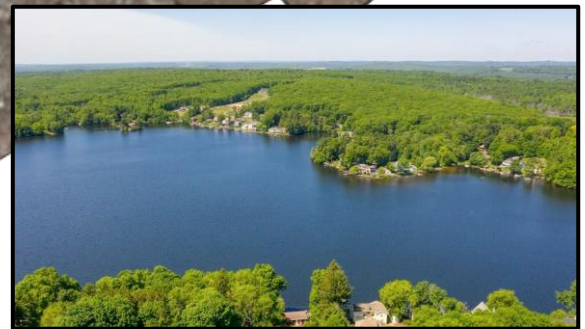




Town of Millbury

2020 Open Space & Recreation Plan Update



**Prepared By:
The Millbury Open Space Committee &
The Millbury Department of Planning and Development**

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Section 1 – Summary

The Town of Millbury's Open Space and Recreation Plan 2020 Update reflects how the Town has changed since it last updated its plan in 2008 in regards to its open space planning and development. This plan identifies, describes and analyzes the many different open space, historic and cultural resources present in Millbury, and devises a strategy for protecting and enhancing them. The plan includes goals, objectives and actions targeting specific features as follows:

- Focus on the Blackstone River and its tributary streams as major components of the town's open space system.
- Promote the redevelopment of brownfield properties and preservation of historic properties through the use of the Adaptive Reuse Overlay Bylaw and Bramanville Village Districts.
- Engage a forester to implement the forest management plan for the Brierly Pond Conservation Area.
- Develop and implement forest management plans for Stowe Meadows Conservation Area and Davidson Sanctuary.
- Develop capital improvement plans and management plans for Millbury's largest parks and playgrounds (Washington Street Park, East Millbury Park, Greenwood Street Park).
- Launch a visioning process and update the Master Plan for Windle Field. Pursue the funding necessary to implement the vision.
- Enthusiastically support and implement efforts aimed at advancing the construction of the full extent of the Blackstone River Bikeway.
- Develop the abandoned railroad right-of-way, linking Millbury Center to the Mass Pike Park 'N Ride facility at Exit 11, into a formal multi-purpose trail. Establish an informal parking lot on the parcel owned by the Conservation Commission that is located on Grafton Road, adjacent to the railroad right-of-way.
- Establish a monthly Farmer's Market to be held on the Upper Common from May through October.
- Approach the new owner of the Cordis Mills about providing an easement over the canal remnant located on their property.
- Complete the remaining phases of the "Armory Village Green Infrastructure Project".

These items represent initiatives that the Town and the Open Space Committee see as critical pieces of the puzzle in moving Millbury's open spaces forward. It is important to protect and enhance these spaces to help preserve Millbury's character for future generations, while also continuing to plan for, evaluate, invest in, and prioritize the positive changes we want to see for our community's open spaces and recreation areas.

Section 2 – Introduction

Statement of Purpose

The primary benefit of producing an Open Space and Recreation Plan is that it provides the opportunity for the town's residents and planners to identify and devise a strategy for protecting key natural, scenic and historic resources and the land that should be utilized for passive and active recreational activities before it is irrevocably lost to residential, commercial or industrial development. The astuteness of doing this is underscored by the fact that communities that experience healthy economic growth often have a diversity of recreation opportunities and natural/cultural areas. Potential employers, residents and visitors often consider the location, quality and quantity of attractive open spaces and recreation facilities when selecting a community in which to locate.

The pace at which Millbury has developed since the Town's last Open Space and Recreation Plan was developed in 2008 generally reflects the strength of the economy. The recession that began in 2008 resulted in a reduction of building permits issued and dwelling units constructed. However, since 2012 Millbury has experienced steady increases in the number of dwelling units created and building permits sought. 2018 saw the second highest number of dwelling units created in the town since 2000. Millbury's status as a commuter and historic mill town underscores the importance of preserving the character that attracted these new residents in the first place, coupled with the need to satisfy the recreation demands of Millbury's growing and aging population.

Unfortunately, only a small portion of Millbury's important landscapes, recreation facilities and historic buildings that are important to the Town's community character are currently protected. Since 2000, Millbury has lost a number of cherished scenic, cultural and ecological resources to development or fire. In 2016, the Moses Dunton House located at 117 Elm Street, erected in 1821, was demolished to make way for a parking lot. In 2017 the Frederick A. Lapham House, a formerly beautiful, large Queen Anne style single-family home located on Burbank Street that was built in 1888, was partially destroyed by fire and subsequently demolished. Another beloved site recognized as a protection priority in the 1998 Open Space and Recreation Plan is the Clearview Country Club, a 118-acre, 9-hole golf course. In December 2005 the Planning Board approved a 61-lot conventional subdivision for the site, which was not built. In 2018, the Town was given the opportunity to purchase the property for \$3.1 million by exercising its right-of-first-refusal option under the Chapter 61 Program. Although close, the petition failed to obtain the minimum number of votes. Eastland Partners is currently developing the property for 71 duplex structures, or 142 dwelling units. Other cherished landscapes, including the McGrath Farm, woods surrounding Shiner Hole and a horse farm located on Colton Road, have been or are in the process of being converted into solar farms.

History of Open Space Planning Activities

Millbury's history of open space and recreation planning dates back fifty-seven years. The 1963 Comprehensive Plan pointed out that while population and demand for outdoor recreation were growing; Millbury's recreation land and facilities fell short of the National Recreation Association's standards. At that time, the town's recreation facilities constituted 1% of its total developed land area while many communities had an average of 15% devoted to open space and recreation. The Plan stated that: "Such a lack not only deprives the town's citizens, it prejudices every aspect of the town's hopes for healthy growth and economic development. ...(A) sound program of recreational development can greatly enhance the general spirit and attractiveness of Millbury, to say nothing of local property values, and will help to draw in the most permanent and desirable kinds of industrial, commercial, and residential construction." Since 1963, the Town has made significant progress towards providing its residents with recreation opportunities and preserving its open space resources.

According to the 1998 Open Space and Recreation Plan, which was an update of the Town's first Open Space and Recreation Plan completed in 1980, the total area of the town's land use devoted to recreation facilities was 7% of the developed area or 283 acres. Permanently protected land for conservation amounted to another 223 acres or 3.2% of the town's undeveloped area. Another 74 acres were protected as part of the town's water supply. When combined, the total land area devoted to recreation and conservation was 580 acres or about 6% of the Town's total land area of 10,432 acres. Still, not all recreation and open space standards were met, and Millbury was behind many communities that protected 15% to 20% of their total land area for their citizens' enjoyment of open space and recreation.

The 2008 Open Space & Recreation Plan Update identified 967 acres of permanently protected open space, including water supply areas, and 318 acres of unprotected recreation land. Combined, these areas constituted 1,285 acres, a dramatic 120% increase over the 1998 figure. In 2008, approximately 12% of Millbury's total land area was devoted to recreation or conservation uses.

With the passage of an additional 12 years, the Town has made additional progress preserving open space and creating recreation opportunities. This has been accomplished through the creation of several Open Space Communities, land donations, and municipal acquisitions. Of particular note, an expansion to the Martha Deering Wildlife Management Area preserved an additional 55 acres of land within the Town. Today, 1,973 acres, or 18% of the total landscape, can now be categorized as open space resources; a 50% increase from the 2008 Plan. Of that, 1,204 acres, or 11% of the Town's total land area, is permanently protected conservation land and 347 acres or 3% is devoted to active recreation facilities.

The Town of Millbury has worked hard to implement the goals, recommendations and actions articulated in the 2008 Open Space & Recreation Plan Update and has enjoyed a number of successes. In 2009, a small group of dedicated folks, which informally recognized themselves as the Friends of Millbury Open Spaces, raised the \$240,000 necessary to acquire two parcels of land totaling 25 acres along Old Common Road, in the priority conservation zone near Mount Ararat.

Recognizing the difficulty of raising this sum in a troubled economy, the group established partnerships with the Metacomet Land Trust, the Millbury Improvement Initiative and Flo-Dell Exterior Renovation to help achieve their goal. Through their hard work and persistence, the group secured more than \$167,000 from the Massachusetts Division of Conservation Services through their LAND Grant Program as well as smaller grants from The Fields Pond Foundation, The Greater Worcester Community Foundation, an anonymous foundation, and the John H. Chafee Blackstone River Valley National Heritage Corridor Commission. An impressive number of area businesses, organizations, and current and former Millbury residents donated to the cause in amounts both large and small. With the purchase price in hand, the Conservation Commission finally acquired the land in March 2010. When combined with existing conservation land and 20 acres that were deeded to the Town as part of the Brierly Pond Village Phase II development, the acquisition yielded a total of 114 acres of permanently protected open space in an area long identified as a preservation priority. A munificent volunteer constructed a gravel parking area and associated stormwater facilities at his own cost shortly after the Town took possession of the land.

The Town enjoyed other preservation successes as well. Building on the excitement generated by the “Saving Mount Ararat” campaign, two individuals donated approximately 29 acres of land, consisting of two separate parcels off Grafton Road and Hastings Road, to the Conservation Commission in January 2011. After several years of little activity on the residential front, the Planning Board approved the Casa Verde Villages Open Space Community, which includes 36 acres of permanently protected open space, a network of trails and a small gravel parking area at the trailhead off of Westview Avenue. Owned by a homeowner’s association, the Conservation Commission holds a conservation restriction on the open space. The town-owned Butler Farm expanded in size when 15 acres of extra land was conveyed by the developer of the solar farm at 29 McGrath Road. Lastly, the developer of Autumn Gate Estates on Grafton Street donated 8.6 acres of ecologically-sensitive land to the Conservation Commission. This land abuts 45 acres of existing conservation land owned by the Metacomet Land Trust.

In 2016, the Massachusetts Department of Fish and Game expanded the boundaries of the Martha Deering Wildlife Management Area by acquiring 2 parcels of land totaling 55.6 acres, more or less. This property was formerly part of the Mangano Estates subdivision - a proposed 50 lot single family development approved by the Planning Board in 2008 that was never built. By preserving this land, an extensive network of trails, forests, wooded wetlands and intermittent streams that feed Cronin Brook have been preserved.

In addition to its open space preservation activities, the Town made progress on several other goals and recommendations from the 2008 Open Space & Recreation Plan. More specifically, these accomplishments included:

- ❖ In 2021, design began on Phase II of the “Armory Village Green Infrastructure Project”. The “Armory Village Green Infrastructure Project- Phase II” is the second chapter of a multi-year, multi-phase project aimed at addressing the stormwater capacity and heat island impacts of climate change, as well as minimizing inputs of non-point source pollutants throughout Millbury’s Center (also known as “Armory Village”) that would

otherwise enter the Blackstone River. The \$2.2 million Phase I project, which is currently under construction, focuses on the intersection of Elm and Main Streets, the Upper and Lower Commons, the portion of South Main Street located approximately 500 linear feet upslope from the Blackstone River, the portion of Elm Street that extends west to Harris Place, and the portion of Main Street that extends north to just beyond the intersection with Church Street. The Phase II project, which benefitted from a FY21 MVP Action Grant focuses on the municipal parking lot located between Elm Street and Grove Street, the adjacent private parking lots that are affiliated with 110 Elm Street and 112 Elm Street, the parking lots' pedestrian and vehicular connections, and Elm Street from its intersection with Harris Place to the bridge over the Worcester/Providence Railroad and Blackstone River. Improvements within Phase I and Phase II include upgraded traffic and pedestrian signals, new street trees, rain gardens and other landscape features, expanded sidewalks that accommodate planting beds and outdoor seating, ornamental energy-efficient street lights, ADA-compliant sidewalks and ramps, pedestrian plazas with interpretive signage, upgraded drainage, water and sewer infrastructure, reconstructed municipal parking lots, and new benches, trash barrels and bike racks. The Town secured 5 grants totaling \$1.428 million to help pay for the design and construction of the \$2.2 million Phase I project. Funders are as follows: Municipal Vulnerabilities Preparedness Action Grant (\$1,000,000), Complete Streets Construction Grant (\$174,000), MA DEP Section 319 Non-Point Source Pollution Grant (\$150,000), Narragansett Bay Estuary Grant (\$75,000), and Green Communities Grant (\$28,000).

- ❖ The Millbury Jr./Sr. High School completed a renovation to the campus' athletic field in 2020. The project replaced outdated facilities with a new track and artificial turf field, artificial softball field, concession building, lighting system, and parking area. This \$5 million renovation also improved drainage within the project area, including porous pavers in the parking area used to help clean stormwater runoff.
- ❖ The town was awarded a PARC in the amount of nearly \$100,000 in 2020 for the replacement of an aging play structure at Woolie World Playground in Washington Street Park. The new structure will be ADA compliant, will include play features for children aged 5-12 of all abilities.
- ❖ The Millbury Conservation Commission hired a forester in 2020 to implement the 2012 Brierly Pond Conservation Area's Forest Management Plan that the town received from a Forest Stewardship Grant. This work will include removing specific trees from the conservation area to improve the overall health of the forest. The lumber harvested from the tree removal will be sold and will provide funds to the Commission for future conservation projects.
- ❖ The Town of Millbury completed a Comprehensive Master Plan in 2019. With a combination of municipal and grant funds, the Town paid \$110,000 to hire a consultant team consisting of BSC Group, Community Circle, Barrett Planning Group, LLC, and Martha Lyon Landscape Architecture to facilitate a comprehensive visioning process, community outreach campaign, and development of the plan and action strategy.

- ❖ The Town is in the process of updating its Zoning Bylaws, Subdivision Rules and Regulations, and Municipal Code to comply with recommendations in the 2019 Master Plan. The Planning Board engaged Barrett Planning Group, LLC to recodify the Zoning Bylaws and assist with creating a new East Millbury Business District for the Route 122 corridor. Meanwhile, the Town engaged Weston & Sampson Engineers to draft changes to the Post-Construction Storm Water Management Bylaw and Subdivision Rules and Regulations to bring them into compliance with the Town's MS4 Permit and Master Plan recommendations.
- ❖ The Department of Public Works, the Board of Health and the Department of Planning & Development provide information on their webpages that educates homeowners about preventing/remedying pollution. The DPW webpage includes information about the ways leaf litter can contaminate wetlands and streams. The Board of Health webpage includes information about the safe disposal of mercury. The Department of Planning & Development features information about the benefits of green infrastructure, how to build a rain garden, how to use a rain barrel for irrigation, and how to install a pervious paver patio or driveway on the Armory Village Green Infrastructure project webpage.
- ❖ In 2019, the Town secured a technical assistance grant from the MA Department of Environmental Protection for the preparation of a watershed-based plan. The Plan was prepared by Geosyntec Consultants, Inc.
- ❖ In spring 2019, the Town was awarded a \$5,600 Urban and Community Forestry Challenge Grant from the Massachusetts Department of Conservation and Recreation. Priority for street tree planting was awarded to municipal properties and private properties in Millbury Center and along major roadways (i.e. North Main Street, South Main Street, Riverlin Street, West Main Street, etc.). This project resulted in planting of ? trees between fall 2019 and fall 2020. .
- ❖ In 2019, bankHometown (formerly Millbury Savings Bank) donated \$24,000 to undertake extensive renovation of two basketball courts at the Washington Street Park.
- ❖ In 2018, the Town secured a \$155,385 State Gap II Grant from the MA Department of Environmental Protection, which was combined with \$16,160 in local funds, to complete the design and construction of a 24.9 kW solar photovoltaic carport at the Sewer Administration building, located at 131 Providence Street, to help offset electricity costs associated with a new, upgraded, energy-efficient heat pump system installed.
- ❖ In 2018, the Town of Millbury was designated as a Complete Streets Community. Through the adoption of a Complete Streets policy, the town is prioritizing the full range of users of the Town's transportation network. The Complete Streets policy can already be seen in action through the Armory Village Revitalization Project, which will make downtown Millbury more pedestrian friendly and accessible through installation of pedestrian plazas, new AAB-compliant sidewalks and ramps, and upgrades to pedestrian and traffic signalization. The Planning Board has also leveraged private funds to fill gaps in the sidewalk network as part as the permitting process. Most recently, multifamily

developments at 9 West Street and 5 Gould Street, and a new daycare facility at 308 Millbury Avenue were required to construct sidewalks along their frontages to fill gaps in the sidewalk network.

- ❖ The Department of Planning & Development secured state grants, private foundation money and donations to improve Woolie World Playground, preserve land as part of the Saving Mount Ararat campaign, and design and construct the Butler Farm Bark Park.
- ❖ The Town secured monies from the developers of the Clear View residential development (\$50,000), Casa Verde Village (\$20,000) and Jessica J. Drive Extension (\$5,000) subdivisions to serve as the match necessary to secure state grants aimed at improving nearby parks.
- ❖ In 2016 the Town was awarded a technical assistance grant from the U.S. Environmental Protection Agency (EPA) through the Narragansett Bay Estuary Program to engage the services of a consultant team to create a comprehensive plan to address non-point source pollution while simultaneously revitalizing Millbury Center through the use of green infrastructures, ADA and other accessibility enhancements, and streetscape improvements.
- ❖ With the gradual dissolution of the Millbury Improvement Initiative, the Director of Planning & Development launched the Millbury Center Beautification Initiative, which aims to improve the appearance of downtown Millbury through inexpensive, easy-to-implement projects. Launched in 2015, the program began with an annual Adopt-A-Pot and Adopt-A-Tree Program. In 2016, a bi-annual Adopt-A-Banner Program was launched. Proceeds from these programs have paid for beautiful displays of flowers within giant pots during the summer and fall, planting of 7 trees, and installation of colorful seasonal banners twice a year. Twelve thousand dollars of the proceeds raised paid for new streetscape furniture installed as part of the Armory Village Revitalization Project (Phase I), and an additional \$5,000 paid for the services of Weston & Sampson Engineering to produce design concepts and assist with grant applications to pay for Phase II of the Armory Village Revitalization Project.
- ❖ In 2013 and 2012, the Town entered into two 20-year Utility Credit Purchase Agreements with a 3 megawatt (MW), ground-mounted solar facility located at 29 McGrath Road in Millbury and a 1 MW, ground-mounted solar facility located on Stafford Street in Leicester, Massachusetts.
- ❖ Upon receipt of a Forest Stewardship Grant in 2012, a forest management plan was completed for the Brierly Pond Conservation Area, including the land acquired as part of the Saving Mount Ararat campaign.
- ❖ In 2012, the Town of Millbury secured Economic Opportunity Designation for the Felter's Mill, located at 22 West Street in the downtown area. Abandoned for more than 15 years and designated as a "half x" due to its unsafe and dilapidated condition, the property was transformed into a thriving mixed-use complex consisting of a café, ice cream parlor, a

hair salon, professional and medical offices, and a variety of other shops and businesses. The industrial significance of the property and the story of its transformation are showcased by an interpretive sign erected in 2015 at the building's entrance and paid for with a grant from the Blackstone River Valley National Heritage Corridor, Inc. Partnership Grant Program.

- ❖ The Energy Advisory Committee, established in 2009 to assist the Town Planner with energy efficiency efforts, held two energy fairs for residents geared towards renewable energy and reducing energy consumption. In 2012, Millbury joined forces with the Town of Sutton on the Solarize Massachusetts Initiative, which ultimately resulted in several dozen solar installations on rooftops throughout both towns.
- ❖ In 2011, the Town of Millbury received its designation as a Green Community. Since then, the town secured five grants totaling \$1,082,150 from the Green Communities Initiative to implement various energy reduction projects including interior and exterior lighting upgrades, building weatherization (insulation and windows), conversion of street and parking lot lights to lower wattage LEDs, improvements to HVAC systems, and the purchase of four electric cars and four electric charging stations. In FY16, the Town achieved its goal of reducing total energy consumption by 20% over the baseline year (2009).
- ❖ In 2010, the Town of Millbury adopted a more comprehensive Aquifer and Watershed Protection Overlay District.
- ❖ In 2009, the Town worked with the Central Massachusetts Regional Planning Commission to update the EOEa buildout analysis. That buildout analysis was updated again in 2019 as part of the Comprehensive Master Plan.
- ❖ The Director of Planning & Development and the Millbury Planning Board consistently encourage all large-scale single and multi-family developments to utilize the 2006 Open Space Community Bylaw versus conventional layouts. Since 2008, the Planning Board approved the Casa Verde Village Open Space Community, which protected 36 acres of open space, and is currently permitting the Clear View Open Space Community, which proposes to protect more than 88 acres of open space.
- ❖ The Town encourages low impact design features in residential, commercial and municipal developments. Projects that feature low impact design features include the Jessica J. Drive Extension Subdivision, Casa Verde Village Subdivision, 16 South Main Street (Fidelity Bank/VFW), 5 Canal Street (Dunkin Donuts), the Armory Village Revitalization Project, the new Shaw School, and the Jr/Sr. High School track/field project.
- ❖ Municipal efforts to advance the Blackstone River Bikeway have been ongoing.

While much progress has been made since completion of the 2008 Open Space and Recreation Plan, the Town was unable to make headway on a few recommendations, largely due to a dearth of funds and staff capacity. Several other recommendations, such as enforcing regulations,

maintaining municipal stormwater facilities, parks, bridges, and dams, and striving to preserve key natural, scenic and cultural resources are continually ongoing.

Planning Process and Public Participation

The Director of Planning & Development began the Open Space and Recreation Plan Update process in 2018 with a series of visioning forums, public participation opportunities, and public forums for the Master Plan and Open Space & Recreation Plan that also helped inform the open space and recreation needs of the community. A committee was created to guide this effort, comprised of residents and representatives of select Town departments, boards, and commissions. The Committee met approximately once a month throughout the process. Committee meetings were televised on Millbury's Cable TV Public Access channel. The Committee assisted with outreach and creating awareness of the opportunities for residents to participate in the community engagement process. They also provided support at the forums and reviewed drafted sections of the master plan, providing feedback and acting as a sounding board for the Consultant team and Town officials.

Developing a Shared Vision for Millbury's Future, Phase I of the planning process, was launched in 2016. The purpose of the first phase of the planning process was to identify the shared values relative to Millbury's future development. Residents were invited to a town-wide public forum to voice their concerns and desires regarding Millbury's future. In addition, a visioning session was held at the Senior Center in an effort to reach the Town's Environmental Justice population. Enhanced outreach was accomplished by posting flyers in key areas within the Environmental Justice (EJ) Area, including the Senior Center, public housing facilities, the public library, Town Hall, and on the municipal signboard. Flyers were also distributed to every household in the Environmental Justice area, encouraging residents to participate. We ended up with relatively high participation rates from our Environmental Justice Area than other areas of town. Millbury high school honors students were also invited to participate in the sessions to ensure a range of age groups were represented. Additionally, local business owners in Millbury received an online survey to complete. And lastly, a website (*MySidewalk*) was set up to collect comments from the public.

Phase II of the planning process focused on public participation and input. The 2018 Master Plan Survey, which included several questions geared towards natural, cultural and historic resources, the Town's recreation programs and facilities, and conservation and recreation priorities, was distributed by mail to all Millbury households and was available via a web link on the Town's municipal website (See Appendix A for results). A series of public forums were held in 2018 to present the survey findings, review the community vision and goals that were developed based on the feedback received, and to solicit additional community input. One of the public forums was held at the Senior Center, located within the Town's Environmental Justice Area, and was aimed to reach residents in the EJ area. Special attention was given to reaching residents within the EJ area by posting notices at the Senior Center, public housing facilities, the public library, Town Hall, and on the municipal signboard, all located in the EJ area.

The second step in this planning process involved reactivating the Open Space Committee, which was originally formed as part of the 1998 Open Space and Recreation Planning process and subsequently reactivated in 2007 for the 2008 Open Space and Recreation Plan Update. Upon suggestion of the Director of Planning & Development, the Board of Selectmen activated and appointed five members to the Committee. Representatives of the Conservation Commission, Planning Board, and Historical Commission were specifically recruited to serve on the Committee due to their knowledge of open space and recreation issues and ability to enact change. The Open Space Committee is comprised of the following Town officials and concerned citizens:

Laurie Connors, Director of Planning & Development
Conor McCormack, Assistant Planner
Bruce Devault, Planning Board, Trails Committee
Ronald Stead, Conservation Commission
Bruce Nichols, Historical Commission
Michael Kennedy, Commission on Disability
Ray Kelley, Unaffiliated Resident

The Assistant Planner, Conor McCormack, coordinated Open Space Committee activities with the assistance of Laurie Connors, Director of Planning & Development. Ms. Connors, Mr. McCormack, and Planning Intern Emma Snellings authored the plan.

A draft version of Millbury Open Space and Recreation Plan was submitted to the Department of Conservation Services (DCS) in June 2020 as part of the Town's 2020 application for the PARC Grant. The Department of Planning and Development received a conditional letter of approval on December 17, 2020 from DCS. The Open Space Committee subsequently began meeting to review the comments, provide feedback on the plan as a whole, and hold public meetings where the public had the opportunity to provide input.

Between February 2021 and May 2021, the Open Space Committee held 4 public meetings to discuss and review different sections of the Open Space and Recreation Plan Update. See Appendix A for Open Space Committee meeting minutes. These meetings were held via Zoom due to the Covid-19 pandemic. The Committee provided feedback and comments on the OSRP, with the Planning Staff making the discussed changes. The Committee finalized and approved the OSRP at their May 13, 2021 meeting. Planning Department staff submitted the OSRP to DSC in June 2021 for final approval.

Section 3 – Community Setting

Regional Context

Encompassing a geographic area of 15.84 square miles, Millbury is bordered by Worcester to the north, Grafton to the east, Oxford and Auburn to the west, and Sutton to the south (See Appendix B, Regional Context Map). The community is located in central Massachusetts at the crossroads of the Massachusetts Turnpike and Routes 20, 122 and 146. It is 43 miles west of Boston and 37 miles north of Providence, Rhode Island. The Blackstone River flows through the center of town on its route from Worcester through Rhode Island to the Narraganset Bay.

The Worcester Regional Transit Authority (WRTA) provides bus service seven days a week between the Shoppes of Blackstone Valley and Union Station in Worcester via downtown Millbury. The WRTA provides curb-to-curb paratransit service for seniors and people with disabilities in conformance with Americans with Disabilities Act (ADA) between 8:00 AM and 4:30 PM. In addition, during regular schedules, the Millbury Council on Aging runs five vehicles that provide approximately 18,000 one-way rides for elderly residents from Millbury and handicapped residents from Auburn, Grafton, Millbury, Sutton, and Worcester. The service was recently expanded through Towns Without Borders to Whitinsville, Northbridge and Shrewsbury. Through this service, transportation to work, medical appointments, shopping, and other locations is available. While services have changed during the ongoing COVID-19 pandemic, it is expected that they will return to regular levels of service in the near future.

Millbury's closest airport is located in the abutting City of Worcester. The Worcester Regional Airport is operated by the Massachusetts Port Authority and includes a \$15.7 million passenger terminal and over \$31 million worth of airside improvements such as lighting systems, navigational aids and a new control tower. Delta, American Airlines, JetBlue Airlines and Rectrix operate out of the airport. In 2015, JetBlue carried 119,000 passengers between Worcester Regional Airport and its two destinations. The next closest airports are Logan Airport in Boston (50 miles) and T.F. Green Airport in Providence (40 miles). While services have changed during the ongoing COVID-19 pandemic, it is expected that they will return to regular levels of service in the near future.

Millbury's location at the junction of three major regional roadways makes it an attractive area for residential, commercial and industrial growth. As part of the greater Worcester area, the growth of Millbury and Worcester are interdependent and linked to the economies of other surrounding towns as well as to those of the Boston and Providence Metropolitan Areas. Grafton and Auburn have experienced considerable suburban growth over the last twenty years, while Millbury experienced more moderate growth. Northern Millbury, southern Worcester, and northwestern Grafton have a concentration of commercial and industrial land uses that generate considerable traffic. Sections of Route 20 along the northern border of Millbury have haphazard strip commercial, industrial, and highway-related development. The section of Auburn adjacent to Millbury, southwestern Grafton, and Sutton are largely rural and residential in character.

Grafton, Auburn, and Sutton all have open land with varying degrees of protection on their borders with Millbury, which offer opportunities for open space connections.

The Blackstone River bisects Millbury from north to south. Flowing 46 miles from Worcester, through Millbury, to Providence, it has been recognized for the great effect harnessing of its water power had on the American Industrial Revolution. The river was also an early defining influence as a transportation corridor. As industrial waste contaminated the river in the 19th and 20th centuries, Millbury turned away from the Blackstone River. As cleanup efforts and regulatory protections gradually restored the river, the Blackstone Valley developed a new vitality.

In 1988 an act of Congress established the Blackstone River Valley National Heritage Corridor in Massachusetts and Rhode Island. The goal of the National Heritage Corridor is to protect the valley's historic, cultural and natural resources. The National Heritage Corridor is now managed by Blackstone Corridor Inc. The Heritage Corridor opened a new Visitor's Center in Worcester in 2018, which welcomes visitors into the Heritage Corridor. The Blackstone River Bikeway, which runs through Millbury, ends at the visitor's center. A new national park, the Blackstone River Valley National Historical Park, now exists in the area.

Millbury has a growing opportunity to take advantage of the river and its industrial past to promote the community and attract new economic opportunities. The Town's central location and easy access to major interstate transportation corridors, the commercial opportunities represented by the Shoppes of Blackstone Valley and a revitalized downtown, and the Blackstone River Bikeway are potentially as important for Millbury's future as the mills were for its past.

History

The Nipmuck tribe of Native Americans frequented the area we now call Millbury. They used soapstone from a site on the southwestern shore of Lake Singletary to manufacture artifacts and stone tools. Spearheads, mortars and bowls have been found in the vicinity of Ramshorn Pond and Bramanville. King Philip's War (1675-1676) resulted in the decimation of the local Native American population and paved the way for new settlers.

Settlement by European colonists began in 1704 when a group from Boston bought an 8-mile-square plantation from the Native Americans to form the Town of Sutton. This tract of land eventually included parts of Sutton, Millbury, and Auburn. Farmsteads and hilltop villages like Old Common were settled. By the 1740s, two parishes had been established in what was then called Sutton. Traveling the four miles to town meetings from Old Common in the North Parish to Sutton Center in the South Parish was difficult and inconvenient, especially in winter, so the 500 residents of the North Parish won their petition for separation and became the Town of Millbury in 1813.



Cordis Mills

By the late 1700s waterpower from the Blackstone River and its tributaries, Dorothy and Singletary Brooks, provided energy and played a major role in reshaping Millbury's development. Many people left their agricultural lifestyles for the opportunities of a growing industrial society. Mills and mill villages, like Armory Village, Singletary Village, Burbankville (Bramanville), Buck's Village, and West Village, were built along these waterways. The first paper mill in the county was established on Singletary Brook in 1770. Millbury factories produced bayonets and arms for the



Blackstone River Bikeway

Continental Army, household pins, wire, felt, leather, shoes, cotton, wool, and linen. When the Blackstone Canal, with its nine locks in Millbury, opened between Worcester and Providence in 1828, factory production nearly doubled. By 1830 more than 1,000 new workers settled in Millbury and the population grew from 500 in 1813 to more than 3,000 people. When the Canal closed in 1848, the Providence and Worcester Railroad filled the transportation gap upon its completion in 1850. By 1870 Millbury was a thriving community of many mills making a wide variety of different products. The manufacture of cotton textiles reached its zenith in the early 1900's. Waves of immigrants attracted by jobs offered in the mills of the Blackstone Valley helped form some of the rich ethnic diversity of Millbury and surrounding communities. French-Canadians, Irish, Polish, and other ethnic groups staffed the many mills of Millbury.

During the Great Depression of the 1930's, the mills suffered along with most businesses. World War II provided a surge in the valley's production, however the 1940's witnessed labor unrest and a move toward union activity, which eventually ushered in the decline of Millbury's mills by the 1950's.



Cesyl Mill

The remainder of the 20th century was characterized by diversification of the local economy and movement away from mill enterprises. This was enabled by the Town's excellent transportation network, which consists of Route 146, the major artery linking Worcester to Providence, and the Massachusetts Turnpike, which, opened in 1957, spans more than 135 miles from the New York border to Boston. The Turnpike is Massachusetts' portion of Interstate 90, the transcontinental highway that terminates in Seattle, Washington. Excellent highway access made possible the successful

construction and occupation of the Millbury Industrial Park, the Shoppes of Blackstone Valley and numerous other businesses concentrated along the Route 146 corridor or clustered near the various highway interchanges.

Today, many of the old mill buildings are only partially utilized. Industrial production practices have changed, causing the multi-level historic mill buildings to fall out of favor. To maximize efficiency, many large-scale, industrial enterprises prefer one-story buildings that enable the various stages of production to occur in close proximity to each other. But a variety of new businesses are taking advantage of the space offered by the historic mill buildings and the Town's relatively low taxes, including small-scale manufacturers, offices, retail establishments, fitness centers, and food establishments. In 2004, renovation of the Cordis Mill was completed, which transformed the building from a woolen mill into 112 apartments and commercial spaces. The Felter's Mill at 22 West Street is another fantastic example of a successful mill revitalization project. Abandoned for 20 years, the property was sold at auction to brothers who transformed it from a dilapidated shell into a thriving mixed-use commercial center featuring a café, ice cream parlor, medical and professional offices, a fitness center, a hair salon, and various other retail businesses. The Mayo Woolen Mill, also known as Steelcraft Factory, is large mill building in the heart of Bramanville. The owner of the mill building recently received Planning Board approval to transform the building into a multi-use building with 180 residential units. This project will help preserve a key historical building in Bramanville Village, providing increased housing that part of town and commercial opportunities.



Felter's Mill – Before and after renovations

Notable Assets, Adaptive Reuse, and Cultural Resources at Risk in Millbury

In addition to its historic mill buildings, Millbury has many intact historic structures and features worthy of note, including:

- The Dwinnell, County Bridge and West Millbury Cemeteries – Established in the 1700s, these three cemeteries provide the final resting place for many of Millbury's esteemed residents.
- Grass Hill School, 1861-1968 – A former schoolhouse currently being restored by the Millbury Historical Society for interpretive educational and community use.
- Bramanville First Congregational Church, 148 W. Main St. – This church was originally built on Old Common in 1803 and moved to its current location.

- The Old Common Village, 1740-1850 – An architecturally intact settlement village surrounding a manicured common.
- Asa Waters Mansion, 123 Elm Street – A stunning Georgian Colonial-style mansion built by the prosperous Waters Armory owner, Asa Waters II, between 1826 and 1829. By 1994, the structure fell into disrepair and was in danger of demolition. The Town of Millbury purchased the property and the Friends of the Asa Waters Mansion preservation society lovingly restored it largely relying on funds raised through an aggressive fundraising campaign. The mansion is now used as a special events venue and serves as the Millbury Historical Museum.
- Senior Center, 1 River Street – A former rail station converted for use as the Millbury Senior Center.

Some resources or features may be at risk of being lost due to demolition, inappropriate alteration, neglect, decay, site redevelopment, or environmental threats. Another risk is nearby development which is out of character and inconsistent with the overall sense of place. Based on available information, some of the cultural resources at risk in Millbury are listed below. This is not a comprehensive list.

