		X	
Extends at least 22" from the wall		X	
Open knee space a minimum 19" deep, 30" width, and 27" high		X	
Cover exposed pipes with insulation		X	
Faucets operable with closed fist (lever or spring activated handle)		X	

**At least one Stall:**

Accessible to person using wheelchair at 60" wide by 72" deep		X	
Stall door is 36" wide		X	
Stall door swings out		X	
Stall door is self closing		X	
Stall door has a pull latch		X	
Lock on stall door is operable with a closed fist, and 32" above the floor		X	
Coat hook is 54" high		X	

**Toilet**

18" from center to nearest side wall		X	
42" minimum clear space from center to farthest wall or fixture		X	
Top of seat 17"-19" above the floor		X	

**Grab Bars**

On back and side wall closest to toilet		X	
1¼" diameter		X	
1½" clearance to wall		X	
Located 30" above and parallel to the floor		X	
Acid-etched or roughened surface		X	
42" long		X	

**Fixtures**

Toilet paper dispenser is 24" above floor		X	
One mirror set a maximum 38" to bottom (if tilted, 42")		X	
Dispensers (towel, soap, etc) at least one of each a maximum 42" above the floor		X	

**NOTES****FLOORS, DRINKING FOUNTAINS, TELEPHONES****Specifications****Yes No Comment/Transition Notes****Floors**

Non-slip surface		X	
Carpeting is high-density, low pile, non-absorbent, stretched taut, securely anchored		X	
Corridor width minimum is 3 ft		X	
Objects (signs, ceiling lights, fixtures) can only protrude 4" into the path of travel from a height of 27" to 80" above the floor		X	

**Drinking Fountains**

Spouts no higher than 36" from floor to outlet		X	
Hand operated push button or level controls		X	
Spouts located near front with stream of water as parallel to front as possible		X	
If recessed, recess a minimum 30" width, and no deeper than depth of fountain		X	
If no clear knee space underneath, clear floor space 30" x 48" to allow parallel approach		X	

**Telephones**

Highest operating part a maximum 54" above the floor		X	
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Access within 12" of phone, 30" high by 30" wide		X	
Adjustable volume control on headset so identified		X	

## SIGNS, SIGNALS, AND SWITCHES

### Switches, Controls and Signs

Switches and controls for light, heat, ventilation, windows, fire alarms, thermostats		X	
Electrical outlets centered no lower than 18" above the floor		X	
Warning signals must be visual as well as audible		X	

### Signs

Mounting height must be 60" to centerline of the sign		X	
Within 18" of door jamb or recessed		X	
Letters and numbers at least 1 1/4" high		X	
Letters and numbers raised .03"		X	
Letters and numbers contrast with the background color		X	

## NOTES

## SWIMMING POOLS, SHOWER ROOMS & PICNIC FACILITIES

### Specifications

Yes No Comment/Transition Notes

### SWIMMING POOLS – accessibility can be via ramp, lifting device, or transfer area

Ramp at least 34" wide with a non-slip surface extending into the shallow end, slope not exceeding 1:6 with handrails on both sides		X	
Lifting device		X	
Transfer area 18" above the path of travel and a minimum of 18" wide		X	
Unobstructed path of travel not less than 48" wide around pool		X	
Non-slip surface		X	

### SHOWER ROOMS - Showers must accommodate both wheel-in and transfer use

Stalls 36" by 60" minimum, with a 36" door opening		X	
Floors are pitched to drain the stall at the corner farthest from entrance		X	
Floors are non-slip surface		X	
Controls operate by a single lever with a pressure balance mixing valve		X	
Controls are located on the center wall adjacent to the hinged seat		X	
Shower heads attached to a flexible metal hose		X	
Shower heads attached to wall mounting adjustable from 42" to 72" above the floor		X	

Seat is hinged and padded and at least 16" deep, folds upward, securely attached to side wall, height is 18" to the top of the seat, and at least 24" long		x	
Soap trays without handhold features unless they can support 250 pounds		x	
2 grab bars are provided, one 30" and one 48" long, or one continuous L shaped bar		x	
Grab bars are placed horizontally at 36" above the floor line		x	

#### **PICNICKING**

A minimum of 5% of the total tables must be accessible with clear space under the table top not less than 30" wide and 19" deep per seating space and not less than 27" clear from the ground to the underside of the table. An additional 29" clear space (totaling 48") must extend beyond the 19" clear space under the table to provide access		x	
For tables without toe clearance, the knee space under the table must be at least 28" high, 30" wide and 24" deep		x	
Top of table no higher than 32" above ground		x	
Surface of the clear ground space under and around the table must be stable, firm and slip-resistant, and evenly graded with a maximum slope of 2% in all directions		x	
Accessible tables, grills and fire rings must have clear ground space of at least 36" around the perimeter		x	

**LOCATION/FACILITY/PROGRAM**
**Facility**
**Kings Conservation**

Activity	Equipment	Notes	Yes	No	Comment
Picnic Facilities	Tables & Benches	Located adjacent to accessible paths		X	
		Access to Open Spaces		X	
		Back and Arm Rests		X	
		Adequate number		X	
	Grills	Height of Cooking Surface		X	
		Located adjacent to accessible paths		X	
	Trash Cans	Located adjacent to accessible paths		X	
	Picnic Shelters	Located adjacent to accessible paths		X	
		Located near accessible water fountains, trash can, restroom, parking, etc.		X	
Trails		Surface material		X	overgrown
		Dimensions		X	
		Rails		X	
		Signage (for visually impaired)		X	
Swimming Facilities	Pools	Entrance		X	
		Location from accessible parking		X	
		Safety features i.e. warning for visually impaired		X	
	Beaches	Location from accessible path into water		X	
		Handrails		X	
		Location from accessible parking		X	
Play Areas (tot lots)	All Play Equipment i.e. swings, slides				
		Same experience provided to all		X	
	Access Routes	Located adjacent to accessible paths		X	
		Enough space between equipment for wheelchair		X	
Game Areas: *ballfield; *basketball; *tennis	Access Routes	Located adjacent to accessible paths		X	
		Berm cuts onto courts		X	
	Equipment	Height		X	
		Dimensions		X	
		Spectator Seating		X	
Boat Docks	Access Routes	Located adjacent to accessible paths		X	
		Handrails		X	
Fishing Facilities	Access Routes	Located adjacent to accessible paths		X	
		Handrails		X	
	Equipment	Arm Rests		X	
		Bait Shelves		X	
		Handrails		X	
		Fish Cleaning Tables		X	
Program-	Are special programs at your	Learn-to-Swim		X	
		Guided Hikes		X	

ming	facilities accessible?	Interpretive Programs		X	
Services and Technical Assistance	Information available in alternative formats i.e. for visually impaired			X	
	Process to request interpretive services (i.e. sign language interpreter) for meetings			X	

## PARKING

### Total Space Required Accessible Spaces Yes No Comment/Transition Notes

Up to 25	1 space			X	
26-50	2 spaces			X	
51-75	3 spaces			X	
76-100	4 spaces			X	
101-150	5 spaces			X	
151-200	6 spaces			X	
201-300	7 spaces			X	
301-400	8 spaces			X	
401-500	9 spaces			X	

### Specification for Accessible Spaces Yes No Comment/Transition Notes

Accessible space located closest to accessible entrance			X	
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.			X	
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle			X	
Van space – minimum of 1 van space for every accessible space, 8 ft wide plus 8 ft aisle. Alternative is to make all accessible spaces 11 ft wide with 5 ft aisle.			X	
Sign with international symbol of accessibility at each space or pair of spaces			X	
Sign minimum 5 ft, maximum 8 ft to top of sign			X	
Surface evenly paved or hard-packed (no cracks)			X	
Surface slope less than 1:20, 5%			X	
Curbside to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present			X	
Curbside is a minimum width of 3 ft, excluding sloped sides, has sloped sides, all slopes not to exceed 1:12, and textured or painted yellow			X	

## RAMPS

### Specifications Yes No Comment/Transition Notes

Slope Maximum 1:12			X	
Minimum width 4 ft between handrails			X	
Handrails on both sides if ramp is longer than 6 ft			X	
Handrails at 34" and 19" from ramp surface			X	
Handrails extend 12" beyond top and bottom			X	
Handgrip oval or round			X	
Handgrip smooth surface			X	

Handgrip diameter between 1¼" and 2"		X	
Clearance of 1½" between wall and wall rail		X	
Non-slip surface		X	
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction		X	

#### Notes

### SITE ACCESS, PATH OF TRAVEL, ENTRANCES

#### Specifications

Yes No Comment/Transition Notes

#### Site Access

Accessible path of travel from passenger disembarking area and parking area to accessible entrance		X	
Disembarking area at accessible entrance		X	
Surface evenly paved or hard-packed		X	
No ponding of water		X	

#### Path of Travel

Path does not require the use of stairs		X	
Path is stable, firm and slip resistant		X	
3 ft wide minimum		X	
Slope maximum 1:20 (5%) and maximum cross pitch is 2% (1:50).		X	
Continuous common surface, no changes in level greater than ½ inch		X	
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane		X	
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"		X	
Curb on the pathway must have curb cuts at drives, parking and drop-offs		X	

#### Entrances

Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and not be the service entrance		X	
Level space extending 5 ft. from the door, interior and exterior of entrance doors		X	
Minimum 32" clear width opening (i.e. 36" door with standard hinge)		X	
At least 18" clear floor area on latch, pull side of door		X	
Door handle no higher than 48" and operable with a closed fist		X	
Vestibule is 4 ft plus the width of the door swinging into the space		X	
Entrance(s) on a level that makes elevators accessible		X	
Door mats less than ½" thick are securely fastened		X	
Door mats more than ½" thick are recessed		X	
Grates in path of travel have openings of ½" maximum		X	

Signs at non-accessible entrance(s) indicate direction to accessible entrance		X	
Emergency egress – alarms with flashing lights and audible signals, sufficiently lighted		X	

## NOTES

## STAIRS and DOORS

### Specifications

### Yes No Comment/Transition Notes

#### Stairs

No open risers		X	
Nosings not projecting		X	
Treads no less than 11" wide		X	
Handrails on both sides		X	
Handrails 34"-38" above tread		X	
Handrail extends a minimum of 1 ft beyond top and bottom riser (if no safety hazard and space permits)		X	
Handgrip oval or round		X	
Handgrip has a smooth surface		X	
Handgrip diameter between 1¼" and 1½"		X	
1½" clearance between wall and handrail		X	

#### Doors

Minimum 32" clear opening		X	
At least 18" clear floor space on pull side of door		X	
Closing speed minimum 3 seconds to within 3" of the latch		X	
Maximum pressure 5 pounds interior doors		X	
Threshold maximum ½" high, beveled on both sides		X	
Hardware operable with a closed fist (no conventional door knobs or thumb latch devices)		X	
Hardware minimum 36", maximum 48" above the floor		X	
Clear, level floor space extends out 5 ft from both sides of the door		X	
Door adjacent to revolving door is accessible and unlocked		X	
Doors opening into hazardous area have hardware that is knurled or roughened		X	