- Worker housing structures throughout town
- Agricultural landscapes in West Millbury

State-Inventoried Cultural Resources

The Massachusetts Historical Commission (MHC) Massachusetts Cultural Resource Information System (MACRIS) database lists over 500 inventoried cultural resources in Millbury, including residences, churches, worker housing, mills, civic and office buildings, schools, cemeteries, dams, waterways, and bridges situated throughout the town dating from the early 1700s (See Appendix B, Unique Features Map). Millbury’s many historic residential structures include examples of multi-family mill housing structures as well as ornate dwellings from the Georgian era (1714 to 1830) and the Victorian era (1837 to 1901).

Many factory buildings still exist throughout Millbury today. While some are abandoned and in poor condition, others have been restored to accommodate residential or commercial uses, e.g., Cordis Mills and Felter’s Mills, respectively. Several provide space for contemporary industrial uses, e.g. the Steelcraft facility at 115 West Main Street in Bramanville, formerly the Lapham Woolen Mill. Others are in fair to poor condition but have been roughly divided into low-rent spaces used by artists, antique stores or entrepreneurs as “incubator” space. Examples are the former Whitney-MacDuff Thread Mill at 175 West Main Street and the H.W. Hakes Manufacturing Mill on River Street.

State-Inventoried Historic Districts

The MACRIS database identifies 21 State-Inventoried Historic Districts in Millbury, one of which is also listed in the National Register of Historic Places (referred to herein as the National Register), as noted in the following table.

Table 1 - State-Inventoried Historic Districts

Inventory #	District Name	General Location	Characterization/ Period of Significance
MLB.A	Old Common	West Millbury	Residential Village 1740-1850
MLB.B	Grass Hill	West Millbury	Residential Village 1800-1850
MLB.C	Taintor - Stowe Farm	West Millbury	Agricultural 1750-Present
MLB.D	West Millbury	West Millbury	Residential Village 19 th Century
MLB.E	Bramanville	South Millbury	Mill Village, 1825-1900
MLB.F	Wheelerville - Singletary Village	South Millbury	Mill Village, 1840-1880
MLB.G	North Greenwood - Border Area	North Millbury	Residential Village, early 20 th Century
MLB.H	Main and Elm Streets Area	Central Millbury	Commercial and Institutional Core, 19 th Century
MLB.I	Canal Street Area	Central Millbury	Residential, 19 th Century
MLB.J	Miles - North Main Street Area	Central Millbury	Residential, 19 th Century
MLB.K	Prospect Street Area	Central Millbury	Residential, 1875-1935
MLB.L	Maple Street Area	Central Millbury	Residential, 1830-1870
MLB.M	South Main Street Area	Central Millbury	Residential, 1820-1880
MLB.N	Hakes, H. W. Manufacturing Company	Central Millbury	Industrial Manufacturing, 1895+
MLB.O	New England High Carbon Wire Company	Central Millbury	Industrial Commercial Mixed Use, 1921-1950s
MLB.P	Bucks Village	Central/East Millbury	Residential/Industrial, 19 th Century 4 th Quarter
MLB.Q	East Millbury	East Millbury	Residential, 1875-1935
MLB.R	North Main Street, North Area	North Millbury	Commercial Residential, Early to Mid-20 th Century
MLB.S	North Main Street, South Area	North Millbury	Residential Commercial, Late 18 th to Mid-20 th
MLB.T	Greenwood Street Area	North Millbury	Agricultural Residential, Mid-19 th to Early 20 th

Inventory #	District Name	General Location	Characterization/ Period of Significance
MLB.U	Blackstone Canal Historic District and National Register District	South, Central and North Millbury	Transportation Commerce Agriculture Domestic Landscape, 1925-1949, 1900-1924, 1875-1899, 1850-1874, 1825-1849

Preservation Restrictions

A Preservation Restriction (M.G.L. c. 184 § 31-33) protects historic and archaeological properties from changes that may be inappropriate by restricting present and future owners from altering a specified portion of that building, structure, or site. The restriction can run for a few years or in perpetuity and may be part of the property deed. MHC's Director of the Preservation Planning Division has responsibility for managing all aspects of MHC's approval process under M.G.L. Chapter 184, sections 31-33.¹ The following two Millbury properties have Preservation Restrictions:

- Asa Waters Mansion, 123 Elm Street
- The Millbury Public Library, 128 Elm Street

Preservation restrictions can be donated or purchased by a government body or private preservation organization and are enforced by the holder of the restriction.

National Register of Historic Places Districts and Properties

The National Parks Service (NPS) administers the National Register program. There is one National Register-listed district and three National Register-listed properties in Millbury:

- Blackstone River Canal District (1828)
- Asa Waters Mansion, 123 Elm Street (1826)
- First Presbyterian Society Meeting House (1828) (now Millbury Federated Church), 20 N. Main Street
- U.S. Post Office – Millbury Main, 119 Elm Street (1940)

According to the NPS website, National Register designation provides formal recognition of a property's historical, architectural, or archeological significance based on national standards used by every state. It may also provide opportunities for preservation incentives, such as federal or state grants and tax credits for planning and rehabilitation. The nomination process for listing a property is undertaken through the State Historic Preservation Office (SHPO) at the MHC.²

¹ *Massachusetts State Historic Preservation Plan 2018-2022*, July 26, 2018, p. 2-9

² <https://www.nps.gov/subjects/nationalregister/how-to-list-a-property.htm>

Under Federal Law, the listing of a property in the National Register does not restrict what a non-federal owner may do with property up to and including destruction, unless the property is involved in a project that receives Federal assistance, usually funding or licensing/permitting.

Agricultural Preservation Restriction (APR)

The APR Program helps to preserve and protect agricultural land to keep valuable farmland soil from being built on by development companies for non-agricultural purposes that could be detrimental to the environment. 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.

It is a voluntary program which offers a non-development alternative to farmers who are faced with a decision regarding future use of their farms. 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.³

The majority of Pearson's Farm, now called Elmhurst Dairy Farms, LLC, is under the APR program. The farm, in the Grass Hill area, is one of the oldest working farms in Millbury. Most of the property lies west and south of West Main Street, while the main farmhouse, retail operation and a barn are located on the east side of the street. The total acreage of the farm is 293 acres, of which 250 are in the APR program. The property is about half forested, half open.⁴

Population Characteristics

Population growth and density have important implications for open space and recreation planning. With increasing population size and density, Millbury should strive to meet the recreation needs of its swelling population. Millbury planners should also identify and preserve the key natural and cultural resources that Millbury residents cherish before they are irrevocably lost to future residential, commercial, and industrial development.

According to the American Community Survey's 2015-2019 5-year estimate, Millbury was home to 13,732 people in 2019. Table 2 presents Millbury's population growth over the past 80 years, as well as the Town's projected population for the years 2020 and 2030. The table documents that Millbury experienced significant population growth in the years leading up to the Great Depression, and also during the 1960's. After a slight decrease in population during the 1970's, Millbury's population moderately increased during the ensuing thirty-year period. While housing development was slow between 2010 and 2013, it has since regained its prior speed. Since 2010, eight large residential developments have either started or completed construction, ultimately yielding 356 new dwelling units. According to the Central Massachusetts Regional

³ <https://www.mass.gov/service-details/agricultural-preservation-restriction-apr-program-details>

⁴ *Millbury Reconnaissance Report, Blackstone Valley / Quinebaug-Shetucket Landscape Inventory*, Massachusetts Heritage Landscape Inventory Program, DCR et. al., p. 13.

Planning Commission's (CMRPC) population forecast, Millbury will experience slightly higher population growth between 2018 and 2030 (9.2%).

Table 2 - Millbury Population Growth (1920 – 2030)

Year	Number of People	Numerical Change	Percent Change
1920	5,653	-----	-----
1930	6,957	1,304	23.1%
1940	6,983	26	.4%
1950	8,347	1,364	19.5%
1960	9,623	1,276	15.3%
1970	11,987	2,364	24.6%
1980	11,808	(179)	-1.5%
1990	12,228	420	3.6%
2000	12,784	556	4.6%
2010	13,261	477	3.7%
2019 ACS	13,732	471	3.6%
2020 Projection*	14,020	390	2.1%
2030 Projection*	14,880	860	6.1%

Sources: US Census Bureau; *Forecasts provided by CMRPC

The pace of population growth in Millbury during the last 19 years is significantly less than two of its neighboring communities. Grafton saw an increase in population of a staggering 25%, whereas Sutton's population growth was a more moderate 14%. Comparatively, Millbury grew by a mere 7% within the same timeframe, which kept with population growth in the neighboring communities of Worcester (8%), Auburn (5%), and Oxford (4%) (see Table 3). Regional growth is primarily due to persons migrating from the Greater Boston area, where housing costs are significantly higher. It is expected that the region's population growth, as a whole, will continue to grow at a moderate pace during the next 12 years.

Table 3 - Neighboring Communities Population Growth (2000 – 2030)

Community	2000 Population	2010 Population	2019 Population	Population Change 2000- 2019	2020 Population Projection*	2030 Population Projection*
Auburn	15,901 6% increase	16,188 2% increase	16,684 3% increase	5% increase	16,780 1% increase	17,620 6% increase
Grafton	14,894 14% increase	17,765 19% increase	18,743 6% increase	25% increase	19,260 3% increase	20,970 9% increase
Millbury	12,784 5% increase	13,261 4% increase	13,732 4% increase	7% increase	14,020 1% increase	14,880 6% increase

Oxford	13,352 6% increase	13,709 3% increase	13,974 2% increase	4% increase	14,400 3% increase	14,760 3% increase
Sutton	8,250 21% increase	8,963 9% increase	9,444 5% increase	14% increase	9,470 1% increase	10,040 6% increase
Worcester	172,648 2% increase	181,045 5% increase	185,143 3% increase	8% increase	189,040 2% increase	198,660 5% increase
CMRPC Region	518,480 8% increase	556,698 7% increase	567,805 (2016) 2% increase	9% increase	586,000 3% increase	620,000 6% increase

Sources: US Census Bureau; *Forecasts provided by CMRPC

Age

Age is an important factor in determining open space and recreation needs. According to the American Community Survey, in 2019 the median age in Millbury was 44.9 years. This is a dramatic increase over the 1990 figure when the median age in Millbury was only 34.5 years. Millbury's median age is slightly higher than that of Worcester County where the median age was 39.1 years. The following table compares the number of Millbury residents within various age groups in 2000, 2010 and 2019. The breakdown indicates that Millbury's population, like that of the Worcester County as a whole, is aging. In 2010, Millbury's median age was 42 years compared to the Worcester County median age of 39.2 years.

Different age groups make different demands that impact the open space and recreation needs of a community. For example, senior citizens (those over 65 years of age) typically require access to transportation and delivery services, health services and social activities. Elderly individuals may desire recreational facilities such as a senior center, community gardens, walking paths, and fishing areas that are relatively close to home. Yet members of this age group typically rely on smaller, fixed incomes that limit their ability to afford property tax increases. In 2019, 2,435 people, or 17.7% of the total population, were considered senior citizens. This represents a 18.8% increase over the number of senior citizens living in Millbury in 2000. However, the percentage of the overall Millbury population aged 65 or older has only slightly increased during the last 19 years.

Table 4 - Millbury Population by Age (2000 – 2019)

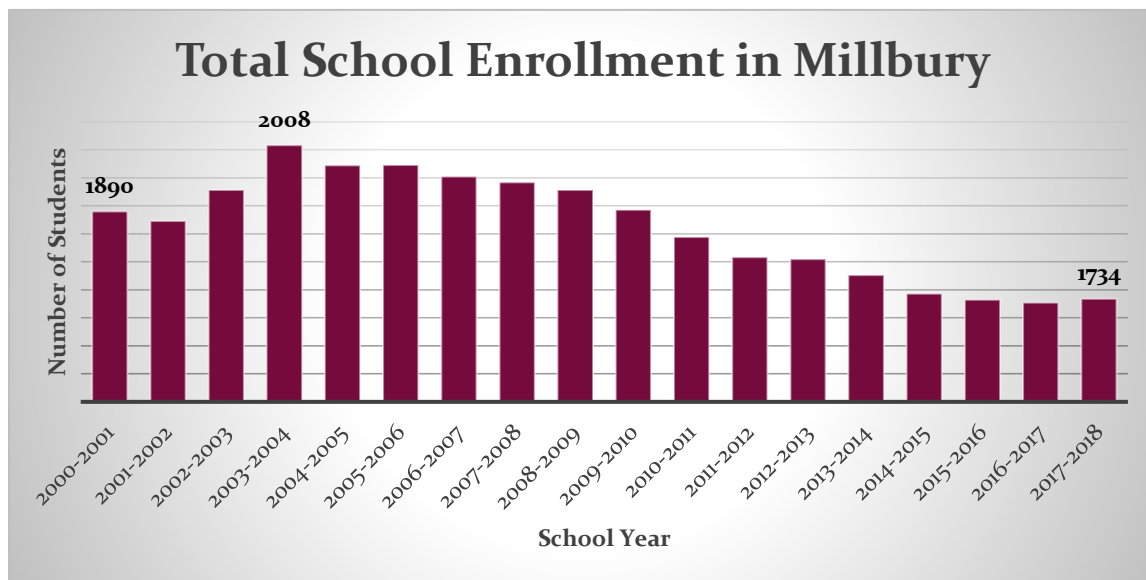
Age	2000	2010	2019	Percent Change 2000-2019
0 - 19 years old	3,210 or 25.1%	3,100 or 23.4%	2,931 or 21.5%	-8.7%
20 - 44 years old	4,535 or 35.5%	4,175 or 31.5%	4,213 or 31.0%	-7.1%
45 - 64 years old	2,990 or 23.4%	3,917 or 29.5%	4,198 or 30.8%	40.4%

65 + years old	2,049 or 16.0%	2,069 or 15.6%	2,435 or 17.7%	18.8%
TOTAL	12,784	13,261	13,732	6.6%

Sources: US Census Bureau, ACS 2018

Another group that significantly impacts community planning is children. The size of the school age population determines how much money a town must allocate to education, easily the largest proportion of a small community's budget. A significant increase in the number of school age children can lead to economic strain, school over-crowding, and may require a change of focus for open space and recreation planning. While adults may be satisfied with more passive recreational activities, youth often demand more extensive and expensive facilities and recreational programming including a youth center, playgrounds, skateboard parks, swimming areas, running tracks, tennis courts, playing fields, summer camps, and sports programs.

Figure 1 - Total School Enrollment (2000/2001 – 2017/2018 School Year)



Source: Massachusetts Department of Elementary and Secondary Education

The American Community Survey reported that 2,758 Millbury residents (20.1% of the total population) were age 18 or younger in 2019. This represents a slightly decreased number to number of children who lived in Millbury in 2000. Similar to the senior population, the percentage of the overall Millbury population age 18 or younger has varied slightly during the last 18 years. It is important to note, however, that the number of children enrolled in Millbury's schools is decreasing. The Massachusetts Department of Elementary and Secondary Education and the Blackstone Valley Vocational Regional School reported that 1,700 children attended the Millbury Public Schools and 85 children attending the Blackstone Valley Vocational Regional School during the 2018/2019 school year. Enrollment in the Millbury Public Schools has been declining since its peak of 2,008 students during the 2003/2004 school year, representing a 15.3% enrollment decline over the past 15 years. To help offset the decline at the high school level, Millbury opened 7 seats in the high school to school choice students for the 2018/2019 school year.

Interestingly, despite the decline in school enrollment, a commiserate reduction in costs has not been realized largely owing to the schools' commitment to smaller class sizes, meeting technology needs, and the rising costs of employee health insurance and other benefits.

Just over thirty percent of Millbury's 2019 population was between 45 and 65 years of age. This represents a staggering 40% increase over the number of adults within this age group living in Millbury in 2000 when the percentage of the overall population aged 45 to 64 years old was just 23.4%. This age group is important to community planning because its members are typically employed, at the top of the pay scale, have greater equity, and may be empty nesters. They are typically the community leaders and are in a better position to afford property tax increases than other age groups.

Density

Population density is another important factor when considering open space and recreation needs. Neighborhood parks, playgrounds and playing fields are more in demand in densely developed areas, while residents of sparsely developed areas are more likely to be content with more expansive recreational pursuits such as hiking, boating, picnicking, and the peaceful contemplation of nature.

From the perspective of population density, Millbury has two faces – urban and rural. According to a CMRPC study in 2016, East Millbury's population density was 1,172 people per square mile, a figure more than double the density of the more rural West Millbury at 526 people per square mile. In 2016, Millbury's average density was 823.9 people per square mile. By contrast, the Worcester County had a population density of 583 people per square mile.

Workforce and Employment

Millbury's residents are employed in a wide array of job sectors. The Massachusetts Executive Office of Labor and Workforce Development identified a 2019 civilian labor force of 8,394 with an employed population of 8,161 and an unemployment rate of 2.8%. Their predominant occupations were management, business, science and arts occupations (34%), sales and office occupations (26%), service occupations (17%), and production, transportation and material moving occupations (15%), and natural resources, construction and maintenance occupations (9%). The occupations held by Millbury residents have important open space and recreation implications in that a predominance of higher paying occupations indicate that residents have a greater ability to afford to protect open spaces and create/maintain recreation facilities. Of the industries listed, manufacturers, finance and insurance companies tend to pay well, while retailers and food service providers pay little, on average.

Commercial and industrial activity is important to a town since income derived from these sources shifts the burden of costly public services away from residential development. Cost of Community Services Studies of 13 Massachusetts communities conducted throughout the 1990's and 2000's by the American Farmland Trust consistently showed that while residential development is a net drain on municipal coffers, commercial development, industrial

development and farms/forests constitute a net gain for municipal coffers. This means that residential development consumes more money in municipal services than it contributes, while commercial development, industrial development and farms/forests contribute more money in taxes than they consume in services.

In 2018, the Executive Office of Labor and Workforce Development identified 404 commercial, industrial and institutional establishments in Millbury that employed 5,293 workers. Between 2012 and 2018, the Town experienced a 12% increase in the total number of businesses operating in Millbury, however the total number of workers employed by those businesses decreased by 1%. This shows slower growth than between 2001 to 2012, when the Town experienced a 40% increase in the total number of businesses operating in Millbury and the total number of workers employed by those businesses increased by 38%. This large increase between 2001 and 2012 is attributable to the opening of the Shoppes of Blackstone Valley in 2005. Since 2012, there has not been a comparable jump in business openings. The Central Massachusetts Regional Planning Commission projects that Millbury's economy will continue to expand, with jobs located in Millbury growing at a pace 10.5% between 2020 and 2030, and 1.4% between 2030 and 2040.

With the completion of the 820,000 square foot Shoppes of Blackstone Valley in 2005, it is no surprise that Millbury's 71 retailers and 35 accommodation and food service providers dominate the local economy by employing the largest number of people (1,512 and 613 people in 2018, respectively). In 2018, Millbury's other major employers included 77 health care and social assistance companies employing 501 people, 25 manufacturers employing 433 people, and 43 construction companies employing 386 people. This compares to Millbury's other major employers in 2012, which were 28 manufacturers employing 592 people, 37 construction companies employing 476 people, and 12 health care and social assistance companies employing 322 people.

The shift in the local economy towards retail, accommodation and food service establishments is important in that Millbury is becoming a destination for those living and working throughout the region. While this means that Millbury's open spaces are being converted to urban development at an ever-increasing rate, it also means that Millbury can use its new-found reputation as a destination to leverage support from businesses for open space protection and the creation of additional recreation facilities to serve its growing population. For example, through the definitive subdivision and site plan review processes, the Planning Board can require developers to construct new recreation facilities, such as multi-purpose trails, or improve and expand existing facilities at no cost to the Town as a condition of approval. Moreover, businesses, like landscapers, construction companies, banks, retailers, and industries, may be willing to donate landscaping and contracting services, sponsor recreation programming and donate recreation equipment as a marketing tool or part of a good neighbor policy.

According to the Executive Office of Labor and Workforce Development, Millbury's unemployment rate was 2.8% in 2019, which was slightly less than the statewide unemployment rate of 2.9%. Since 2010, both Millbury's and the state's unemployment rate have trended downward as the economy gradually recovered from the Great Recession that plagued the

country beginning in 2007. Since 2010, Millbury's unemployment rate is typically slightly lower than the state's average (See Table 5).

Table 5 - Annual Labor Force and Unemployment Data (Annual Average 2007 – 2019)

Year	Millbury Labor Force	Millbury Unemployment Rate*	Statewide Unemployment Rate*
2007	7,549	4.5%	4.2%
2008	7,479	5.5%	5.4%
2009	7,532	8.9%	8.3%
2010	7,738	8.1%	8.3%
2011	7,725	7.2%	7.3%
2012	7,715	6.5%	6.7%
2013	7,765	6.3%	6.7%
2014	7,915	5.8%	5.7%
2015	7,906	4.7%	4.8%
2016	7,949	3.7%	3.9%
2017	8,037	3.6%	3.7%
2018	8,358	3.3%	3.4%
2019	8,394	2.8%	2.9%

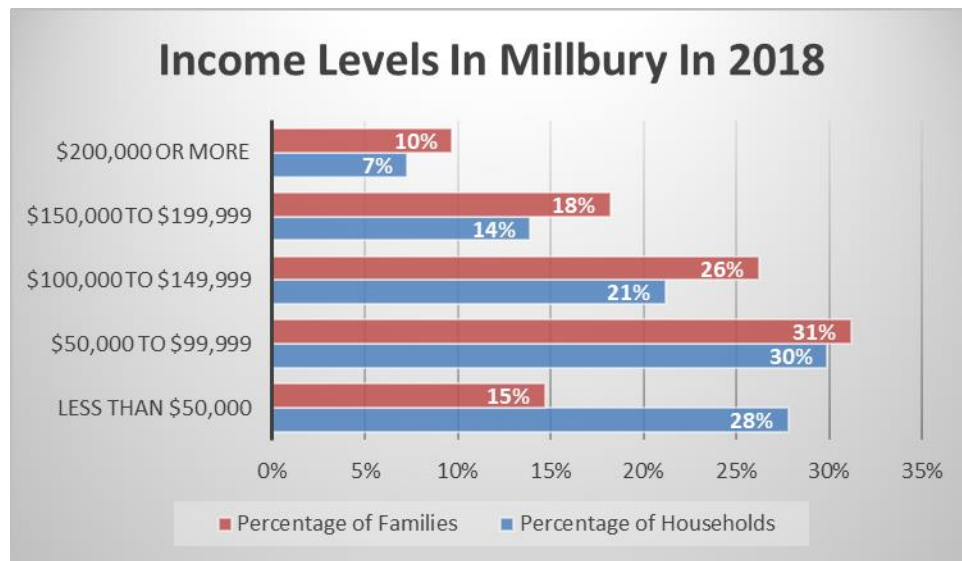
Source: Massachusetts Executive Office of Labor and Workforce Development

*Not Seasonally Adjusted

The 2015-2019 American Community Survey 5 Year Estimates data show that the median household income for Millbury was \$85,781 in 2019 inflation-adjusted dollars, a 27.2% increase over the 2010 median household income of \$67,448. Meanwhile, Millbury's median family income was \$104,821, a 28.3% increase over the 2010 median family income of \$81,702. Millbury's income levels tend to be higher than that of Worcester County. According to the American Community Survey, the median household income for Worcester County in 2019 inflation-adjusted dollars was \$74,679 or 12.9% less than Millbury's median household income. The median family income for Worcester County was \$96,393, representing a 21.8% increase over the 2010 Worcester County median family income, which was \$79,121. While Millbury is not necessarily an affluent community, both the median household and median family income are increasing at a rate that is keeping pace with the region as a whole and is showing evidence of increasing prosperity.

Figure 2 below more clearly shows the differences between household and family income levels in Millbury in 2018. It is not surprising that household and family income levels vary significantly given householder ages, the presence of multiple wage earners and the presence of children. As one can see, families tend to earn more, on average, than single persons. 28% of households earn less than \$50,000 a year, whereas only 15% of families earn that little.

Figure 2 - Income Levels in Millbury (2018)



Source: US Census Bureau, 2014-2018 American Community Survey 5-Year Estimates

2.3% of Millbury's 3,593 families lived below the poverty line in 2019. This is an increase from the ACS 2006-2010 statistic for 2010, when 1.9% of families lived below the poverty line. 5.4% of families with related children under 5 years old lived below the poverty line. Families headed by female householders have the greatest likelihood of being poor- 14.8% of single mothers having related children under 18 years old lived below the poverty line in 2019. 191 households received supplemental security income and 428, or 8.1% of all households, received food stamps or SNAP benefits at some point during 2018.

Millbury officials should be mindful of resident income levels when trying to obtain funds for preserving open space resources and developing and maintaining the town's active and passive recreation facilities. Millbury's elderly residents are, on average, not affluent and live on fixed incomes. This means that for the 17.7% of Millbury residents that are elderly, more taxes of any kind may be a heavy burden. On the other hand, Millbury has a young adult and middle age group that may be in a financial position to afford the tax increases necessary to support additional recreational facilities.

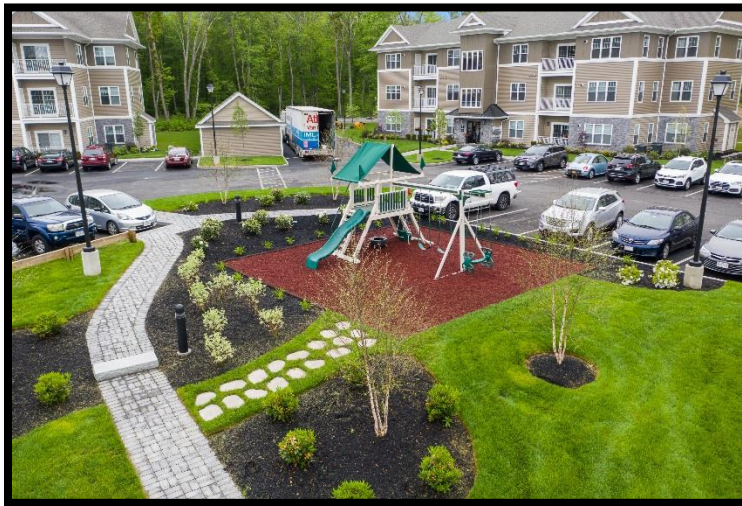
Environmental Justice Population

As of the 2010 United State Census, Millbury is home to an Income Environmental Justice Block Group. This Income Environmental Justice area is located primarily in Downtown Millbury and areas to the south, roughly bounded by Elm Street, Providence Street, South Main Street, Sycamore Street, and Worcester-Providence Turnpike/Route 146 (see Appendix B, Environmental Justice Map). It is one of ten Census Block Groups in Millbury, representing about 7.2% of the Town's population, or 949 residents, based on 2010 estimates. For a block group to be considered an Income Environmental Justice area, it must have an annual median household income is equal to or less than 65 percent of the statewide median (\$62,072 in 2010).

The only open space within the Environmental Justice area is the Upper and Lower Town Common. However, Windle Field and Country Bridge Cemetery are directly across the street from the Environmental Justice Area and Washington Street Park is in close proximity, although you have to cross Route 146 to access it. To ensure the residents within the Environmental Justice area have adequate access to open space and recreation facilities, the Town should prioritize the rehabilitation and activation of Windle Field, which is currently underutilized. The Town should continue to consider its Environmental Justice population when making decisions related to open space and recreation and ensure that it is considering all grant and funding opportunities related to Environmental Justice areas.

Growth and Development Patterns

Millbury began as a farming community with hilltop villages and was dramatically transformed by the industrial revolution into a series of riverside mill villages separated by rolling hills

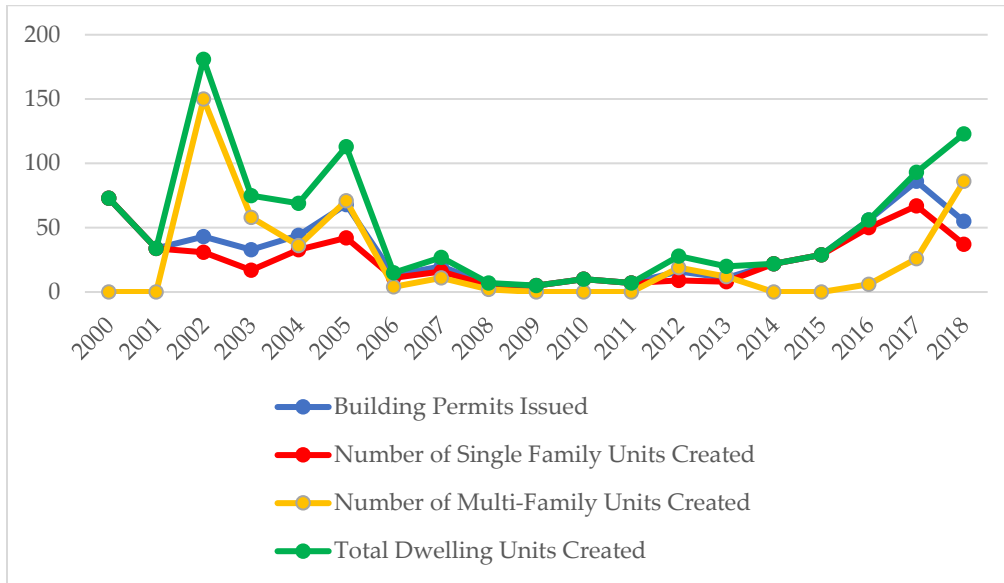


Luxury Apartments at Cobblestone Village

covered with forests and scattered farms. The Blackstone River and its tributaries were the main reason for its industrial base and growth. The mixed uses of the 19th century villages gave a unique character to many parts of the town. Industrial, commercial and residential uses are all in close proximity. This precedent of village development is supported by provisions in the current zoning regulations that encourage mixed uses.

With the advent of the automobile, former woodlots and farmlands on the outskirts of town were slowly converted into house lots. The pace of residential development accelerated in the new millennium as Millbury's affordable housing prices, excellent highway access, and close proximity to jobs located in Boston, Worcester and along the Route 495 corridor, enhanced Millbury's reputation as a desirable town in which to live and work. Figure 3 depicts the number of new construction residential building permits issued since 2000. The dramatic increase in the number of multi-family dwelling units constructed since 2008 is largely owing to the construction of Brierly Pond Village (Phase II), a fifty-five and older community consisting of a total of 199 townhouse units, Stratford Village, a townhouse development consisting of 49 duplex and triplex units, and Cobblestone Village, a 72-unit luxury, garden-style apartment complex.

Figure 3 - New Construction Residential Building Permits Issued in Millbury (2000 – 2018)



Source: Millbury Building Department

The bulk of new construction residential building permits issued since 2000 are for dwellings within developments approved by the Planning Board as opposed to single-family dwellings on roadside lots that require no approval (ANR lots). Since 2000, the Planning Board approved 18 developments containing 529 dwellings. These projects are in various stages of development.

Table 6 - Housing Sales in Millbury (2005 – 2018)

Year	Median Single Family Sales Price	Number of Sales	Median Condominium Sales Price	Number of Sales	Median Residential Sales Price (All Sales)
2005	\$310,500	106	\$299,900	66	\$318,505
2006	\$255,000	106	\$288,350	46	\$277,500
2007	\$254,950	110	\$194,800	32	\$250,000
2008	\$234,750	82	\$240,000	21	\$238,200
2009	\$211,500	92	\$189,000	22	\$190,500
2010	\$215,000	89	\$274,900	31	\$220,000
2011	\$211,500	88	\$189,000	12	\$189,250
2012	\$188,500	112	\$235,000	19	\$198,000
2013	\$228,500	114	\$160,000	24	\$228,000
2014	\$235,000	118	\$278,000	23	\$260,000
2015	\$246,500	122	\$229,000	37	\$255,000
2016	\$279,000	146	\$242,900	35	\$287,250
2017	\$265,000	151	\$311,000	33	\$300,000
2018	\$280,200	148	\$312,000	52	\$315,000

Source: The Warren Group

Between 2005 and 2018, 1,584 single family homes and 453 condominiums were sold in the Town of Millbury. As depicted in Table 7 and illustrated in Figure 4, the median sales price of Millbury homes changed dramatically between 2005 and 2018. The median sales price peaked in 2005 with a price of \$318,505. The median sale price trended mostly downwards for the next 6 years - a trend that was accelerated by the Great Recession that hit the real estate market particularly hard beginning in 2007. Prices rebounded in 2010 largely owing to the construction and sale of new, higher-priced, age-restricted units within the Brierly Pond Village Phase II development. However, prices bottomed out one year later at \$189,250, representing a 41% drop in median sales price from the 2005 peak. Prices have steadily increased since 2011 with 2018 median sales prices of \$315,000 coming very near to the 2005 peak. It is expected that prices will continue to increase, albeit slowly, during the next several years.

Figure 4 - Median Sales Price in Millbury (2005 – 2018)



Source: The Warren Group

In the last five years, median single-family home prices have increased by 23% while median condominium prices have increased by 95%. While median single-family sales price has consistently risen since a low point in 2011, median condominium sales price has been more variable. Despite this trend of fluctuating prices, it is important to note that the new millennia marked a new trend in condominium sales. For the first time since the Warren Group began tracking housing sales in 1987, condominium sales prices often exceeded single family home sales prices, beginning in 2003. In 6 of the last 10 years, this trend has held true in Millbury. Construction of Brierly Pond Village, Oakes Circle, Stratford Village, Cobblestone Village and small attached single-family developments featuring many of the same high-end amenities as single family homes has been responsible for this trend.

Table 7 - Housing Sales in Neighboring Communities (2005 – 2018)

Town	Median Residential Sales Price (All Sales)				Percent Change 2005 – 2018
	2005	2010	2015	2018	
Auburn	\$260,250	\$200,000	\$218,500	\$264,000	1.4%
Grafton	\$365,000	\$300,000	\$319,870	\$342,000	-6.3%
Millbury	\$318,505	\$220,000	\$255,000	\$315,000	-1.1%
Oxford	\$241,950	\$180,000	\$207,250	\$239,000	-1.2%
Sutton	\$332,900	\$325,000	\$289,000	\$347,118	4.3%
Worcester	\$245,000	\$160,000	\$190,000	\$239,000	-2.5%
Worcester County	\$265,000	\$195,000	\$228,000	\$260,000	-1.9%
Massachusetts	\$332,000	\$275,000	\$335,000	\$380,000	14.5%

Source: The Warren Group

As depicted in Table 7, Millbury's home price increases over the past thirteen years are comparable to the price increases in neighboring communities. Of the six communities studied, Grafton and Sutton maintained their historic pattern of the highest home values. All communities saw a drop in median home sale price owing to the Great Recession. However, the data shows that by 2018 the median home sales prices of all communities nearly achieved pre-recession median homes sales prices. Those that have not reached pre-recession values are within less than 2 percentage points of the 2005 values. Thus, the data shows good recovery with continued growth expected.

Infrastructure

Located directly to the south of the City of Worcester, Millbury is well served by regional highways, with access to Interstate 90 (Massachusetts Turnpike), Massachusetts Route 146 (Worcester-Providence Turnpike), and U.S. Route 20 (Southwest Cutoff). Millbury is also connected to the surrounding communities of Worcester, Auburn, Sutton, and Grafton through arterial roadways, collector roadways, and local roadways. These types of classifications identify the hierarchy for the effective collection and distribution of vehicles. Roads in Millbury can also be classified based on jurisdiction, ownership, and maintenance responsibility, including state-numbered, state-owned and maintained; state-numbered, town-owned and maintained; town-owned and maintained; and unaccepted roads.

Millbury has 85.13 centerline miles. Of this number, MassDOT has administrative authority over approximately 12% of the centerline miles, with town accepted roadways accounting for 83% and unaccepted roadways capturing the remaining 5%. The roadway network in Millbury is comprised of 64% local, 18% arterial, 13% collector, and 5% interstate centerline miles. Of the total

centerline miles in Millbury, 36% qualify under federal aid while the remaining 64% are characterized as state/local roadways.

Commuting patterns in Millbury are highly connected to its proximity to Route 146 and I-90, which provides excellent access to the regional highway network, the I-90 Corridor, and elsewhere in central and eastern Massachusetts. As a consequence, less than 15% of Millbury's employed labor force works in Millbury and 95% travel via personal vehicle to work. Personal vehicles remain the primary mode of transportation within Millbury. Road networks, traffic volume, and parking are often the biggest infrastructure considerations for new development projects. Millbury currently supplies ample on-street parking in the downtown area, while most other areas of town do not require on-street parking, primarily utilizing off-street, private lots and driveways.

Millbury is within the Worcester Regional Transit Authority's (WRTA) service area. Transit facilities within the WRTA include buses and paratransit. These facilities provide connections to the Massachusetts Bay Transportation Authority (MBTA) commuter rail at Union Station in Worcester, which services Boston and several communities in between. Presently, WRTA Bus Route 4 provides service between Union Station in Worcester and the Shoppes at Blackstone Valley via downtown Millbury. Additionally, the WRTA provides ADA Complimentary Paratransit Service is a curb-to-curb paratransit service for seniors and people with disabilities.

Millbury's pedestrian circulation varies in condition and location. Millbury Center has the most abundant sidewalks, whereas in other areas of the town sidewalks are non-existent. ADA accessible sidewalks are lacking throughout town, although much of Millbury Center's sidewalks will soon be ADA compliant through the Armory Village Downtown Revitalization Project.

Millbury's roadways currently have no designated bicycle routes or lanes. However, a section of the incomplete Blackstone River Bikeway runs through Millbury, from the Blackstone Heritage Corridor Visitor Center in Worcester to a parking lot on North Main Street, near the Shoppes at Blackstone and Route 146. The proposed Blackstone River Bikeway would continue through Millbury Center into Sutton.

Millbury should consider expanding pedestrian and bicycle amenities, where possible. A more complete sidewalk and on-street bicycle network would improve access to open space, promote healthy lifestyles, and lower dependence on personal vehicles. The Town should continue to implement its Complete Streets policy, adopted in 2016, in future project as a way to infill pieces of the pedestrian and bicycle network over time. It should also pursue the completion of its portion of the Blackstone River Bikeway as that would provide a substantial asset to the Town's recreation opportunities.

Public infrastructure and services have historically been concentrated in Millbury's mill villages and most heavily populated neighborhoods. Sewer service is provided to 3,441 households and businesses in the Town of Millbury. The center of town and most of the neighborhoods of East Millbury have public sewers. The system consists of more than 50 miles of pipes and 15 pump stations. The main pump station, which pumps all of the Town's wastewater to Upper Blackstone Clean Water (formerly known as the Upper Blackstone Water Pollution Abatement District), is

located at 131 Providence Street and has a pumping capacity of 10 mgd. The Town charges user fees based on water usage, which finance the operation and maintenance costs of the system.

In an effort to reduce water pollution associated with failing septic systems, Millbury completed a \$21 million sewer expansion project in 2009, which brought sewer capability to nearly 800 homes and businesses in the Laurel Heights and Lake Singletary area (affecting 11 roadways and approximately 222 homes), Greenwood Street area (affecting the Massachusetts Turnpike Pump Station, 6 roadways and approximately 115 homes), East Millbury area (affecting 22 roadways and approximately 267 homes) and Park Hill Avenue and Martin Street area (affecting 4 roadways and approximately 93 homes). The project added 3 pumping stations, bringing the total to 15 stations. Due to this sewer expansion project, approximately 65% of Millbury's residents are now served by public sewer.

Over the next 10 years, the Sewer Commission plans to upgrade pump stations located on Elm Court, Rayburn Drive, Warren Street, and Wheelock Avenue. It is anticipated that future expansion of the system during this timeframe will be owing to new large-scale residential and commercial/industrial developments. As new developments are completed and their roadways are conveyed to the Town of Millbury, pump stations built for these new developments are transferred to the Millbury Sewer Department. Built in 2006, the Autumn Gate Estates pump station was conveyed to the Town of Millbury in August 2020. The Millbury Sewer Department is undertaking an Infiltration/Inflow Program to improve the efficiency of the sewer system over the next 10 to 15 years.

Located at the headwaters of the Blackstone River in Millbury and Worcester, the Upper Blackstone Clean Water was designed to provide secondary treatment at an average flow of 56 million gallons per day (mgd). Millbury has an average daily flow of 1.2 million gallons per day (mgd). The District, which currently consists of the Cherry Valley Sewer District, the communities of Auburn, Holden, Millbury, Rutland, West Boylston, and Worcester, and portions of the communities of Oxford, Paxton, Shrewsbury, and Sutton, was created by the Massachusetts General Court in 1968 and currently serves roughly 250,000 people. Upper Blackstone Clean Water went online in 1976 and began handling Millbury's waste in 2005 when the Millbury wastewater treatment plant was decommissioned.

Since 2005, the District has undertaken a number of capital improvement projects that have yielded a remarkably positive impact on the quality of the Blackstone River. The Blackstone River flows 46 miles into Rhode Island where it joins the Seekonk and Providence Rivers, subsequently discharging to Narragansett Bay. In 2013, the District completed a major plant improvement project that included replacing all the sludge pumping, thickening, and dewatering equipment and ancillaries, including odor control systems. In September 2019, the District wrapped up Phase A of a major nutrient upgrade project that included modifications to the existing aeration tanks, upgrade of the open valve aeration control, hydraulic improvements, installation of chemical feed facilities, and improvements to the electrical main service feed. These improvements aim to enhance dissolved oxygen control and nitrogen removal performance. Phase B improvements, which will address storm water storage capacity and phosphorus reduction, are currently in design but the construction date is uncertain. A final Phase C project

is in the planning stages. The driving force behind the current permit and the Phase A-C capital improvement projects is the reduction of phosphorus and nitrogen inputs into the Blackstone River. Phosphorus is the most important nutrient for enhancing vegetation growth in the river itself, while nitrogen is a more critical nutrient in the salt water of Narragansett Bay. Both require additional controls in order to achieve the water quality goals for the Blackstone River in the future.

The Town relies on ground water for its water supply. Aquarion Water Company, a private water supply company, maintains four wells located on two different aquifers for the town-supplied water system: The Millbury Avenue Well, Oak Pond Avenue Well and the Jacques Wells No. 1 and 2. The water from the four wells is naturally filtered underground, as well as disinfected and further treated to protect the water supply piping system. The water from the Millbury Avenue Well is filtered at the Millbury Avenue treatment facility to provide protection from microbes. The water from the two Jacques Wells is treated with ion exchange to remove perchlorate, an accelerant used in explosives and rocket fuel that was discovered in the Town's water supply in 2004. Aquarion Water Company also owns the Burbank Reservoir, located in town, which augments Millbury's groundwater supplies and acts as the system's only water storage facility. Constructed in 1894, the Burbank Reservoir has a capacity of approximately 1.49 million gallons.

The public water distribution system follows major roadways, supplying approximately 8,800 people with water. Many areas, especially west of Greenwood Street, have private wells. The average daily demand for the Aquarion-supplied water system during 2018 was 1.64 million gallons. During high demand periods, water from the City of Worcester supplemented the supply by 525,000 gallons of water, accounting for less than 1% of total usage in 2018. The distribution system is also interconnected with Grafton's supply, which can be tapped in emergencies and during periods of heavy demand. Millbury's total allowed annual average daily withdrawal is approximately 2.02 million gallons. During peak summer demand, Aquarion Water Company enforces DEP-mandated town-wide irrigation limits so as to avoid overruns of the permitting limit. Projections indicate that the system will exceed its permitted withdrawal volume in approximately 2022; however, with a maximum daily pumping rate of 2.2 million gallons per day, the wells are more than sufficient to meet the needs of current and future residents.

Aquarion Water Company has upgraded several small mains in the past few years, including on Main Street, Alpine Street, and West Main Street by the rotary. In 2020, the company made upgrades to the water infrastructure systems in Millbury Center, Philips Drive and Woodland Street. The state will upgrade the McCracken Road water main from the Shoppes at Blackstone Valley to Greenwood Street as part of the McCracken Road/Greenwood Street reconstruction project slated to begin in 2021. In planning for the future, Aquarion is looking to identify new well sites to meet demand, as well as continue to support protecting water aquifer protection zones to keep the water supply safe.

Long-term Development Patterns

In 2018, a buildout analysis was completed by BSC Group, Inc. as part of the Master Planning process. As seen in Table 9, this effort was designed to show what the town might look like if all the developable land were built upon under the then-current zoning restrictions.

GIS data and land use data records from the Town Assessor were analyzed in conjunction with existing zoning (See Appendix B, Zoning Map) to calculate an estimate of future development capacity for the Town of Millbury. Vacant land was broken down into zoning districts, and then filtered by the availability of public sewer. Using efficiency loss factors for infrastructure (roads, stormwater management, wetlands, etc.), development potential was then calculated. The existing zoning was used to calculate the dwelling unit yield per acre for residential districts. For corresponding business and Industrial Districts, Floor-to-Area Ratios (FAR) were applied.

Using these criteria Millbury has the potential for 2,712 new residential dwelling units. These new lots would bring 6,373 new residents, of which an estimated 1,275 would be school-aged children. New residents would also have an impact on services; for instance, residential water use from both municipal sources and private wells would increase by 362,689 gallons per day (gpd), municipal solid waste would increase by 1,585 tons and roads would increase by 15.3 miles.

At present, 1,289 acres of land in Millbury are permanently protected, either as town-owned or other conservation land (628 acres), cemeteries (24 acres), Aquarion Water Company property (84 acres), state-owned wildlife management areas (291 acres) or agricultural preservation restrictions (262 acres). This is approximately 12.8% of the total land area of the town. About 328 acres of unprotected land in Millbury, or 3%, is currently used for active or passive recreation purposes. Of that, 180 acres are school facilities (Elmwood Street School, Shaw School and the Millbury Junior/Senior High School). The majority of the new development, an anticipated 2,712 dwellings, would be constructed within the rural Suburban I District in West Millbury and the Suburban IV District east of Park Hill Avenue. The Town also anticipates infill development within village centers.

There are (12) twelve zoning districts and five (5) overlay districts in the Zoning Bylaws. The purpose of the Millbury Zoning Bylaw is to promote the health, safety, convenience, amenity, and general welfare of Millbury residents by encouraging the most appropriate use of land. Originally adopted by the Town on February 5, 1957, much of the current land use arrangement within town was already established. As such, certain provisions of zoning are based on past development patterns.

Table 8 – Buildout Statistics for Millbury (2018)

SUMMARY BUILDOUT STATISTICS for MILLBURY (New Development and Associated Impacts)	
New Residential Lots	2,712
Comm./Ind. Buildable Floor Area (sq. ft.)	2,857,236
Residential Water Use (gallons per day) ¹	477,975
Comm./Ind. Water Use (gallons per day) ²	214,293
Municipal Solid Waste (tons) ³	3,842
Non-Recycled Solid Waste (tons) ⁴	2,326
New Residents ⁵	6,373
New School-Age Children ⁶	1,275

Notes:

1. "Residential Water Use" is based on 75 gallons per day per person.
2. "Comm./Ind. Water Use" is based on 75 gallons per 1,000 square feet of floor space.
3. "Municipal Solid Waste" is based on 1,206 lbs per person per year. All waste estimates are for residential uses only.
4. "Non-Recycled Solid Waste" is a subset of Municipal Solid Waste and is based on 730 lbs per person per year ending up in a landfill or incinerator.
5. The number of "Residents" at buildout is based on the persons per household figure derived from the 2017 American Community Survey data.
6. The number of "Students" at buildout is based on a student per household ratio taken from 2017 American Community Survey data.

The Residential and Suburban Districts in the bylaw provide for a range of dwelling types from relatively high densities with public utility service to one- and two-family residential developments in low density areas with no public services. Business and Industrial Districts provide for appropriate commercial and environmentally compatible industrial areas suited to that use by access, absent of conflicting use and service. The Town's overlay districts allow for additional land uses not usually allowed within a base zone in some areas and provide additional measures and protections for natural resources in other areas.

Current efforts to reexamine and simplify the current Zoning Bylaws will help it to be more accessible, less repetitive, and provide better clarity. Several improvements to the Bylaws could result in better protections for open space and recreation. Specifically, reexamining minimum parking requirements, minimum dimensional requirements, and promoting increased density in appropriate locations would help to preserve open space.

Additionally, in 2006, Millbury adopted an updated Open Space Community Bylaw that allows for greater flexibility and creativity in the design of residential developments; facilitates the permanent protection of open space and natural, historic and scenic resources; and encourages a more economical and efficient form of development that is sustainable and conservative from a land protection and municipal services perspective.

Section 4 – Environmental Inventory and Analysis

Geology, Soils and Topography

Millbury's total area is 16.3 square miles, comprised of 15.7 square miles of land and 0.6 square miles of water, covering approximately 10,500 acres. The land, which is roughly 2 miles north to south and 6 miles east to west, is hilly: elevations begin at about 350 feet above sea level. At approximately 730 feet above sea level, Mt. Ararat is the tallest peak in West Millbury. The highest point in Millbury is approximately 800 feet above sea level.

Geology

The Town of Millbury lies between two regional thrust faults, the Clinton-Newbury fault zone in the west and the Bloody Bluff Fault in the east. The terrain that is defined by these two faults is called the Nashoba Terrain. The rock assemblage of the Nashoba Terrain is called the Nashoba Formation. In Millbury, the Nashoba Terrain consists mostly of metasedimentary rocks, metamorphosed biotite schists and gneisses.

When the glacier receded, it left behind many hills and prominences including Mount Ararat, a bedrock peak or monadnock, which rises about 215 feet above Brierly Pond at its base. Three drumlins (elongated, streamlined hills of glacial till) occur in Millbury, including Prospect Hill and the two northeast/southwest running hills that mark the southern border of Dorothy Pond. Drumlins are formed by the ice sheet encountering an obstacle which it is easier to rise up and go over than transport. Drumlins commonly consist of Wisconsin glacial till deposited on top of the older Illinoian glacial till. The glacial advance and retreat also helped create the rolling hills including Grass Hill, Park Hill, and Dorothy Hill, by eroding the bedrock and creating the gentle slopes. Many glacial erratics have been deposited in different parts of the town and include a few boulders and many fragments of compact, soft textured soapstone, used by the Native Americans.

Other glacially derived deposits are located around Millbury, derived by the glacial meltwater and ice contact drift, or kames, collectively called the Blackstone Valley Outwash Deposits. The deposits form the local sand and gravel pits in southeastern Millbury. The Blackstone River and its tributary streams, Broad Meadow Brook, Dorothy Brook, Singletary Brook, and Ramshorn Brook are in the Blackstone Outwash Deposits. The Town's major ponds, Ramshorn Pond, Lake Singletary, Shiner Hole, Brierly Pond, Howe Pond, Slaughterhouse Pond, Hathaway Pond, Woolshop Pond, and Dorothy Pond are all directly linked to the deposition of the Blackstone Valley Outwash.

Soils

The predominant soil types as described in the Soil Survey of Worcester County, Massachusetts, Southern Part, a document produced by the United States Department of Agriculture and Natural Resources Conservation Service in 1998, are loamy sands and sandy loams, and in large areas the soil texture is rough and stony. Forty-seven percent of the town is covered with soils classified

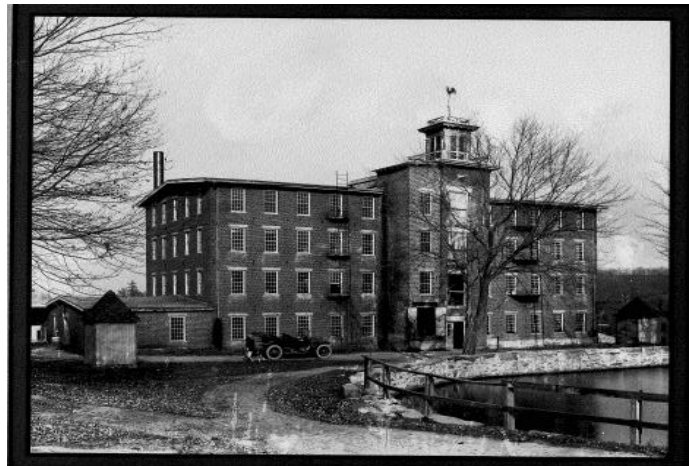
as the Paxton and Canton soil types. These extremely stony, fine sandy loams are predominantly glacial till, glacial moraine and ice contact drift. Paxton soils conformably overlay glacial till, or hardpan, and have very slow permeability. An 1827 agricultural survey of the Town of Millbury stated:

“...(T)he southeastern exposure presents a deep rich loam to the full influence of the sun. It seldom fails to afford a rich reward to the well-directed efforts of the farmer... It is a fine siliceous loam, rather moist, from one to three feet deep... The town generally is better fitted to grass, maize, barley, and oats, than to those vegetables which are required to withstand the severity of winter and particularly the heavings of frost under the sudden changes of spring; and more favorable, perhaps, to grazing than to tillage...”

The Soils & Geologic Features Map found in Appendix B shows that large areas of the western part of Millbury contain prime farmland soils or soils that are severely limited for development. The limitations to development are primarily the result of wetness, slope, depth to bedrock, and rockiness of soils. These factors all increase the cost of development in these areas. Most areas with slight to moderate limitations have already been developed and a significant proportion of the Town’s prime farmland soils are located on farmland enrolled in the APR Program.

Landscape Character

Millbury's rich visual character reflects its history and the limitations to development. The Blackstone River and its tributaries form valleys between mostly forested rolling hills. Densely developed villages such as Bramanville and Wheelerville that sprung up around 18th and 19th century brick mills and their associated housing have largely retained their historic flavor. Residents value the traditional mixed-use character of these villages and their proximity to the rivers that powered the mills, wetlands, farms, and forests on the surrounding hillsides.



S & D Spinning Mill

Much of the visual character of these rural hillsides is afforded by privately-owned undeveloped land that has little or no long-term protection as open space. Historically, this land has been too expensive to develop because of the soil limitations mentioned above, but as pressures for new building sites grow, some of these important natural areas are sure to be developed unless they are protected.

Water Resources

The Blackstone River, its tributaries, and the town's ponds are the most significant surface water features in Millbury, as shown on the Water Resources Map 1 (See Appendix B). Approximately 10% of Millbury's land surface is covered by waterways, wetlands and ponds. Several of Millbury's ponds owe their existence to the Town's industrial past. Millbury contains four major ponds, ranging in size from the 18-acre Brierly Pond to the 330-acre Lake Singletary. The Town owns and maintains the dams that form Brierly, Dorothy, Ramshorn and Lake Singletary. Specific facts about the various Millbury ponds that are worthy of note appear in Table 10.

Millbury is located within the Blackstone River Watershed and the following sub-watersheds: Upper Blackstone River, Singletary Brook, Middle French River, Upper Blackstone River-West River and Quinsigamond River. Isolated and bordering vegetated wetlands are present across the Millbury landscape.

Two main aquifers are present in Millbury. One is located along the Blackstone River, and one is located around Dorothy Pond and Dorothy Brook. Most of the Dorothy Pond aquifer is also designated as a Zone II wellhead protection area by the Department of Environmental Protection. Current risks to wetland and waterway protection include fill resulting from development, hydrological changes due to beavers, invasive species, stormwater runoff and other pollutants, and dam integrity.

Table 9 - Millbury Pond Characteristics

Pond Name	Total Area (Acres)	Great Pond*	Public Access
Brierly	18 acres	No	Yes
Dorothy	148 acres	Yes	Yes
Hathaway	10 acres	No	No
Howe Reservoirs	16 acres	No	No
Howe	6 acres	No	No
Ramshorn	117 acres	Yes*	Yes
Riverlin Street	7 acres	No	No
Shiner Hole	4 acres	No	No
Singletary	330 acres	Yes	Yes
Slaughterhouse	8 acres	No	No
Woolshop	8 acres	No	No

Source: U.S. Environmental Protection Agency, National Assessment Database

*Classified as flowed great pond, meaning that the impoundment transformed it into a great pond. It was originally less than 10 acres in size in its undammed state.

Public access to Millbury's water resources is as follows:

- ❖ The Blackstone River has informal canoe access points at McCracken Road, near the Blackstone River Bikeway, and at Riverlin Street, across the street from Cordis Mills. More

formal launch areas have been proposed in conjunction with the Blackstone River Bikeway but have not yet built.

- ❖ Brierly Pond, within the Brierly Pond Conservation Area, which includes the Kiwanis Beach, a former swim area the banks of which have been reclaimed by forest. A 1-acre parcel near the dam serves as a parking area, informal canoe launch site and fishing area. Desires to reestablish Kiwanis Beach for swimming have been stymied by the poor condition of Brierly Pond Dam, the quality of Brierly Pond, and the shallowness of the pond.

- ❖ Lake Singletary has a Public Access Board boat ramp, owned and managed by the Massachusetts Department of Fisheries and Game, Office of Fishing and Boating Access, with 15 trailer parking spaces, including 1 ADA-compliant trailer space, and 7 standard parking spaces, including 1 standard ADA-compliant space. The boat ramp and parking lot were rebuilt in summer 2019. The Town owns two parcels with frontage on Lake Singletary: a .3-acre undeveloped site near the



Lake Singletary Boat Ramp

outflow of Singletary Brook where the dam and outlet works are located and a 20,600 square foot parcel off of Singletary Avenue that is managed by the Butler Farm Reuse Committee. Due to a significant drop in elevation and a fence, Lake Singletary is currently not accessible from the Singletary Avenue location. However, it contains benches and a small gravel parking area for those who want to enjoy picturesque views of Lake Singletary.

- ❖ The Town owns a 4-acre wooded parcel on Big Dorothy Pond nicknamed Oliver Perry Park, which was obtained by the Town through the tax title process in 1949. A 17,000-square-foot undeveloped parcel off of MacArthur Drive was also obtained through the tax-title process, as well as a 6,000-square-foot parcel off of Warren Street that contains a sewer pump station. The best access to the pond is via the Dorothy Pond Recreation Area- a 20-acre parcel encompassing Little Dorothy Pond that is located on Riverlin Street and abuts the Transfer Station. This is a popular fishing and walking



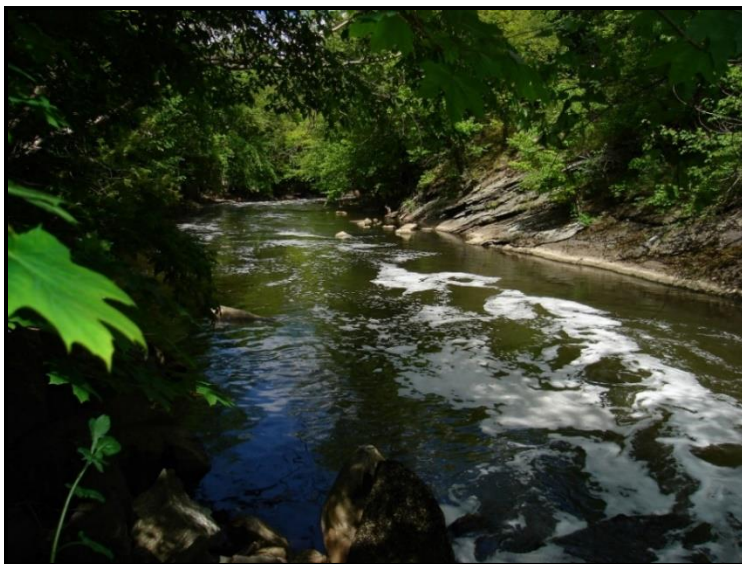
Dorothy Pond Dam

destination. The abandoned railroad bed, which bisects the parcel, constitutes an informal, multi-purpose trail that is popular amongst hikers, mountain bikers and ATV users. Access to Dorothy Pond is also possible via eight “roadways” that intersect the pond at various locations. Depicted on the Dorothy Pond Public Access Map found in Appendix B, most of these “roadways” do not exist on the ground therefore they are unknown to Millbury residents and, consequently, little used. In fact, in many instances, abutting property owners have incorporated the “roadways” into their yards.

- ❖ In 2018, work was completed on the new Ramshorn Pond Dam, which provides formal canoe access and fishing opportunities off of Dolan Road. The new dam features 5 standard parking spaces and 1 ADA-compliant parking space, 2 granite benches, decorative planters, and a bike rack. Informal access to Ramshorn Pond is also provided via a “roadway” situated between #51 and #53 Davis Road. However as is the case with the eight “roadways” that intersect Dorothy Pond, the existence of this public access point is not apparent on the ground.

Blackstone River

Millbury’s dominant water feature is the Blackstone River, which begins in Worcester, Massachusetts at the confluence of the Middle River and Mill Brook. It meanders 46 miles in a southeasterly direction through eight Massachusetts communities and nine Rhode Island communities before flowing over the Slater Mill falls into the Seekonk River at the head of Narraganset Bay in Providence, Rhode Island. The Blackstone River’s average flow is about 862 cubic feet per second, although this varies greatly due to storms and draught, and it drains an area of 472 square miles, about one-third the size of Rhode Island. The majority of the drainage area (373 square miles) is in Massachusetts.



Blackstone River

As mills were built along the river and villages were developed, untreated sewage, detergents, solvents, heavy metals and other industrial wastes were disposed of in its waters. The Blackstone River became known as one of the nation's most polluted rivers. Antipollution laws and the construction of wastewater treatment plants improved the quality of the river in recent years, but more must be done to clean up this important natural and recreational resource. As development continues, polluted runoff from built-up areas increases.

The loss of wetlands and vegetated buffer zones along the river reduces the capacity of these

natural systems to purify the water and absorb floodwaters. These factors diminish the river's wildlife, scenic, and recreational values. The designation of the Blackstone River Valley as a National Heritage Corridor has done much to focus attention on improving water quality and access.

Formed in 2000, the Blackstone River Coalition is a partnership of organizations, businesses, state agencies, municipalities, and individuals that set the common goal of a “fishable, swimmable Blackstone River by 2015”. Although that goal was not achieved in Millbury, significant progress has been made and the Coalition continues to work with state environmental agencies in Massachusetts and Rhode Island on a variety of efforts, including mandated upgrades to several wastewater treatment plants, including Upper Blackstone Clean Water (formerly known as the Upper Blackstone Pollution Abatement District), public awareness campaigns to reduce non-point source pollution, volunteer water quality monitoring efforts, stream flow efforts, wetland and riparian area restoration, and land/habitat preservation efforts.

Floodplain-FEMA Flood Hazard Areas

Approximately 8% of Millbury is located within the federal flood hazard areas map. Areas along the Blackstone River and its tributary streams are subject to periodic flooding. Flood hazard areas, including both low-lying uplands and wetlands, are located along Ramshorn Brook and Pond, the Blackstone River, Blackstone River tributaries, Singletary Brook and Pond, Dorothy Brook and Pond, and Cronin Brook. Flood Hazard Areas are as depicted on the Water Resources Map 2 found in Appendix B.

Wetlands

Many wetland types, from vernal pools and forested wetlands to floodplains, are found in the valleys, between the town's many hills. These hot spots of biological diversity are nature's way of ensuring good water quality and minimizing flooding. Both inland wetlands and floodplains perform crucial functions including pollution filtration, flood storage and control. Supporting approximately 43% of the nation's rare and endangered species, wetlands are home to an abundance of wildlife. Since they are also common recharge zones for groundwater sources, it is important that Millbury identify and protect its wetlands.



Certified vernal pools off Braney Road

Millbury has approximately 67 potential vernal pools and 3 certified vernal pools. As shown on the Habitat Features Map in Appendix B, Millbury's potential and certified vernal pools are concentrated near water bodies. Vernal pools are ephemeral pools of water that are breeding habitat for amphibians and home to hundreds of invertebrates. They are among the most diverse ecosystems in New England.

As depicted on the Water Resources Map 1, one of Millbury's most extensive wetland areas is along Ramshorn Brook as it flows north from Ramshorn Pond through West Millbury and into Pondville Pond in Auburn. Stowe Meadows and Soles Swamp are parts of this system of wetlands that have been acquired by the town and protected as open space; other parts are on privately-owned land at risk for development. For example, an 8 MW solar photovoltaic and battery storage facility recently completed construction on a parcel of land along West Main Street that includes Shiner Hole, an important and large wetland system encompassing approximately 45 acres. There are also some scattered areas of wetlands in East Millbury along Cronin Brook and the boundary with Grafton, as well as an area east of Dorothy Pond at the foot of Dorothy Hill and along Dorothy Brook. Smaller wetland areas occur throughout the town and add important wildlife habitat and visual diversity to the landscape character.

Though large, relatively undisturbed wetlands remain in Millbury, land use practices and future residential, commercial and industrial development threaten to destroy them. Presently, Millbury's wetlands are not sufficiently protected. The Wetlands Protection Act regulates all ground-disturbing activities within 100 feet of wetlands through the local Conservation Commission. However, according to MassAudubon, Massachusetts continues to lose wetlands every year to development and wetland loss continues to be an issue in Millbury and beyond.

Aquifer Recharge Areas

The town takes its drinking water supply from two major aquifers, the Dorothy Pond Aquifer and the Blackstone River Aquifer. Both aquifers are classified by the United States Geological Survey's Water Resources Division as having potential for high water yields. The glacially

deposited sand and gravel of these aquifers provide reliable sources of high quality drinking water because it is naturally filtered as it passes through the microscopic spaces between sand grains. Bacteria from sewage and most other pathogenic contaminants are removed within a few hundred feet. Organic chemicals generally cannot be "filtered out" so it is important that well sites are removed from potential sources of contamination and protected, where possible, by large tracts of publicly owned land and/or via regulatory authority.

Aquarion Water Company, which owns and maintains the Town's public water supply, owns 74 acres of land and wetland resources immediately surrounding its drinking water wells on Howe Avenue and North Main Street. Unfortunately, Millbury's public drinking water supply wells and their contributing aquifers are located in some of the most densely developed areas of town. Several heavy industrial uses, including a metal recycling center, asphalt plant, Upper Blackstone Clean Water, and Routes 20, 90, and 146 are located within the recharge areas of these aquifers. Because hazardous chemicals can enter the groundwater supply from many sources, there is always a potential for the drinking water to become contaminated. This point is underscored by the recent discovery of PFAS contamination of unknown origin in the Oak Pond well, which led to its removal from service in fall 2019.

In an effort to enhance protection to Millbury's drinking water supplies, in 2010 the Town replaced its former Aquifer and Watershed Protection Overlay District with a stricter version that expanded the boundaries of the District to include all areas designated by the Department of Environmental Protection as Zone II and one area designated as Zone III. This expanded scope now includes both the Dorothy Pond and Blackstone River Aquifers. Under the new Bylaw, a variety of potentially harmful uses, such as landfills, junkyards and fueling stations are prohibited and other uses, such as those that render more than 15% or 2,500 square feet of any lot impervious, require a special permit by the Planning Board.

Vegetation

Millbury's forest-covered hills, open fields and cropland, pastures, marshes, and forested wetlands provide a diversity of habitats for wildlife and many potential opportunities for citizens to enjoy the outdoors. Forty-one percent of the town is covered by forests, including stands of hardwoods, evergreens, and mixed stands. Hardwood forests are dominated by oaks, but also contain cherry, maple, birch, aspen, beech, hickory, butternut, ash, chestnut, willow, and elm. Forested wetlands are dominated by red maple. Softwood forests are dominated by white pine, but also contain red pine, spruce, and hemlock.

Millbury's forests include both mature second growth stands and areas of immature trees. The mature forests generally have a clearer understory and provide good opportunities for hiking. Some of the immature forests on especially poor soils are relatively open and also offer opportunities for trails and hiking. Immature forests with thick understory shrubs and ground covers offer significant wildlife habitat, although, in some locations native species within the forest understory are being choked out by invasive plant species such as multiflora rose, occidental bittersweet, Japanese barberry, Japanese knotweed, Norway maple, and garlic

mustard. These invasive species will continue to expand unless property owners take the initiative to actively manage their forests.

Millbury has a significant amount of public shade and street trees, although their age and health pose a long term risk to the Town's tree canopy. A street tree trimming program by public utility companies has also reduced the street tree canopy throughout town. Additionally, several significant residential and solar farm installations over recent years has adversely impacted the town wide canopy coverage. To combat this loss, the Tree Warden and Planning Department has successfully administered several recent grants to replant street trees but further efforts should be taken to restore and improve the town's street trees and trees on town-owned property.

Fisheries and Wildlife

The nearby Massachusetts Audubon Society's Broad Meadow Brook Wildlife Sanctuary in Worcester has many similar habitats and has kept records of its flora and fauna. One hundred sixty-four species of birds; twenty-three species of mammals; five species of salamanders and newts; six species of frogs and toads; three species of turtles; four species of snakes; seventy-two species of butterflies and skippers; and five hundred forty-nine species of plants have been recorded at the sanctuary. Millbury's much larger area and greater diversity of habitats would be sure to have an even more diverse flora and fauna than the relatively small sanctuary. Some of the highlights of the sanctuary's wildlife are listed below:

Table 10 - Animal Species Identified In and Around Millbury

Mammals	Frogs & Toads	Salamanders & Newts
White-tailed Deer	Wood Frog	Spotted Salamander
Short Tailed Weasel	Green Frog	Red-backed Salamander
Red Fox	Bull Frog	Dusky Salamander
Coyote	Spring Peeper	Two-lined Salamander
Cottontail Rabbit	Gray Tree Frog	Red-spotted Newt
Opossum	American Toad	
Raccoon	Turtles	Snakes
Skunk	Snapping Turtles	Black Racer
Muskrat	Painted Turtles	Garter Snake
Little Brown Bat	Spotted Turtles	Northern Water Snake
Big Brown Bat		Rink-necked Snake
Birds*		
Black-billed Cuckoo	Belted Kingfisher	Eastern Bluebird
American Bittern	Wood Duck	Wood Thrush
Osprey	Virginia Rail	Red-eyed Vireo
Bald Eagle	Red-bellied Woodpecker	Blackpoll Warbler
Common Nighthawk	Green-winged Teal	American Redstart
Red-tailed Hawk	American Woodcock	Yellow-rumped Warbler
Rose-breasted Grosbeak	Willow Flycatcher	Scarlet Tanager

Pileated Woodpecker	White-throated Sparrow	
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Source: Massachusetts Audubon Society

*Note: Some of these are the larger but less commonly seen birds. There are of course the more commonly seen: chickadees, sparrows, wrens, robins, bluejays, cardinals, finches, crows, blackbirds, ravens, orioles, etc.

In Millbury, formerly rare sightings of coyote, fisher cat, and turkey are now commonplace. There have also been recent sightings of bobcat.

Fisheries

Millbury has a wealth of ponds and streams that provide habitat for bass, perch, black crappie, pickerel, bullhead, sunfish, catfish, and other warm water fish. Fishing is a popular activity, especially in Lake Singletary, where the Massachusetts Division of Fisheries and Wildlife stocks trout each spring.