## NOTES

**RESTROOMS – also see Doors and Vestibules**

**Specifications**

**Yes No Comment/Transition Notes**

5 ft turning space measured 12" from the floor		X	
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**At least one Sink:**

Clear floor space of 30" by 48" to allow a forward approach		X	
Mounted without pedestal or legs, height 34" to top of rim		X	
Extends at least 22" from the wall		X	
Open knee space a minimum 19" deep, 30" width, and 27" high		X	
Cover exposed pipes with insulation		X	
Faucets operable with closed fist (lever or spring activated handle)		X	

**At least one Stall:**

Accessible to person using wheelchair at 60" wide by 72" deep		X	
Stall door is 36" wide		X	
Stall door swings out		X	
Stall door is self closing		X	
Stall door has a pull latch		X	
Lock on stall door is operable with a closed fist, and 32" above the floor		X	
Coat hook is 54" high		X	

**Toilet**

18" from center to nearest side wall		X	
42" minimum clear space from center to farthest wall or fixture		X	
Top of seat 17"-19" above the floor		X	

**Grab Bars**

On back and side wall closest to toilet		X	
1¼" diameter		X	
1½" clearance to wall		X	
Located 30" above and parallel to the floor		X	
Acid-etched or roughened surface		X	
42" long		X	

**Fixtures**

Toilet paper dispenser is 24" above floor		X	
One mirror set a maximum 38" to bottom (if tilted, 42")		X	
Dispensers (towel, soap, etc) at least one of each a maximum 42" above the floor		X	

**NOTES****FLOORS, DRINKING FOUNTAINS, TELEPHONES****Specifications****Yes No Comment/Transition Notes****Floors**

Non-slip surface		X	
Carpeting is high-density, low pile, non-absorbent, stretched taut, securely anchored		X	
Corridor width minimum is 3 ft		X	
Objects (signs, ceiling lights, fixtures) can only protrude 4" into the path of travel from a height of 27" to 80" above the floor		X	

**Drinking Fountains**

Spouts no higher than 36" from floor to outlet		X	
Hand operated push button or level controls		X	
Spouts located near front with stream of water as parallel to front as possible		X	
If recessed, recess a minimum 30" width, and no deeper than depth of fountain		X	
If no clear knee space underneath, clear floor space 30" x 48" to allow parallel approach		X	

**Telephones**

Highest operating part a maximum 54" above the floor		X	
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Access within 12" of phone, 30" high by 30" wide		X	
Adjustable volume control on headset so identified		X	

## SIGNS, SIGNALS, AND SWITCHES

### Switches, Controls and Signs

Switches and controls for light, heat, ventilation, windows, fire alarms, thermostats		X	
Electrical outlets centered no lower than 18" above the floor		X	
Warning signals must be visual as well as audible		X	

### Signs

Mounting height must be 60" to centerline of the sign		X	
Within 18" of door jamb or recessed		X	
Letters and numbers at least 1 1/4" high		X	
Letters and numbers raised .03"		X	
Letters and numbers contrast with the background color		X	

## NOTES

## SWIMMING POOLS, SHOWER ROOMS & PICNIC FACILITIES

### Specifications

Yes No Comment/Transition Notes

### SWIMMING POOLS – accessibility can be via ramp, lifting device, or transfer area

Ramp at least 34" wide with a non-slip surface extending into the shallow end, slope not exceeding 1:6 with handrails on both sides		X	
Lifting device		X	
Transfer area 18" above the path of travel and a minimum of 18" wide		X	
Unobstructed path of travel not less than 48" wide around pool		X	
Non-slip surface		X	

### SHOWER ROOMS - Showers must accommodate both wheel-in and transfer use

Stalls 36" by 60" minimum, with a 36" door opening		X	
Floors are pitched to drain the stall at the corner farthest from entrance		X	
Floors are non-slip surface		X	
Controls operate by a single lever with a pressure balance mixing valve		X	
Controls are located on the center wall adjacent to the hinged seat		X	
Shower heads attached to a flexible metal hose		X	
Shower heads attached to wall mounting adjustable from 42" to 72" above the floor		X	

Seat is hinged and padded and at least 16" deep, folds upward, securely attached to side wall, height is 18" to the top of the seat, and at least 24" long		x	
Soap trays without handhold features unless they can support 250 pounds		x	
2 grab bars are provided, one 30" and one 48" long, or one continuous L shaped bar		x	
Grab bars are placed horizontally at 36" above the floor line		x	

#### **PICNICKING**

A minimum of 5% of the total tables must be accessible with clear space under the table top not less than 30" wide and 19" deep per seating space and not less than 27" clear from the ground to the underside of the table. An additional 29" clear space (totaling 48") must extend beyond the 19" clear space under the table to provide access		x	
For tables without toe clearance, the knee space under the table must be at least 28" high, 30" wide and 24" deep		x	
Top of table no higher than 32" above ground		x	
Surface of the clear ground space under and around the table must be stable, firm and slip-resistant, and evenly graded with a maximum slope of 2% in all directions		x	
Accessible tables, grills and fire rings must have clear ground space of at least 36" around the perimeter		x	

**LOCATION/FACILITY/PROGRAM**

Facility

MES Playground

Activity	Equipment	Notes	Yes	No	Comment
Picnic Facilities	Tables & Benches	Located adjacent to accessible paths	x		
		Access to Open Spaces	x		
		Back and Arm Rests		x	
		Adequate number	x		
	Grills	Height of Cooking Surface		x	
		Located adjacent to accessible paths		x	
	Trash Cans	Located adjacent to accessible paths		x	
	Picnic Shelters	Located adjacent to accessible paths		x	
		Located near accessible water fountains, trash can, restroom, parking, etc.		x	
Trails		Surface material	x		
		Dimensions		x	
		Rails		x	
		Signage (for visually impaired)		x	
Swimming Facilities	Pools	Entrance		x	
		Location from accessible parking		x	
		Safety features i.e. warning for visually impaired		x	
	Beaches	Location from accessible path into water		x	
		Handrails		x	
		Location from accessible parking		x	
		Shade provided		x	
Play Areas (tot lots)	All Play Equipment i.e. swings, slides				
		Same experience provided to all		x	
	Access Routes	Located adjacent to accessible paths	x		
		Enough space between equipment for wheelchair	x		
Game Areas: *ballfield; *basketball; *tennis	Access Routes	Located adjacent to accessible paths	x		
		Berm cuts onto courts		x	
	Equipment	Height		x	
		Dimensions		x	
		Spectator Seating	x		
Boat Docks	Access Routes	Located adjacent to accessible paths		x	
		Handrails		x	
Fishing Facilities	Access Routes	Located adjacent to accessible paths		x	
		Handrails		x	
	Equipment	Arm Rests		x	
		Bait Shelves		x	
		Handrails		x	
		Fish Cleaning Tables		x	
Program-	Are special programs at your	Learn-to-Swim		x	
		Guided Hikes		x	

ming	facilities accessible?	Interpretive Programs		X	
Services and Technical Assistance	Information available in alternative formats i.e. for visually impaired			X	
	Process to request interpretive services (i.e. sign language interpreter) for meetings			X	

## PARKING

Total Space	Required Accessible Spaces	Yes	No	Comment/Transition Notes
Up to 25	1 space	X		
26-50	2 spaces		X	
51-75	3 spaces		X	
76-100	4 spaces		X	
101-150	5 spaces		X	
151-200	6 spaces		X	
201-300	7 spaces		X	
301-400	8 spaces		X	
401-500	9 spaces		X	

Specification for Accessible Spaces	Yes	No	Comment/Transition Notes
Accessible space located closest to accessible entrance	X		
Where spaces cannot be located within 200 ft of accessible entrance, drop-off area is provided within 100 ft.		X	
Minimum width of 13 ft includes 8 ft space plus 5 ft access aisle		X	
Van space – minimum of 1 van space for every accessible space, 8 ft wide plus 8 ft aisle. Alternative is to make all accessible spaces 11 ft wide with 5 ft aisle.		X	
Sign with international symbol of accessibility at each space or pair of spaces		X	
Sign minimum 5 ft, maximum 8 ft to top of sign		X	
Surface evenly paved or hard-packed (no cracks)		X	
Surface slope less than 1:20, 5%	X		
Curbside to pathway from parking lot at each space or pair of spaces, if sidewalk (curb) is present	X		
Curbside is a minimum width of 3 ft, excluding sloped sides, has sloped sides, all slopes not to exceed 1:12, and textured or painted yellow	X		

## RAMPS

Specifications	Yes	No	Comment/Transition Notes
Slope Maximum 1:12		X	
Minimum width 4 ft between handrails		X	
Handrails on both sides if ramp is longer than 6 ft		X	
Handrails at 34" and 19" from ramp surface		X	
Handrails extend 12" beyond top and bottom		X	
Handgrip oval or round		X	
Handgrip smooth surface		X	

Handgrip diameter between 1¼" and 2"		X	
Clearance of 1½" between wall and wall rail		X	
Non-slip surface		X	
Level platforms (4ft x 4 ft) at every 30 ft, at top, at bottom, at change of direction		X	

#### Notes

### SITE ACCESS, PATH OF TRAVEL, ENTRANCES

#### Specifications

Yes No Comment/Transition Notes

#### Site Access

Accessible path of travel from passenger disembarking area and parking area to accessible entrance		X	
Disembarking area at accessible entrance		X	
Surface evenly paved or hard-packed	X		
No ponding of water	X		

#### Path of Travel

Path does not require the use of stairs	X		
Path is stable, firm and slip resistant	X		
3 ft wide minimum	X		
Slope maximum 1:20 (5%) and maximum cross pitch is 2% (1:50).	X		
Continuous common surface, no changes in level greater than ½ inch	X		
Any objects protruding onto the pathway must be detected by a person with a visual disability using a cane	X		
Objects protruding more than 4" from the wall must be within 27" of the ground, or higher than 80"	X		
Curb on the pathway must have curb cuts at drives, parking and drop-offs	X		

#### Entrances

Primary public entrances accessible to person using wheelchair, must be signed, gotten to independently, and not be the service entrance		X	
Level space extending 5 ft. from the door, interior and exterior of entrance doors		X	
Minimum 32" clear width opening (i.e. 36" door with standard hinge)		X	
At least 18" clear floor area on latch, pull side of door		X	
Door handle no higher than 48" and operable with a closed fist		X	
Vestibule is 4 ft plus the width of the door swinging into the space		X	
Entrance(s) on a level that makes elevators accessible		X	
Door mats less than ½" thick are securely fastened		X	
Door mats more than ½" thick are recessed		X	
Grates in path of travel have openings of ½" maximum		X	

Signs at non-accessible entrance(s) indicate direction to accessible entrance		X	
Emergency egress – alarms with flashing lights and audible signals, sufficiently lighted		X	