One cold-water fisheries resource is present in Millbury along a Blackstone River tributary located south of McCracken Road. The Commonwealth's cold-water fisheries website identified the presence of longnose sucker, slimy sculpin, lake chub, American brook lamprey, burbot, rainbow trout, rainbow smelt, landlocked salmon, brown trout, brook trout, and lake trout in this location. Cold-water fisheries are sensitive habitats that should be protected.

Butterflies

A greater diversity of butterflies and skippers (72 species) has been found at Broad Meadow Brook than at any other Massachusetts Audubon Sanctuary. The sanctuary has a major electric power transmission line running through it and the majority of butterfly and skipper species have been found along this right-of-way. Transmission line rights-of-way have a diversity of plants that are food supplies for these colorful insects. Millbury's extensive transmission line rights-of-way are also likely to have a large diversity of butterflies and skippers.

Priority and Estimated Habitats

As part of the Massachusetts Endangered Species Act (MESA), the National Heritage and Endangered Species Program (NHESP) has identified Priority Habitats of Rare Species, Estimated Habitats of Rare Wildlife, and BioMap Core Habitat and Critical Natural Landscapes within Millbury's borders. Priority Habitats are protected pursuant to MESA, including state-listed plants and wildlife with strictly upland habitat requirements that are not protected under the Wetlands Protection Act. Habitat alteration within Priority Habitats is subject to review by the NHESP. Estimated Habitats of Rare Wildlife are a sub-set of Priority Habitats that are used with the Wetlands Protection Act Regulations. If a proposed project falls within an Estimated Habitat and is also subject to local Conservation Commission review, then the applicant must submit the Notice of Intent (NOI) to the NHESP for review.

MESA protects state-listed rare species and their habitats by prohibiting the "Take" of any plant or animal species listed as Endangered, Threatened, or of Special Concern by the Massachusetts Division of Fisheries & Wildlife. "Take" may result from actions that directly kill or injure state-

listed species, as well as activities that disrupt rare species behavior and habitat. Information about the specific rare or endangered species present in Millbury is protected by MESA. However, consultation with the NHESP revealed that Millbury contains habitat for Wood Turtle (*Glyptemys insculpta*, Special Concern) and a Special Concern plant (name not released).

The Habitat Features map depicts two areas of Priority Habitat of Rare Species and one Estimated Habitat of Rare Species in Millbury:

- ❖ Priority Habitat (PH 1028) is located at the summit of Mt. Ararat. This area is privately owned and contains no permanent protection.
- ❖ Priority Habitat (PH 1070) and Estimated Habitat (EH 821) are located along the border between Millbury and Grafton south of the Martha Deering Wildlife Management Area. This area follows Cronin Brook as it meanders through forests and farm fields to its confluence with the Blackstone River north of Elmwood Street in Grafton. The Millbury portion of the site is privately owned and contains no permanent protection. Most of the area is owned by Paul Revere Village, a multi-family condominium complex.

In BioMap2, the NHESP identified habitats key to the preservation of Massachusetts' natural communities and ecological processes. BioMap Core Habitats are critical for the long-term persistence of rare and other Species of Conservation Concern, exemplary natural communities, and intact ecosystems across the Commonwealth. Critical Natural Landscapes are large natural landscape blocks that are minimally impacted by development and better able to support ecological processes and disturbance regimes, and a wide array of species. In 2012, the NHESP mapped three areas of BioMap2 Core Habitat and one area of BioMap2 Critical Natural Landscape in Millbury. They are described as follows and depicted on the Habitat Features Map:

- ❖ A 6-acre area of Core Habitat located at Mount Ararat is home to a species of conservation concern. This area is privately owned and contains no permanent protection.
- ❖ A 710-acre area of Core Habitat crosses into Millbury where Millbury, Oxford and Sutton meet. A large portion of the Core Habitat is located within the Merrill Pond Wildlife Management Area. This Core Habitat is included within Millbury's only Critical Natural Landscape, which is located west of Davis Road and south of South Oxford Road. For the most part, this area is privately owned and unprotected. The entire Critical Natural Landscape is 2,114 acres, however only a portion of that is located within Millbury's borders. The Critical Natural Landscape is designated because of the presence of Wetland Core Buffer and Landscape Block. The area is large enough to maintain dynamic ecological processes and therefore should be a protection priority.
- ❖ An 871-acre area of Core Habitat is found mostly in Millbury, with a portion located in Grafton. This area is north of Grafton Street, east of Riverlin Street, and includes the Martha Deering Wildlife Management Area, the Colton Conservation Area and the Coldbrook Conservation Area.

Wildlife Corridors

Millbury, with its extensive network of rivers and streams, conservation areas, power transmission lines and gas pipeline, has a ready built and expansive network of formal and informal trails. Animals are known to use these undeveloped corridors to move from one habitat to another. Fox, deer, and coyote travel these routes, especially at night. Hawks hunt the grasses and shrubs for small mammals, birds, and insects. These trails are also enjoyed by Millbury residents who regularly use them for hiking, biking, ATV use, and hunting.

Scenic Resources and Unique Environments

The rapid pace at which Millbury's open spaces have been converted to commercial and residential development and the associated loss of cherished scenic, cultural and ecological resources prompted Millbury to participate in the Heritage Landscape Inventory Program, a program offered by the Massachusetts Department of Conservation and Recreation, John H. Chafee Blackstone River Valley National Heritage Corridor and the Quinebaug-Shetucket Rivers Valley National Heritage Corridor for the purpose of identifying a wide range of landscape resources, particularly those that are significant and unprotected, and compiling strategies for preserving heritage landscapes. Heritage landscapes are defined as "special places created by human interaction with the natural environment that help define the character of a community and reflect its past".

In March 2007, a heritage landscape identification meeting was held during which residents and local officials identified and prioritized landscapes that embody the community's character and its history (See Appendix B – Millbury Heritage Landscape Inventory Map). The meeting was followed up by a field trip to priority landscapes. Priority landscapes are those that are highly valued and contribute to community character, but do not have any permanent form of protection. Attendees identified the following priority landscapes:

- ❖ Old Common and Old Common Road
- ❖ Bramanville Village
- ❖ Armory Village and Blackstone River Rapids
- ❖ Pearson's Dairy Farm, Stowe Farm, Hawk Hill Orchards, and Butler Farm
- ❖ Dorothy Pond (Big and Little)

These landscapes served as the focus of the Reconnaissance Report that describes the community's landscape history. The Report also describes the priority heritage landscapes and issues associated with them, discusses broader land planning issues identified by the community, and concludes with preservation recommendations.

Landscapes identified in Reconnaissance Report, especially the priority landscapes, would benefit from further documentation in accordance with Massachusetts Historical Commission guidelines. The documentation in turn will provide an information base for the local publicity needed to build consensus and gather public support for landscape preservation. Implementing many of the recommendations in this report will require a concerted effort by and partnerships

among municipal boards and agencies, local non-profit organizations, and regional and state agencies and commissions.

The Open Space Committee identified additional features and landscapes that contribute to the character, history, and beauty of our community (See Appendix B – Unique Features Map). The Blackstone River and its tributaries are a defining feature of the Town, contributing not only to the Town’s history and composition, but even to the town’s namesake. Many of the Town’s roads, residences, mills, and commercial centers are located along the Blackstone River and the rivers and streams that feed into it. The water features, including the ponds and dams, along these waterbodies contribute the scenic and natural character of the town.

Millbury is home to many historical mill buildings that have survived from the Industrial Revolution, notably in Bramanville Village along Singletary Brook and in Armory Village along the Blackstone River in Millbury Center. These areas include numerous mill buildings and complexes that were once part of the nascent manufacturing industry in the Northeastern United States in the early to mid-nineteenth century. These buildings have retained their character and have become an important piece of the town’s identity. Their reuse and adaptation have been a primary focus of economic redevelopment efforts and have become a source of pride throughout town.

West Millbury is home to scenic roadways, bucolic farmlands, and precious greenspace and forests. This area is defined by its unique rural character, while only being a short drive from Millbury Center, Worcester, and the many area highways. This area includes hundreds of acres of Ch. 61 farmland and several Conservation Commission properties, including Davidson Sanctuary and Stowe Meadows. Stowe Meadows includes the historic remnants of a large dam system that at one time powered adjacent mills. The remnants are accessible to the public via trails in the Stowe Meadows Conservation Area. Historic mills and homes dot ancient roads, lakes, ponds, and winding rivers and streams. The area includes several Scenic Byway-designed roads. Mt. Ararat is a beloved hilltop in the Brierly Pond Conservation Area that provides a scenic outlook to the area and beyond. West Millbury is a unique environment and an important resource of open space and recreation for our community.

Environmental Issues

Millbury is working hard to address several environmental problems including climate change, chronic flooding, water quality, erosion and sedimentation, invasive species, and hazardous wastes. In 2018, Millbury completed a joint Municipal Vulnerability Preparedness (MVP) plan with the nearby communities of Northbridge and Grafton. This plan helped Millbury identify the community’s priorities when it comes to mitigating the negative effects of climate change. The MVP program is funded by the MA Executive Office of Energy and Environmental Affairs and helps communities conduct local vulnerability assessments and create action-oriented resiliency plans. The successful completion of the plan resulted in Millbury’s designation as a “Municipal Vulnerability Preparedness (MVP) Community”, which affords preference for funding on certain state grant applications. Following on the heels of this designation, the Town

of Millbury was awarded a \$1,000,000 MVP Action Grant for the Armory Village Green Infrastructure Project in summer 2019, which will pay for the installation of rain gardens, a flow-through planter, street trees, porous pavers, sidewalks, and other improvements within Millbury Center.

Climate Change & Flooding

According to the Massachusetts Executive Office of Energy & Environmental Affairs and the Northeast Climate Science Center, by mid-century average annual temperatures in the Blackstone River Watershed may increase by 2.9 to 6.3 degrees over the historical baseline, hot days over 90 degrees may increase by between 8 to 29 more days, days below freezing may fall by between 18 to 39 days, and annual precipitation may increase by 1.4 to 6.8 inches. Yet, seasonal drought conditions may become more frequent as precipitation becomes more concentrated in extreme intensity events and winter snowpack is reduced.



Flooding in Millbury

Flooding was identified in the Municipal Vulnerability Preparedness (MVP) report as both a regional and local concern. The MVP report states, “Increased precipitation may lead to more frequent and severe flooding, including areas outside of designated flood zones defined using historical data, notably in the heavily developed areas adjacent to the Blackstone River, Dorothy Pond and various tributaries”. Flooding of the Blackstone River, which flows 48 miles from its headwaters in Worcester to the Narragansett Bay near Providence, and its

tributary streams is not a new phenomenon, but has been exacerbated by climate change. In both the 1930s and 1950s, catastrophic flooding caused by multiple dam failures came on the heels of hurricanes that ravaged the region. More recently, flooding of the Blackstone River and its tributaries overtopped roads and damaged private property in 2005, 2010, 2015 and 2018. In November 2018, the Millbury Police Department recovered the body of an elderly woman who fell into the Blackstone River’s rapids in Millbury Center and drowned.

Flooding is not only caused by swelling rivers, streams and ponds, but it also results from the lack of or inadequate storm water mitigation facilities. Storm water drainage is identified as a high priority in the MVP report, especially along McCracken Road, Auburn Road and Park Hill Avenue, where no drainage is currently present, as well as along Howe Avenue where an existing culvert between the Howe Reservoirs is undersized. Several culverts, including the Dorothy Brook Culvert on Brightside Street, the Broad Meadow Brook Culvert on Broadmeadow Avenue, Wheelock Avenue over Dorothy Pond Outlet and the Blackstone River Concrete Bridge on South Main Street are failing, which leads to increased flooding. Suggestions for improving storm water

mitigation include the installation of closed storm water systems (i.e. catch basin/pipe/manhole) in particularly problematic locations where soils do not infiltrate and slopes are steep, installation of green infrastructures in locations where conditions are more favorable (land is relatively flat and soils are sandy), regular cleaning and maintenance of existing catch basins and detention/infiltration basins, and upgrading and upsizing culverts.

There is a need to reduce the future impacts of flooding. This can be accomplished through a multi-pronged approach. For example, the Town can adopt regulations and encourage building practices that eliminate development on the floodplain, limit the amount of land disturbance, and require infiltration of water on site through the installation of detention/infiltration basins, rain gardens, porous pavers/permeable pavement, vegetated rooftops, and reduction of roadway widths. If implemented, these measures will not only preserve human life, but they will also reduce property loss.

Bridges

The Town has four bridges that are rated as structurally deficient and in need of major repair or replacement. They are:

- ❖ Brightside Street Bridge - Dorothy Brook Culvert
- ❖ Broadmeadow Avenue Bridge - Broad Meadow Brook Culvert
- ❖ Wheelock Avenue Bridge over Dorothy Pond Outlet
- ❖ South Main Street - Blackstone River Concrete Bridge

Ameliorating structurally deficient bridges is crucial during this time of climate change when more intense and frequent storms could further damage or destroy the bridges, effectively eliminating access to portions of the community. Impeded flow could also contribute to issues such as algae and silt build up. For these reasons, the Town identified bridge repair/replacement as its second highest-rated recommendation to improve climate resilience in the MVP Community Resilience Building Workshop. The total estimated cost of repairing the structurally-deficient bridges, coupled with the Round Pond retaining wall that's likely to collapse and bring a significant portion of West Main Street with it, is \$2.2 million – a figure which includes \$650,000 for design and \$1.56 million for construction. The Town secured a \$500,000 grant and allocated an additional \$160,000 towards replacement of the Wheelock Avenue Bridge, with construction programed to begin in spring 2020.

Meanwhile, the Broadmeadow Avenue Bridge unexpectedly began collapsing in winter 2019, threatening to cut off 28 homes from the rest of the Town. The DPW reprogrammed \$20,000



Damaged Bridge in Millbury

in Chapter 90 funds for temporary repairs to address this urgent need. The repairs were completed in summer 2019. Weston & Sampson Engineers are currently working on the \$180,000 design of the \$350,000 bridge replacement and the Town has applied for a Small Bridge Grant to assist with construction costs. Lastly, the Town invested \$30,000 on preliminary designs for the replacement of the Brightside Street Bridge and is working towards securing additional funding to complete the design and replace the bridge, which also has a price tag of approximately \$350,000. The poor condition of the Brightside Street Bridge has had economic development ramifications as the present owners, Buck Brothers, have been unsuccessful in selling their industrially-zoned building, which currently sits vacant. Bridge conditions in Millbury present a challenge to transportation and safety, as well as a possible threat to the quality of waterbodies and wetlands that surround the bridges.

Dams

Some of the Town's dams pose a significant or high risk of loss of life, property damage and interruption of use or service of important facilities, should dam failure occurs. According to the MVP report, there are 20 dams in Millbury, including 7 Significant Hazard dams and 1 High Hazard dam, according to the state Office of Dam Safety. State regulations require owners to conduct engineering inspections of their dams and prepare emergency response plans. In 2019, Weston & Sampson Engineers completed Emergency Action Plans for three of Millbury's largest dams: Dorothy Pond Dam, Ramshorn Pond Dam and Singletary Pond Dam.

The Dorothy Pond Dam was built in 1825 for recreation purposes. The last significant rehabilitation of the dam was completed in 2002 and the last inspection was performed in 2016. At that time, the dam was found to be in fair condition and the hazard classification was rated as significant. Maintenance issues identified during the 2016 inspection included areas of erosion, minor chips and cracks in the concrete dam, an irregular concrete apron, and a deformed RCP liner within the 24"-36" stone arch culvert. Weston & Sampson developed flood inundation maps, which show the approximate extent of flooding due to the hypothetical breach of the Dorothy Pond Dam under both fair weather and wet weather conditions. The maps indicate that a failure of the dam would release a breach wave through the Dorothy Brook channel and floodplain, traveling through portions of Millbury, Sutton and Grafton. It could overtop several roadways and the Bucks Pond Dam, Woolshop Pond Dam, Pleasant Falls Mill Pond Dam, and the Blackstone River Dam. The structural integrity of these lesser dams is unknown and could also be at risk if overtopped. Moreover, the resulting flooding could impact as many as 80 properties within the three towns, as well as the Millbury's Main Pump Station at 131 Providence Street.

The Ramshorn Pond Dam was also built in 1825 for recreation purposes. The last significant rehabilitation of the dam was completed in summer 2018, also the year of the last inspection. At that time, the dam was found to be in good condition. Minor maintenance issues were identified at the time of inspection, including sand accumulation, minor rutting, soft ground, loamy debris in stilling basin, and minor erosion, which are scheduled to be addressed by the construction contractor in summer 2020. The hazard classification for the Ramshorn Pond Dam is high.

Weston & Sampson developed flood inundation maps, which show the approximate extent of flooding due to the hypothetical breach of the Ramshorn Pond Dam under both fair weather and wet weather conditions. The maps indicate that a failure of the dam would release a breach wave through the Ramshorn Brook channel and floodplain. During wet weather conditions, the breach wave could overtop the Savary Pond Dam, Rich's Mill Dam, Pondville Pond Dam, and Auburn Pond Dam. The structural integrity of these lesser dams is unknown and could become unstable and fail if overtopped. Several road and rail crossing may be overtopped in the event of dam failure including Routes 12, 20 and 290, as well as a Providence & Worcester Railroad line. Moreover, the resulting flooding could impact as many as 26 properties in Millbury and 260 properties in Auburn, including the Auburn Fire Department and Auburn High School, which would likely be inundated during a wet weather failure.

The Singletary Pond Dam was built in 1900 for recreation purposes. It is unknown when the last significant rehabilitation of the dam was completed, but the dam was last inspected in 2016. At that time, the dam was found to be in fair condition. A number of maintenance issues were identified, especially at the outlet, including cracks and erosion. Elsewhere, the inspector noted a vegetated and poorly defined channel, 2-24" concrete pipes exiting from an unprotected bank and steps to the inlet gatehouse that are not level. The hazard classification for the Singletary Pond Dam is significant. Weston & Sampson developed flood inundation maps, which show the approximate extent of flooding due to the hypothetical breach of the Singletary Pond Dam under both fair weather and wet weather conditions. The maps indicate that a failure of the dam would release a breach wave through the Singletary Brook channel and floodplain. During wet weather conditions, the breach wave would overtop the Mill Pond Dam, Brierly Pond Dam, Mayo Mill Pond #1 Dam, and Holbrook Mill Pond Dam. The structural integrity of these lesser dams is unknown and could become unstable and fail if overtopped. Several road and rail crossing may be overtopped in the event of dam failure including Routes 122A (Providence Street) and 146, as well as a Providence & Worcester Railroad line. Flooding from the breach could impact as many as 139 properties in Millbury, including Millbury Fire Department Station 2, which would likely be inundated during a wet weather failure.

Given the significant risk posed by Millbury's largest dams and the potential health, safety and property damage ramifications that could result from dam failures, it is essential that the Town of Millbury monitor these dams regularly so that problems can be quickly identified and assessed. It is also vital that professional inspections are performed, as required, at five-year intervals and that the Town stay on top of maintenance and make repairs as needed. Regular monitoring is especially important during high rainfall events and during spring runoff conditions when large quantities of snow melt. The Town should coordinate training, testing and drills with the local emergency responders from impacted communities to ensure that everyone is familiar with the Emergency Response Plans and what to do in the event of a dam failure. Lastly, the Town should prepare emergency response plans for the other Significant Hazard dams under municipal ownership.

Surface and Drinking Water Quality

As is common in communities throughout the United States, both source and nonpoint source pollution, or contaminated runoff, has contributed to the degradation of Millbury's surface and ground water resources. Potential contaminants include leaking underground storage tanks, failing septic systems, salt applications to roadways, fertilizer and pesticide run-off from lawns, some agricultural activities, heavy equipment dumps, landfills, sewer treatment facilities, processing facilities, and gas stations. These land uses may discharge sediments, pesticides, fertilizers, chlorides, effluent, and hazardous wastes in water bodies, which in turn harm water quality.

The Blackstone River is classified as a Category 5 waterbody by the "2016 Massachusetts List of Integrated Waters" due to up to 17 different impairments from multiple sources, including trash, sediment and nutrients (phosphorus). Multiple upstream ponds and tributaries in Millbury are also included on the "Massachusetts List of Integrated Waters" for various impairment categories (See Appendix C for Millbury's Water Body Impairments). In total, there are more than twenty listed impairments across eight water bodies. Because of the impairments, a draft Total Maximum Daily Load (TMDL) for pathogens was issued for the Greater Blackstone Watershed that includes the entirety of the Blackstone River's drainage area. A TMDL for phosphorus has also been established for three of the ponds (the Howe Reservoirs, Dorothy Pond, and Brierly Pond).

Through the NPDES Phase II Small MS4 (Municipal Separate Stormwater Systems) General Permit, the Town is actively working towards improving the quality of rivers, ponds, and lakes through the implementation of various Best Management Practices (BMPs), including bi-annual catch basin cleaning, street sweeping, drainage infrastructure repairs, and a public education and outreach campaign. One aspect of the program encourages the installation of low impact development techniques as a part of any new development project in Town. Phase I of the Armory Village Green Infrastructure Project, currently under construction, features a variety of low impact development or green infrastructure features including pervious pavement, porous pavers, several rain gardens, a flow-through planter, vegetated bumpouts, and trees. Combined, these features will reduce heat island effects, provide natural habitat, reduce flooding by allowing stormwater to infiltrate the ground, and improve the water quality of the Blackstone River by filtering contaminants.

In accordance with the Town's MS4 Permit, updates to the Rules and Regulations Governing the Subdivision of Land and Post-Construction Storm Water Management Bylaw have been prepared with the hopes of adoption in 2020. The Town engaged Weston & Sampson Engineers for the purpose of assisting with MS4 compliance activities, including the preparation of regulatory updates. Key updates include the addition of tougher phosphorous and nitrogen reduction thresholds and a greater emphasis on utilizing low impact design features to mitigate stormwater impacts.

The Town's industrial heritage and development on top of the town's water supply aquifers are an ongoing concern for the supply of drinking water. In May 2004, two of the Town's municipal

wells tested positive for perchlorate. The wells were immediately taken out of service and a water treatment facility was subsequently designed and constructed to continuously remove perchlorate from the water supply of these wells. In October 2019, the sampling results for one of Aquarion Water Company's sources, Oak Pond Well, showed Per- and Polyfluoroalkyl Substances (PFAS) below current health guidelines established by the United States Environmental Protection Agency (EPA) but above the current health guideline established by the Massachusetts Department of Environmental Protection (MassDEP). PFAS substances are the toxic Teflon chemicals found in non-stick pans, cleaning products, paints, food packaging, firefighting foam, among countless other products. The chemicals are linked to cancers and low infant birth rates. Studies also show that PFAS chemicals affect infant growth and learning, lower chances of pregnancy, affect immune systems, and interfere with natural hormones. The concentration of PFAS compounds in the sample collected in October 2019 was 77 parts per trillion (ppt), which exceeds both the current MassDEP drinking water guideline of 70 ppt and the proposed groundwater cleanup standard of 20 ppt. Upon receiving the results, Aquarion Water Company immediately removed the well from service. The well was retested confirming the initial findings with results showing between 67-92 ppt. Aquarion Water Company is contemplating next steps, which will likely include resampling, source identification, interconnection with other public water systems to purchase drinking water, installation of a filtration system, and, possibly, construction of a new, replacement well in a different location.

Hazardous Waste Sites/Brownfields

The DEP is responsible for investigating and enforcing cleanup of sites contaminated with toxic or hazardous wastes. Since 2008, 56 uncontrolled releases of oil or other hazardous wastes were reported in the Town of Millbury (See Appendix D for a list of DEP Waste Release Sites). These sites are in various stages of remediation- some releases are undergoing initial investigation, other spills are being addressed by site assessments and/or remedial actions, and some release sites have been cleaned up. Two hazardous waste sites (one at the DPW garage in 2010 and one associated with the sewer extension project in 2008) were under the jurisdiction of the Town of Millbury and have since been remediated.

One brownfield site that was formerly municipally-owned is located at 86 McCracken Road, a 5-acre property that was taken by the Town via tax title in 1996. The property was used for the storage of automobiles, automobile parts and miscellaneous debris including lawn care equipment, tires, construction debris and other solid waste materials. Four 275-gallon steel above ground heating oil storage tanks were found on the site, as well as numerous 5-gallon buckets. Testing of drinking water wells located on abutting residential properties revealed the presence of MBTE (a highly soluble fuel oxygenate that is a possible human carcinogen) in very low concentrations, as well as the presence of petroleum hydrocarbons, and lead and thallium in the soil. The Town completed DEP-mandated cleanup efforts in July 2005. The Town sold this property to a developer in 2015, and there are plans to build a five-unit single family subdivision. In September 2017, wells on site tested positive for PAH compounds and elevated soluble arsenic and lead compounds. Further testing did not find lead or PAH, and arsenic was below DEP

reporting concentrations. A soil management plan was developed in response to the test results. As of this date, development is on hold for unrelated reasons.

Municipal Landfill & Waste Management

The Town of Millbury operated a 12-acre landfill for twenty years, from 1967 to 1987, processing 44 tons of solid waste per day. It is located on a piece of town-owned land along Riverlin Street, abutting Dorothy Pond and Dorothy Pond Recreation Area. The landfill permanently closed in 1995 and was capped, however the landfill is not lined. It is classified by the Department of Environmental Protection as a 'Closed Landfill with Environmental Monitoring Required. There are no known environmental issues associated with the landfill in its present state. The Town is in negotiations with a solar provider to lease out the capped land on top of the landfill for solar energy production. The Town should continue to monitor and maintain the landfill to ensure its safety.

Millbury also operates a Transfer Station at the same location as the landfill. It is a central location where residents can drop off solid waste, trash, and recycling. Private trash and recycling service is also available to residents for curbside pickup. From 2010 to 2016, the transfer station saw a 20% decrease in trash tonnage and a 15% decrease in recycling tonnage. Millbury has several campaigns to inform residents on best practices for trash and recyclable materials. The Town should continue to work with residents towards reducing its trash and recycling tonnage, which will further reduce the Town's environmental impact.

Wheelabrator is a municipal waste combustor, or waste-to-energy facility, located off Route 20 in Millbury. Opened in 1987, the Wheelabrator facility intakes over 450,000 tons of waste annually from Millbury and surrounding communities, generating 48 megawatts of electricity for the region. While the facility has consistently met Department of Environmental Protection emission limits, there have been ongoing concerns over the environmental and health impacts of the facility on the local community, particularly on downwind environmental justice communities. The Town should continue to work with applicable state agencies to ensure all compliance and safety standards are consistently met.

Erosion, Sedimentation & Development Impacts

Erosion and the resulting sedimentation of water supplies are issues that continue to plague Millbury's development sites. Land clearing and grading associated with construction leave soils susceptible to erosion. If not mitigated, these soils can find their way into streams, rivers and lakes during storm events, filling them in and adding pollutants that are attached to the soils. To help address this issue, in 2007 the Town adopted a General Bylaw entitled "Post-Construction Stormwater Management of New Developments and Redevelopments" that captures small to large-scale residential, commercial and industrial development projects that are not governed by the Town's Subdivision Rules and Regulations (similar provisions were previously incorporated into those regulations). The Bylaw sets standards to minimize the adverse impacts of

construction and reconstruction projects and enforces the provisions of the federally administered National Pollutant Discharge Elimination System (NPDES) requirements. With exceptions afforded to certain activities, such as agricultural uses and maintenance of existing landscaping, any activity that disturbs at least 5,000 square feet of soil or disturbs land with 15% or greater slope and the land disturbance activity is at least 2,000 square feet within the sloped area is subject to the regulations. Strict enforcement of these regulations, coupled with inspections of stormwater facilities while under construction, have successfully limited occurrences of erosion and sedimentation in developments since the adoption of these regulations. However, one type of development still poses a risk to water quality from erosion and sedimentation - solar farms.

Millbury is currently home to six solar farms and two additional farms are approved for construction but not yet built. The deforestation of slopes to make way for gravel access drives and solar arrays coupled with limited monitoring of sites after substantial completion of construction has resulted in erosion and sedimentation issues at most sites. The Planning Board is working with its engineering consultant, Stantec, and the solar developers to mitigate these issues through increased monitoring and use of alternative erosion control treatments and driveway surfacing options where steep slopes are present.

Invasive Species

Mitigating invasive species is a high priority regional goal in the MVP report. There are many types of invasive species in Millbury. In the ponds, invasive plants include curly-leaf pondweed and Eurasian milfoil. Some ponds, such as Dorothy Pond, are treated for invasive plants with herbicide. Others, such as Brierly Pond, have not consistently received the same attention. Drawing down the water level to expose the invasive species was suggested as a management approach.

Invasive plant species are a concern for many of Millbury's open space areas as well. Oriental bittersweet is particularly problematic for the Brierly Pond Conservation Area and other municipally-owned conservation areas because of its ability to choke out native plants, replacing them with monoculture. Oriental bittersweet vines wrap so tightly around large trees that they slowly strangle them. They also smother and uproot smaller trees. The targeted removal of oriental bittersweet and other invasive species from conservation lands would help bolster native species.

Between 2015 and 2019, Millbury and many communities throughout Central and Western Massachusetts suffered from a gypsy moth epidemic. According to an article that appeared in the Worcester Telegram & Gazette on June 10, 2019, from 2015 to 2017 the number of acres in Massachusetts defoliated by gypsy moths rose from 45,000 to approximately 900,000. A year later, a prolonged cool and wet spring resulted in a reduction in viable egg masses. Only 150,000 acres were defoliated by gypsy moths in 2018. Gypsy moths primarily eat oak leaves, leaving the species open to a range of secondary pests that eventually kill the tree. Millbury partnered with National Grid to remove more than 148 street trees in 2019 that died during the gypsy moth epidemic. The state does not fund gypsy moth reduction activities, however citizen education

and individual action could help mitigate the effects of gypsy moths. Overall, management plans for invasive species on town-owned properties, as well as citizen education, will help Millbury preserve its native biodiversity.

Environmental Equity

As of the 2010 U.S. Census, Millbury is home to an Income Environmental Justice (EJ) Community. Roughly located in Millbury Center and areas to the south, this EJ area is defined as having a population whose annual median household income is equal to or less than 65 percent of the statewide median (\$62,072 in 2010). The Upper and Lower Town Commons are the only open spaces located within the EJ area, although Windle Field and Washington Street Park abut the area. The Town should always be considering environmental equity when it is investing in open space and recreation resources. It should continue to make efforts to improve access to open spaces for the entire community but should pay particular attention to the EJ area when making decisions in the future.

Section 5 – Inventory of Lands of Conservation and Recreation Interest

Protected Land

Land that is owned by the town's Conservation Commission, a conservation land trust, the Massachusetts Department of Conservation and Recreation (DCR), water supply land, cemeteries, and private land that has a conservation restriction or Agricultural Preservation Restriction (APR) on its deed in perpetuity is considered protected. Additionally, land dedicated to park and recreation purposes in its deed is also protected open space. Its future as open space is assured. The protection of Millbury's open space resources is crucial because these landscapes help define the character of Millbury, reflect its past, provide crucial habitat for a diversity of wildlife and recreation opportunities for people, preserve the quality and quantity of Millbury's water resources, and absorb storm water and reduce flooding.

Conservation Land

The following table identifies the 1,204.8 acres of land in Millbury that is now permanently protected conservation and historic lands. The Open Space Inventory Map located in Appendix B shows the town's existing open space land, including protected and unprotected parcels. Conservation Commission-managed sites are also described in narrative form. Conservation land is protected by, among other mechanism, Chapter 97 of the Massachusetts Constitution, which provides protection against conservation and other lands being sold or put to a different use without the required legislative action. Since some of Millbury's permanently protected properties straddle municipal borders, including the Merrill Pond Wildlife Management Area, Martha Deering Wildlife Management Area and Metacomet Conservation Area, the Open Space Resources Map also shows protected open space resources in adjacent towns. Note the funding sources for the maintenance of conservation land include town appropriations and applicable state grants, a list of which can be found in Appendix F – Grant Resources.

Table 11 - Permanently Protected Lands in Millbury

Site Name	Owner/ Manager	Protection Status	Area	Recreation Potential	Current Condition	Public Access, Current Use & Funding Sources
Autumn Gate Conservation Area Map 56/23	Homeowner's Association / Conservation Commission	Permanently Protected – Conservation Restriction	8.6 acres	Low - Wetlands	Average	No Public Access; Wetland; N/A undeveloped
Brierly Pond Conservation Area Map 69/3, 69/16, 78/2, 79/22, 79/23, 79/24	Town of Millbury/ Conservation Commission	Permanently Protected – Conservation Land	114.6 acres	High – Trail development, passive recreation opportunities	Fair	Publicly Accessible; Trails, pond, picnic table, parking lot; Town appropriations,

						Conservation Fund, PARC grant
Casa Verde Village Conservation Area Map 5/131	Homeowner's Association/ Conservation Commission	Permanently Protected – Conservation Restriction	38.6 acres	Medium – Trail maintenance	Average	Publicly Accessible; Trails, parking lot; Homeowners Association
Coldbrook Conservation Area Map 48/60, 48/61	Town of Millbury/ Conservation Commission	Permanently Protected – Conservation Land	15.6 acres	Low – Wetlands	Average	Limited Public Access; Wetland; N/A undeveloped
Colton Road Conservation Area Map 31/36	Town of Millbury/ Conservation Commission	Permanently Protected – Conservation Land	125 acres	Medium – Trail maintenance	Average	Publicly Accessible; Trails/cart path; Town appropriations; Conservation Fund
Cronin Brook Conservation Area Map 39/86, 39/82	Town of Millbury/ Conservation Commission	Permanently Protected – Conservation Land	4.7 acres	Low – wetlands, steep slopes, irregular shape	Average	Limited Public Access; Wetland, steep slopes; N/A undeveloped
Davidson Sanctuary Map 67/2	Town of Millbury/ Conservation Commission	Permanently Protected – Conservation Land	28.5 acres	Medium – Trail maintenance	Good	Publicly Accessible; Marked trails, small parking area; Town appropriations, Conservation Fund, PARC
Hastings Conservation Area Map 7/6, 11/52	Town of Millbury/ Conservation Commission	Permanently Protected – Conservation Land	31.0 acres	High – Trail and parking area development,	Average	Publicly Accessible; Trails, abandoned railroad ROW; Town appropriations, Conservation Fund, PARC, MassTrails
Hayward Glen Conservation Area	Town of Millbury/ Conservation Commission	Permanently Protected – Conservation Land	11.1 acres	Medium – Trails and open space	Average	Limited Public Access; Undeveloped land; N/A undeveloped
Oakwood Heights Conservation Area Map 47/68, 47/81, 47/87, 47/96, 47/100	Town of Millbury/ Conservation Commission	Permanently Protected – Conservation Land	14.9 acres	Low – Wetlands	Average	Limited Public Access; Wetlands; N/A undeveloped
Park Hill Village Conservation Area Map 21/14, 21/14A	Homeowners Association/ Conservation Commission	Permanently Protected – Conservation Land	5 acres	Medium – Trail maintenance	Average	Limited Public Access; Unmaintained trail; N/A undeveloped

Salo Terrace Conservation Area Map 61/56, 61/126	Town of Millbury/ Conservation Commission	Permanently Protected – Conservation Land	8.2 acres	Low – No public access	Good	No Public Access; Undeveloped Land; N/A undeveloped
Soles Swamp Map 77/11-1	Town of Millbury/ Conservation Commission	Permanently Protected – Conservation Land	34.5 acres	Low – Wetlands	Good	No Public Access; Wetlands; N/A undeveloped
Stowe Meadows Map 58/4, 59/4, 59/13	Town of Millbury/ Conservation Commission	Permanently Protected – Conservation Land	150.5 acres	Medium – Trail maintenance	Fair	Publicly Accessible; Hiking trails; Town appropriations, Conservation Fund, PARC
Providence Road Cemetery Map 54/124	Town of Millbury/ Cemetery Commission	Permanently Protected - Cemetery	1.3 acres	Low - Cemetery	Good	Publicly Accessible; Cemetery; Town appropriations
Central/St. Brigids Cemetery Map 44/6, 53/9	Town of Millbury/ Cemetery Commission	Permanently Protected - Cemetery	18.6 acres	Low - Cemetery	Good	Publicly Accessible; Cemetery; Town appropriations
Dwinell Cemetery Map 34/15	Town of Millbury/ Cemetery Commission	Permanently Protected - Cemetery	.6 acres	Low - Cemetery	Average	Publicly Accessible; Cemetery; Town appropriations
West Millbury Cemetery Map 83/3	Private	Permanently Protected - Cemetery	3.7 acres	Low - Cemetery	Good	Publicly Accessible; Cemetery; Church; Private land owner
Merrill Pond Wildlife Management Area Map 93/6, 96/?, 97/4	Massachusetts DCR	Permanently Protected – Wildlife Mgmt. Area	29 acres	Low – No public access from Millbury	Average	Limited Public Access: Trails, hunting; State funds
Martha Deering Wildlife Management Area Map 24/26, 25/1, 40/14, 2 undesignated parcels	Massachusetts DCR	Permanently Protected – Wildlife Mgmt. Area	261.6 acres	Medium – trail maintenance and development	Fair	Publicly Accessible; Trails, small parking area; State funds
Metacomet Conservation Area Map 56/1	Metacomet Land Trust	Permanently Protected – Land Trust	45 acres	Low – Wetlands, no access	Average	No Public Access; Undeveloped land; Land Trust funding
S. Oxford/W. Main APR	Private	Permanently Protected – Ch. 61A	262.2 acres	Low – Private farmland	Good	No Public Access; Agricultural Land; Private land owners

Map 75/7, 75/9, 76/5, 76/11, 83/2, 83/42, 88/20		Agriculture land				
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The following is a description of Conservation Commission-owned parcels in the Town of Millbury. The other types of permanently protected lands are described in detail elsewhere.

Autumn Gate Conservation Area In 2019, this 8.6-acre property was acquired by the Conservation Commission as a Condition of Approval for the Autumn Gate Estates conventional subdivision. The bulk of the parcel is sensitive wetland and associated habitat, therefore it has minimal recreation potential. No access is provided. This parcel abuts land owned by the Metacomet Land Trust.

Brierly Pond Conservation Area This 114.6-acre property consists of Brierly Pond, a 23.1-acre site known as Kiwanis Beach, which was acquired as a potential swimming area, two additional parcels totaling 25 acres that were acquired in 2010 as part of the Saving Mount Ararat Initiative, and a 20.73-acre parcel that was conveyed to the Conservation Commission in 2015 in accordance with the Open Space Community Special Permit for the Brierly Pond Village Phase 2 development. The Brierly Pond Conservation Area is located north of West Main Street and east of Old Common Road. The forested site has approximately 540 feet of waterfront on Brierly Pond, providing opportunities for boating, fishing, picnicking, and ice skating, and a network of trails maintained by a mountain biking club. An informal parking area exists along West Main Street. As part of the Saving Mount Ararat Initiative, a volunteer constructed a second gravel parking area along Old Common Road to serve as a trailhead. Financed through a grant from the Blackstone Heritage Corridor, an interpretive sign explaining the history of the area and the Saving Mount Ararat Initiative was produced and installed at this location. Unfortunately, the sign was subsequently destroyed by vandals and has not yet been replaced. In 2010, the Conservation Commission completed the “Brierly Pond Conservation Area Land Use and Management Plan” and in 2012 the Conservation Commission was awarded a Forest Stewardship Grant enabling them to hire a forester to complete a “Forest Management Plan” for the property. As of 2020, the Conservation Commission has not hired a forester to actively manage the property largely due to the lack of staff capacity. The property has a large amount of bittersweet, an invasive plant, and would benefit from active management.

Casa Verde Village Conservation Area This 38.6-acre site was set aside as permanently protected open space by the developer of the Casa Verde Village - an Open Space Community. The land is owned by the Casa Verde Village Homeowner’s Association and the conservation restriction is held by the Conservation Commission. The

area consists of two parcels; the smaller 5.71-acre parcel is primarily a drainage area and the larger 32.92-acre parcel includes a gravel parking lot and a marked trail network.

*Coldbrook
Conservation Area*

This 15.6-acre site was set aside by the developer of the Village of Coldbrook Open Space Community subdivision. The land is permanently protected open space that was conveyed to the Conservation Commission upon completion of the subdivision. Although the open space contains frontage along Woodridge Lane, this wooded site is not currently used for recreation purposes. Due to the large percentage of wetlands on the site, it has low recreation potential.

*Colton Road
Conservation Area*

This 117-acre site links the Cronin Brook Conservation Area to the Martha Deering Wildlife Management Area, providing a continuous green corridor that ultimately extends into the Town of Grafton. The parcel consists of forested hills that are crossed by two power line right-of-ways which provide some habitat diversity and walking opportunities. The northwest corner of the site abuts wetlands that are associated with Dorothy Brook. The site contains a network of trails and is owned by the Conservation Commission. Access is provided via Colton Road.

*Cronin Brook
Conservation Area*

Two parcels totaling 4.7 acres were conveyed to the Conservation Commission in conformance with the Cronin Brook Heights Definitive Plan decision. These parcels contain an emergency access road, stormwater facilities for the subdivision and wetlands. They constitute a small open space buffer between homes and provide no real recreation potential, except that the parcel abuts both the Colton Road Conservation Area and the Martha Deering Wildlife Management Area.

*Davidson
Sanctuary*

This 28.5-acre parcel is also known as the Fay Grant Bird Sanctuary. It is located in West Millbury on West Main Street between Stone Road and Stowe Road. The site has woodlands, streams, rolling and some steep hills, and a spring. It is adjacent to other woodlands, pasture, and cropland which give the total area much wildlife diversity. The lowest point at the eastern end of the site abuts a wetland that flows into Ramshorn Brook. In November 2007, the Wheelabrator Group of the Millbury Junior High School obtained permission from the Conservation Commission to use the Sanctuary as the focus for a school project aimed at enhancing its usage. Their project included installing new signage closer to the road, cleaning up trash, removing debris to make the trails more passable, clearly marking the trails, and improving community awareness of the facility. Thirteen years later, the property is in need of additional maintenance. The trails are overgrown and need to be remarked and could benefit from invasive plant removal.

Hastings

This property consists of a 4-acre parcel with frontage on Grafton Road and

<i>Conservation Area</i>	a non-contiguous 27-acre parcel with a significant amount of frontage on Hastings Avenue. Landowners donated these parcels to the Conservation Commission in 2011. A power line right-of-way bisects these parcels and provides opportunities for hiking. Both parcels also abut an abandoned railroad right-of-way that is currently owned by the Massachusetts Department of Transportation and Construction and has potential as a formal paved multi-purpose trail. In its current condition, the right-of-way is a popular corridor for walking, mountain biking and motorized vehicles. The parcel with frontage on Grafton Road has potential as a parking area/trailhead for this multi-purpose trail. For this reason, both parcels are valuable for their recreation potential.
<i>Hayward Glen Conservation Area</i>	This 11.1-acre site was set aside as open space by the developer of the Hayward Glen II Open Space Community subdivision. The land is permanently protected open space that was conveyed to the Conservation Commission upon completion of the subdivision. The open space consists of four non-contiguous parcels that have frontage on subdivision roadways. A large proportion of the largest parcel, which consists of approximately 8 acres of land and contains frontage on the Matthew Circle cul-de-sac and Brian Circle cul-de-sac, is bisected by a power line right-of-way. Two other parcels are rather small in size but enjoy some usage by neighborhood residents for recreation purposes due to their open nature. The open space parcel at the terminus of the Jaclyn Rae cul-de-sac has been landscaped by the abutting property owner and appears to be used as an extension of his backyard.
<i>Oakwood Heights Conservation Area</i>	This 15-acre site was set aside as open space by the developer of the Oakwood Heights Open Space Community subdivision. The land is permanently protected open space that was conveyed to the Conservation Commission upon completion of the project. The open space consists of five mostly contiguous parcels that have frontage on subdivision roadways. The parcels are mostly wetland, and thus have little to no potential as recreation resources.
<i>Park Hill Village Conservation Area</i>	This 5-acre site was set aside as open space by the developer of the Park Hill Village Open Space Community subdivision. The land is permanently protected open space that was conveyed to the Park Hill Village Homeowner's Trust. The Conservation Commission holds a conservation restriction on the property. The conservation restriction ensures that the property is used solely for open space and recreation purposes. The open space consists of two non-contiguous parcels that have frontage on subdivision roadways. A hand-blazed trail was constructed on the property by the developer prior to conveyance. Although largely wooded, a portion of the open space was cleared to enable use as a playing field.

Currently, the hand-blazed trail is no longer visible, and the playing field does not appear to be maintained. Public access to the site is not marked.

*Salo Terrace
Conservation Area*

This 8.2-acre site was set aside as open space by the developer of the Salo Terrace Open Space Community. The land is permanently protected open space that was conveyed to the Conservation Commission upon completion of the project. The open space consists of two non-contiguous parcels. One parcel contains frontage on Salo Terrace, a large portion of which is devoted to a detention basin. The second parcel, which is heavily wooded, is landlocked. The open space in this development is of low recreation potential.

Soles Swamp

This 34.5-acre site is located astride Ramshorn Brook south of Carleton Road. The site is entirely forested wetlands that are part of the wetlands associated with Ramshorn Brook. The site has no facilities, low recreation potential and is owned by the Conservation Commission.

Stowe Meadows

This 150.5-acre site is also known as the Stowe-Day Sanctuary. It is located in West Millbury between Stowe Road, Auburn Road and Carleton Road. The site consists of forested hills, a portion of Ramshorn Brook with its associated wetlands, a spring, a massive stone and earth dam, and a small mill pond. The site has an extensive network of marked trails popular amongst horseback riding enthusiasts and is owned by the Conservation Commission. It is in generally excellent condition. The stone dam is an impressive historic structure. The site is not easily accessible as there are no signs identifying the property, no obvious trailhead and no off-street parking facilities. The site, which has great potential as a passive recreation area, would benefit from signage, off-street parking facilities, marked trails, and a map of the trail facilities.

Recreation Land

The town's parks and playgrounds are permanently protected by restrictions on their deeds and through Article 97 from the Massachusetts Constitution. Washington Street Park, home to the Woolie World playground, is further protected through recorded PARC Project Agreements in 2013 and 2020, permanently protecting it as parkland. The following table identifies the 332.5 acres of land in Millbury that are classified as recreation land. Note the funding sources the maintenance of recreation land include town appropriations and applicable state grants, a list of which can be found in Appendix F – Grant Resources.

Table 12 - Recreation Lands in Millbury

Site Name	Owner/ Manager	Protection Status	Area	Recreation Potential	Current Condition	Public Access, Current Use & Funding Sources
Butler Farm Map 91/1, 91/13,	Town of Millbury	Permanently Protected – Chapter 97 Parkland	79.6 acres	High – Trails, community garden	Good	Publicly Accessible - Dog park, office/meeting space, trails, community garden; Butler Farm Reuse Committee & Dog Park funds; Town appropriation, PARC; Urban Agriculture Grant Program
Dorothy Pond Recreational Area Map 31/27	Town of Millbury/ Parks Commission	Permanently Protected – Chapter 97 Parkland	21.6 acres	High – Walking paths, paved parking area, sitting and fishing areas	Fair	Publicly Accessible - Walking and biking trails, fishing; Town appropriation, PARC, MassTrails
East Millbury Park Map 6/20	Town of Millbury/ Parks Commission	Permanently Protected – Chapter 97 Parkland	5 acres	High – Recreational fields and play equipment	Fair	Publicly Accessible - 2 ballfields, 2 basketball courts, tot lot, picnic tables; Town appropriations, PARC
Greenwood Street Playground Map 19/17	Town of Millbury/ Parks Commission	Permanently Protected – Chapter 97 Parkland	9.7 acres	High – Recreational fields and play equipment	Fair	Publicly Accessible - Ballfield, soccer field, basketball court, swings, picnic tables; Town appropriation, PARC
James Drenzo Playground Map 23/43	Town of Millbury/ Parks Commission	Permanently Protected – Chapter 97 Parkland	.4 acres	High – Recreational fields and play equipment	Fair	Publicly Accessible - Basketball court, tot lot; Town appropriation, PARC
Oliver Perry Park Map 24/9	Town of Millbury	Permanently Protected – Chapter 97 Parkland	4.0 acres	Medium – Open space, benches	Fair	Limited Public Access - Undeveloped land; Town appropriation, PARC
Town Common Map 53/85	Town of Millbury	Permanently Protected – Chapter 97 Parkland	.5 acres (.5 acres)	Medium – Programming	Good	Publicly Accessible - Benches, walking paths, pedestrian plazas; Town appropriation, PARC, Complete Streets, MassWorks,

Washington Street "Woolie World" Playground Map 62/14	Town of Millbury/ Parks Commission	Permanently Protected – Chapter 97 Parkland, 2013 & 2020 PARC Grant Protection	5 acres	High – Recreational fields and play equipment	Good	Publicly Accessible - Ballfield, batting cage, 2 basketball courts, tot lot, concession stand, meeting space, benches, picnic tables; Town appropriation, PARC
West Millbury Playground (Jacques Field) Map 77/7, 77/11-1	Town of Millbury/ Parks Commission	Permanently Protected – Chapter 97 Parkland	14.5 acres	High – Upgraded fields and other amenities	Average	Publicly Accessible - Soccer and baseball fields, parking lot; Town appropriation, PARC
Windle Field Map 46/142	Town of Millbury/ School Department	Permanently Protected – Chapter 97 Parkland	5 acres	High – Renovated & expanded fields, courts, parking area	Fair	Publicly Accessible - Lighted football/soccer field, 2 baseball fields, basketball court; Town appropriation, MSBA

Agricultural Lands

A major contributor, along with forest lands, to the town's rural character is its agricultural lands. One farm (262.2 acres), listed above, has placed its land in the permanently protected category by selling future development rights to the Agricultural Preservation Restrictions (APR) Program. Many others participate in the tax abatement program established under The Farmland Assessment Act (Chapter 61), which allows qualifying forest, agricultural and recreational lands to be taxed at their use value rather than full market value. If a landowner intends to sell the classified land or convert it to another use, town officials must be notified by certified mail. The town is granted the right of first refusal to purchase the property and a tax penalty is assessed upon removal of the land from the program. The following table identifies the 910 acres of agricultural and forest land that is currently enrolled within Millbury's Chapter 61 program.

Table 13 - Protected Agricultural Lands in Millbury

Site Name	Owner	Area	Primary Purpose	Zoning	Public Access/ Land Uses
90 Auburn Road Ch. 61 Map 49/ 1	Private	6.75	Forest	S-1	Forest
Auburn Road Ch. 61 Map 49/ 7	Private	33.45	Forest	S-1	Forest & Pond
40 Auburn Road Ch. 61A Map 50/ 5	Private	105.00	Agriculture	S-1	Pasture & Forest

Backstrad Road Ch. 61A Map 75/ 9	Private	94.5	Agriculture	S-1	Cropland & Forest
5 Backstrad Road South Ch. 61A Map 82/ 2	Private	49.86	Agriculture	S-1	Pasture & Cropland
Carleton Road Ch. 61A Map 67/ 12	Private	6.07	Agriculture	S-1	Orchard
Carleton Road Ch. 61A Map 67/ 13	Private	3.9	Agriculture	S-1	Pasture
83 Carleton Road Ch. 61A Map 76/ 16	Private	1.5	Agriculture	S-1	Orchard
79 Carleton Road Ch. 61A Map 76/ 33	Private	20.65	Agriculture	S-1	Pasture
6 Davis Road Ch. 61A Map 89/ 4	Private	16.53	Agriculture	S-1	Pasture & Cropland
6 Davis Road Ch. 61A Map 89/ 43	Private	10.1	Agriculture	S-1	Pasture & Cropland
Federal Hill Road (Oxford) Ch. 61A Map 92/ 2	Private	8	Agriculture	S-1	Pasture & Forest
Fjellman Road Ch. 61A Map 76/ 5	Private	68.2	Agriculture	S-1	Forest, Pasture & Cropland
10 Glover Road Ch. 61A Map 83/ 19	Private	50.74	Agriculture	S-1	Forest, Pasture & Cropland
428 Greenwood Street Ch. 61A Map 43/ 1	Private	75.42	Agriculture	S-1	Pasture & Forest
South Oxford Road Ch. 61A Map 81/ 16	Private	10	Agriculture	S-1	Pasture & Forest

38 South Oxford Road Ch. 61A Map 82/ 1	Private	15.62	Agriculture	S-1	Pasture
South Oxford Road Ch. 61A Map 87/ 1	Private	15	Agriculture	S-1	Forest
South Oxford Road Ch. 61A Map 88/ 20	Private	52	Agriculture	S-1	Forest
South Oxford Road Ch. 61A Map 88/ 38	Private	7.46	Agriculture	S-1	Pasture
South Oxford Road Ch. 61A Map 88/ 56	Private	10	Agriculture	S-1	Cropland
South Oxford Road Ch. 61A Map 92/ 4	Private	15	Agriculture	S-1	Forest
South Oxford Road Ch. 61A Map 83/ 2	Private	16.24	Agriculture	S-1	Pasture
Stowe Road Ch. 61A Map 58/ 3	Private	10.05	Agriculture	S-1	Forest
Stowe Road Ch. 61A Map 58/ 4A	Private	12	Agriculture	S-1	Orchards & Pasture
15 Stowe Road Ch. 61A Map 67/ 6B	Private	55.1	Agriculture	S-1	Forest, Orchard & Pasture
342 West Main Street Ch. 61A Map 67/ 5	Private	1	Agriculture	S-1	Forest
West Main Street Ch. 61A Map 76/ 17	Private	2	Agriculture	S-1	Orchard & Pasture
West Main Street Ch. 61A Map 76/ 19	Private	6.84	Agriculture	S-1	Orchard
269 West Main Street	Private	32.72	Agriculture	S-1	Cropland

Ch. 61A Map 84/ 13					
West Main Street Ch. 61A Map 76/ 11	Private	32	Agriculture	S-1	Forest, Pasture & Cropland
Dolan Road Ch. 61A Map 90/ 2	Private	57	Agriculture	S-1	Forest & Cropland
Dolan Road Ch. 61A Map 94/ 59	Private	9.49	Agriculture	S-1	Forest & Cropland

Water Supply

Millbury's water is provided by a private non-profit corporation, the Aquarion Water Company, which owns several parcels of land for water supply, protection and distribution purposes. The following table identifies the 84 acres of water supply land in Millbury. Because of its importance for ensuring good water quality, this land is considered permanently protected.

Table 14 - Water Supply Areas in Millbury

Site Name	Owner	Area	Primary Purpose/ Open Space Potential	Zoning	Public Access/ Land Uses
Aquarion Water Co./ Oak Pond Map 10/35, 10/36, 10/37	Non-profit	2.2 acres	Water Supply Low	S-IV	Yes Forest, well
Aquarion Water Co./Howe Ave. Pumping Station Map 37/67, 38/1, 38/6	Non-profit	55.2 acres	Water Supply Low	S-IV, R-I, & I-1	Yes Forest, pond, wetland, power line
Aquarion Water Co./35 Millbury Ave. Map 38/34	Non-profit	3 acres	Water Supply Low	I-I	No Well, water treatment facility
Aquarion Water Co./Burbank Reservoir Map 79/54	Non-profit	3 acres	Water Supply Low	S-II	Yes Storage Facility
Aquarion Water Co./Sutton Road Map 79/106	Non-profit	.23 acre	Water Supply Low	S-II	No Pumping Station

Aquarion Water Co./ Blackstone River Map 36/14A, 36/14, 44/14	Non- profit	20.4 acres	Water Supply Medium	R-1	Yes Forest, river, wetland, wells, water treatment facility
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Unprotected Lands

The table below represents several parcels of open space for which the status of the land is unprotected or unclear. While most, if not all, of these parcels have continued to operate as open space for years, they are not necessarily bound by law or statute to remain as open space or recreational areas indefinitely. It would be prudent to get more information on the protected status of several of these properties, particularly the Blackstone River Bikeway, which is owned and maintained by the state but its protected status remains unclear. The Town may also consider establishing conservation restrictions or Chapter 97 status on several town-owned properties and properties owned by local non-profits.

Table 15 – Unprotected Open Space in Millbury

Site Name	Owner/ Manager	Protection Status	Area	Recreation Potential	Zoning	Public Access & Current Use
Blackstone River Bikeway Map 36/8, 36/20, 36/21, 36/22	Massachusetts Department of Transportation	State-owned, protected status unclear	4.5 acres	High – Maintain existing trails and complete additional sections of Bikeway	B-II, S-IV, R-I	Publicly Accessible - Multi-purpose, separated bike trail, parking area maintained by MassDOT
Dorothy Manor School Map 23/1	Town of Millbury	Unprotected, town-owned vacant property	1.5 acres	Medium	S-IV	Not Accessible – Vacant former daycare center with field and tot lot
Millbury Youth Camp Map 62/124	Millbury Youth Camp	Unprotected, non-profit youth camp	13.5 acres	Recreation Medium	R-I	Limited Accessibility Camping/meeting facility, trails
Lake Singletary Access Ramp Map 85/38	State Public Access Board	State-owned, protected status unclear	.7 acres	Recreation High	S-I	Publicly Accessible -Paved boat ramp, parking for 20 cars
Ramshorn Dam Access Ramp	Town of Millbury/ DPW	Town-owned, protected status unclear	--	Recreation High	S-1	Publicly Accessible -Paved canoe boat ramp, benches, parking
Millbury Memorial High School Field Map 36/95	Town of Millbury/ School Department	Town-owned, unprotected	30 acres	Recreation High	R-I	Publicly Accessible - Football field, 2 ballfields, track, open field

Elmwood Street School & Shaw School Map 61/1	Town of Millbury/ School Department	Town-owned, unprotected	151.2 acres	Recreation High	R-II	Publicly Accessible - 2 basketball courts, soccer field, 2 ballfields, open field, tot lot
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Unknown Owners

Several parcels in Millbury have unknown owners, most do not have numbered addresses or frontage on a right-of way. These parcels could represent an opportunity for the town to increase its open space holdings, by taking ownership of the land through tax title. Although work would be required to clear the titles of these parcels, the lands could be valuable additions to the town's open space properties. These properties could provide wildlife habitat, and some could possibly be used for passive recreation.

Table 16 – Unknown Parcels in Millbury

Street/Location	Area* (acres)
Scott Street	0.75
Wales Street	1.40
Landlocked by Pike	9.30
Acworth Street	0.10
McArthur Drive	0.40
Hillside Avenue	1.00
Hastings Avenue	0.52
Woodrow Road	0.09
Town line and Hawthorne	0.33
Elmwood	0.11
Rogers Street	0.67
Rogers Street	0.23
North Main Street	0.14
North Main Street	0.05
Manilla Street	0.24
Off Stowe Road on Auburn Line	2.90
Carleton Road and Carlstrom Lane	0.11
Sycamore	0.55
Off South Main Street	0.40
Old Road off Providence Street	2.50
Old Road off Providence Street	3.00
Behind Gilbert Way	Unknown
Off Davis Road	Approx. 42.46
Landlocked off Davis Road	3.80
Dorothy Road	0.10

*Areas from Assessors records.

Key Existing and Potential Open Spaces

Below is selection of expanded information on a few properties that are of particular interest to local citizens for their recreation potential. Several of these properties represent unprotected open space or opportunities to add additional open space to the Town's inventory:

Blackstone River Bikeway: The Blackstone River Bikeway is a proposed 48-mile bikeway that will ultimately connect Worcester, Massachusetts, to Providence, Rhode Island. In Massachusetts, the Bikeway will follow the Blackstone River through the communities of Worcester, Millbury, Sutton, Grafton, Northbridge, Uxbridge, Millville, and Blackstone. The Bikeway consists of both on- and off-road segments and has been designated an official section of the East Coast Greenway, a 2,600-mile bikeway that extends from Maine to Florida. There are two completed sections of the Bikeway currently. In 2016, a 4.2-mile segment was completed as an off-road multi-use path in Blackstone, Millville, and Uxbridge. The segment of the Bikeway that is located in Millbury is within the Route 146 Connector Project (Segment 6), a 2.5-mile segment linking the newly constructed Blackstone Heritage Corridor Visitor Center in Worcester, which opened in 2018, to the parking lot at the Route 146/122A interchange in Millbury. There is also a parking area on Millbury Street in Worcester. Millbury citizens anxiously await

completion of the design and construction of Segment 5, which will link the terminus of the existing bikeway to Tri-Centennial Park in Sutton. In 2005, the design of the 16-mile portion of Bikeway that extends from Millbury to Uxbridge (segments 3, 4, and 5) was authorized through a Five-Year Federal Transportation Bill known as SAFETEA-LU. In 2007, MassHighway signed a contract with Parsons Transportation Group to design those segments, but the contract was terminated before the work was completed due to cost. In 2017, the Blackstone River Valley National Heritage Corridor engaged the services of Fuss & O'Neill to address the creation of segments 3, 4 and 5. This plan acknowledged the challenges that these segments face, including land acquisition and environmental issues. The biggest obstacle for construction of Segment 5 in Millbury and Sutton appears to be financial given the high cost of building an off-road facility within the flood plain of the Blackstone River. It is unclear when and if the remaining segments of the bikeway in Millbury, Sutton, Grafton, and Northbridge will be built.



Blackstone River Bikeway



Millbury Branch Rail Trail: Creation of the Millbury Branch Rail Trail, which extends from Millbury Center to the Wyman-Gordon Company in North Grafton, was championed by the citizens of Millbury in the late 1990s and early 2000s. The 2-mile railroad right-of-way linking the Dorothy Pond Recreational Area, Deering Estate Wildlife Management Area and the Blackstone River Bikeway is currently owned by the Massachusetts Executive Office of Transportation (EOT). In 2002, the Town of Millbury commenced negotiations with the EOT to transfer ownership of the abandoned right-of-way (ROW) so that it can be used as a multi-purpose trail; however, negotiations have been unsuccessful to date. Despite this, the trail, which is wide and well-groomed along much of its length, enjoys a substantial amount of use among hikers and those driving motorized recreation vehicles.



Millbury Branch Rail Trail

Dorothy Pond Recreational Area: Located on the west side of Riverlin Street, surrounding Little Dorothy Pond, the 21.6-acre parcel currently provides access to the proposed Millbury Branch Rail Trail. In 2002 the Town engaged Carr, Lynch and Sandell, Inc. to prepare a plan and cost estimate for its future use, which included construction of an access driveway with drop off, parking area for up to 40 cars including handicap spaces, restroom facilities, a beach area, timber fishing pier, canoe launch, open area able to be flooded for winter ice skating, accessible pathway system, and trail system through the woods that would link to the proposed Millbury Branch Rail Trail. With the exception of the trail network, the proposed facilities were never constructed, largely due to Little Dorothy Pond's poor water quality.



Dorothy Pond Recreation Area

Blackstone Canal: Constructed between 1824 and 1828, the Blackstone Canal was a major transportation and economic corridor between Worcester, Massachusetts and Providence, Rhode Island. However, the construction of the Providence & Worcester Railroad in 1847 rendered the canal largely superfluous as a transportation route. In 2003, the Canal was included on the list of the Ten Most Endangered Historic Resources compiled by Preservation Massachusetts, the statewide nonprofit organization dedicated to preserving the Commonwealth's historic and cultural resources. Under the sponsorship of the John H. Chafee Blackstone River Valley National Heritage Corridor and the Worcester Historical Museum, Vanesse Hangen Brustlin, Inc. completed the "Blackstone Canal Preservation Study" in September 2005, which traces the layout of the Canal in eight Massachusetts communities and provides valuable recommendations for



Blackstone Canal Remnants

restoring, preserving and enhancing portions of the Canal. In Millbury, the Study states that the only visible section of the Blackstone Canal that remains is in the Cross Street-Grafton Street Area. This approximately one-mile long segment meanders through a largely undeveloped portion of eastern Millbury. In addition to 1.6 miles of discernable Canal towpath, Millbury contains the remains of one lock structure (Lock #35) and a Canal mile marker (Mile Marker #37). The Study appears to overlook a 500-700-foot portion of the canal behind Windle Field and Cordis Mill Pond where the towpath and some of the prism are still visible. A Millbury resident whose property abutted the canal, championed the preservation of the canal remnant and spent a significant amount of time and money clearing the area of debris and establishing a trail. Unfortunately, his death in 2018 coupled with the sale of the Cordis Mills apartment complex in 2019 has left this area without a citizen advocate and its preservation and maintenance in doubt. The Town may wish to approach the new owner of Cordis Mills about acquiring an access easement so that the trail and canal remnant can be enjoyed by the public for interpretation and recreation purposes. If this is, in fact, a remnant of the canal then it is a historic resource worth protecting.

Butler Farm: Located at 44 Singletary Road, across from Lake Singletary, the 50.5-acre Butler Farm was purchased by the Town of Millbury in 2000 for \$300,000. In 2013, the Town acquired the gift of an additional 15 acres from the owner of the solar farm located at 29 McGrath Road, bringing its total acreage to 65.5 acres. The Butler Farm, which is managed by the Butler Farm Reuse Committee, contains a Cape-style farmhouse which serves as an office for the town's emergency management supervisor, a "repeater pole" which is instrumental for coordinating fire, police and ambulance emergency communications. The property also includes a fenced-in 1 ½-acre fenced dog park known as the Butler Farm Bark Park, a community garden, the remnants of an orchard, two parking areas, and trails. The Butler Farm Bark Park was completed



Butler Dog Park

in 2016 utilizing design and construction funds from the Stanton Foundation and approximately \$15,000 in fundraised monies. The dog park contains a wooden pavilion, benches, agility equipment and is financially supported by an annual membership of approximately 300 dogs from Millbury and surrounding communities and annual fundraisers. The Millbury Dog Park Committee oversees the operation and maintenance of the dog park and coordinates fundraising activities. The farmhouse, which is located on a hillside, affords a broad vista of the lake. The property includes a small waterfront parcel on the opposite side of Singletary Road that contains a small gravel parking lot and two benches. Access to the water from this parcel is limited by the steepness of the slope descending to the water's edge and a fence.

Both the Butler Farm and Dorothy Pond Recreation Area were identified as a Priority Heritage Landscapes by residents during an information meeting held in March 2007. As such, a site visit and planning assessment were conducted of the property and specific recommendations were included in the "Millbury Reconnaissance Report", a document funded by the Massachusetts Heritage Landscape Inventory Program in association with the John H. Chaffee Blackstone River Valley National Heritage Corridor and the Quinebaug and Shetucket Rivers Valley National Heritage Corridor.

East Millbury Park: Located on Wheelock Avenue, East Millbury Park is an important recreation site, situated in a dense neighborhood. The park includes 2 ballfields, 2 basketball courts, a tot lot and picnic tables. Recent improvements include paving of the parking lot in 2018. The park is an important community resource, however many elements need attention. The basketball courts are cracked and the nets are broken, parts of the fence around the park and the wooden bleachers are in poor condition. Due to its location in a high-density residential area, this park should be improved and maintained. Also, the park would benefit from the installation of play equipment for older children, such as a climbing structure.

Windle Field: This 5-acre site, which includes a lighted football/soccer field, 2 baseball fields and a tennis court, is owned by the Town and managed by the school department. The tennis court is in deplorable condition and has not been a functional space for more than twenty years. A master plan was developed for the site over 10 years ago. This plan included new fields, courts and a field house. However, due to funding and use issues, the plan's goals have not come to fruition. Windle Field's uses extend far beyond sports, including community events such as an annual carnival and Fourth of July fireworks display. This varied usage presents challenges to certain types of improvement. In 2012 and 2013, a local high school student led a beautification effort that included cleaning the field, replacing benches and bleachers, repainting a fieldhouse including the installation of a mural, and updating the concession stand. In 2018 some improvements were made to the facilities, including installation of a new scoreboard, new bathroom and kitchen fixtures in the field house, and an upgrade to the electrical panel.

Upper and Lower Commons: The Commons, a half-acre park in the center of downtown, is an important recreational anchor for Millbury. Located in the environmental justice area, the Commons offer benches and green space, as well as an electronic message board about local happenings. The Commons are a gathering spot in town, used for community events such as the Federated Church's Annual Block Party, summer concerts and the Chain of Lights. The

Commons are currently under renovation as part of the Armory Village Revitalization Project. The new design features beautiful new landscaping, pedestrian plazas, new ADA-compliant walkways, accent lighting, seating, a four-dial clock, bicycle amenities, and an array of low impact design features including rain gardens, flow-through planters, and porous pavers that will infiltrate and cleanse stormwater from adjacent roadways.

Section 6 – Community Goals

Description of Process

The process of collecting community input for the 2020 Open Space and Recreation Plan coincided with the collection of community input for the 2019 Comprehensive Master Plan. This allowed the Town to take a deeper look at resident opinions and hopes for the future than might normally occur during a typical Open Space and Recreation Planning process.

Phase I – Defining the Vision (2016)

In 2016, with the assistance of a consultant team led by Community Circle, the Town launched a visioning process that ultimately resulted in a shared vision for Millbury's future. A town-wide public forum was held at the Senior Center to collect resident concerns and desires regarding Millbury's future and additional focused visioning sessions were held with senior citizens and Millbury High School honors students to ensure that their voices were heard. Millbury's business owners were asked to complete an online survey and a website (MySidewalk) was set up to collect comments. These activities informed the *Vision for Millbury's Future*, which in turn informed the Master Plan and Open Space and Recreation Plan goals.



Master Plan Visioning Session

Below are the key excerpts from the visioning sessions are listed below. These sentiments helped summarize the participant's ideas and takeaways that would help to inform the Master Plan:

- ❖ *A desire to preserve the small town feeling while revitalizing the downtown.* There was some nostalgia over the fact that the downtown used to be more vibrant and included a diner that was affordable and acted as a gathering place.

- ❖ *An interest in improving transportation and circulation.* Methods to achieve this included improving roads, constructing a more thorough sidewalk system, and completing the Blackstone River Bikeway.
- ❖ *A wider range of housing would support people through various stages of the life cycle.* Multi-family housing was especially desired in the downtown, as well as more choices for seniors to age in place and young families to live.
- ❖ *An appreciation for Millbury's natural features and historic structures.* Residents voiced a desire to preserve and protect natural and historic resources, as well as increase access to them.
- ❖ *Additional services, programs, and opportunities for the increasing senior population, youth, and the disabled.* Concerns voiced included providing affordable housing in an appropriate size and location, adequate school buildings and opportunities for recreation for youth, and additional opportunities for the disabled community.