## NOTES

## STAIRS and DOORS

### Specifications

### Yes No Comment/Transition Notes

#### Stairs

No open risers		X	
Nosings not projecting		X	
Treads no less than 11" wide		X	
Handrails on both sides		X	
Handrails 34"-38" above tread		X	
Handrail extends a minimum of 1 ft beyond top and bottom riser (if no safety hazard and space permits)		X	
Handgrip oval or round		X	
Handgrip has a smooth surface		X	
Handgrip diameter between 1¼" and 1½"		X	
1½" clearance between wall and handrail		X	

#### Doors

Minimum 32" clear opening		X	
At least 18" clear floor space on pull side of door		X	
Closing speed minimum 3 seconds to within 3" of the latch		X	
Maximum pressure 5 pounds interior doors		X	
Threshold maximum ½" high, beveled on both sides		X	
Hardware operable with a closed fist (no conventional door knobs or thumb latch devices)		X	
Hardware minimum 36", maximum 48" above the floor		X	
Clear, level floor space extends out 5 ft from both sides of the door		X	
Door adjacent to revolving door is accessible and unlocked		X	
Doors opening into hazardous area have hardware that is knurled or roughened		X	

## NOTES

**RESTROOMS – also see Doors and Vestibules**

**Specifications**

**Yes No Comment/Transition Notes**

5 ft turning space measured 12" from the floor		X	
--	--	---	--

**At least one Sink:**

Clear floor space of 30" by 48" to allow a forward approach		X	
Mounted without pedestal or legs, height 34" to top of rim		X	
Extends at least 22" from the wall		X	
Open knee space a minimum 19" deep, 30" width, and 27" high		X	
Cover exposed pipes with insulation		X	
Faucets operable with closed fist (lever or spring activated handle)		X	

**At least one Stall:**

Accessible to person using wheelchair at 60" wide by 72" deep		X	
Stall door is 36" wide		X	
Stall door swings out		X	
Stall door is self closing		X	
Stall door has a pull latch		X	
Lock on stall door is operable with a closed fist, and 32" above the floor		X	
Coat hook is 54" high		X	

**Toilet**

18" from center to nearest side wall		X	
42" minimum clear space from center to farthest wall or fixture		X	
Top of seat 17"-19" above the floor		X	

**Grab Bars**

On back and side wall closest to toilet		X	
1¼" diameter		X	
1½" clearance to wall		X	
Located 30" above and parallel to the floor		X	
Acid-etched or roughened surface		X	
42" long		X	

**Fixtures**

Toilet paper dispenser is 24" above floor		X	
One mirror set a maximum 38" to bottom (if tilted, 42")		X	
Dispensers (towel, soap, etc) at least one of each a maximum 42" above the floor		X	

**NOTES****FLOORS, DRINKING FOUNTAINS, TELEPHONES****Specifications****Yes No Comment/Transition Notes****Floors**

Non-slip surface		X	
Carpeting is high-density, low pile, non-absorbent, stretched taut, securely anchored		X	
Corridor width minimum is 3 ft		X	
Objects (signs, ceiling lights, fixtures) can only protrude 4" into the path of travel from a height of 27" to 80" above the floor		X	

**Drinking Fountains**

Spouts no higher than 36" from floor to outlet		X	
Hand operated push button or level controls		X	
Spouts located near front with stream of water as parallel to front as possible		X	
If recessed, recess a minimum 30" width, and no deeper than depth of fountain		X	
If no clear knee space underneath, clear floor space 30" x 48" to allow parallel approach		X	

**Telephones**

Highest operating part a maximum 54" above the floor		X	
--	--	---	--



Access within 12" of phone, 30" high by 30" wide		X	
Adjustable volume control on headset so identified		X	

## SIGNS, SIGNALS, AND SWITCHES

### Switches, Controls and Signs

Switches and controls for light, heat, ventilation, windows, fire alarms, thermostats		X	
Electrical outlets centered no lower than 18" above the floor		X	
Warning signals must be visual as well as audible		X	

### Signs

Mounting height must be 60" to centerline of the sign		X	
Within 18" of door jamb or recessed		X	
Letters and numbers at least 1 1/4" high		X	
Letters and numbers raised .03"		X	
Letters and numbers contrast with the background color		X	

## NOTES

## SWIMMING POOLS, SHOWER ROOMS & PICNIC FACILITIES

### Specifications

Yes No Comment/Transition Notes

### SWIMMING POOLS – accessibility can be via ramp, lifting device, or transfer area

Ramp at least 34" wide with a non-slip surface extending into the shallow end, slope not exceeding 1:6 with handrails on both sides		X	
Lifting device		X	
Transfer area 18" above the path of travel and a minimum of 18" wide		X	
Unobstructed path of travel not less than 48" wide around pool		X	
Non-slip surface		X	

### SHOWER ROOMS - Showers must accommodate both wheel-in and transfer use

Stalls 36" by 60" minimum, with a 36" door opening		X	
Floors are pitched to drain the stall at the corner farthest from entrance		X	
Floors are non-slip surface		X	
Controls operate by a single lever with a pressure balance mixing valve		X	
Controls are located on the center wall adjacent to the hinged seat		X	
Shower heads attached to a flexible metal hose		X	
Shower heads attached to wall mounting adjustable from 42" to 72" above the floor		X	

Seat is hinged and padded and at least 16" deep, folds upward, securely attached to side wall, height is 18" to the top of the seat, and at least 24" long		x	
Soap trays without handhold features unless they can support 250 pounds		x	
2 grab bars are provided, one 30" and one 48" long, or one continuous L shaped bar		x	
Grab bars are placed horizontally at 36" above the floor line		x	

#### **PICNICKING**

A minimum of 5% of the total tables must be accessible with clear space under the table top not less than 30" wide and 19" deep per seating space and not less than 27" clear from the ground to the underside of the table. An additional 29" clear space (totaling 48") must extend beyond the 19" clear space under the table to provide access		x	
For tables without toe clearance, the knee space under the table must be at least 28" high, 30" wide and 24" deep		x	
Top of table no higher than 32" above ground		x	
Surface of the clear ground space under and around the table must be stable, firm and slip-resistant, and evenly graded with a maximum slope of 2% in all directions		x	
Accessible tables, grills and fire rings must have clear ground space of at least 36" around the perimeter		x	

## 2.2 Equal Employment Opportunity/Affirmative Action

The Town recognizes the right of individuals to work and advance on the basis of merit, ability, and potential without regard to race, sex, color, disability, religion, national origin, sexual orientation, age, and genetic information, as defined by law, or any other legally protected status. Non-discrimination and equal opportunity are the policy of the Town in all of its hiring programs and activities.

Toward this end, the Town commits itself to take affirmative measures to ensure equal opportunity in the recruitment and hiring, rate of compensation, and all terms and conditions of employment. The Town is committed to fostering and encouraging a workplace comprised of individuals of diverse backgrounds, races, genders, abilities, religious beliefs, sexual orientation, and ages.

All Town employees are encouraged to take diligent, affirmative steps to ensure equal opportunity and respect for diversity. The policy of the Town is to recruit and hire without regard to race, sex, color, disability, religion, national origin, sexual orientation, or age. Decisions about employment will be made so as to encourage the development of a diverse workforce.

## 5.2 Non-Discrimination Policy

The Town recognizes the right of individuals to work and advance on the basis of merit, ability, and potential without regard to race, sex, color, disability, religion, national origin, sexual orientation, or age. Non-discrimination and equal opportunity are the policy of the Town in all of its employment programs and activities.

Toward this end, the Town commits itself to take affirmative measures to ensure equal opportunity in the areas of recruitment, hiring, promotion, demotion or transfer, layoff or termination, rates of compensation, in-service or apprenticeship training programs, and all terms and conditions of employment. The Town is committed to fostering and encouraging a workplace comprised of individuals of diverse backgrounds, races, genders, abilities, religious beliefs, sexual orientation, and ages.

All Town employees are encouraged to take diligent, affirmative steps to ensure equal opportunity and respect for diversity, not only in the internal affairs of the Town departments and agencies, but also in their relations with the public, including those persons or organizations doing business with the Town. The policy of the Town is to:

Recruit, hire, and promote in all job classifications without regard to race, sex, color, disability, religion, national origin, sexual orientation, or age.

Make decisions about employment so as to encourage the development of a diverse workforce.

Ensure that employment and promotion decisions are made in accordance with the principles of equal opportunity, by imposing only valid, job-related requirements for employment and promotional opportunities.

Ensure that all other personnel actions such as compensation, benefits, transfers, layoff, recall, training, tuition assistance, and social and recreational programs will be administered without regard to race, sex, color, disability, religion, national origin, sexual orientation or age.

Prohibit any kind of harassment based on race, sex, color, disability, religion, national origin, sexual orientation, or age.

No retaliatory action against those persons who file complaints of discrimination or against individuals who cooperate in such investigations will be tolerated. Violation of this policy will lead to appropriate disciplinary action up to and including termination from Town service.

Anyone who feels that he or she has been discriminated against by the Town on the basis of race, sex, color, religion, national origin, sexual orientation or age in employment practices may file a grievance in accordance with the procedures described in this document.

### 5.3 Americans with Disabilities Act

It is the policy of the Town to comply with requirements of the regulations contained in the U.S. Americans with Disabilities Act of 1990. This policy applies to all employees of the Town excluding those employees under the supervision and control of the School Committee.

The Town will not discriminate against people with disabilities in any employment practices or in terms, conditions or privileges of employment, including, but not limited to: application, testing, hiring, assignment, evaluation, disciplinary action, training, promotion, medical examination, layoff/recall, termination, compensation, leaves or benefits.

The Town has and will continue to establish occupational qualifications for each position, including the education, skills, and work experience required, and the physical, mental and environmental standards necessary for job performance, health, and safety. Such standards are job-related and consistent with business necessity.

The Town will provide reasonable accommodation to the known physical or mental limitations of a qualified applicant or employee unless such accommodation will impose undue hardship on the Town.

When attempting to identify what is a reasonable accommodation, the Appointing Authority or Department Head should examine the particular job involved, determining its purpose and its essential functions. Consult with the individual with the disability to find out his or her specific physical or mental abilities and limitations. In consultation with the individual, identify potential accommodations and assess how effective each would be.

If an individual requests an accommodation which the Appointing Authority or Department Head considers to be unnecessary, he/she may ask for written documentation from a physician or other professional with knowledge of the individual's functional limitations. The determination that any reasonable accommodation represents an undue hardship will be made by the Board of Selectmen or their designee.

No pre-employment inquiries may be made about an applicant's disability. This prohibition does not prevent an employer from obtaining necessary information regarding an applicant's qualifications, including medical information necessary to assess such qualifications and to ensure health and safety on the job. Before making a job offer, the Town may ask questions about an applicant's ability to perform specific job functions and may make a job offer that is conditioned on satisfactory results of a post-offer medical examination or inquiry. The Town may not make inquiries about specific disabilities. In addition, the Department Head or Appointing Authority may not ask the reference provider about the applicant's Disability, Illness, or Workers' Compensation history.

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

Violation of this policy will lead to appropriate disciplinary action up to and including termination. The Town's grievance procedure for discrimination is contained below.