A desire for beautification and maintenance of public and private properties, especially in the downtown, but also throughout the Town.

A Vision for Millbury's Future:

IMAGINE...Millbury's town center transformed into a beautiful and bustling downtown filled with restaurants, shops and a family diner. Capitalizing on its compact layout, the center has a cohesive sense of place, a park for gathering, sidewalks and adequate parking. An improved downtown where residents go to run errands, meet each other and participate in Town and business-organized events such as block parties, concerts on the Common and other events.

IMAGINE... a Millbury that is not only easy to get to due to its excellent highway access, but is also easy and safe to get around because the road network is improved and a sidewalk system is constructed and the bike path is completed so that walking and biking are safe alternative modes of transportation as well as enjoyed for recreation. This will provide opportunities to improve the health and wellness of Millbury residents.

IMAGINE... A Millbury with an increased tax base and more job opportunities as a result of retaining existing businesses and attracting new ones by providing incentives for them to come to Millbury's downtown, industrial parks, and office parks.

IMAGINE... a Millbury that supports residents of all ages and throughout the life cycle. A Millbury that recognizes the special needs of its younger residents and is concerned about providing services, programs, and opportunities for the increasing senior citizen population.

IMAGINE... a Millbury that provides a wide range of housing to accommodate people at different stages in the lifecycle as well as with a wide range of income levels. Multi-family housing in the downtown as well as elsewhere provides options for young couples and elderly wanting to age in place by downsizing.

IMAGINE... a Millbury with its beautiful parks, lakes and ponds, farms and other open spaces and natural features protected and maintained for resident's active or passive enjoyment because the Town's natural resources are made accessible to its residents and visitors alike.

IMAGINE... a Millbury that protects and preserves its historic buildings, protecting the Town's character and promotes an understanding of its unique history. New developments will consider Millbury's character throughout their design process.

IMAGINE... a Millbury where both public and private properties are well maintained, where landlords are held accountable for the upkeep of their property and the Town's facilities are upgraded. Increased tree planting and other landscaping helps beautify the downtown and other areas.

IMAGINE... a Millbury where residents delight in all these improvements while continuing to enjoy the small town feeling they so appreciate. The improved downtown, increased access to recreation and natural resources will provide even greater opportunities to experience the close-knit community that is Millbury.

Phase II – Public Participation (2018)

In spring 2018, a Master Plan Survey, prepared by the Master Plan Committee and administered by Dr. Melinda Tarsi and her graduate students at Bridgewater State University as part of a Master of Public Administration Program, was mailed to all households in the Town of Millbury. The survey was also distributed via a web link. The survey included questions aimed at eliciting opinions from residents about a range of issues, including recreation and conservation issues. Views were solicited about Millbury's recreation resources, as well as the preferred pattern of growth and the importance of preserving the community's historic buildings, open spaces and natural resources. Questions helped determine resident's perceptions of Millbury and information about the respondents themselves. Nine hundred seventy-one surveys were collected between both methods of delivery, which constitutes a 19% response rate. Two hundred and six surveys contained written comments in the open-ended answer portion of the survey. While some comments were brief expressions of thanks for taking the time to ask citizen opinions about a range of issues, others wrote about life in Millbury and provided suggestions for improvement. The comments were diverse, insightful, and often presented a clearer picture of what people think than the statistics alone can convey.

Once the community vision was formulated and the survey results tabulated, two additional public forums were held in June and October 2018. These forums enabled residents to react to

the survey results and provide insight into priorities, initial recommendations, and actions of the Master Plan. The June forum was held at the Senior Center, which is adjacent to an environmental justice area, and was attended by 65 individuals. The October forum was held in the Junior/Senior High School's media room and attended by approximately 40 individuals. The survey coupled with the community forums were instrumental in shaping the goals, recommendations, and actions that appear in this Open Space and Recreation Plan Update. The final results of the survey and public forums appear in Appendix A.

Goals and Objectives

The very process of identifying open space areas that may be properly developed and those that should be kept natural or permanently open (with gradations in between) underscores the necessity of producing a strategy for balancing economic development, social and ecological needs. It is not solely a question of choosing between people and nature, rather it is a matter of determining the best location for each use, including open space, and preventing the premature and thoughtless loss of key resources. The Town's natural and open areas are essential elements in the economic, historic, cultural, and ecological fabric of Millbury. If adequately protected and thoughtfully managed, these areas can be enjoyed by future generations.

Through community forums and the comprehensive survey, Millbury residents expressed their open space and recreation goals. These are to:

- ❖ *Maintain and protect the town's open space and recreation facilities through improved regulatory controls, acquisition of additional open space, and infrastructure upgrades.*
- ❖ *Broaden public awareness of Millbury's recreational resources.*
- ❖ *Integrate the preservation of Millbury's historic character into economic development, housing, and open space policy/regulatory framework.*

Section 7 – Analysis of Needs

Summary of Resource Protection Needs

The 2018 Master Plan Survey, as described in Section 6, gave insight into the priorities and goals of Millbury residents. The Survey reveals that most respondents, a majority of whom are long-time residents (70% having lived in Millbury for more than 10 years) think that it was important to preserve open spaces. When asked to identify Millbury's three most important assets, Millbury's location was received the highest score, followed its natural features and open spaces second and affordable housing third. Eighty-five percent of respondents felt that it is important or very important to protect open spaces for water supply needs, followed by recreation purposes (79%), farming (70%), conservation purposes (70%), and scenic vistas (56%). Respondents also support protecting buildings and sites of historic interest (71%).

Disappearing wildlife habitat and forests, degradation of Millbury's drinking water supplies, water bodies and wetlands, and the destruction of the town's character were identified as Millbury's most critical open space related problems by survey respondents. Concerns over disappearing wildlife habitat and forests can be partly mitigated by the Open Space Community Bylaw. The open space set asides that are created from new residential developments add to Millbury's supply of conservation land at no cost to the Town. If large enough and properly configured, these areas can help maintain wildlife habitat and biodiversity. In the pursuit of conserving more land and sensitive areas outside of the Open Space Community set asides, the town can pursue the adoption of the Community Preservation Act, which would make funds available to acquire priority landscapes. However, there are obstacles to this adoption, which are outlined below.

The Blackstone River presents a great recreational opportunity for the town by providing an area to boat, enjoy nature and hopefully fish in the future. Historically, the river has had poor water quality but that has improved over the last 50 years due to upgrades at Upper Blackstone Clean Water, the departure of polluting industrial enterprises, the passage of new regulatory controls, and various cleanup efforts. However, there is still more to do. The Blackstone River is an impaired waterbody listed under category 5 on the 2016 Massachusetts Integrated List of Waters due to a variety of impairments from multiple sources, including impairments related to sediment and nutrients (phosphorus). Tributaries of the Blackstone River- the Howe Reservoirs, Dorothy Pond, Brierly Pond, Riverlin Street Pond, and Woolshop Pond are also listed under the categories and water quality impairments summarized in Appendix C. Because of these impairments, a draft Total Maximum Daily Load (TMDL) for pathogens was issued for the greater Blackstone watershed that includes the entirety of the Blackstone River's drainage area. A TMDL for phosphorus has also been established for three of Millbury's ponds- the Howe Reservoirs, Dorothy Pond, and Brierly Pond.

The quality of Millbury's waterbodies will be improved through implementation of the Town's MS4 permit. This permit includes a multifaceted approach to stormwater mitigation by focusing on public education, improved housekeeping and maintenance of the existing stormwater

system, and through infrastructure upgrades. In both FY20 and FY21, the town allocated \$250,000 towards these efforts, and subsequent years will see increases in that funding.

Summary of Community Needs

An analysis of survey results indicates support for the enhancement of Millbury's existing recreational opportunities. Respondents to the local survey cited the need for boat access points as the top priority, followed by conservation areas, picnic facilities, a skateboarding facility, and ballfields. Only 94 respondents, or 3% of people who responded to this question, indicated that no new public recreation facilities are needed.

The local survey results echo those of the statewide survey conducted for the 2017 Statewide Comprehensive Outdoor Recreation Plan (SCORP). The SCORP is a statewide survey conducted every 5 years, and the results help the state determine recreation priorities. The SCORP survey results indicated that Massachusetts residents showed the highest interest in improvements to water-based recreation facilities (59%), followed by neighborhood park-type amenities (52%) and trail improvements (48%).

Millbury's survey indicates a high degree of support for multi-modal accessibility improvements such as improving pedestrian safety through the construction of sidewalks, ADA ramps, crosswalks and signalization and expanding transportation services for the elderly and disabled. When asked to identify the top economic development strategy the Town should pursue regarding Millbury Center, respondents identified making Millbury Center more attractive through streetscape improvements and improving the maintenance of public spaces (i.e. sidewalks, parking areas and the Town Common).

As mentioned previously, in 2020 construction began Phase I of the Armory Village Revitalization Project. This \$2.2 million project includes a number of infrastructure, streetscape and accessibility upgrades aimed at attracting business, investment and patrons including the following features and their benefits:

- ❖ Porous pavers, rain gardens, flow-through planters, and trees that will reduce heat island impacts, provide habitat, reduce flooding by allowing stormwater to infiltrate the ground and improve the Blackstone River by filtering contaminants;
- ❖ Bioretention bumpouts that will cleanse & absorb stormwater while making it easier and safer for pedestrians to navigate Millbury Center;
- ❖ Sidewalk, ramp and crosswalk improvements that will make this section of Millbury Center ADA-compliant;
- ❖ Street & traffic light upgrades that will reduce energy consumption while creating a safer environment for vehicles, pedestrians & bicyclists;
- ❖ Wider sidewalks and pedestrian plazas incorporating street trees and colorful landscaping that will reduce impervious cover while providing beautiful places for people to congregate.

The Town secured 5 state and federal grants totaling \$1.48 million to help pay for this Phase I project. The Town should leverage the success and momentum of Phase I to complete future

phases of the Armory Village Revitalization Project. The Planning Department was able to secure several grants and town appropriations to fund Phase I of the project and should continue this effort while people are still excited and invested in the large downtown revitalization efforts.

Of the Town's recreational facilities, the school recreational facilities (including Windle Field), the Blackstone River Bikeway, local ponds and boat ramps, the Washington Street Playground, and East Millbury Park enjoy the most use by respondents. The percentage of respondents that used each of these facilities often in the last year are as follows: 15% use school recreation facilities; 12% use the Blackstone River Bikeway; 12% use local ponds and boat ramps; 10% use the Washington Street Playground; and 6% use East Millbury Park.

The 2017 SCORP survey results revealed the activities that Massachusetts residents most frequently participated in over the previous 12 months, the top six responses were running, jogging, or walking; hiking; swimming in freshwater or saltwater; road biking; swimming in pools; and canoeing, kayaking, rafting, or tubing. People who run, jog, or walk do that activity much more frequently than other activities' participants. These results reflect the use of Millbury recreational facilities from the Millbury survey. 12% of residents use the local ponds and boat ramps, while many of the school recreational facilities, as well as the Blackstone River Bikeway, can be used for walking or biking.

Millbury residents identified a number of public recreational programs that they would like to see in Millbury. A farmers' market was the top priority, followed by additional concerts, youth programming/activities, nature outings, and community festivals. Forty-eight respondents or 2% who responded to this question indicated that no new public events or programs were needed.

Local respondents were asked to rank strategies that the Town should pursue regarding its recreation opportunities, with 1 being the first choice and 5 being the last choice. When the answers were averaged, publicizing recreation opportunities and improving maintenance of existing recreational facilities topped the list with an average rank of 2. Improving parking and improving handicapped accessibility followed with an average rank of 3. The priority with the lowest rank, of 4, was "Recreation opportunities in Millbury are adequate and well known to residents."

The goals laid out in the 2017 SCORP fall in line with the priorities identified by the Millbury Survey. The third goal of the SCORP is to increase the availability of water-based recreation, which mirrors Millbury residents' placing additional boat access points at the top of their priorities. The second goal of the SCORP is to support the Statewide Trails Initiative, which is in line with Millbury residents' need for more conservation land. The fourth goal is to support the creation and renovation of neighborhood parks, which is related to the desire in Millbury for more picnic facilities, skateboarding facilities, and ballfields.

Age-Related Needs

Population demographic projections indicate that by 2035, 27% of Millbury's population will be 65 years or older. This is a significant change from the demographics in 2010, when this age group constituted only 16% of the total population. This demographic shift will affect the

demand on recreation space in town. Older populations generally enjoy more passive recreation pursuits. Thus, a focus on the accessibility of conservation land for walking and other passive activities is recommended. With a significant population of young families, as well as older residents, recreation space near their homes is important. Recreation space in Millbury is not evenly distributed throughout the town. As new developments are built, adding recreation facilities near dense neighborhoods should be considered.

Density-Related Needs

The 2010 Census identified an Environmental Justice Community in Millbury Center, a designation that was not present in the 2000 Census (See Appendix B, Environmental Justice Map). The Environmental Justice Community is an area that has an annual median household income equal to or less than 65% of the statewide median. Millbury Center, also known as Armory Village, is an urban landscape that is the commercial and civic heart of Millbury. It is also plagued by pockets of blight and disinvestment. In 2010, Millbury Center was home to 949 people or 7.2% of Millbury's total population. The Millbury Housing Authority owns and operates 137 units of low-income housing for seniors, families and disabled persons within the Environmental Justice Zone. Slightly more than 9% of Millbury's population was physically disabled. The area contains the Common, as well as the Asa Waters Mansion, the town library, the youth center, and an informal canoe launch into the Blackstone River. It also includes the southern terminus of the proposed section of the Blackstone River Bikeway that would extend from its current terminus along North Main Street into the Town of Sutton. Immediately adjacent to the Environmental Justice Community is the town's senior center, Washington Street Park and Windle Field. Both the Washington Street Park and Windle Field have been identified as needing upgrades and improvements. As a result of its Environmental Justice designation, this area should be prioritized for open space enhancements to ensure that this community is adequately served.

East Millbury is more densely populated than West Millbury, and should be considered for the development of new or improved recreation spaces. Existing recreation spaces include East Millbury Park and the James Drenzo Playground, which are located in densely populated neighborhoods. Because these parks serve many people within a walkable distance, increased attention should be paid to their upkeep and the need to diversify the type of recreation activities available to various age groups that use these facilities. The Town may also wish to consider the establishment of parks or recreation facilities located in similar neighborhoods. For example, the Town of Millbury has the opportunity to turn the existing tot lot that is part of the Pakachoag Acres School (formerly the Dorothy Manor School) located at 153 Millbury Avenue into a public recreation facility catering to very young children when Pakachoag Acres vacates the town-owned facility in 2020.

Other Community Needs

Although the desire for a farmer's market does not fall neatly into the domain of recreation or open space, it seems to reflect the high regard with which Millbury's agriculture, both historic and current, is held. To protect the agricultural land in town, landowners should be encouraged

to investigate the possibility of an agricultural preservation restriction on their land. However, another aspect of agricultural preservation is ensuring that the agricultural community remains a high priority. To this end, a farmer's market and other activities for residents to connect with the agricultural industry in Millbury is recommended in order to preserve the agricultural heritage of the town.

Recreation Standards

As shown in Table 18, Millbury falls short of the recommended amount of total recreation acreage, as set forth by the National Recreation and Park Association. Table 19 describes those standards. The distribution of recreational facilities is uneven. In the more densely populated area of East Millbury, there is less acreage, while West Millbury, although less populated, has more neighborhood parks and playgrounds than the minimum recommendations.

Table 17 – Current & Recommended Recreation Acreage in Millbury

Mini Parks	
Common	.5 acres
James Drenzo Playground	.4 acres
Dorothy Manor School	.3 acres
Total:	1.2 acres
Total Recommended:	3 to 7 acres
Neighborhood Parks	
Washington Street Playground	4.6 acres
East Millbury Park	1.8 acres
West Millbury Playground	13.4 acres
Windle Field	5.0 acres
Greenwood Street Playground	5.8 acres
Total:	30.6 acres
Total Recommended:	13 to 26 acres
Community Parks	
Elmwood Street Field	38.4 acres
Millbury Memorial High	30.8 acres
Total:	69.2 acres
Total Recommended:	65 to 104 acres
Total:	101.0 acres
Total Recommended:	81 to 137 acres
Total Population (2019 est.)	13,633
Acres per 1000 population	7.4 acres
Recommended Acres per 1000 population:	6.25 to 10.5 acres

*Acreage from Assessor's Database

Table 18 - Suggested Recreation and Open Space Standards

Component	Use	Desirable Size	Acres per 1000 population	Desirable Characteristics
Mini Park	Specialized facilities that serve a concentrated or limited population or specific group, such as tots or senior citizens	1 acre or less	0.25 to 0.5	Within neighborhoods and close to apartment complexes, townhouse developments, or close to the elderly
Neighborhood Park or Playground	Areas for intense recreational activities such as field games, crafts, skating and picnicking; also for wading, pool, and playground apparatus areas	5 to 15 acres	1.0 to 2.0	Suited for intense development; easily accessible to neighborhood population; geographically centered with safe biking and walking access; may be developed as a school-park facility
Community Park	Areas of diverse environmental quality; may include areas for intense recreational activities, such as athletic complexes or large swimming pools; may be an area of natural quality for outdoor recreation, such as walking, viewing, sitting, picnicking; may be any combination of the above, depending upon site suitability and community need	25+ acres	5.0 to 8.0	May include natural features, such as waterbodies and areas suited for intense development; easily accessible to neighborhood served

Source: National Recreation and Park Association

Specific Recreation Needs

In the survey, respondents' top three recreation facility priorities were the development of new boat access points (11%), conservation areas (10%), skateboarding facility, and picnicking areas (8%). For many years, the development of a formal public beach at Dorothy Pond/Little Dorothy Pond or Brierly Pond was a top priority. Due to a variety of issues, however, no beach was developed. Water quality analyses conducted in 2002, 2003, 2004, and 2005 stymied efforts to construct a beach on Little Dorothy Pond as elevated concentrations of heavy metals posed a health risk. Water quality testing conducted in August 2018 revealed that Dorothy Pond/Little Dorothy Pond remain ineligible for a swimming area due to poor water quality. In 2017, the development of a swimming area at Brierly Pond went before Town Meeting for a vote. The shallowness of the water coupled with the poor condition of the Brierly Pond Dam contributed to the Article's defeat. Moreover, Brierly Pond and the surrounding acreage is owned by the Conservation Commission, and is reserved for passive recreation. Thus, the establishment of a swimming area at Brierly Pond faces many hurdles. In the survey, only 6% of respondents ranked a municipal beach as most needed. Without a major initiative to clean up Dorothy Pond/Little

Dorothy Pond and address significant impediments to a beach at Brierly Pond, it is unlikely that establishment of a municipal beach in Millbury will succeed. An alternative for a public water recreation facility could be development of a splash pad for children, although only 5% of respondents or 136 people favored that as a top recreation facility priority.

The town's major recreation facility, Windle Field was acquired by the Town of Millbury in 2006. It is managed by the School Department, which is obviously focused on the tasks of educating and meeting the athletic demands of Millbury's youth on school campuses. The site is well suited as a recreation complex and a master plan for the facility was completed approximately 10 years ago by Carolyn Cooney & Associates, a landscape architecture and planning firm located in Milford, Massachusetts, and JJA Sports, a consulting firm specializing in the planning, design, permitting, and construction of sports and recreation facilities that is located in Westford, Massachusetts. The preferred plan for the site features two sports fields, a playground, five tennis courts, a basketball court, a building containing restrooms, concessions, and storage space, a picnic area, and parking area for 107 vehicles. Efforts to improve Windle Field have been stymied by competing interests and limited funds. The School Department has expressed an interest in upgrading the facilities, most of which are in very poor condition, but does not want to invest limited resources if the facility is going to host community events such as the Lion's Club annual 4th of July fireworks and carnival and the Millbury Redevelopment Authority's annual Food Truck Festival, both of which tend to damage the turf. The resulting stalemate means that park is not living up to its potential. To break the stalemate, municipal and school leaders should devise a compromise, or come up with a satisfactory alternative location for the carnival and other community events.

An abandoned railroad right-of-way running from downtown Millbury to Route 122 near the MassPike at Exit 11 offers the opportunity to make an exciting connection between bike trails being developed by the City of Worcester, a newly revitalized Millbury Center and the Blackstone River Bikeway.

Summary of Management Needs

The town's public open spaces and recreation facilities currently range in condition from good to needing substantial renovation. Respondents to the community survey identified improving maintenance of existing recreation facilities as a top strategy to pursue with regards to the Town's recreation opportunities. Respondents also stated that if they had \$100 to spend on capital improvements projects, the fourth largest allotment of funds would be dedicated to parks improvements. When considering the need for increased maintenance and capital improvements, one must consider both staff and financial resources.

Municipal staff charged with managing and maintaining Millbury's conservation lands, recreation facilities and other open space resources is stretched very thin. The Conservation Commission is all volunteer and is supported by a part-time clerk. Lands under Conservation Commission oversight are not actively managed or maintained. Moreover, no town staff or professional consultants are dedicated to ensuring compliance with Conservation Commission Order of Conditions and the Wetlands Protection Act.

The maintenance of Millbury's parks and cemeteries falls entirely on the Department of Public Works, which is stretched thin by other demands on its time and financial resources. Currently, one full-time staff member and two to four seasonal staff are charged with maintenance of all cemeteries, parks, playing fields, the Blackstone River Bikeway parking lot and various other municipal facilities, including the Asa Waters Mansion, Fire Department Station 2, Public Library, and McGrath School. Due to the staffing levels, only minimal maintenance is performed (i.e. mowing, landscaping, field striping, and trash pickup). Bringing existing parks up to a good or excellent condition and adding more parks to the town's inventory will require both an influx of staff resources and money.

The Butler Farm and the Butler Farm Bark Park are managed and maintained by the Butler Farm Reuse Committee and the Millbury Dog Park Committee, both volunteer committees. The Butler Farm Reuse Committee relies exclusively on volunteers and a small annual appropriation of \$4,000 to manage the park and maintain the facilities. The Department of Planning & Development provides staff support to the Millbury Dog Park Committee. The Department collects annual member tag fees and distributes tags, orders supplies, manages the Millbury Dog Park Committee's financial resources, performs grant writing and administration duties, and manages a seasonal employee who performs landscaping and other maintenance duties at the dog park. The Bark Park is not financially supported by the Town in any way. It relies on volunteer labor, member fees and fundraising to maintain the facility, including stormwater facilities and a 3-car parking lot.

Millbury properties owned and managed by the State have received little oversight, likely due to staffing and fiscal constraints. Since the Massachusetts Division of Fisheries and Wildlife took ownership of the Deering property in 1997, establishing the Georgia and Martha Deering Wildlife Management Area, the property has been the target of vandals. It is suspected that arson is to blame for the destruction of its three historic buildings in 2000, 2002 and 2006. The last fire occurred in February 2006, when the barn was burned to the ground, yet little effort was made to clean up the remnants of these structures. The trailhead and parking area are blocked by a gate, which makes it difficult for multiple families to enjoy the extensive trail network as parking along the Riverlin Street frontage is limited due to the presence of wetlands and steep slopes along the roadway shoulder.

Another recreation facility owned and poorly maintained by the State is the Blackstone River Bikeway, which extends 3.3 miles from its parking lot on North Main Street, by the Route 146 Interchange, to the new Blackstone River Valley National Heritage Corridor Visitor Center on Paul Clancy Way. Despite prior agreements, the Massachusetts Department of Conservation and Recreation balked at accepting ownership of the facility once completed by the Massachusetts

Department of Transportation as part of the new Route 146 Interchange project. This has left the bikeway and its maintenance in a state of limbo since its dedication in 2005. The facility has alternately been maintained by the Millbury Department of Public Works and the Sheriff's Office, who has employed prisoners to mow and trim vegetation, as needed. The most regular maintenance of the trail seems to come from a group of Millbury High School volunteers who have picked up trash and installed trash bins along the trail. MassHighway will



Repairs to the Blackstone River Bikeway

remove graffiti and perform other tasks upon request. However, more significant maintenance and upkeep has not been performed, despite ongoing requests from the Town of Millbury. Through the Town Manager's Office and the Board of Selectmen, the Town should insist on better maintenance of this popular facility and resolution to the ownership issue.

As with many towns, there are limited financial resources to address recreation and open space needs in the Town of Millbury. One avenue for increasing funding is through amendment of the Open Space Community Bylaw. Currently, the bylaw requires an open space set aside and provides a density bonus for the construction of new publicly accessible recreation facilities. However, the adoption of an in-lieu fee program could help fund capital improvements at nearby existing recreation facilities. This option was recently exercised by the developer of the Casa Verde Villages subdivision, who donated \$20,000 to the purchase of a new climbing structure at East Millbury Park in lieu of constructing a new playground. In another example, the developer of the Jessica J. Drive Extension subdivision donated \$5,000 to playground improvements at the Washington Street Park. If formalized, this would provide a funding source for needed upgrades, while also eliminating the creation of new recreation facilities that must be maintained by the town.

Another possible funding stream for financing recreation facility improvements, open space acquisition and historic preservation projects is the Community Preservation Act (CPA). To date, 175 Massachusetts communities have adopted the CPA, including the nearby communities of Grafton, Northbridge, Sturbridge, Southborough, and Northborough. Communities who adopt the Act create a Local Community Preservation Fund financed through imposition of a surcharge of the tax levy on real property, which is then matched by the State. The maximum surcharge is 3%. The Act allows communities to adopt various exemptions to the surcharge, such as excluding the first \$100,000 of property value, low income households who earn less than 50% of the median income, or moderate income senior households who earn up to 80% of the median income. Ten percent of the money raised through the Community Preservation Act must be spent in each of three categories: open space/recreation, historic preservation, and affordable housing. The Town has discretion in how it spends the remaining 70% of the funds within the 3 categories in any

given year. For example, in 2021 the Town may opt to spend 80% of the money earned on the purchase of a cherished parcel of land. The next year, the Town may spend an equivalent amount in each of the three categories or only a fraction of the amount earned and bank the rest. The CPA has been a game-changer for communities throughout Massachusetts that have passed it - enabling them to tackle projects that never would have gotten off the ground otherwise. However, it is anticipated that Millbury's adoption of the CPA will likely be an uphill battle. Survey results indicated that more than half of respondents did not support the establishment of a surcharge on property taxes to preserve open space (61%) or historic resources (63%). Thus, public outreach and education are necessary to build support for this initiative.

The completion and State acceptance of this Plan Update makes the town eligible for certain grants administered by the Massachusetts Division of Conservation Services that could be used for a variety of open space preservation and recreation projects in the town. As discussed previously, in 2011 the Town received a LAND grant in the amount of \$158,400 for the acquisition of 25 acres of at-risk land as part of the "Saving Mount Ararat" campaign. Two years later, the Town was awarded a \$44,800 PARC grant that paid, in part, for the renovation of the Woolie World Playground at the Washington Street Park. While these grant awards enabled key projects in the Town, it is important to recognize that grant writing and administration requires both staff time and expertise.

Butler Farm, Windle Field, the Davidson Sanctuary, the Common, and the Washington Street Park have all benefited from corporate donations and volunteer efforts over the years. Continued pursuit of these resources is recommended to help maintain and upgrade the town's parks and open spaces. However, it is important to recognize that unpaid volunteers have jobs, families and other interests that are competing for their limited time. For example, using volunteers to maintain the landscaping and empty the trash cans at the Butler Farm Bark Park became unreliable and prompted the Millbury Dog Park Committee to hire a seasonal worker to perform these tasks beginning in spring 2019. Volunteers should be used sparingly so as to avoid burnout and should not be used for regular maintenance activities. The Town may wish to secure senior workers from the Council on Aging's Senior Work-off Program to perform certain tasks, such as weeding flower beds at the Commons, Public Library or Asa Waters Mansion, or assisting the Millbury Center Beautification Initiative with planting seasonal flowers in the downtown.

Attention should be paid to better supporting volunteers who serve on town committees and commissions. As in many towns, Millbury contains numerous volunteer boards, commissions and committees. Some committees are under-enrolled or are meeting so infrequently that the committee cannot act as intended. The town should attempt to recruit more volunteers to serve on these committees, and better support committees in their missions through provision of professional staff assistance when warranted.

The need to increase access and awareness of the town's open space resources and facilities rose to the forefront as a top community priority in both the public forums and the survey. Currently, open space trails in Millbury are largely unmarked, unmapped and some conservation areas have no signage or parking accommodation. Survey respondents ranked the publicizing of recreation opportunities highest when asked about strategies that the Town should pursue regarding its

recreation opportunities. Increasing the profile of Millbury's open space resources and recreation facilities will help engender buy-in for capital improvements. There are a number of actions that can be taken to improve public awareness and access to Millbury's open spaces:

- ❖ **Forest Management Plans:** Currently only the Brierly Pond Recreation Area has a forest management plan, completed in 2012. The Conservation Commission only recently began to engage with a forester to act on the plan and conduct a timber harvest. Forest Management Plans should be developed and implemented for all open space properties under the Conservation Commission's jurisdiction. Effective forest management will enhance the health and recreation potential of the forests through the establishment of a trail network and mitigate the growing impacts of invasive species.
- ❖ **Guide to Millbury's Open Spaces:** The town should assemble a guide to Millbury's open space and recreation resources that is uploaded to the municipal website. The guide should include trail maps, property addresses, and information about the amenities available at each site. This will help residents access the properties more easily and with more confidence.
- ❖ **Well-marked trails:** The trails should be marked, mapped and maintained in order for residents to feel comfortable and welcome recreating in the Town's open spaces. Currently trail maintenance is handled exclusively by volunteers. A "Friends of Millbury Open Spaces" group could help organize volunteer efforts and make trail maintenance more consistent. The Town could also apply for trail grants that would finance the establishment of trail networks by professionals.
- ❖ **Signage and Parking:** The signage at several open space recreation areas, especially those owned by the Conservation Commission, is either poor or non-existent. The installation of large, prominent signs, trails information, and formal/informal parking areas will raise the profile of these facilities, increase enjoyment of conservation areas, and make it more likely that residents will support additional land acquisition and capital improvements. The lack of signage, established parking, and trail maps inhibit use. Moreover, most parking areas do not comply with the American with Disabilities Act in that they do not have compliant parking spaces and pathways to amenities.
- ❖ **Online presence:** An increased online presence for Millbury's open spaces and recreation facilities will help residents and visitors access these areas. The search results for parks should be assessed and corrected as required. For example, the Google Maps listing for East Millbury Park lists the park as permanently closed, which is incorrect. Listings such as this could deter potential visitors. More accurate and complete information online can increase usage and attract more residents.

Section 8 – Goals and Objectives

The purpose of the 2020 Open Space and Recreation Plan Update is to examine the various factors affecting open spaces in Millbury and devise a strategy to effectively meet current and future needs. A two-step process culminated in a list of goals and objectives. First, the goals and objectives from the 2008 Open Space and Recreation Plan were examined to determine where goals and objectives have been accomplished, where further progress is needed, and what additional needs have arisen. Second, to ensure that the goals and objectives reflect the public's perception of natural resource, open space and recreation needs and priorities, special attention was paid to the input received during the public engagement process and while developing the first seven sections of this plan. Following a review of this plan and all available information, the Open Space Committee agreed on the following goals and objectives to help preserve, maintain and enhance the town's natural resources, including its parks, conservation areas, waterways, wetlands, and other open spaces:

Goal 1 – Preserve, maintain, diversify, and enhance Millbury's open space resources and recreation opportunities.

- a. Use innovative growth management strategies and improved regulatory controls to accomplish desired goals.
- b. Enhance the number, variety and maintenance of Millbury's recreation facilities and conservation areas.
- c. Preserve the Town's agricultural, historic, and scenic resources.

Goal 2 – Broaden public awareness and increase access to Millbury's natural and recreational resources.

- a. Improve access to information and promote the Town's natural resources and recreation facilities through social media, the Town website, flyers, and other means of communication.
- b. Pursue opportunities to increase ADA/AAB accessibility to the Town's public facilities and recreation areas.
- c. Engender community buy-in to accomplish open space and recreation goals and objectives.

Goal 3 – Manage Millbury's water resources to ensure good water quality and quantity for public consumption, wildlife and recreation.

- a. Improve the water quality of Millbury's lakes, ponds, rivers, and streams.
- b. Protect, maintain and, where necessary, improve the quality of Millbury's wetlands.
- c. Ensure adequate quality and quantity of water resources for public consumption.

Goal 4 – Improve the Town’s capacity to plan for, protect, maintain, expand, and diversify its natural, open space, recreation, and historic resources.

- a. Pursue funding opportunities to accomplish open space and recreation goals and objectives.
- b. Expand Millbury’s staff capacity to accomplish open space and recreation goals and objectives.

Section 9 – Seven Year Action Plan

The Action Plan is designed to implement Millbury's Open Space and Recreation Plan. The Action Plan is based on the goals and objectives summarized in Section 8, which in turn were developed to respond to community input and address the recreation and conservation deficiencies identified in the analysis of community needs. The Action Plan identifies actions for accomplishing objectives, designates the organizations, town employees, town boards, commissions and committees responsible for implementing those actions, and specifies the recommended year for accomplishing those actions.

The timetable is not meant to be a rigid scheme but more a flexible guide for directing the energy necessary to protect critical natural and cultural resources, enhance recreation opportunities and preserve the character of the community. Previously unforeseen opportunities that would further the Town's open space and recreation objectives may require rapid action by the Town. Likewise, unforeseen obstacles may impede the Town's ability to accomplish certain tasks. Consequently, the implementation schedule is subject to revision and should be reviewed annually and modified as needed to respond to special opportunities and unforeseen obstacles.

The Action Plan is set up in the follow format below. It can also be found in a table form in Appendix G.

Goal

a. Action

- i. Task (*Responsible party; Task completion timeframe; Priority level; Funding source, if applicable*)
 - 1) Responsible party – the individual, group, or department that will be responsible for implementing the task.
 - 2) Task completion timeframe – the estimated timeframe in which the task is expected to be accomplished, or if it is an ongoing effort.
 - 3) Funding source – possible funding sources to complete a given task, if applicable.
 - 4) Priority Level – the level of priority given to a specific task, 1 being the most urgent, 3 the least urgent.

Goal 1 – Preserve, maintain, diversify, and enhance Millbury's open space resources and recreation opportunities.