#### 5.4 Discrimination Grievance Procedure

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

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

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

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

Within 15 calendar days after receipt of the grievance, the Executive Secretary will meet with the grievant to discuss the grievance and possible resolutions. Within 15 calendar days after the meeting, the Executive Secretary will respond to the grievant in writing. The response will explain the position of the Town and may offer options for substantive resolution of the grievance.

All grievances received by the Executive Secretary and responses from same, will be kept by the Town for at least three (3) years. Such documents will remain strictly confidential to the extent practicable, or provided by law.

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

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

## 5.6 Protected Class Harassment Policy

It is the goal of the Town of Millville to promote a workplace that is free of discriminatory harassment of any type, including sexual harassment. Discriminatory harassment consists of unwelcome conduct, whether verbal or physical, that is based on a characteristic protected by law, such as sex, race, color, national origin, religion, age, disability, or sexual orientation. The Town of Millville will not tolerate harassing conduct that affects employment conditions, that interferes unreasonably with an individual's performance, or that creates an intimidating, hostile, or offensive work environment.

Harassment of employees occurring in the workplace, in connection with work-related travel, and/or work-sponsored events will not be tolerated. Further, any retaliation against an individual who has complained about harassment or retaliation against individuals for cooperating with an investigation of a harassment complaint is similarly unlawful and will not be tolerated.

Because the Town takes allegations of harassment seriously, we will respond promptly to complaints of harassment. Where it is determined that inappropriate conduct has occurred, we will act promptly to eliminate the conduct and impose such corrective action as is necessary, including disciplinary action where appropriate.

Please note that while this policy sets forth our goals of promoting a workplace that is free of harassment, the policy is not designed or intended to limit our authority to discipline or take remedial action for workplace conduct which we deem unacceptable, regardless of whether that conduct satisfies the definition of harassment.

### Definitions

Harassment means unwelcome conduct, whether verbal or physical, that is based on a characteristic protected by law. Harassment includes, but is not limited to:

Display or circulation of written materials or pictures that are degrading to a person or group as previously described;

Verbal abuse on the basis of any protected status;

Use of words that degrade a protected class or person because of his/her protected class status;

Jokes or language about a protected class;

Obscene or suggestive gestures or sounds intended to relate to the protected class;

Teasing related to the protected class;

Verbal comments of a nature about an individual's appearance or terms used to describe an individual that are related to the individual's protected class;

Verbal abuse, comments, jokes, teasing or threats directed at a person because of his/her protected class status;

Posting or distributing objects, pictures, cartoons or other materials degrading to the protected class or a person because of his/her protected class status;

Letters or notes that degrade the protected class or a person because of his/her protected class status;

Sending offensive or discriminatory messages or materials through the use of electronic communications (e.g., electronic mail, including the Internet, voicemail and facsimile) which are degrading to the protected class or a person because of his/her protected class status; and

Condoning harassment on the basis of protected class.

Harassment on the basis of protected class status is not limited to behavior by a non-member of the protected class. Protected class harassment can occur in a variety of circumstances. Here are some things to remember:

The harasser does not have to be the victim's supervisor;

A member of the protected class may be victimized by another member of the protected class;

The victim does not have to be the person at whom the unwelcome protected class harassment is directed. The victim may be someone who is affected by the harassing conduct, even when it is directed toward another person, if the conduct creates an intimidating, hostile, or offensive working environment for the co-worker or interferes with the co-worker's work performance.

### Retaliation

Retaliation against an individual for filing a complaint of protected class harassment or against any individual for cooperating in an investigation of a protected class harassment complaint is against the law.

### Violation of Policy

Any individual violating this policy will be subject to appropriate discipline, including possible discharge.

### Complaint Procedure

All employees of the Town share responsibility for avoiding, discouraging and reporting any form of discriminatory harassment. The primary responsibility for ensuring proper investigation and resolution of harassment complaints rests with the Harassment Grievance Officer or his/her designee, who will administer the policy and procedures described herein. An employee wishing to file a complaint should contact the Harassment Grievance Officer. The current Harassment Grievance Officer is Lisa Larue. Lisa can be reached in the Treasurer's Office at the Town Hall and her telephone number is 508-883-7449. If you would prefer, you may contact Helen Coffin



who has been designated the Alternate Harassment Grievance Officer. Helen can be reached in the Executive Secretary's Office at the Town Hall and her telephone number is 508-883-1186.

If any employee believes that he or she has been subjected to discriminatory harassment, the employee has the right to file a complaint with the Town. This may be done in writing or orally. In addition, residents, visitors, applicants, vendors, contractors, their agents and employees, or other third parties who believe they have been subjected to discriminatory harassment may also file a complaint with the Town using the procedures described herein. Furthermore, employees may also file a complaint if they have been subjected to harassment from residents, visitors, applicants, vendors, contractors, their agents and employees, or any other third parties in the workplace, while performing work-related duties, or during other work-related activities.

Prompt reporting of harassment is in the best interest of the Town and is essential to a fair, timely, and thorough investigation. Accordingly, complaints should be filed as soon as possible following the incident(s) at issue. If you would like to file a complaint you may do so by contacting the Harassment Grievance Officer.

#### Complaint Investigation

When a complaint is received, the allegation will promptly be investigated in a fair and expeditious manner to determine whether there has been a violation of our policy. The investigation will be conducted in such a way as to maintain confidentiality to the extent practicable under the circumstances, or allowable by law. The investigation will include private interviews with the person filing the complaint, with witnesses and with the person alleged to have committed harassment. The complainant, the person alleged to have committed harassment, and all witnesses are required to fully cooperate with all aspects of an investigation. When the investigation is complete, the person filing the complaint and the person alleged to have committed the conduct will be informed, to the extent appropriate, of the results of that investigation.

Notwithstanding any provision of this policy, the Town reserves the right to investigate and take action on its own initiative in response to behavior and conduct which may constitute harassment or otherwise be inappropriate, regardless of whether an actual complaint has been filed.

If it is determined that inappropriate conduct has occurred, the Town will act promptly to eliminate the offending conduct, and where it is appropriate will also impose disciplinary action.

#### Decision

If it is determined that inappropriate conduct has been committed by a Town employee, appropriate action will be taken under the circumstances. Such action may range from counseling to termination from employment, and may include such other forms of disciplinary action as is deemed appropriate under the circumstances.

### State and Federal Remedies

In addition to the above, if you believe you have been subjected to discriminatory harassment of any type, including sexual harassment, you may file a formal complaint with the government agencies set forth below. Using the Town's complaint process does not prohibit you from filing a complaint with the following agencies. Each of the agencies require that claims be filed within 300 days from the alleged incident or from when the complainant became aware of the incident.

The United States Equal Employment Opportunity Commission ("EEOC")  
One Congress Street  
10<sup>th</sup> Floor, Boston, MA 02114  
(617) 565-3200

The Massachusetts Commission Against Discrimination ("MCAD")  
Boston Office:  
One Ashburton Place, Room 601  
Boston, MA 02108  
(617) 727-3990

Springfield Office:  
424 Dwight Street, Room 220  
Springfield, MA 01103  
(413) 739-2145

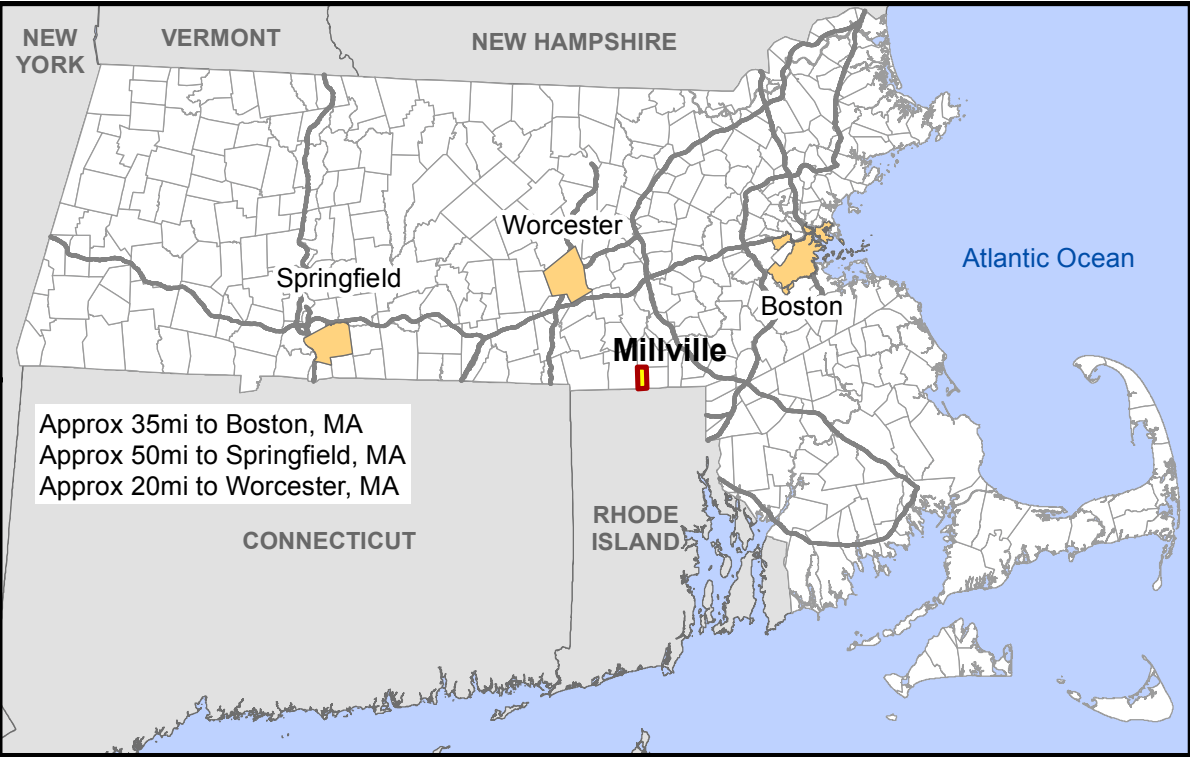
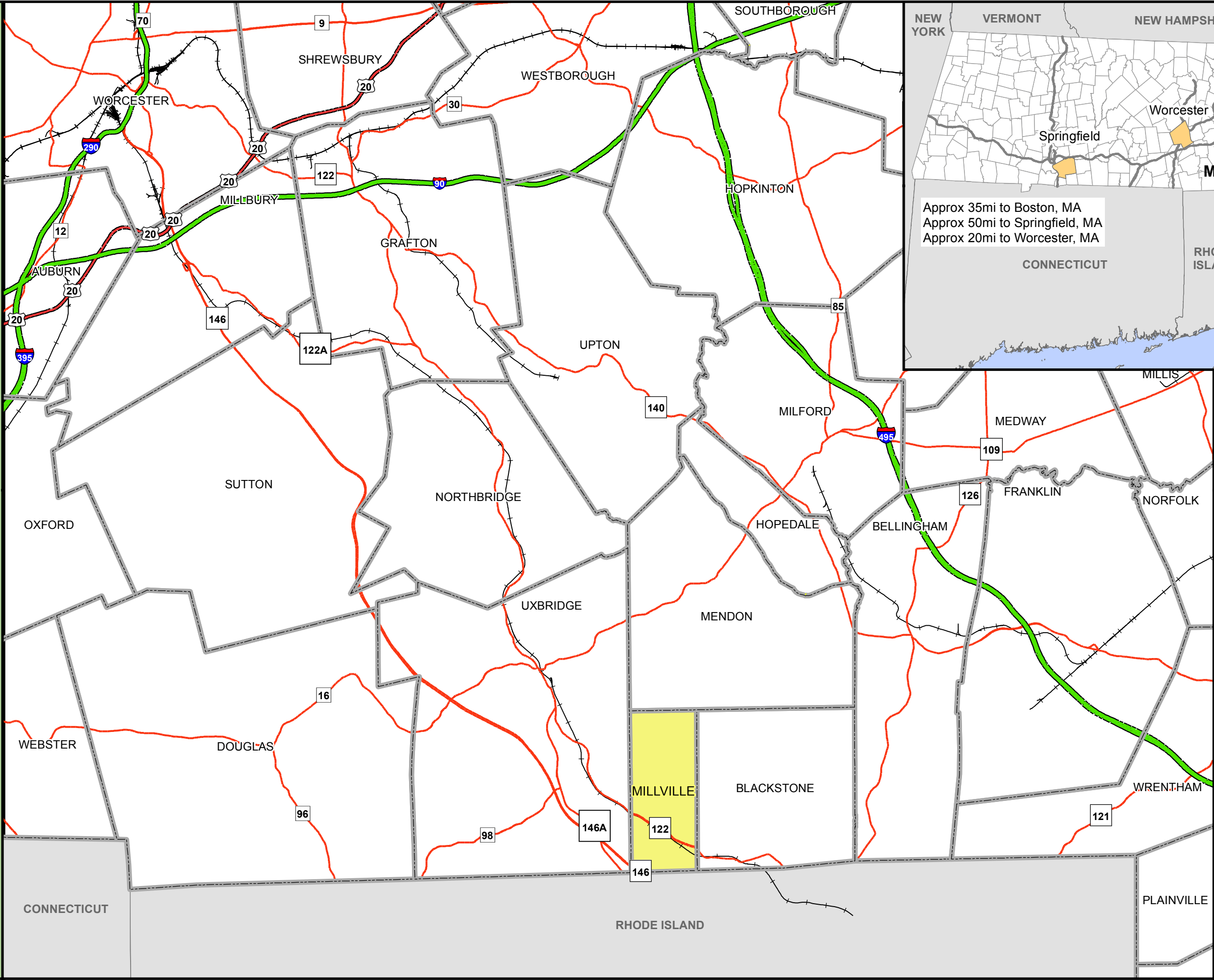
Worcester Office:  
22 Front Street, 5<sup>th</sup> Floor  
P.O. Box 8038  
Worcester, MA 01641  
(508) 799-6379

## APPENDIX A: MAPS

Please find all maps folded at the end of the report.

- Map 1 – Regional Context Map
- Map 2 – Environmental Justice Map
- Map 3 – Zoning Map
- Map 4 – Soils and Geologic Features Map
- Map 5 – Scenic Unique Features Map
- Map 6A – Water Resources Map 1
- Map 6B – Water Resources Map 2
- Map 7 – Open Space Inventory Map
- Map 8 – Action Plan Map
- Map 9 – Land Use
- Map 10 – Habitat Map

OPEN SPACE AND RECREATION PLAN

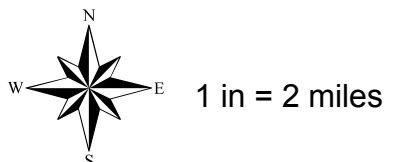


MAP 1  
REGIONAL  
CONTEXT MAP

Town of Millville,  
Massachusetts

Legend

- Town Boundary
- Active Railroad
- Interstate
- U.S. Route
- State Route



Source: Data provided by the Central Massachusetts Regional Planning Commission (CMRPC), massDOT and the Office of Geographic Information (MassGIS), Commonwealth of Massachusetts, Information Technology Division.

Information depicted on this map is for planning purposes only. This information is not adequate for legal boundary definition, regulatory interpretation, or parcel-level analysis. Use caution interpreting positional accuracy.

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1 Mercantile Street, Suite 500, Worcester, MA 01608

OPEN SPACE AND RECREATION PLAN

MAP 2 - ENVIRONMENTAL JUSTICE MAP

Town of Millville, Massachusetts

**LEGEND**

Town Boundaries

Water Bodies

Streams

Interstate

State Route

Local Road

Environmental Justice (Census 2010)

Minority

Income

English isolation

Minority and Income

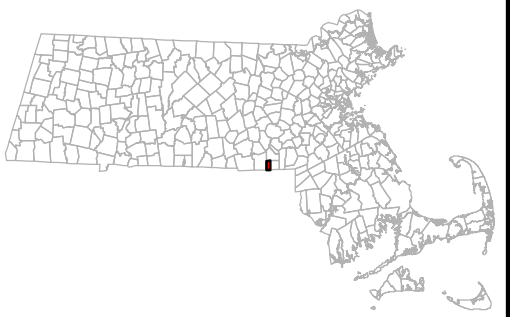
Minority and English isolation

Income and English isolation

Minority, Income and English isolation

1 inch = 0.24 miles

Date: 6/25/2018 Document Path: Z:\GIS Library\GIS Workspaces\Tran\Millville Open Space Plan 2017\OSRP\_188\_05\_E\_11x17.mxd



Source: Data provided by the Town of Millville, Central Massachusetts Regional Planning Commission (CMRPC), 2010 U.S. Census, massDOT and the Office of Geographic Information (MassGIS), Commonwealth of Massachusetts, Information Technology Division.

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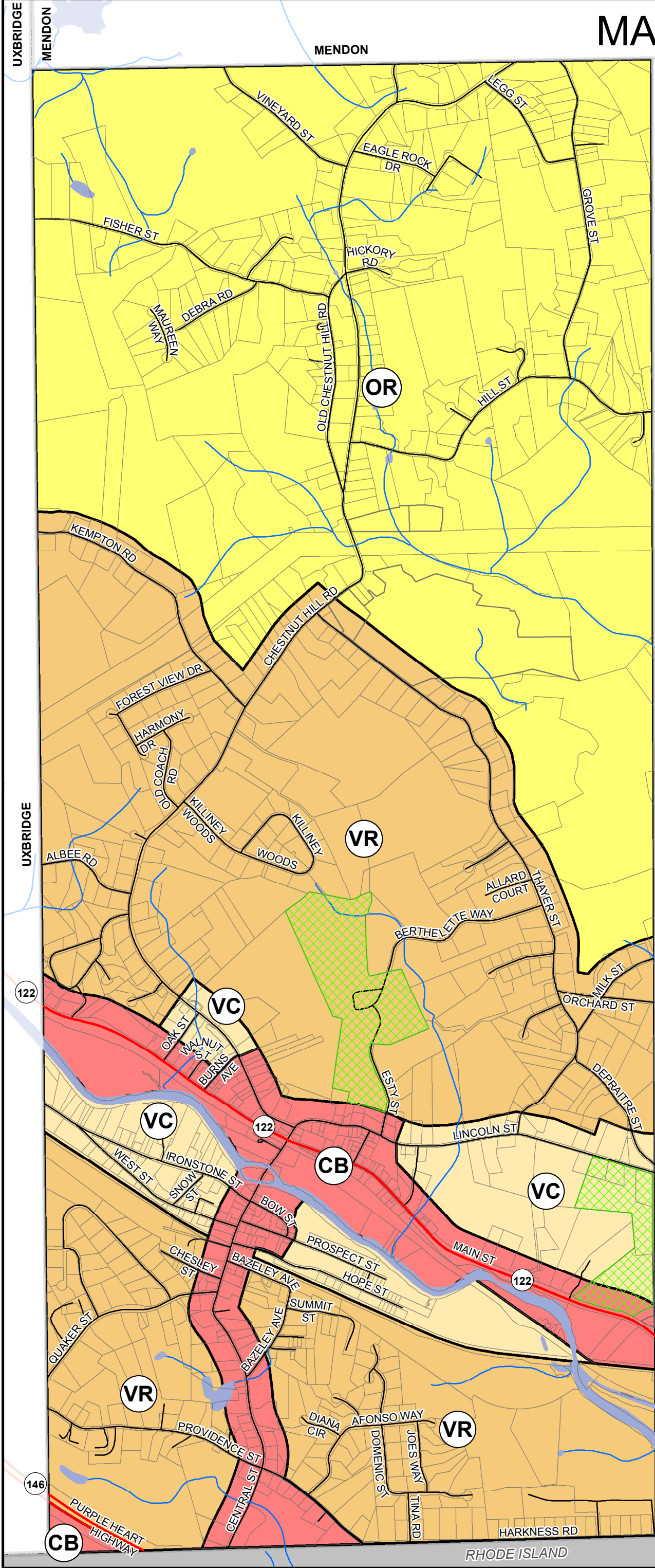
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# OPEN SPACE AND RECREATION PLAN

## MAP 3 - ZONING MAP

Town of Millville,  
Massachusetts



### LEGEND

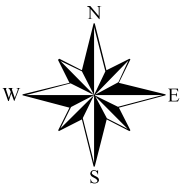
- Town Boundaries
- Interstate
- State Route
- Local Road
- Streams
- Water Bodies
- Renewable Energy Overlay District

### Zoning Districts

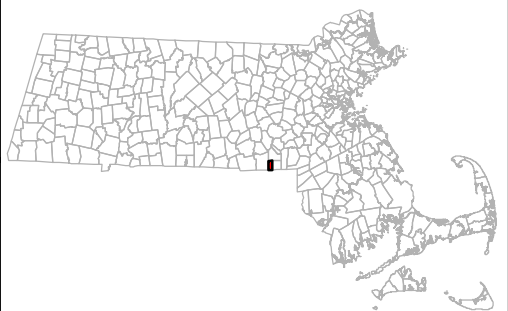
- Commercial Business District
- Outlying Residential District
- Village Center District
- Village Residential District

CURRENT AS OF: NOVEMBER 2016

\*Road to Zoning Boundary Distances  
Shown on the Map are from the center  
line of the R-O-W.



1 inch = 0.23 miles



Source: Data provided by the Town of Millville, Central  
Massachusetts Regional Planning Commission (CMRPC),  
massDOT/ Office of Transportation Planning Geospatial  
Resources Section and the Office of Geographic  
Information (MassGIS), Commonwealth of Massachusetts,  
Information Technology Division. Information depicted on this map  
is for planning purposes only. This information is not adequate  
for legal boundary definition, regulatory interpretation, or  
parcel-level analysis. Use caution interpreting positional accuracy.  
Note this map is not the official street map for the town. Information  
regarding the official status of any street in town can be  
obtained at the Town Clerk's office.