Actions:

- a. **Use innovative growth management strategies and improved regulatory controls to accomplish desired goals.**
 - i. Implement recommendations in the 2020 Open Space and Recreation Plan Update, as well as the recently completed 2019 Comprehensive Master Plan. (*Department of Planning & Development, Open Space Committee, Planning Board; Ongoing Effort; Various Funding Sources (See Appendix F Grant/Resources); Priority 1*)

- ii. Promote the creation of Open Space Communities as a means of protecting cherished natural, scenic and historic resources as well as increasing the supply of recreation facilities and valuable conservation land. The Town should emphasize the following when negotiating with applicants during the pre-application stage:
 - Find “win/win” solutions for both the Town and the property owner/developer.
 - Encourage linkages and open space corridors as site plans are prepared for Open Space Communities.
 - Implement an in-lieu fee program rather than an open space set aside to allow developers to set aside funds earmarked for specific open space improvement and maintenance.
 (*Department of Planning & Development, Planning Board; Ongoing; N/A; Priority 1*)
- iii. Amend zoning bylaws and regulations in accordance with the MS4 Permit and recommendations from the 2019 Master Plan. (*Department of Planning & Development, Designated Department, Board or Commission; Year 1-2; Planning Department; Appropriation for Planning Consultant; Priority 1*)
- iv. Consider allowing common driveways and hammerhead lots as a means of protecting open space and preserving the Town’s character. (*Department of Planning & Development, Planning Board; Year 1-3; N/A; Priority 3*)
- v. Encourage the use of Low Impact Development (LID) principals and green infrastructure techniques in all future developments. (*Department of Planning & Development, Planning Board; Ongoing; N/A; Priority 2*)
- vi. Continue to implement Millbury’s Energy Reduction Plan, encourage the placement of alternative energy facilities within town, and pursue energy reduction opportunities at municipal facilities. (*Department of Planning & Development, Department of Public Works, Energy Advisory Committee; Ongoing; Applicable Grants and Town Appropriations; Priority 1*)
- vii. Promote the redevelopment of brownfield properties and preservation of historic properties through the use of the Adaptive Reuse Overlay Bylaw and Bramanville Village District. (*Department of Planning & Development, Planning Board; Ongoing; N/A; Brownfields Redevelopment Fund, Historic Tax Credits, Massachusetts Preservation Projects Fund; Priority 2*)

b. Enhance the number, variety and maintenance of Millbury’s recreation facilities and conservation areas.

- i. Pursue opportunities to expand and add additional open space and conservation areas. (*Department of Planning & Development, Conservation Commission; Year 1; Massachusetts Land and Water Conservation Fund Grant Program, LAND Grant, Amelia Peabody Charitable Fund, Town appropriation; Priority 2*)

- ii. Engage a forester to implement the forest management plan for the Brierly Pond Conservation Area. (*Department of Planning & Development, Conservation Commission; Year 1; Generated income from logging; Priority 1*)
- iii. Develop and implement forest management plans for Stowe Meadows Conservation Area and the Davidson Sanctuary. (*Department of Planning & Development, Conservation Commission – Years 2-7; Urban & Community Forestry Challenge Grant, New England Forests & Rivers Fund; Priority 2*)
- iv. Proactively manage invasive species on the Town’s open space resources. (*Department of Planning & Development, DPW, Tree Warden, Conservation Commission; Ongoing; Urban & Community Forestry Challenge Grant, New England Forests & Rivers Fund; Priority 2*)
- v. Develop capital improvement plans and management plans for Millbury’s largest parks and playgrounds (Washington Street Park, East Millbury Park, Greenwood Street Park). (*Department of Public Works, School Department; Years 2-4; ARPA Funds, town appropriations; Priority 2*)
- vi. Launch a visioning process and update the Master Plan for Windle Field. Pursue the funding necessary to implement the vision. (*School Department, Department of Planning & Development; Year 2-3; Planning Assistance Grant, ARPA Funds, Town appropriation, Priority 2*)
- vii. Allocate staff and financial resources sufficient to properly maintain cemeteries, parks and conservation areas. (*Finance Committee, Board of Selectmen, Department of Planning & Development, Department of Public Works, School Department; Ongoing; Town appropriations; Priority 1*)
- viii. Establish and maintain trails and water crossing features, where applicable. Seek recreation trail funding to finance these improvements. (*Open Space Committee, Department of Planning & Development, Conservation Commission; Ongoing; MassTrails Grant, Massachusetts Land and Water Conservation Fund; Priority 2*)
- ix. Install picnic tables in appropriate locations. (*Department of Public Works, Department of Planning & Development; Ongoing; ARPA Fund, Town Appropriation, Fundraising; Priority 3*)
- x. Identify and develop mini-parks in neighborhoods and denser areas with facilities for children and elderly populations. Include pedestrian and bicycle facilities to ensure these areas are accessible by all forms of transportation. (*Department of Planning & Development, Department of Public Works; Ongoing; PARC Grant, Massachusetts Land and Water Conservation Fund Grant Program; Priority 3*)
- xi. Enthusiastically support and implement efforts aimed at advancing construction of the full extent of the Blackstone River Bikeway. (*Board of Selectmen, Department of Planning & Development; Ongoing; N/A; Priority 2*)
- xii. Develop the abandoned railroad right-of-way, linking Millbury Center to the Mass Pike Park ‘N Ride facility at Exit 11, into a formal multi-purpose

trail. Establish an informal parking lot on the parcel owned by the Conservation Commission that is located on Grafton Road, adjacent to the railroad right-of-way. (*Open Space Committee, Department of Planning & Development; Year 1-5; MassTrails Grant, ARPA Funds; Priority 3*)

c. Preserve the Town’s agricultural, historic, and scenic resources.

- i. Update the comprehensive baseline inventory of all existing natural resources, including identifying lands critical to ecological functions, stream/habitat continuity upgrades, and parcels that are a priority for preservation. (*Open Space Committee, Department of Planning & Development; Year 2-5; Planning Assistance Grant, Town appropriation; Priority 2*)
- ii. Assess municipal properties for ecological, scenic, or cultural significance and apply conservation easements, as appropriate, to properties deemed protection priorities. (*Open Space Committee, Planning Department; Year 2; Planning Assistance Grant, Town appropriation; Priority 2*)
- iii. Exercise the Town’s right of first refusal when farmland and other critical open spaces are released from the Chapter 61 program. (*Department of Planning & Development, Board of Selectmen ; Ongoing; N/A; Priority 1*)
- iv. Promote the protection of additional agricultural land in Town through the Agricultural Preservation Restriction (APR) Program. (*Open Space Committee, Department of Planning & Development; Ongoing; Agricultural Preservation Restriction Program, Landscape Partnership Grant; Priority 2*)
- v. Establish a monthly Farmer’s Market to be held on the Upper Common from May through October. (*Department of Planning & Development; Year 2; ARPA Fund, Town appropriation, local nonprofits; Priority 3*)
- vi. Establish Local Historic Districts and a demolition delay ordinance bylaw to help protect valuable historic resources. (*Department of Planning & Development, Historic Commission, Historical Society, Board of Selectmen ; Year 1-3; Grants, Massachusetts Historical Commission Survey and Planning Grant, Planning Assistance Grant, Planning Department staff/resources; Priority 3*)
- vii. Nominate historic properties for National Register of Historic Places designation to enable access to historic tax credits. (*Historic Commission, Department of Planning & Development; Ongoing; Massachusetts Historical Commission Survey & Planning Grant Program; Priority 2*)
- viii. Establish partnerships with regional land trusts to secure conservation restrictions to protect farmlands from future development. (*Department of Planning & Development, Conservation Commission; Ongoing; N/A; Priority 3*)
- ix. Approach the new owner of the Cordis Mills about providing an easement over the canal remnant located on their property. (*Department of Planning & Development ; Year 1; Massachusetts Historical Commission Survey & Planning Grant Program, Millbury Conservation Fund; Priority 3*)

- x. Identify grants and other opportunities to protect natural resources and historic buildings and landscapes. (*Department of Planning & Development, Open Space Committee, Historic Commission; Ongoing; Massachusetts Historical Commission Survey and Planning Grant Program, Massachusetts Preservation Projects Fund; Priority 2*)
- xi. Preserve existing trees and plant new trees as part of an ongoing effort to improve the tree canopy, air quality, stormwater capacity, and aesthetic within Town. (*Department of Planning & Development, Tree Warden, Millbury DPW; Ongoing; TD Green Space Grant, Municipal Vulnerability Preparedness Action Grant; Priority 1*)
- xii. Enforce the Scenic Road Bylaw, review existing scenic road designations, and consider additional scenic roads in Millbury. (*Department of Planning & Development, Planning Board, Tree Warden, Historic Commission, Conservation Commission; Ongoing; Priority 3*)

Goal 2 – Broaden public awareness and increase access to Millbury’s natural and recreational resources.

a. Improve access to information and promote the Town’s natural resources and recreation facilities through social media, the Town website, flyers, and other means of communication.

- i. Utilize social media and the Town’s website to promote the Town’s open spaces, as well as activities and programming opportunities. (*Department of Planning & Development, DPW, School Department, Conservation Commission; Ongoing; N/A; Priority 3*)
- ii. Mark, inventory and map the town’s existing trail networks. Upload trail maps and property information onto the municipal website for download by residents. (*Department of Planning & Development, Conservation Commission, Trails Committee; Year 1-2; Conservation Fund; Priority 2*)
- iii. Install consistent signage, trail maps, and informational kiosks that feature information about conservation and recreation facilities, rules and regulations, volunteer opportunities, etc. (*Department of Planning & Development, Department of Public Works, Conservation Commission; Year 2-3; Massachusetts Land & Water Conservation Fund Grant, MassTrails Grant, Town staff and volunteer time, Local Conservation Fund; Priority 3*)
- iv. Work with local news media to publicize the Open Space and Recreation Plan Update, as well as other conservation and recreation matters. (*Department of Planning & Development, Department of Public Works, Open Space Committee; Year 1 & Ongoing; N/A; Priority 2*)

b. Pursue opportunities to increase ADA/AAB accessibility to the Town’s public facilities and recreation areas.

- i. Install ADA/AAB compliant amenities, where possible, at the Town's recreational and athletic facilities. (*Commission on Disability, Department of Planning & Development, Department of Public Works, Open Space Committee; Ongoing; PARC Grant, Municipal ADA Improvement Grant, Town appropriation; Priority 1*)
- ii. Integrate ADA/AAB planning and features into all future open space, recreation and development projects. (*Commission on Disability, Planning Board, Department of Planning & Development, Department of Public Works; Ongoing; PARC Grant, Municipal ADA Improvement Grant, Complete Streets Construction Grant, town appropriation; Priority 1*)
- iii. Identify funding opportunities to improve ADA/AAB accessibility within the public realm, including sidewalks and the Town's recreation facilities. (*Commission on Disability, Department of Planning & Development, Department of Public Works, Open Space Committee ; Ongoing; PARC Grant, Municipal ADA Improvement, Grant, Complete Streets Construction Grant, MassWorks Grant, Housing Choice Community Capital Grant, Town appropriation; Priority 1*)

c. Engender community buy-in to accomplish open space and recreation goals and objectives

- i. Ensure all parties specified in this Plan receive a copy of the Plan and understand their responsibilities. (*Department of Planning & Development, Open Space Committee; Year 1; N/A; Priority 1*)
- ii. Create "friends of" organizations that can help support, manage and promote specific open space areas. (*Department of Planning & Development, Open Space Committee; Years 2-5; N/A; Priority 3*)
- iii. Continue to use attractive markers and signage to recognize people, organizations and businesses that donate land and finance recreation improvements. (*Department of Planning & Development; Ongoing; Millbury Center Beautification Initiative, Millbury Redevelopment Authority, Town appropriation; Priority 3*)
- iv. Establish trail maintenance days where members of the public help clean, clear, and maintain the Town's existing trail networks. (*Open Space Committee, Conservation Commission, Trail Committee; Year 2 & Ongoing; Town appropriation; Priority 3*)
- v. Incorporate the outdoor classroom concept into the public school science curriculum. (*School Superintendent's Office; Year 3; Town Appropriation; Priority 3*)
- vi. Identify grants and/or funding for field trips for public school students to local conservation areas and for environmental educational programs. (*School Department, Conservation Commission, Open Space Committee; Ongoing; Town Appropriation, Parents Club; Priority 2*)

- vii. Strengthen existing partnerships with conservation organizations/groups to conduct environmental education programming to inform residents, businesses and visitors about Millbury's natural resources. (*Department of Planning & Development, School Department, Open Space Committee, Conservation Commission; Year 4/ N/A; Priority 2*)
- viii. Revise and update the Action Plan annually so that it reflects Millbury's changing needs and accomplishments. (*Department of Planning & Development, Open Space Committee ; Ongoing; N/A; Priority 2*)
- ix. Begin the planning process of updating the Open Space and Recreation Plan. (*Planning Department, Open Space Committee; Year 7; Planning Assistance Grant, Community Compact Best Practices Program; Priority 1*)

Goal 3 – Manage Millbury's water resources to ensure good water quality and quantity for public consumption, wildlife and recreation.

a. Improve the water quality of Millbury's lakes, ponds, rivers, and streams.

- i. Continue careful enforcement of the MA Rivers Protection Act and other stormwater regulations. (*Conservation Commission, Planning Board, Ponds and Lakes Commission; Ongoing; N/A; Priority 2*)
- ii. Prepare watershed management plans for each pond with a TMDL (the Howe Reservoirs, Brierly Pond, and Dorothy Pond) and update them every three years. (*Department of Public Works, Department of Planning & Development, Ponds and Lakes Commission; Years 3 & 6; 604B Water Quality Management Planning Grant, SNEP Watershed Grant; Priority 2*)
- iii. Perform water quality testing of impaired water bodies and identify primary causes of impairment. (*Department of Public Works, Ponds and Lakes Commission; Ongoing; Water Quality Monitoring Grant; Priority 1*)
- iv. Complete the remaining phases of the "Armory Village Green Infrastructure Project". (*Department of Public Works, Department of Planning & Development ; Years 1-4; Complete Streets Grant, MassWorks Grant, MVP Action Grant, Section 319 Grant, Narragansett Bay Estuary Grant, ARPA Fund, Town appropriation; Priority 1*)
- v. Minimize the contamination of waterbodies resulting from municipal activities by sweeping area roads more frequently, properly maintaining catch basins and detention basins and limiting salt applications to roadways. (*Department of Public Works; Ongoing; Town appropriation; Priority 1*)
- vi. Install pet waste stations at all municipal parks, particularly those in the watersheds of Brierly Pond and Dorothy Pond. (*Department of Public Works; Year 1; Town appropriation; Priority 1*)
- vii. Continue to use both electronic and print media to educate homeowners about measures that they can employ to prevent and/or remedy non-

- point source pollutants. The information could focus on the benefits of and how-to-install a rain garden, minimizing application of phosphorus-based fertilizers to lawns adjacent to waterbodies and wetlands, minimizing lawn waste deposits to waterbodies and wetlands, maintaining septic systems, and fencing livestock away from streams and wetlands. (*Department of Public Works, Department of Planning & Development, Board of Health, Aquarion Water Company, Ponds and Lakes Commission; Ongoing; N/A; Priority 2*)
- viii. Implement a storm drain-stenciling program. (*Department of Public Works; Ongoing; Town appropriation; Priority 2*)
 - ix. Encourage property owners to plant woody vegetation along the banks of waterbodies as a means of reducing erosion, filtering polluted runoff, absorbing floodwaters, and slowing water velocity. (*Conservation Commission, Ponds and Lakes Commission; Ongoing; Section 318 Nonpoint Source Pollution Grant; New England Forests and Rivers Fund; Priority 2*)
 - x. Encourage appropriate riverside development and recreational uses along the Blackstone River and its tributary streams. Such uses and development should be designed to accommodate periodic flooding in these areas rather than reduce the flood storage capacity of these low-lying areas. (*Conservation Commission, Planning Board, Department of Planning & Development; Ongoing; N/A; Priority 3*)
 - xi. Continue to comply with MS4 Permitting requirements to ensure the Town's water quality. (*Department of Planning & Development, Department of Public Works; Ongoing; Town appropriation; Priority 1*)

b. Protect, maintain and, where necessary, improve the quality of Millbury's wetlands.

- i. Protect inland wetlands and wildlife habitats through the enforcement of the Wetlands Protection Act and floodplain regulations. (*Conservation Commission, Board of Appeals; Ongoing; N/A; Priority 1*)
- ii. Encourage owners of wetlands, especially those adjacent to already protected areas and along the Blackstone River and its tributaries, to protect these valuable habitats through donation to the Conservation Commission, private land trusts, or through conservation restrictions that will reduce taxes and provide permanent protection. (*Conservation Commission, Planning Board, Planning Department; Ongoing; LAND Grant; Priority 3*)
- iii. Work with property owners, developers and engineers to ensure that development proposals will not endanger the health of wetlands. (*Conservation Commission, Planning Board, Department of Planning & Development; Ongoing; Conservation and Planning Board technical review fees; Priority 2*)

- iv. Involve volunteers (including scouts and science classes) with identifying, mapping, and certifying Millbury's vernal pools. *(Conservation Commission, Department of Planning & Development, Millbury Superintendent's Office; Year 4; N/A; Priority 2)*

c. Ensure adequate quality and quantity of water resources for public consumption.

- i. Acquire and protect aquifers and aquifer recharge areas. *(Aquarion Water Company, Planning Board, Department of Planning & Development; Ongoing; Aquarion Water Company; Drinking Water Supply Protection Grant; Priority 1)*
- ii. Distribute a packet of "Best Management Practices" to homeowners and businesses located in Zone II areas so as to educate about ways that they can preserve the quality and quantity of groundwater supplies. *(Aquarion Water Company; Ongoing; Aquarion Water Company; Priority 3)*
- iii. Create and maintain high visibility information display at the Municipal Office Building and Library about caring for private wells, septic systems and underground storage tanks. *(Board of Health; Ongoing; N/A; Priority 3)*
- iv. Hold an annual collection day for household hazardous materials. Explore possibility of joining forces with another town to reduce costs. *(Department of Public Works; Ongoing; Town Appropriation; Priority 2)*

Goal 4 – Improve the Town's capacity to plan for, protect, maintain, expand, and diversify its natural, open space, recreation, and historic resources.

a. Pursue funding opportunities to accomplish open space and recreation goals and objectives.

- i. Create Committee to educate the public and promote adoption of the Community Preservation Act. *(Department of Planning & Development, Open Space Committee, Conservation Commission; Year 2; Town appropriation; Priority 3)*
- ii. Pursue private, state and federal grants to accomplish plan objectives (See Appendix F for Grant Resources). *(Department of Planning & Development, Open Space Committee; Ongoing; Various funding sources; Priority 1)*
- iii. Pursue corporate partnerships/advertising at athletic fields and playgrounds for monetary assistance. *(Department of Public Works; Year 2-4; N/A; Priority 3)*
- iv. Continue to use creative fundraising campaigns (i.e. Adopt-A-Pot and Adopt-A-Banner Programs) to solicit funds from local residents, organizations and businesses while simultaneously accomplishing goals and objections. *(Department of Planning & Development, Millbury Center Improvement Initiative; Ongoing; Placemaking Grant; Adopt-A-Pot and Adopt-A-Banner revenues; Priority 2)*

b. Expand Millbury's staff capacity to accomplish open space and recreation goals and objectives

- i. Expand the staff capacity of the Department of Public Works assigned to the maintenance of parks and cemeteries. (*Department of Public Works, Board of Selectmen; Year 1; Town appropriation; Priority 1*)
- ii. Create a Conservation Planner/Agent position in the Department of Planning & Development to coordinate conservation activities, open space acquisition, maintenance of conservation areas and facilities, and enforce the Wetlands Protection Act and Orders of Conditions. (*Board of Selectmen; Year 5; Town appropriations, Wetland Filing Fees; Priority 1*)
- iii. Reestablish the Parks Commission to ensure community input and engagement in decisions pertaining to Millbury's parks and playgrounds. (*Board of Selectmen; Year 1; N/A; Priority 2*)
- iv. Ensure relevant boards and committees are fully staffed and meeting regularly. Appoint new members as appropriate. (*Board of Selectmen; Ongoing; Town appropriation; Priority 1*)

Section 10 – Public Comments

See Appendix A

Section 11 – References

1. “BioMap 2 Conserving the Biodiversity of Massachusetts in a Changing World, Millbury Report” prepared by the MA Division of Fisheries and Wildlife (2012)
2. “Emergency Action Plan for Dorothy Pond Dam, Millbury, Worcester County, Massachusetts” prepared by Weston & Sampson (2019)
3. “Emergency Action Plan for Ramshorn Pond Dam, Millbury, Worcester County, Massachusetts” prepared by Weston & Sampson (2019)
4. “Emergency Action Plan for Singletary Pond Dam, Millbury, Worcester County, Massachusetts” prepared by Weston & Sampson (2019)
5. “Millbury Downtown Improvement Through Low-Impact Development & Green Infrastructure” prepared by Mass Audubon (2016)
6. “Millbury Master Plan: Phase I: Vision & Goals” prepared by Community Circle with Martha Lyon Landscape Architecture, LLC (2016)
7. “Millbury Reconnaissance Report” prepared by Elizabeth Vizza Consulting, Oakfield Research and Hyla Ecological Services, Inc. (2007)
8. “Municipal Vulnerability Preparedness Program – Grafton, Millbury, and Northbridge MA – Community Resilience Building Workshop Summary of Findings” prepared by Central Massachusetts Regional Planning Commission (2018)
9. “Town of Millbury Complete Street Policy” prepared by the Millbury Complete Street Committee (2018)
10. “Town of Millbury Complete Street Prioritization Plan” prepared by the Millbury Complete Street Committee (2019)
11. “Town of Millbury Comprehensive Master Plan” prepared by BSC Group (2019)
12. “Town of Millbury Open Space and Recreation Plan Update” prepared by the Open Space Committee (2008)
13. “Watershed-Based Plan Millbury, Blackstone River Watershed Within the Town of Millbury” prepared by Geosyntec Consultants, Inc. (2019)

Appendix A – PUBLIC ENGAGEMENT

1. Public Participation Survey – 2018
2. Public Participation Survey Report – 20218 (Bridgewater State University)
3. Public Forum #1 – Summary Sheet Package of Results (June 5, 2018)
4. Public Forum #2 – Summary Sheet Package of Results (October 4, 2018)
5. Information Sheets Prepared by consultant Team for Forum #1
6. Open Space Committee Meeting Minutes – February-May 2021

MILLBURY MASTER PLAN SURVEY

1. What makes Millbury unique? *(specify)* _____

2. In your opinion, what are Millbury's three most important assets? *(circle your top three choices)*
 - A. Location
 - B. Commerce/business
 - C. Affordable housing
 - D. Schools
 - E. Historic buildings
 - F. Natural features/open spaces
 - G. Other *(specify)* _____

3. Do you think Millbury should encourage more of the following businesses? *(circle one for each)*

A. Retail services.....	yes	no	unsure
B. Hospitality/restaurant.....	yes	no	unsure
C. Personal & professional services.....	yes	no	unsure
D. Construction/building trades.....	yes	no	unsure
E. High tech & emerging industries.....	yes	no	unsure
F. Light manufacturing and warehousing.....	yes	no	unsure
G. Truck terminals.....	yes	no	unsure
H. Farming (agri-business).....	yes	no	unsure
I. Remote/telecommuting business.....	yes	no	unsure

4. When it comes to Millbury's local economy, what are the Town's greatest challenges? *(circle your top three choices)*
 - A. Empty storefronts and/or underutilized buildings
 - B. Lack of job opportunities
 - C. Lack of qualified work force
 - D. Inadequate public sewer and water availability along Route 146
 - E. Inadequate transportation facilities (i.e. roads, freight, public transportation)
 - F. Inadequate technological infrastructure (i.e. cell service)
 - G. Lack of suitable land for accommodating large-scale commercial/industrial development
 - H. Lack of adequate tax incentives to attract new businesses and/or encourage expansion of existing businesses
 - I. Town regulations are too restrictive to business
 - J. Other *(specify)* _____

5. How should the Town and Aquarion Water Company fund sewer/water line extensions along Route 146? *(circle one)*
 - A. Raise sewer/water user fees
 - B. Require property owners with frontage along Route 146 to cover extension costs through betterments
 - C. Split costs of extending sewer/water with developers
 - D. The Town and Aquarion Water Company should not help fund or extend water/sewer lines

6. Which of the following economic development strategies should the Town pursue regarding Millbury Center? *(circle your top three choices)*
 - A. Increase the number of parking spaces and/or the visibility of the municipal parking lot
 - B. Improve pedestrian and handicapped accessibility throughout Millbury Center
 - C. Make Millbury Center more attractive through streetscape improvements (i.e. landscaping, benches, public art)
 - D. Improve maintenance of public spaces (i.e. sidewalks, parking areas, the Town Common)
 - E. Adopt design guidelines for buildings, landscaping, parking, and signage
 - F. Increase the number of community events occurring in Millbury Center
 - G. Other *(specify)* _____

7. Which changes to the transportation system should occur in Millbury? *(circle your top three choices)*
- A. Improve roadway maintenance
 - B. Improve pedestrian safety (sidewalks, ADA ramps, crosswalks, signals)
 - C. Expand bicycle accommodation (bike lanes, multi-purpose trails, etc.)
 - D. Improve directional signage
 - E. Install trees and landscaping along roadways
 - F. Expand public transportation by adding bus stops/bus routes
 - G. Expand transportation services (to medical appointments, shopping, rides to work) for the elderly & disabled
 - H. Limit cut-through traffic in neighborhoods
 - I. Other *(specify)* _____

8. Where should the Town accommodate new homes? *(circle all that apply)*
- A. Evenly spread throughout town
 - B. Concentrated in village centers & established neighborhoods
 - C. Concentrated in undeveloped areas
 - D. Clustered on a portion of a parcel with remaining land protected open space
 - E. Other *(specify)* _____

9. What are the top housing needs in Millbury? *(circle your top three choices)*
- A. Single-family homes on large lots
 - B. Single family homes on small lots
 - C. Townhouses
 - D. Garden-style apartments
 - E. In-law apartments
 - F. Assisted living, extended care and nursing facilities
 - G. Other *(specify)* _____

10. How important is it to preserve or protect: *(circle one, 1 being the least important and 5 being the most important)*

A. Buildings & sites of historic interest.....	1	2	3	4	5
B. Open spaces for recreation purposes.....	1	2	3	4	5
C. Farmland.....	1	2	3	4	5
D. Open spaces for conservation purposes.....	1	2	3	4	5
E. Open spaces to protect water quality/quantity	1	2	3	4	5
F. Scenic vistas	1	2	3	4	5
G. Other <i>(specify)</i> _____	1	2	3	4	5

11. To preserve open spaces, would you: *(circle one for each)*

A. Support establishment of a surcharge on property taxes	yes	no	unsure
B. Support town-sponsored land acquisition through appropriation	yes	no	unsure
C. Other <i>(specify)</i> _____	yes	no	unsure

12. To preserve historic resources, would you: *(circle one for each)*

A. Support establishment of a surcharge on property taxes	yes	no	unsure
B. Support town-sponsored land acquisition through appropriation	yes	no	unsure
D. Other <i>(specify)</i> _____	yes	no	unsure

13. Are you concerned about the following open space/historic resource-related issues in Millbury? *(circle your top 3)*

A. Destruction of the town's character	E. Degradation of water bodies & wetlands
B. Demolition of historic buildings	F. Degradation of drinking water supplies
C. Disappearing wildlife habitat & forests	G. Lack of adequate recreational facilities
D. Disappearing farmland	H. Other <i>(specify)</i> _____

14. Should the Town promote the following measures to protect the environment? (*circle one for each*)

A. Provide education & incentives to residents & property owners..	yes	no	unsure
B. Increased opportunities for recycling.....	yes	no	unsure
C. Energy conservation initiatives.....	yes	no	unsure
D. Alternative energy production (solar panels, wind energy).....	yes	no	unsure
E. Safe disposal of hazardous wastes.....	yes	no	unsure
F. Annual earth day cleanups.....	yes	no	unsure
G. Planting of street trees along major roadways.....	yes	no	unsure
H. Low glare and efficient lighting.....	yes	no	unsure
I. Anti-idling policy/campaign at municipal facilities.....	yes	no	unsure

15. How often did you use the following public facilities last year (*circle one for each*)?

A. Senior Center.....	Never	Rarely	Sometimes	Often
B. Youth Center.....	Never	Rarely	Sometimes	Often
C. Public Library.....	Never	Rarely	Sometimes	Often
D. Asa Waters Mansion.....	Never	Rarely	Sometimes	Often
E. Blackstone River Bikeway.....	Never	Rarely	Sometimes	Often
F. East Millbury Park.....	Never	Rarely	Sometimes	Often
G. Greenwood Street Park.....	Never	Rarely	Sometimes	Often
H. James Drenzo Playground.....	Never	Rarely	Sometimes	Often
I. Washington Street Park (Woolie World)	Never	Rarely	Sometimes	Often
J. West Millbury Playground (Jacques Field).....	Never	Rarely	Sometimes	Often
K. Butler Farm (dog park & community garden)	Never	Rarely	Sometimes	Often
L. Dorothy Pond Recreational Area.....	Never	Rarely	Sometimes	Often
M. Brierly Pond Conservation Area.....	Never	Rarely	Sometimes	Often
N. Davidson Sanctuary.....	Never	Rarely	Sometimes	Often
O. Town Common.....	Never	Rarely	Sometimes	Often
P. School Grounds (including Windle Field).....	Never	Rarely	Sometimes	Often
Q. Local ponds (including boat ramps).....	Never	Rarely	Sometimes	Often

16. Which new public recreation facilities do you feel are most needed? (*circle your top five choices*)

A. No new facilities	K. Trails
B. Boat access points	L. Playground
C. Fishing access points	M. Outdoor play structure
D. Municipal beach	N. Ballfield
E. Sprinkler pad	O. Basketball court
F. Community gardens	P. Skateboarding facility
G. Conservation areas	Q. Tennis court
H. Sidewalks	R. Picnic facility
I. Indoor recreation centers	S. Other (<i>specify</i>) _____

17. Which of the following special events, programs or efforts would you like to see in Millbury? (*Circle all that apply*)

A. No new events/programs	G. Nature outings
B. Community festivals	H. Road races
C. Concerts	I. Crafting activities
D. Dances	J. Youth programming/activities
E. Drama productions	K. Senior programming/activities
F. Farmers markets	L. Other (<i>specify</i>) _____

18. Which of the following strategies should the Town pursue regarding its recreation opportunities? (*rank your choices*)

- ☐ Publicize recreation opportunities
- ☐ Improve parking
- ☐ Improve handicapped accessibility
- ☐ Improve maintenance of existing recreational facilities
- ☐ None of the above. Recreation opportunities in Millbury are adequate and well known to residents

19. If you had \$100 to spend on the following capital improvements projects, how would you spend it? (*write the dollar amount you deem appropriate for each project so that the total is \$100. You may opt to allocate \$0 to specific project(s).*)

Capital Improvement Project	Amount
A. Roads maintenance	\$
B. Construction of emergency services complex for police/fire/EMS	\$
C. Renovation/expansion/replacement of Shaw School	\$
D. Parks improvements	\$
E. Streetscape improvements at Millbury Center	\$
F. Extending sewer infrastructure to Route 146	\$
G. Upgrading and expanding stormwater facilities	\$
H. Expanding and improving municipal cemeteries	\$
I. Replacing Brierly Pond Dam	\$
J. Other <i>specify</i>	\$
TOTAL	\$100

FINALLY.....SOME QUESTIONS ABOUT YOU!

20. How well do you know the neighbor you know the best? (*circle one*)

- A. I don't know any of my neighbors
- B. Prefer not to know my neighbors
- C. Say hello from a distance
- D. Feel comfortable asking a favor
- E. Visit socially on occasion
- F. Socialize frequently

21. Are you? (*circle one*)

- A. Male
- B. Female
- C. Other

22. What is your age? (*circle one*)

- A. 17 - 25 years old
- B. 26 - 40 years old
- C. 41 - 55 years old
- D. 56 - 70 years old
- E. 71 and older

23. How long have you been a resident of Millbury? (*circle one*)

- A. Less than 5 years
- B. 5 to 10 years
- C. 10 to 20 years
- D. More than 20 years

24. Which of the following best describes your current living situation? (*circle one*)

- A. Single adult living alone
- B. Single adult - shared quarters
- C. Single parent with children at home
- D. Couple without children
- E. Couple with children at home
- F. Couple with adult children not at home
- G. Other (*specify*) _____

25. Did you attend the 2017 Annual Town Meeting held on May 2, 2017 at the Millbury Jr/Sr High School? (*circle one*)

- A. Yes
- B. No

You are finished!!! Thank you for taking the time to fill out this survey. If there is anything else you would like to tell us about Millbury, its existing resources or your hopes for Millbury's future, we welcome your comments on the back of the cover letter.

Millbury Master Plan Survey 2018

Report Prepared by: Dr. Melinda R. Tarsi, Corey Ahonen, Kate Ashworth, Ama Bray, Matthew Cobb, Debora Coelho, Anthony Hebert, Keith Lane, Sean Peters, Tyler Sanford, Upahar Shah, Nicole Skyleson, Femi Stoltz, Andrew Sukeforth, Sabat Tejada, Azra Tukic; Bridgewater State University Master of Public Administration Program.

Methodology: The survey was administered via a web link to Qualtrics, as well as a paper survey mailed to all households within the town of Millbury. The survey ran from March 23, 2018 to April 13, 2018. The sample size is 971, inclusive of both modes, though the N for each question does not equal the sample size due to respondent omission. There are not sufficient demographic variables to calculate margin of error. Percentages are reported as whole numbers (and due to rounding may not sum to 100); frequency counts are in parentheses.

Sample Demographics:

Age

17 - 25 years old	1% (9)
26 - 40 years old	17% (134)
41 - 55 years old	27% (216)
56 – 70 years old	32% (257)
71 and older	22% (175)

Gender

Male	47% (366)
Female	49% (384)
Other	1% (9)

Residency in Millbury

Less than 5 years	19% (151)
5 to 10 years	10% (77)
10 to 20 years	17% (135)
More than 20 years	53% (426)

Current Living Situation

Single adult living alone	19% (143)
Single adult – shared quarters	5% (36)
Single parent with children at home	3% (25)
Couple without children	18% (134)
Couple with children at home	28% (212)
Couple with adult children not at home	24% (184)
Other	4% (27)

Neighbor Interaction – How well do you know the neighbor you know best?

I don't know any of my neighbors	3% (24)
Prefer not to know my neighbors	15% (118)
Say hello from a distance	13% (99)
Feel comfortable asking a favor	22% (174)
Visit socially on occasion	24% (189)
Socialize frequently	22% (175)

2017 Town Meeting Attendance

Yes	22% (172)
No	77% (598)

In your opinion, what are Millbury's three most important assets? *(Respondents could select up to 3 choices)*

Location	35% (739)
Natural Features/Open Spaces	15% (313)
Affordable Housing	14% (286)
Historic Buildings	12% (256)
Schools	9% (187)
Commerce/Business	8% (177)
Other	6% (133)

Do you think Millbury should encourage more of the following businesses?

	Yes	No	Unsure
Retail Services	69%	20%	11%
Hospitality/Restaurant	76%	16%	8%
Personal & Professional Services	72%	13%	14%
Construction/Building Trades	43%	34%	23%
High Tech & Emerging Industries	71%	18%	11%
Light Manufacturing & Warehousing	50%	34%	16%
Truck Terminals	11%	78%	11%
Farming (Agri-business)	68%	15%	17%
Remote/Telecommuting Business	48%	20%	30%

When it comes to Millbury's local economy, what are the Town's greatest challenges?
(Respondents could select up to 3 choices)

Empty Storefronts and/or Underutilized Buildings	26% (493)
Lack of Job Opportunities	13% (251)
Lack of Qualified Work Force	3% (62)
Inadequate Public Sewer/Water along Rt. 146	7% (138)
Inadequate Transportation Facilities	12% (232)
Inadequate Technological Infrastructure	7% (130)
Lack of Suitable Land for Commercial/Industrial Dev.	7% (126)
Lack of Adequate Tax Incentives for Business	11% (204)
Town Regulations too Restrictive to Business	6% (112)
Other	6% (116)

How should the Town and Aquarion Water Company fund sewer/water line extensions along Route 146?