Produced by



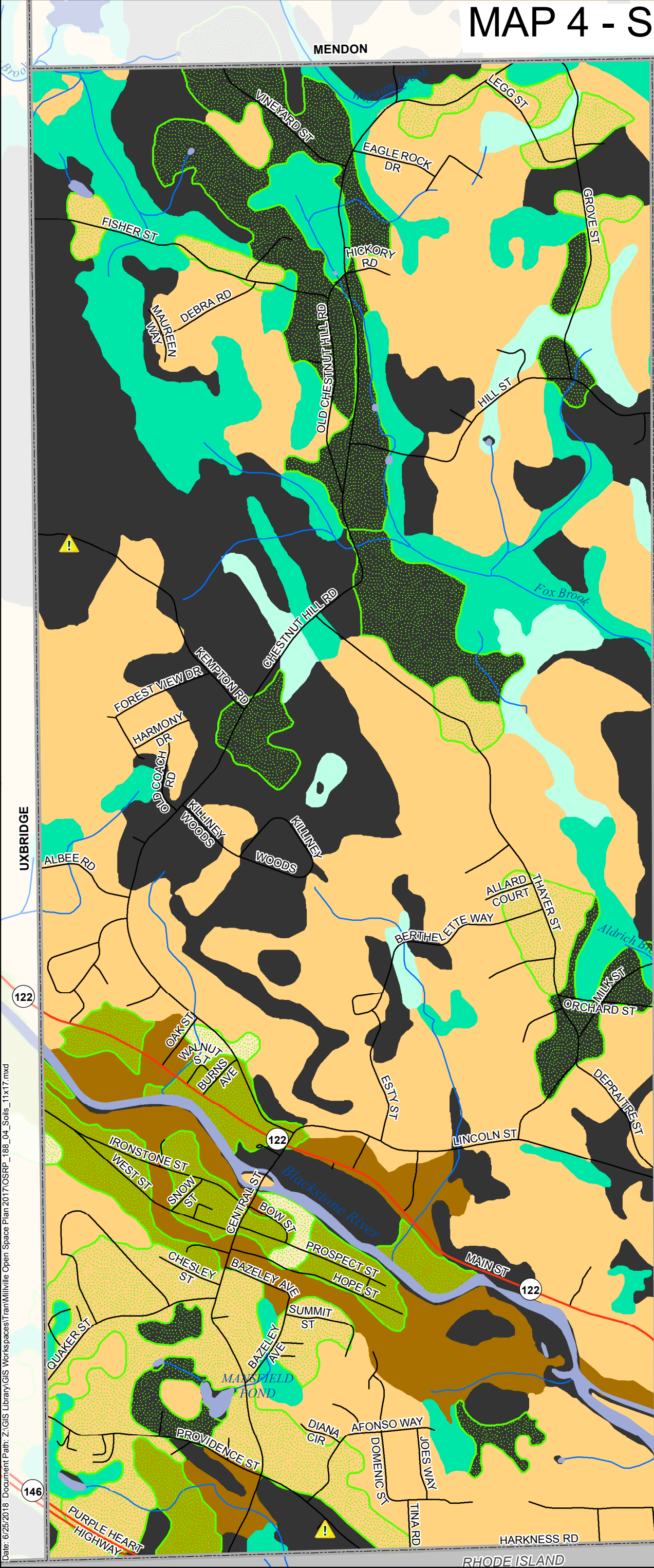
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OPEN SPACE AND RECREATION PLAN

MAP 4 - SOILS & GEOLOGIC FEATURES MAP

Town of Millville,  
Massachusetts



**LEGEND**

- Town Boundaries
- Interstate
- State Route
- Local Roads
- Streams
- Water Bodies
- MassDEP Tier 21E Sites\*\*
- AUL Location\*
- Prime Farmland Soils (NRCS Soils-WORC. S)
- NRCS SSURGO-Certified Soils (WORC. S)**  
(Dominant Drainage Class)
  - Excessively drained
  - Somewhat excessively drained
  - Well drained
  - Moderately well drained
  - Poorly drained
  - Very poorly drained
  - Not Classified

1 inch = 0.23 miles

\* The DEP Oil or Hazardous Materials Sites with Activity and Use Limitation (AUL) datalayer is a statewide point dataset containing the approximate location of oil or hazardous material release/disposal sites where an AUL has been filed. The sites mapped in this datalayer represent only a subset of the total reported release sites tracked by MassDEP BWSC.

An AUL provides notice of the presence of oil and/or hazardous material contamination remaining at the location after a cleanup has been conducted pursuant to Chapter 21E and the MCP.  
--Description From MassGIS website  
<http://www.mass.gov/mgis/aul.htm>.  
Data current as of 4/2018.

\*\* The MassDEP Tier Classified Oil and/or Hazardous Material Sites datalayer is a statewide point dataset containing the approximate location of oil and/or hazardous material disposal sites that have been (1) reported and (2) Tier Classified under M.G.L. Chapter 21E and the Massachusetts Contingency Plan (MCP).

Location data contained in this datalayer are based on MassDEP staff interpretation of information provided by PRPs and their LSPs. Point features in this datalayer should ONLY be considered as an "approximation" or "best estimate" of site locations based on the information submitted to the MassDEP BWSC. The accuracy and completeness of the information submitted has not been verified by MassDEP. ----Description From MassGIS website

See the MassGIS data layer description page for full data disclaimer.  
<http://www.mass.gov/mgis/c21e.htm>  
Data current as of 10/2016



Source: Data provided by the Town of Millville, Central Massachusetts Regional Planning Commission (CMRPC), USDA Natural Resources Conservation Service (NRCS), massDOT and the Office of Geographic Information (MassGIS), Commonwealth of Massachusetts, Information Technology Division.

Information depicted on this map is for planning purposes only. This information is not adequate for legal boundary definition, regulatory interpretation, or parcel-level analysis. Use caution interpreting positional accuracy.



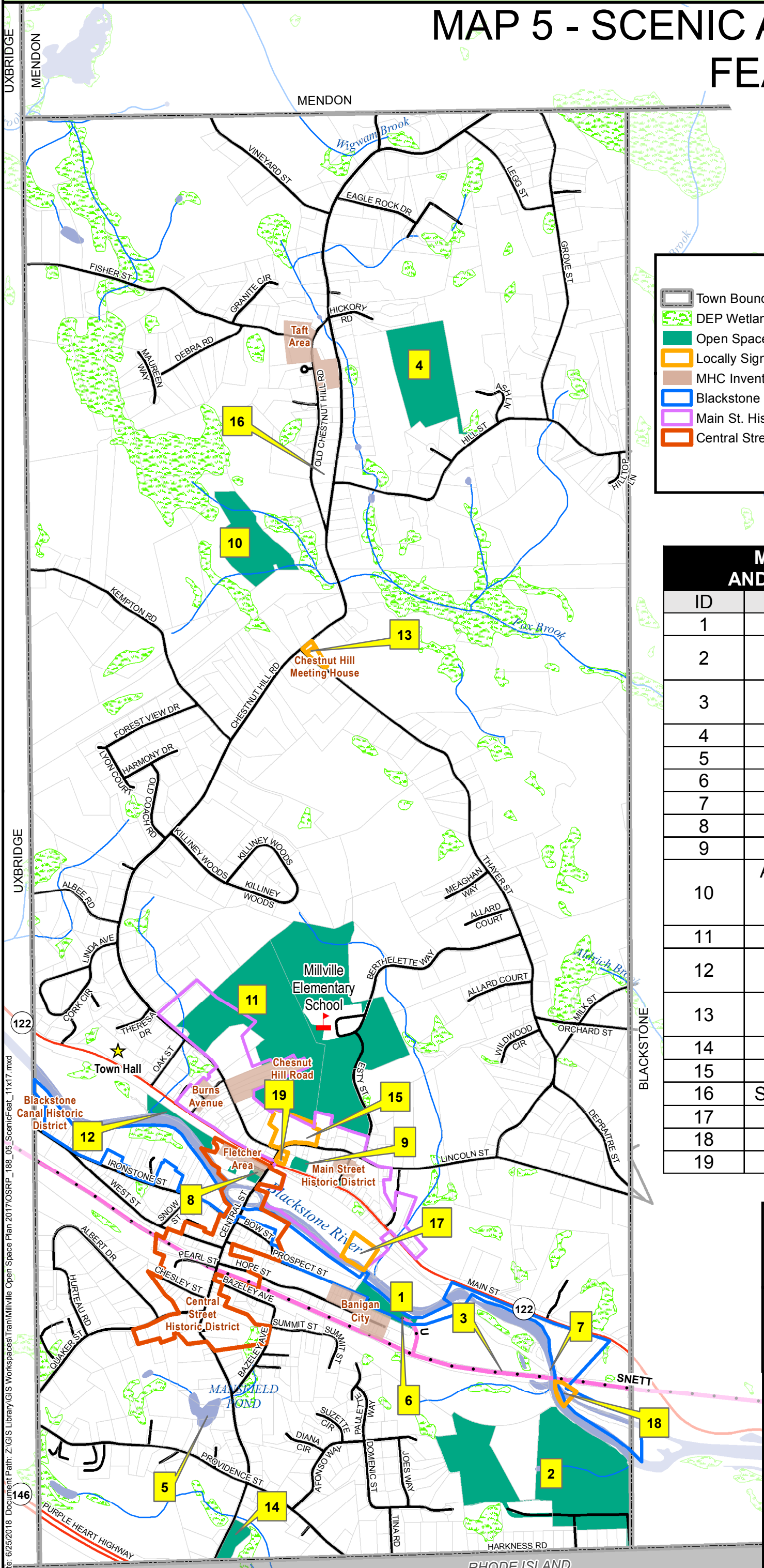
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OPEN SPACE AND RECREATION PLAN

MAP 5 - SCENIC AND UNIQUE FEATURES MAP

Town of Millville, Massachusetts



**LEGEND**

Town Boundaries

DEP Wetlands

Open Space

Locally Significant Area

MHC Inventoried Area

Blackstone Canal Historic District

Main St. Historic District

Central Street Historic District

Trails

Streams

Water Bodies

Roads

Interstate

State Route

Local

1 inch = 0.24 miles

N

MILLVILLE SCENIC AND UNIQUE FEATURES	
ID	Description
1	Blackstone River
2	Blackstone River & Canal Heritage State Park
3	Southern New England Trunkline Trail (SNETT)
4	Millville Town Forest
5	Mansfield Pond
6	Millville Canal Lock #21
7	Triad Bridge
8	Udor Tower Park
9	Veterans Memorial Park
10	Alvin W. Irons Memorial Park and Wildlife Sanctuary (Lyons Preserve)
11	King Conservation Area
12	Tucker Cove Conservation Area
13	Chestnut Street Meeting House and Cemetery
14	St. John Cemetery
15	St. John Episcopal Church
16	St. Augustine Catholic Church
17	"The Oval" baseball field
18	Canoe/boat launch
19	Centennial Park

Source: Data provided by the Town of Millville, Central Massachusetts Regional Planning Commission (CMRPC), and the Office of Geographic Information (MassGIS), Commonwealth of Massachusetts, Information Technology Division. Information depicted on this map is for planning purposes only. This information is not adequate for legal boundary definition, regulatory interpretation, or parcel-level analysis. Use caution interpreting positional accuracy.

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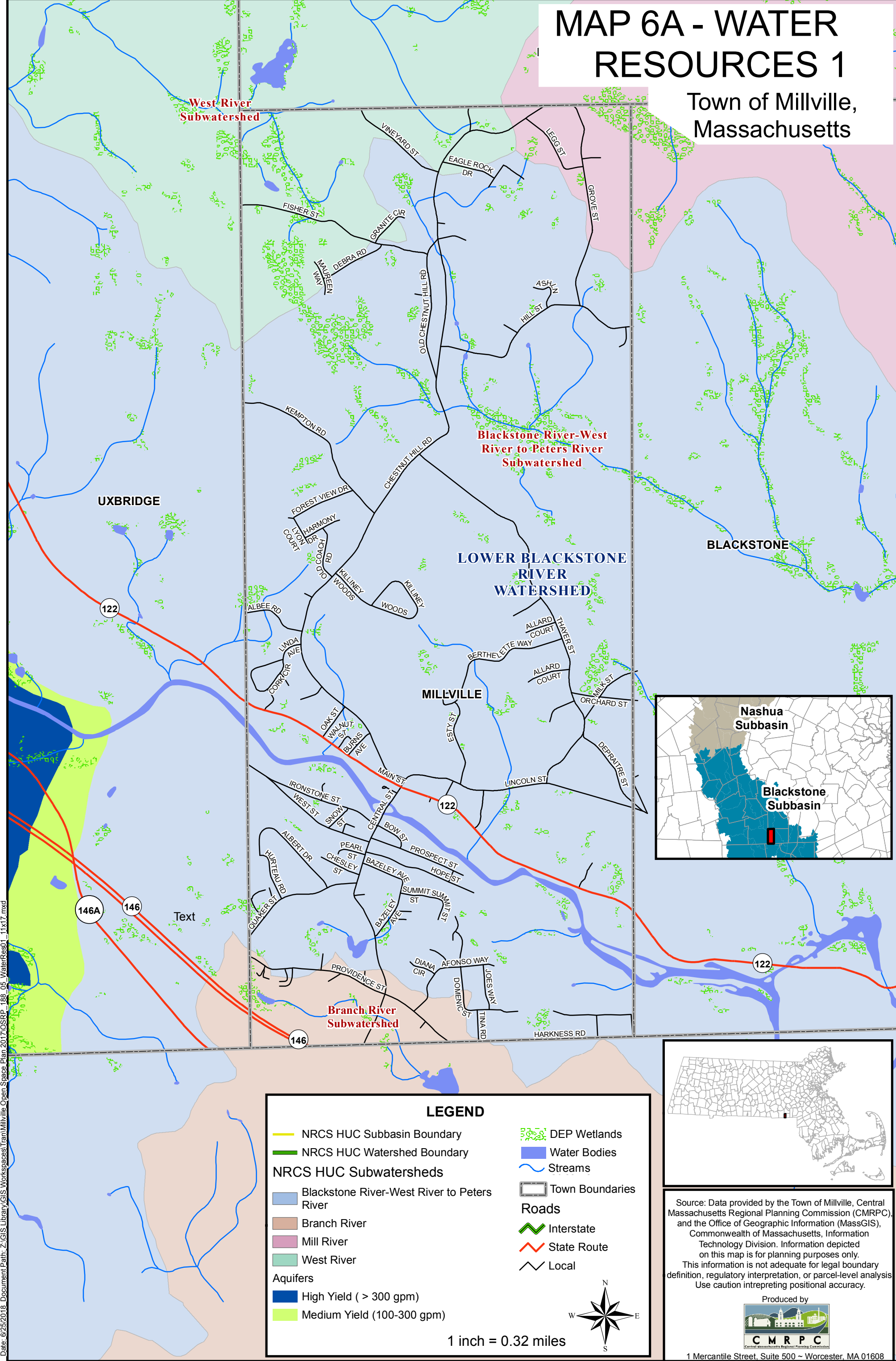
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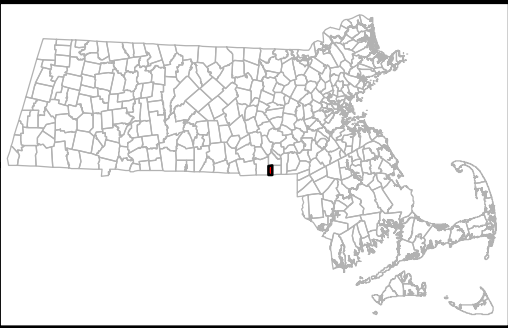
OPEN SPACE AND RECREATION PLAN

MAP 6A - WATER RESOURCES 1

Town of Millville, Massachusetts



Date: 6/25/2018, Document Path: Z:\GIS Library\GIS Workspaces\Tran\Millville Open Space Plan 2017\OSRP\_188\_05\_WaterRes01\_11x17.mxd

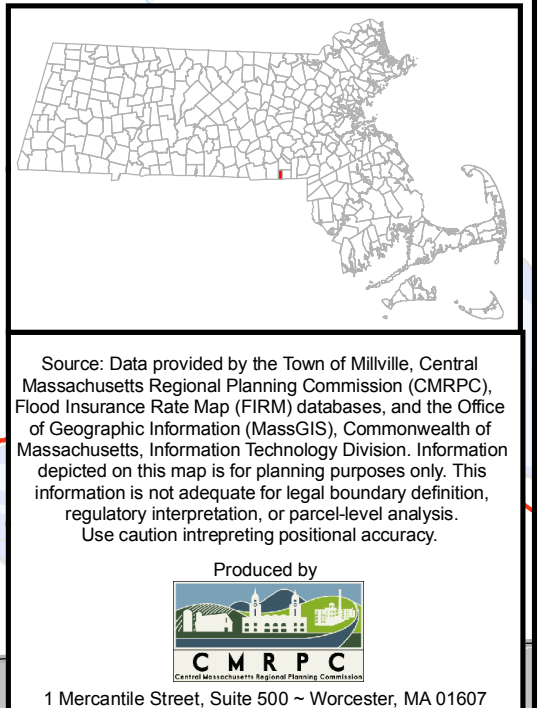


Source: Data provided by the Town of Millville, Central Massachusetts Regional Planning Commission (CMRPC), and the Office of Geographic Information (MassGIS), Commonwealth of Massachusetts, Information Technology Division. Information depicted on this map is for planning purposes only. This information is not adequate for legal boundary definition, regulatory interpretation, or parcel-level analysis. Use caution interpreting positional accuracy.



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# Town of Millville, Massachusetts

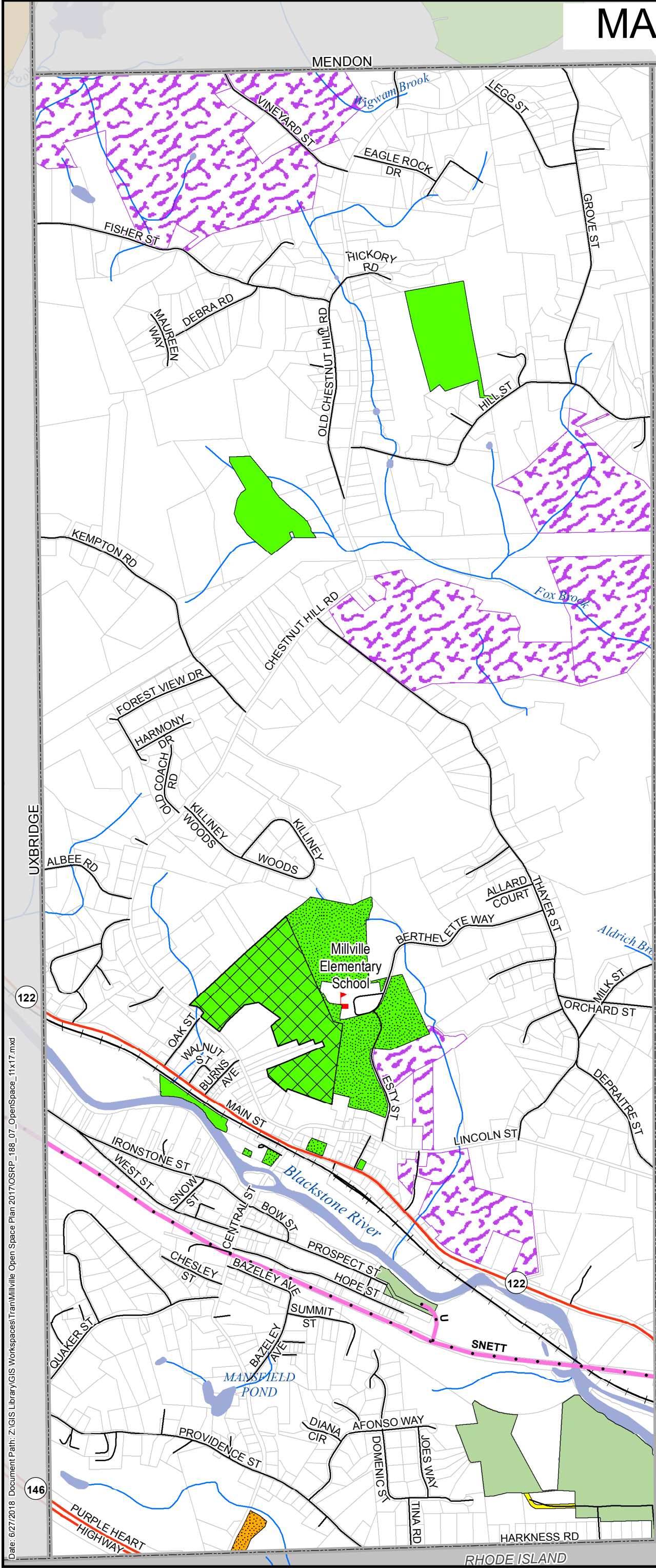




OPEN SPACE AND RECREATION PLAN

MAP 7 - OPEN SPACE INVENTORY MAP

Town of Millville, Massachusetts



**LEGEND**

Town Boundary

Water Bodies

Streams

Active Railroad

Trails

Open Space Ownership

Federal

State

Town

Private

Non-Profit

Interstate

U.S. Route

State Route

Local Road

Level of Protection

Perpetuity\*

Limited

None

\* Open space in Perpetuity will only show a solid ownership color.

Chapter 61/61A/61B Land

Conservation Restriction

Agricultural Preservation Restriction

1 in = 0.23 miles

Open Space data current as of 12/2017

MILLVILLE OPEN SPACE BY LEVEL OF PROTECTION (does not include Chapter Lands)	
PUBLIC OPEN SPACE (Federal, State, County or Municipal)	
Open Space Type	Total Acres
Perpetuity	87.85
Limited	41.75
None/Unknown	42.42
TOTAL	172.02
PRIVATE OPEN SPACE (Private or Other)	
Open Space Type	Total Acres
Perpetuity	0.81
Limited	0.00
None/Unknown	0.00
TOTAL	0.81
NON-PROFIT OPEN SPACE (Public Non-Profit, Conservation Organization, Land Trust or Private Non-Profit)	
Open Space Type	Total Acres
Perpetuity	0.00
Limited	2.35
None/Unknown	0.00
TOTAL	2.35
TOTAL OPEN SPACE GIS ACREAGE	175.18
*Acreage calculations based on GIS calculated acres.	

Source: Data provided by the Town of Millville, Central Massachusetts Regional Planning Commission (CMRPC), and the Office of Geographic Information (MassGIS), Commonwealth of Massachusetts, Information Technology Division. Information depicted on this map is for planning purposes only. This information is not adequate for legal boundary definition, regulatory interpretation, or parcel-level analysis. Use caution interpreting positional accuracy. Produced by

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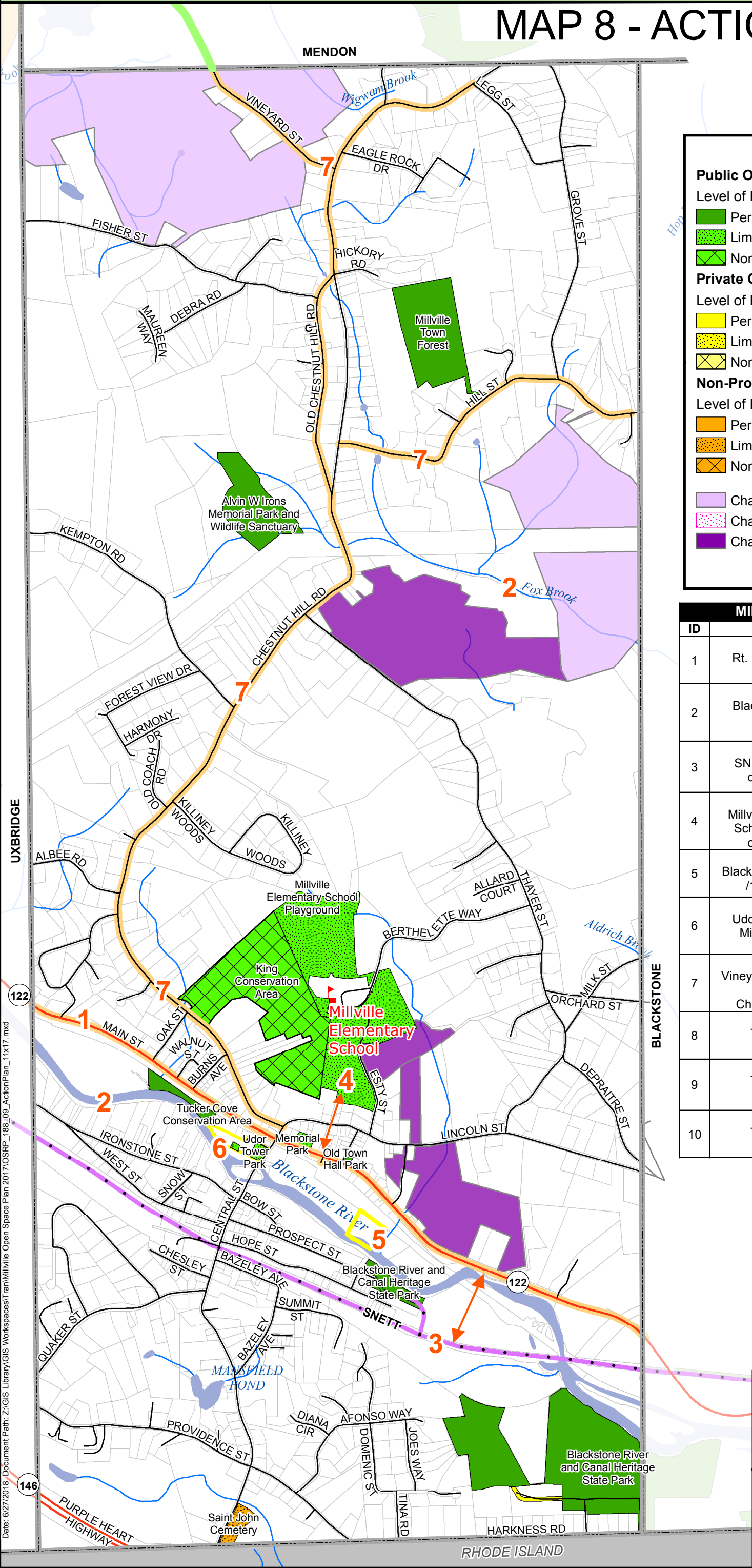
Date: 6/27/2018 Document Path: Z:\GIS Library\GIS Workspaces\TranMillville Open Space Plan 2017\OSRP\_188\_07\_OpenSpace\_11x17.mxd



OPEN SPACE AND RECREATION PLAN

MAP 8 - ACTION PLAN MAP

Town of Millville,  
Massachusetts



LEGEND

Public Open Space

Level of Protection

- Perpetuity
- Limited
- None/Unknown

Private Open Space

Level of Protection

- Perpetuity
- Limited
- None/Unknown

Non-Profit Open Space

Level of Protection

- Perpetuity
- Limited
- None/Unknown

- Chapter 61 Forest Land
- Chapter 61A Agricultural/Horticultural Land
- Chapter 61B Recreational Land

Town Boundaries

Streams

Water Bodies

Trails

Roads

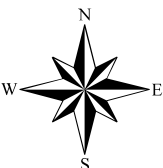
Interstate

State Route

Local

Scenic Roads

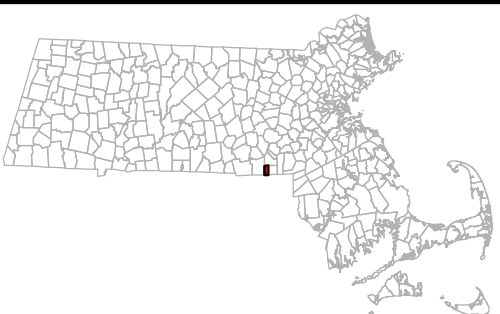
1 inch = 0.23 miles



Data Current as of 12/2017

MILLVILLE ACTION PLAN ITEMS

ID	Location	Action
1	Rt. 122 (Main St.)	Preserve key parcels within Rt. 122 corridor
2	Blackstone River/ Fox Brook	Increase protection of and access to Blackstone/waterfront resources
3	SNETT/ Main St. connections	Improved access to trails via Complete Streets projects (approved)
4	Millville Elementary School / Main St. connections	Maintain adequate pedestrian network and engage with Safe Routes to School Program
5	Blackstone Riverfront /181 Main St	Investigate feasibility of "The Oval" baseball field redevelopment
6	Udon Tower Park/ Millville Tot Lot	Identify protection statuses of town-owned properties, increase accessibility
7	Vineyard St./ Mendon town-line/ Chestnut Hill Rd	Implement Scenic Roads Bylaw and extend designation into Millville; identify priority areas
8	Town-wide	Maintain communication with neighboring towns
9	Town-wide	Change ownership of Town lands to ConCom
10	Town-wide	Determine where land preservation should be targeted



Source: Data provided by the Town of Millville, Central Massachusetts Regional Planning Commission (CMRPC), and the Office of Geographic Information (MassGIS), Commonwealth of Massachusetts, Information Technology Division. Information depicted on this map is for planning purposes only. This information is not adequate for legal boundary definition, regulatory interpretation, or parcel-level analysis. Use caution interpreting positional accuracy.

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# OPEN SPACE AND RECREATION PLAN

## MAP 9 - LAND USE MAP

Town of Millville,  
Massachusetts

Date: 6/25/2018 Document Path: Z:\GIS Library\GIS Workspaces\Tran\Millville\_Open Space Plan 2017\Millville\_Landuse\_Map\_11x17.mxd



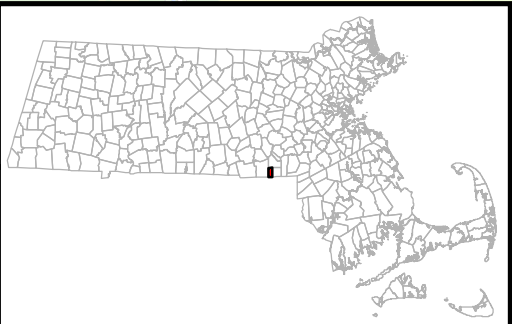
**LEGEND**

- Town Boundaries
- Interstate
- State Route
- Local
- Streams

Land Use (2005)

- High Density Residential
- Medium Density Residential
- Low Density Residential
- Very Low Density Residential
- Multi-Family Residential
- Commercial
- Industrial
- Open Land
- Pasture
- Cropland
- Forest
- Forested Wetland
- Non-Forested Wetland
- Cemetery
- Junkyard
- Mining
- Orchard
- Participation/Spectator Recreation
- Powerline/Utility
- Transitional
- Transportation
- Urban Public/Institutional
- Water

1 inch = 0.23 miles



Source: Data provided by the Town of Millville, Central Massachusetts Regional Planning Commission (CMRPC), and the Office of Geographic Information (MassGIS), Commonwealth of Massachusetts, Information Technology Division. Information depicted on this map is for planning purposes only. This information is not adequate for legal boundary definition, regulatory interpretation, or parcel-level analysis. Use caution interpreting positional accuracy.



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# OPEN SPACE AND RECREATION PLAN

## MAP 10 - BIOHABITAT MAP

Town of Millville,  
Massachusetts



### LEGEND

Town Boundaries

Water Bodies

Streams

Interstate

State Route

Local

NHESP Certified Vernal Pools

NHESP Potential Vernal Pools

NHESP Priority Habitats of Rare Species

BioMap2 Core Habitat

BioMap2 Critical Natural Landscape

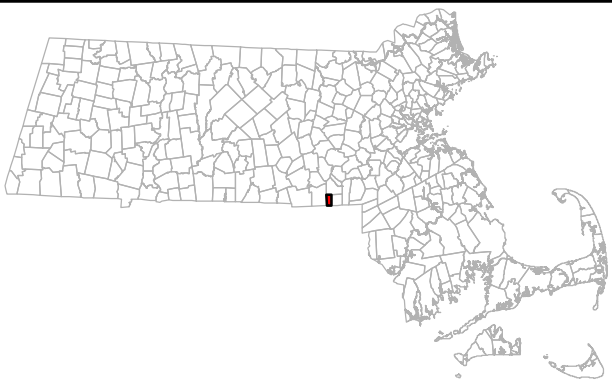
Open Space

DEP Wetlands

Forestland

1 inch = 0.23 miles

NHESP Geodatabase Current as of 3/2018



Source: Data provided by the Town of Millville, Central Massachusetts Regional Planning Commission (CMRPC), MassWildlife's Natural Heritage & Endangered Species Program (NHESP) and the Office of Geographic Information (MassGIS), Commonwealth of Massachusetts, Information Technology Division. Information depicted on this map is for planning purposes only. This information is not adequate for legal boundary definition, regulatory interpretation, or parcel-level analysis. Use caution interpreting positional accuracy.



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