Raise sewer/water user fees	3% (20)
Require property owners with frontage along Route 146 to cover extension costs through betterments	37% (278)
Split costs of extending sewer/water with developers	44% (329)
The Town and Aquarion Water Company should not help fund or extend water/sewer lines	14% (104)

Which of the following economic development strategies should the Town pursue regarding Millbury Center? *(Respondents could select up to 3 choices)*

Increase the number of parking spaces and/or the visibility of the municipal parking lot	18% (359)
Improve pedestrian and handicapped accessibility throughout Millbury Center	9% (190)
Make Millbury Center more attractive through streetscape improvements (i.e. landscaping, benches, public art)	24% (484)
Improve maintenance of public spaces (i.e. sidewalks, parking areas, the Town Common)	19% (379)
Adopt design guidelines for buildings, landscaping, parking, and signage	12% (231)
Increase the number of community events occurring in Millbury Center	14% (271)
Other	4% (89)

Which changes to the transportation system should occur in Millbury? *(Respondents could select up to 3 choices)*

Improve roadway maintenance	33% (659)
Improve pedestrian safety (sidewalks, ADA ramps, crosswalks, signals)	13% (270)
Expand bicycle accommodation (bike lanes, multi-purpose trails, etc.)	9% (177)
Improve directional signage	5% (93)
Install trees and landscaping along roadways	10% (206)
Expand public transportation by adding bus stops/bus routes	8% (156)
Expand transportation services (to medical appointments, shopping, rides to work) for the elderly & disabled	11% (216)
Limit cut-through traffic in neighborhoods	10% (194)
Other	3% (51)

Where should the Town accommodate new homes? *(Respondents could select all that apply)*

Evenly spread throughout town	38% (415)
Concentrated in village centers & established neighborhoods	11% (124)
Concentrated in undeveloped areas	22% (235)
Clustered on a portion of a parcel with remaining land protected open space	20% (212)
Other	8% (86)

What are the top housing needs in Millbury? *(Respondents could select up to 3 choices)*

Single-family homes on large lots	19% (297)
Single family homes on small lots	20% (314)
Townhouses	17% (273)
Garden-style apartments	13% (201)
In-law apartments	10% (160)
Assisted living, extended care and nursing facilities	16% (255)
Other	7% (105)

How important is it to preserve or protect the following?

	1 Least Important	2	3	4	5 Most Important
Buildings & sites of historic interest	6% (45)	6% (48)	17% (127)	23% (176)	48% (368)
Open spaces for recreation purposes	4% (32)	4% (33)	13% (97)	23% (176)	56% (427)
Farmland	6% (44)	6% (48)	18% (139)	23% (171)	47% (353)
Open spaces for conservation purposes	5% (38)	7% (56)	17% (126)	27% (204)	43% (327)
Open spaces to protect water quality/quantity	5% (35)	3% (23)	8% (60)	21% (160)	64% (489)
Scenic vistas	9% (63)	9% (67)	26% (186)	25% (176)	31% (225)
Other	17% (9)	N/A	4% (2)	2% (1)	76% (41)

To preserve open spaces, would you:

	Yes	No	Unsure
Support establishment of a surcharge on property taxes	15% (107)	61% (445)	24% (176)
Support town-sponsored land acquisition through appropriation	46% (337)	24% (177)	30% (223)

To preserve historic resources, would you:

	Yes	No	Unsure
Support establishment of a surcharge on property taxes	14% (100)	63% (458)	23% (163)
Support town-sponsored land acquisition through appropriation	42% (302)	26% (186)	33% (236)

Are you concerned about the following open space/historic resource-related issues in Millbury? *(Respondents could select up to 3 choices)*

Destruction of the town's character	13% (277)
Demolition of historic buildings	11% (225)
Disappearing wildlife habitat & forests	21% (427)
Disappearing farmland	12% (248)
Degradation of water bodies & wetlands	16% (319)
Degradation of drinking water supplies	16% (329)
Lack of adequate recreational facilities	10% (208)
Other	1% (19)

Should the Town promote the following measures to protect the environment?

	Yes	No	Unsure
Provide education & incentives to residents & property owners	81% (608)	10% (73)	9% (69)
Increased opportunities for recycling	80% (614)	10% (79)	9% (70)
Energy conservation initiatives	81% (610)	7% (54)	11% (83)
Alternative energy production (solar panels, wind energy)	73% (550)	13% (96)	14% (104)
Safe disposal of hazardous wastes	95% (730)	2% (15)	3% (21)
Annual earth day cleanups	86% (655)	4% (34)	10% (73)
Planting of street trees along major roadways	63% (480)	19% (141)	18% (136)
Low glare and efficient lighting	72% (541)	11% (83)	17% (125)
Anti-idling policy/campaign at municipal facilities	52% (386)	20% (147)	28% (213)

How often did you use the following public facilities last year?

	Never	Rarely	Sometimes	Often
Senior Center	67% (539)	14% (115)	11% (91)	7% (52)
Youth Center	87% (687)	8% (66)	3% (23)	1% (10)
Public Library	30% (236)	24% (194)	27% (214)	19% (149)
Asa Waters Mansion	38% (302)	30% (239)	25% (201)	6% (50)
Blackstone River Bikeway	43% (335)	18% (144)	27% (213)	12% (92)
East Millbury Park	67% (528)	14% (107)	13% (105)	6% (45)
Greenwood Street Park	70% (547)	14% (106)	12% (93)	5% (37)
James Dorenzo Park	84% (654)	8% (66)	6% (43)	2% (12)
Washington St. Park (Woolie World)	59% (459)	13% (100)	18% (140)	10% (81)
W. Millbury Playground (Jacques)	77% (602)	11% (87)	9% (71)	2% (16)
Butler Farm	73% (567)	12% (92)	10% (80)	5% (37)
Dorothy Pond Rec. Area	70% (545)	14% (108)	11% (89)	5% (37)
Brierly Pond	73% (574)	13% (105)	10% (76)	4% (28)
Davidson Sanctuary	78% (606)	13% (100)	7% (55)	1% (10)
Town Common	39% (307)	28% (222)	28% (219)	5% (38)
School Grounds (inc. Windle)	42% (330)	20% (157)	23% (179)	15% (115)
Local Ponds/Boat Ramps	48% (370)	19% (146)	20% (157)	12% (91)

Which new public recreation facilities do you feel are most needed? *(Respondents could select up to 5 choices)*

No new facilities	3% (94)
Boat access points	11% (326)
Fishing access points	4% (117)
Municipal beach	6% (157)
Sprinkler pad	5% (136)
Community gardens	5% (143)
Conservation areas	10% (287)
Sidewalks	4% (101)
Indoor recreation centers	5% (136)
Trails	5% (130)
Playground	6% (174)
Outdoor play structure	2% (59)
Ballfield	7% (212)
Basketball court	4% (100)
Skateboarding facility	8% (229)
Tennis court	6% (161)
Picnic facility	8% (228)
Other	2% (58)

Which of the following special events, programs or efforts would you like to see in Millbury? *(Respondents could select all that apply)*

No new events/programs	2% (48)
Community festivals	9% (252)
Concerts	15% (418)
Dances	5% (147)
Drama productions	6% (159)
Farmers markets	20% (575)
Nature outings	9% (252)
Road races	5% (147)
Crafting activities	8% (234)
Youth programing/activities	9% (256)
Senior programming/activities	8% (242)
Other	1% (38)

Which of the following strategies should the Town pursue regarding its recreation opportunities? *(Respondents ranked their choices; average scores are reported, with 1 being the first choice and 5 being the last choice)*

Publicize recreation opportunities	2
Improve parking	3
Improve handicapped accessibility	3
Improve maintenance of existing recreational facilities	2
None of the above. Recreation opportunities in Millbury are adequate and well known to residents	4

If you had \$100 to spend on the following capital improvements projects, how would you spend it? *(Respondents indicated dollar amounts for each category; average amounts are reported)*

Roads maintenance	\$49
Construction of emergency services complex for police/fire/EMS	\$15
Renovation/expansion/replacement of Shaw School	\$16
Parks improvements	\$9
Streetscape improvements at Millbury Center	\$8
Extending sewer infrastructure to Route 146	\$4
Upgrading and expanding stormwater facilities	\$5
Expanding and improving municipal cemeteries	\$4
Replacing Brierly Pond Dam	\$5
Other	\$5

MILLBURY MASTER PLAN 2016

TOWN OF MILLBURY



PUBLIC FORUM #1 SUMMARY

The public was invited to attend a Master Plan Public Forum on Tuesday, June 5, 2018 at 7:00 PM at the Millbury Senior Center. The purpose of the forum was three-fold: 1.) To present findings regarding an inventory and assessment of Millbury's existing resources, 2.) To review a vision and goals for the town's future and to discuss ideas about how to achieve them, and 3.) To solicit community input regarding these items.

At the meeting, attendees received a brief presentation that included information about the master plan process and why it is important for the Town. This presentation included facts about Millbury and a summary of a public opinion survey that was conducted by Bridgewater State University on the Town's behalf. Attendees then visited breakout stations to learn about and discuss master plan elements and goals.

Topics discussed at the breakout stations included:

- Land Use Zoning
- Transportation
- Town Facilities/Services
- Economic Development
- Open Space/Recreation/Natural Resources
- Housing
- Historic/Cultural Resources
- Sustainability

Attendees were provided with post-it notes to make comments, add thoughts and ask questions. Attendees were also provided with **5 small dots** per station to prioritize recommendations within each master plan element, placing up to 3 dots on any one item. Attendees were then provided with **3 large dots** to identify the goal, objective or strategy they believed was top 3 in importance across all master plan elements, using only one dot per item.

Summary sheets of the results of this exercise have been created. These sheets will assist with generating recommendations for the Master Plan. The summary sheets identify the element, goal, strategy and action, along with the number of small and large dots received. In reviewing this information, the actions that received a total of 10 or more small dots were highlighted. In addition, the top 5 actions receiving the most large dots were highlighted.

BSC Group with Community Circle and Barrett Planning Group LLC

TRANSPORTATION

GOAL: Improve all modes of transportation so that it is safe and easy for residents of all ages to get around

OBJECTIVE	SMALL DOTS	LARGE DOTS
IMPROVE AUTOMOBILE TRANSPORTATION		
Improve automobile transportation by improving the conditions of the roads.	0	0
Promote and permit charging stations for electric vehicles on private property (e.g. apartment buildings, large retailers and employment centers).	4	0
Expand Scenic Road Bylaw.	4	0
INCREASE PEDESTRIAN AND BICYCLE SAFETY		
Extend and repair sidewalks in key locations.	12	1
Make bicycling a viable transportation alternative/establish shared bicycle program.	6	0
Implement traffic calming measures (e.g. bump outs, flashing crosswalk signage).	14	1
Improve downtown sidewalks, ramps, and crosswalks to be ADA compliant.	16	10
PROVIDE SAFE AND VIABLE ALTERNATIVE MODES OF TRANSPORTATION		
Establish a commuter rail train stop on the Worcester Line.	9	2
Support continued WRTA shuttle service from Downtown to Shoppes at Blackstone Valley.	11	2
Increase local funding to provide more transportation options.	3	0

HOUSING

GOAL: Provide a range of housing options to accommodate people at different stages in the lifecycle and with a range of incomes.

OBJECTIVE	SMALL DOTS	LARGE DOTS
REGULATORY		
Provide incentives to developers for multifamily housing downtown (e.g. simplified approval process, reasonable parking requirements).	4	1
Provide incentives for the creation of affordable housing in market-rate developments.	2	0
Make it easier to create accessory dwelling units by allowing them “as of right,” with reasonable restrictions.	7	1
Create more flexible ways to preserve open space as part of new residential developments.	12	0
Encourage multifamily housing in village neighborhoods.	0	0
Explore options to preserve small, older single-family homes as permanently affordable housing.	7	0
Explore options for increasing senior housing in Millbury (e.g. small cottages, condos, apartments, congregate residences, assisted living) and identify ways to encourage them.	23	4

ECONOMIC DEVELOPMENT

GOAL: Promote economic development in order to increase the tax base and provide additional job opportunities.

OBJECTIVE	SMALL DOTS	LARGE DOTS
REGULATORY		
Explore creating a Business Improvement District (BID) for downtown Millbury.	9	3
Actively support and promote a “Buy Local” campaign.	9	0
Take steps to “streamline” and simplify the development review and permitting process for nonresidential development.	2	0
Commission a market and feasibility study for creating an office park.	3	1
Promote and publicize the contributions local businesses make to the community.	14	1
Institute quarterly meetings between government and the business community to improve communication and cooperation.	2	0
Establish and promote workforce development partnerships between the schools and business community.	4	0
Review land use policies and regulations to reduce or prevent conflicts between business development and residential neighborhoods.	11	0

LAND USE

GOAL: To retain the Town's character while accommodating future growth.

OBJECTIVE	SMALL DOTS	LARGE DOTS
STRATEGIES		
Increase population around Millbury Center.	2	0
Establish a demolition delay bylaw for historically or architecturally significant buildings.	13	1
Encourage development that will increase the tax base and minimize the need for additional Town services.	13	8
Encourage development in areas already served by existing utilities and services.	3	0
Adopt low impact development standards and other sustainable regulatory provisions for new development.	0	0
Relax zoning provisions to allow for more development.	6	0
Expand and provide infrastructure only if financed by betterments or by developer.	0	0
Expand infrastructure and utilities only to areas targeted for development by zoning or the Master Plan.	4	0
REVIEW AND UPDATE REGULATIONS		
Review town bylaws, zoning, etc. for clarity, ease of use and appropriateness regarding support of master plan goals.	18	5
Continue to permit Use Variances in lieu of zoning amendments.	0	0

COMMUNITY FACILITIES

GOAL: To preserve, maintain and/or enhance municipal facilities and services so that they meet the needs of all residents.

OBJECTIVE

UPGRADE THE TOWN'S FACILITIES AND SERVICES

Support Library in its efforts to expand its role in the community and increase programming to all ages.

Support School Department in its efforts to optimize its use of existing facilities (including renovation/expansion of Shaw Middle School).

Build a new Fire Station Headquarters at site of former McGrath High School.

Consider feasibility of reusing Dorothy Manor School for the Police Department.

Consider reuse possibilities for Butler Farm.

Continue to make system improvements to sewer and drainage systems.

MEET THE NEEDS OF ALL AGES

Maintain existing and expand programs and services to meet needs of Millbury's increasing senior citizen population (socializing, health and wellness, transportation, housing)

Meet the needs of Millbury's youth (education, recreation, health and wellness, transportation).

IMPROVE COMMUNICATION WITH RESIDENTS AND BUSINESSES

Update informational materials (both online and hard copy).

Provide clear and comprehensive information regarding existing resources.

INCREASE CAPACITY

Recruit additional volunteers.

Hire a grant writer to help obtain grant funding to meet capital improvement and service needs.

Hire a part time economic development coordinator or assistant to the Town Planner.

IDENTIFY GOALS AND IMPLEMENT MEASURES THAT PROTECT THE ENVIRONMENT

Conduct outreach to residents and businesses and provide information regarding sustainable practices.

Lead by example by reducing energy consumption in town-owned buildings (including installing solar facilities where appropriate).

Expedite permitting of renewable or alternative sources of energy.

SMALL DOTS	LARGE DOTS
12	4
10	11
9	7
12	4
5	0
11	2
16	4
3	1
2	1
3	0
2	0
5	1
0	2
0	0
6	0
2	0

NATURAL RESOURCES/OPEN SPACE

GOAL: To preserve, maintain and enhance the town's natural resources including its parks, conservation areas, waterways, wetlands, and other open spaces.

OBJECTIVE	SMALL LARGE	
	DOTS	DOTS
IMPROVE ACCESS TO AND INCREASE AWARENESS OF THE TOWN'S NATURAL AND RECREATIONAL RESOURCES	11	6
Provide comprehensive information about existing recreational resources (location/access to trails, athletic fields, ponds, docks, dog park, etc.)	2	0
Increase ADA compliance by upgrading existing inaccessible paths and parking lots to existing natural and recreational resources.	5	0
Conduct environmental education programming to inform to residents, businesses and visitors about Millbury's natural resources.		
MAINTAIN AND IMPROVE PARKS AND OTHER OUTDOOR RECREATIONAL FACILITIES		
Develop an existing conditions and maintenance plan for the town's parks, conservation areas, playgrounds and athletic fields.	9	1
Complete natural resources inventories (vernal pool certification, water quality assessments, wildlife inventories for a baseline of natural resources).	3	2
Restore Windle Field (managed by the School Department).	6	0
Replace seating and play accessories at playgrounds and athletic fields.	0	0
Pursue opportunities for funding to maintain and improve facilities such as additional plantings of shade trees/shade shelters.	5	0
DIVERSIFY RECREATIONAL OPPORTUNITIES	12	2
Work with landowners & stakeholders to pursue the Millbury Bike Path and the RH White "canal trail" and to finalize the Blackstone River Bikeway.	5	1
Increase access to water for fishing and passive recreation (boating, swimming, etc.).	3	0
Create a network of connections among the town's and abutting municipalities' open spaces and recreational facilities.	2	0
Provide playgrounds and pocket parks for all of the town's neighborhoods.	5	0
Improve the downtown common for community programming.	1	0
Establish concessions programs/facilities for bike and boat rentals.		
INCREASE CAPACITY	10	3
Establish "Friends Groups" and other volunteer stewards to assist with open space maintenance, natural resources inventories and public education.	1	1
Hire additional municipal staff to maintain open spaces.	5	0
Hire more staff - maintenance and grant writer to assist town with maintenance and funding for improvements.	0	0
Secure additional funds for maintenance and volunteer appreciation.		
IDENTIFY GOALS AND IMPLEMENT MEASURES THAT PROTECT THE ENVIRONMENT		
Conduct outreach to residents and businesses and provide information regarding sustainable practices.	0	0
Work with the Blackstone Watershed Association to identify areas of point source pollution along the Blackstone River & pursue mitigation options.	4	0
Continue to implement green infrastructure including rain gardens, infiltration basins etc. near waterways, wetlands and open spaces.	5	0
Review the town's bylaws and update where necessary.	4	0

CULTURAL/HISTORIC RESOURCES

GOAL: To preserve, protect and reuse the town's many cultural and historic resources and village centers and ensure that new development is in keeping with the town's historic character.

OBJECTIVE	SMALL DOTS		LARGE DOTS	
Identify and share the cultural and historic resources in Millbury				
Update and disseminate the inventory of the town's historic sites, villages and cultural landscapes.	7		1	1
Complete a scenic roads inventory w/ descriptions and photo documentation; identify characteristics and features to be preserved.	1		0	0
Post information about historic and cultural resources to the town's website and social media.	4		0	0
Build a sense of stewardship for historic resources among residents and businesses				
Reactivate the Millbury Historical Commission - fill empty positions, set an agenda, establish schedule/priorities for preservation efforts.	9		1	1
Build appreciation for historic resources/landscapes/village character through special events, interpretive signage & use of social media.	3		1	1
Coordinate preservation and education efforts with the Millbury Historical Society and Blackstone Heritage Corridor.	1		0	0
Recognize and support the Millbury Historical Society and Millbury Museum at the Asa Waters Mansion.	10		2	2
Work with neighborhood groups to encourage pride in ownership of historical property.	0		0	0
Protect and preserve Millbury's historic buildings				
Assess potential risks to cultural and historic resources and prioritize those that need protection.	9		2	2
Continue to encourage adaptation and reuse of former mill buildings for housing and commercial use.	6		0	0
Protect the historic character of the Village Centers, including the downtown, Millbury Common, Bramanville, etc.	5		0	0
Integrate the preservation of Millbury's historic character into economic development, housing and open space planning.	4		0	0
Identify and pursue financial resources: federal/state grants to conduct inventories, improve/rehabilitate existing resources, develop interpretive signage. Provide information for historic tax credit opportunities.	2		0	0
Hire a part time grant writer and project manager to assist the Town Planner with general funding applications and implementation, including historic and cultural resources.	5		1	1
Adopt Community Preservation Act to provide funds for historic preservation/open space protection/affordable housing/recreation.	2		1	1
Develop/enforce local controls				
Expand the Adaptive Reuse Overlay District Zoning Bylaw to additional areas of town.	0		0	0
Re-activate the Town of Millbury scenic road by-law intended to protect street trees and stone walls.	0		1	1
Implement a local Demolition Delay Bylaw. (Ex.: require a public hearing if a building older than 50 years is proposed for demolition.)	6		1	1
Develop one or more local historic districts to preserve the distinctive characteristics of buildings and places significant in town history; maintain and improve the settings of those buildings/places; encourage new designs compatible with existing buildings in the district.	5		0	0

Ranking of Large Dots (Top 5)

To identify the goal, objective, strategy that is top 3 across all master plan elements

Element	Goal	Action	Recommendation	Large Dots
Community Facilities	To preserve, maintain and/or enhance municipal facilities and services so that they meet the needs of all residents	Upgrade the Town's Facilities and Services	Support School Department in its efforts to optimize its use of existing facilities (including renovation/expansion of Shaw Middle School)	11
Transportation	To improve all modes of transportation so that it is safe and easy for residents of all ages to get around	Increase Pedestrian and Bicycle Safety	Improve downtown sidewalks, ramps, and crosswalks to be ADA compliant	10
Land Use	To retain the Town's character while accommodating future growth	Strategies	Encourage development that will increase the tax base and minimize the need for additional Town services	8
Community Facilities	To preserve, maintain and/or enhance municipal facilities and services so that they meet the needs of all residents	Upgrade the Town's Facilities and Services	Build a new Fire Station Headquarters at site of former McGrath High School	7
Natural Resources/ Open Space	To preserve, maintain and enhance the town's natural resources including its parks, conservation areas, waterways, wetlands, and other open spaces	Improve access to and increase awareness of the town's natural and recreational resources	Provide comprehensive information about existing recreational resources (location/access to trails, athletic fields, ponds, docks, dog park, etc.)	6

Ranking of Small Dots (Score of 10 or Higher)

To prioritize recommendations within each master plan element

Element	Goal	Action	Recommendation	Small Dots
Housing	To provide a range of housing options to accommodate people at different stages in the life cycle and with a range of incomes	Regulatory	Explore options for increasing senior housing in Millbury (e.g. small cottages, condos, apartments, congregate residences, assisted living) and identify ways to encourage them	23
Land Use	To retain the Town's character while accommodating future growth	Review and Update Regulations	Review town bylaws, zoning, etc. for clarity, ease of use and appropriateness regarding support of master plan goals	18
Transportation	To improve all modes of transportation so that it is safe and easy for residents of all ages to get around	Increase Pedestrian and Bicycle Safety	Improve downtown sidewalks, ramps, and crosswalks to be ADA compliant	16
Community Facilities	To preserve, maintain and/or enhance municipal facilities and services so that they meet the needs of all residents	Meet the Needs of All Ages	Maintain existing and expand programs and services to meet needs of Millbury's increasing senior citizen population (socializing, health and wellness, transportation, housing)	16
Transportation	To improve all modes of transportation so that it is safe and easy for residents of all ages to get around	Increase Pedestrian and Bicycle Safety	Implement traffic calming measures (e.g. bump outs, flashing crosswalk signage)	14
Economic Development	To promote economic development in order to increase the tax base and provide additional job	Regulatory	Promote and publicize the contributions local businesses make to the community	14
Land Use	To retain the Town's character while accommodating future growth	Strategies	Establish a demolition delay bylaw for historically or architecturally significant buildings.	13
Land Use	To retain the Town's character while accommodating future growth	Strategies	Encourage development that will increase the tax base and minimize the need for additional Town services.	13
Community Facilities	To preserve, maintain and/or enhance municipal facilities and services so that they meet the needs of all residents	Upgrade the Town's Facilities and Services	Support Library in its efforts to expand its role in the community and increase programming to all ages	12
Community Facilities	To preserve, maintain and/or enhance municipal facilities and services so that they meet the needs of all residents	Upgrade the Town's Facilities and Services	Consider feasibility of reusing Dorothy Manor School for the Police Department	12
Natural Resources/ Open Space	To preserve, maintain and enhance the town's natural resources including its parks, conservation areas, waterways, wetlands, and other open spaces	Diversity Recreational Opportunities	Work with landowners and stakeholders to pursue the Millbury Bike Path and the RH White "canal trail" and to finalize the Blackstone River Bikeway	12
Housing	To provide a range of housing options to accommodate people at different stages in the life cycle and with a range of incomes	Regulatory	Create more flexible ways to preserve open space as part of new residential developments	12
Transportation	To improve all modes of transportation so that it is safe and easy for residents of all ages to get around	Increase Pedestrian and Bicycle Safety	Extend and repair sidewalks in key locations	12

Element	Goal	Action	Recommendation	Small Dots
Economic Development	To promote economic development in order to increase the tax base and provide additional job opportunities	Regulatory	Review land use policies and regulations to reduce or prevent conflicts between business development and residential neighborhoods.	11
Natural Resources/ Open Space	To preserve, maintain and enhance the town's natural resources including its parks, conservation areas, waterways, wetlands, and other open spaces	Improve access to and increase awareness of the town's natural and recreational resources	Provide comprehensive information about existing recreational resources (location/access to trails, athletic fields, ponds, docks, dog park, etc.)	11
Community Facilities	To preserve, maintain and/or enhance municipal facilities and services so that they meet the needs of all residents	Upgrade the Town's Facilities and Services	Continue to make system improvements to sewer and drainage systems	11
Transportation	To improve all modes of transportation so that it is safe and easy for residents of all ages to get around	Provide Safe and Viable Alternative Modes of Transportation	Support continued WRTA shuttle service from Downtown to Shoppes at Blackstone Valley	11
Community Facilities	To preserve, maintain and/or enhance municipal facilities and services so that they meet the needs of all residents	Upgrade the Town's Facilities and Services	Support School Department in its efforts to optimize its use of existing facilities (including renovation/ expansion of Shaw Middle School)	10
Natural Resources/ Open Space	To preserve, maintain and enhance the town's natural resources including its parks, conservation areas, waterways, wetlands, and other open spaces	Increase Capacity	Establish "Friends Groups" and other volunteer stewards to assist with open space maintenance, natural resources inventories and public education	10
Cultural/ Historic Resources	To preserve, protect and reutilize the town's many cultural and historic resources and village centers and ensure that new development is in keeping with the town's historic character.	Identify and share the cultural and historic resources in Millbury	Recognize and support the Millbury Historical Society and Millbury Museum at the Asa Waters Mansion.	10

TOWN OF MILLBURY



Master Plan Public Forum
Thursday, October 4, 2018
Millbury Memorial High School
Media Center
12 Martin Street
7:00 PM – 9:00 PM

The public is invited to attend a final Public Forum to discuss key issues and future actions recommended in the Master Plan. This meeting is your opportunity to give us feedback on the Plan's key recommendations, refined since the June 5th forum, even if you have not participated to date. We need your feedback to finalize the plan!

If you care about Millbury and its future, here is an opportunity to learn about *and* have a role in the planning process. The master plan, based on your thoughts and ideas, covers a wide range of topics including:

- Land Use & Zoning
- Housing
- Transportation
- Sustainability
- Economic Development
- Historic and Cultural Resources
- Town Facilities & Services
- Open Space, Recreation & Natural Resources

Door prizes! Refreshments!

Childcare services will be offered at the forum from 7:00 PM to 9:00 PM.

(Please bring toys, books, or activities.)



LAND USE

ID	Objective / Strategy	Supporting Parties	Comments	Timeframe
GOAL: To retain the Town's character while accommodating future growth.				
LU-1	<p><i>Capitalize on vacant, undeveloped land adjacent to Routes 20, 122A and 146, particularly to enhance its commercial and industrial development base. 1 dot</i></p> <p>A. Millbury-Sutton Industrial Park – Route 122A Priority Development Area 5 dots</p> <ol style="list-style-type: none"> 1. Vacant land is available for the development of light industrial, manufacturing, and commercial use. Utilities will need to be installed. 2. Work with property owners and Town of Sutton on a development strategy and set of incentives for development. <p>B. Land Owned by Utilities/Railroads</p> <ol style="list-style-type: none"> 1. Evaluate and inventory land presently under the jurisdiction of utilities or railroads. 2. Work with utilities/railroads to identify surplus land that could be sold for development. 3. Implement land use controls to guide said development. <p>C. State Owned Rights of Way along Transportation Corridors</p> <ol style="list-style-type: none"> 1. Coordinate with the State to identify surplus land for development. 2. Work with the State on a strategy for surplus land disposition for development of said parcels. <p>D. Government/Municipal Land (Surplus) 1 dot</p> <ol style="list-style-type: none"> 1. Inventory/evaluate land owned by government and/or the town. 2. Identify what land could be leased/sold as surplus land, providing for the capture of additional tax revenues. <p>E. Southwest Cutoff/Rt. 20</p> <ol style="list-style-type: none"> 1. Re-zone to promote heavy industrial/manufacturing development at available land near Wheelabrator. 1 dot 	<ul style="list-style-type: none"> - Town Manager - Board of Selectmen - Planning Department - DPW Department - Planning Board - Aquarion Water Co. - Town of Sutton - MassDOT/DCAMM - G&W (P&W) Railroad - National Grid - Property Owners - Developers - Real Estate Brokers - Business Owners - Residents 	<p>Vacant land is limited- need to id parcels for future use as open space or community facilities</p> <p>#146 Gateway for Millbury Northbound side</p> <p>Gateway to Millbury north bound side</p> <p>Direnzo Parcel and Building</p> <p>Infrastructure pad ready sites</p>	
LU-2	<p><i>Evaluate zoning bylaws and adopt provisions to fully achieve the goals and vision of this master plan.</i></p> <p>A. Update Regulatory Framework</p> <ol style="list-style-type: none"> 1. Recodification of Zoning Bylaws <ol style="list-style-type: none"> a) Update zoning districts to clarify/streamline land use and permitting process. b) Use business zone as a buffer between commercial/industrial and residential uses. c) Make dimensional changes; incorporate dimensional and use tables into bylaws for better clarity and less confusion. d) Upon zoning re-write, evaluate whether overlay districts are needed. Make necessary changes/revisions/deletions. e) Update zoning district and overlay maps. f) Implement design review standards. 2. Re-activate Local Historical Commission 2 dots 	<ul style="list-style-type: none"> - Town Manager - Board of Selectmen - Planning Department - Planning Board - Zoning Board of Appeals - Conservation Commission - Residents 	<p>Dimensional land use tables</p> <p>Too much housing going in every little bit of land</p> <p>Increase business zones</p>	

LAND USE

	<p>a) Educate the public about the importance of preserving historical and cultural resources.</p> <p>b) Adopt a Demolition Delay Bylaw.</p> <p>c) Implement Local Historic District process/designation.</p> <p>d) Seek grant sources for the preservation of local historical and cultural resources.</p> <p>B. Adopt a Land Use Strategy for Future Growth- 18 jobs</p> <ol style="list-style-type: none">1. Adopt the Community Preservation Act.2. Update the Open Space and Recreation Plan.<ol style="list-style-type: none">a) Provide for additional protections to preserve open space/natural resources before they are lost to development.3. Focus commercial/industrial development in key transportation and business corridors only.4. Identify targeted areas for new residential development, particularly to meet the needs of the town's changing population – type, age, affordability, location, etc.			
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STATION QUESTIONS:LAND USE

What would you consider a sign of success in terms of meeting this goal in the future?

- Making the inventory for land use and targets
 - Adopt the CPA
 - A well balanced mixed use land plan is installed, supported that keeps character, pride and variety within the town
 - Better busing for children on outskirts of town
 - LU2 A1-B, Buffer Zone
 - Lu2 A2-D
-

Do you have any ideas regarding low-hanging fruit (or low cost relatively easy ways) of meeting this goal so we can start working on it right away?

- Work with local college to get an intern for the planner
- Reactivate local historic commission
- Start a dialogue with Sutton re: Millbury Sutton industrial park

LAND USE

ID	Objective / Strategy	Supporting Parties	Timeframe
GOAL: To retain the Town's character while accommodating future growth.			
LU-1	<p>Capitalize on vacant, undeveloped land adjacent to Routes 20, 122A and 146, particularly to enhance its commercial and industrial development base.</p> <p>A. Millbury-Sutton Industrial Park – Route 122A Priority Development Area</p> <ol style="list-style-type: none"> Vacant land is available for the development of light industrial, manufacturing, and commercial use. Utilities will need to be installed. Work with property owners and Town of Sutton on a development strategy and set of incentives for development. <p>Land Owned by Utilities/Railroads</p> <ol style="list-style-type: none"> Evaluate and inventory land presently under the jurisdiction of utilities or railroads. Work with utilities/railroads to identify surplus land that could be sold for development. Implement land use controls to guide said development. <p>State Owned Rights of Way along Transportation Corridors</p> <ol style="list-style-type: none"> Coordinate with the State to identify surplus land for development. Work with the State on a strategy for surplus land disposition for development of said parcels. <p>D. Government/Municipal Land (Surplus)</p> <ol style="list-style-type: none"> Inventory/evaluate land owned by government and/or the town. Identify what land could be leased/sold as surplus land, providing for the capture of additional tax revenues. <p>E. Southwest Cutoff/Rt. 20</p> <ol style="list-style-type: none"> Re-zone to promote heavy industrial/manufacturing development at available land near Wheelabrator. 	<ul style="list-style-type: none"> - Town Manager - Board of Selectmen - Planning Department - DPW Department - Planning Board - Aquarion Water Co. - Town of Sutton - MassDOT/DCAMM - G&W (P&W) Railroad - National Grid - Property Owners - Developers - Real Estate Brokers - Business Owners - Residents 	<p><i>Handwritten notes:</i></p> <ul style="list-style-type: none"> # 146 Cutoffway to Millbury Northbound & the Vacant Land is limited - not to 100 percent for future use as open space or community building Re-zone to Millbury Northbound to the D. Flanagan Valley at Sutton
LU-2	<p>Evaluate zoning bylaws and adopt provisions to fully achieve the goals and vision of this master plan.</p> <p>A. Update Regulatory Framework</p> <ol style="list-style-type: none"> Recodification of Zoning Bylaws <ol style="list-style-type: none"> Update zoning districts to clarify/streamline land use and permitting process. Use business zone as a buffer between commercial/industrial and residential uses. Make dimensional changes; incorporate dimensional and use tables into bylaws for better clarity and less confusion. Upon zoning re-write, evaluate whether overlay districts are needed. Make necessary changes/revisions/deletions. Update zoning district and overlay maps. Implement design review standards. Re-activate Local Historical Commission <ol style="list-style-type: none"> Educate the public about the importance of preserving historical and cultural resources. Adopt a Demolition Delay Bylaw. Implement Local Historic District process/designation. Seek grant sources for the preservation of local historical and cultural resources. <p>B. Adopt a Land Use Strategy for Future Growth</p> <ol style="list-style-type: none"> Adopt the Community Preservation Act. Update the Open Space and Recreation Plan. <ol style="list-style-type: none"> Provide for additional protections to preserve open space/natural resources before they are lost to development. Focus commercial/industrial development in key transportation and business corridors only. Identify targeted areas for new residential development, particularly to meet the needs of the town's changing population – type, age, affordability, location, etc. 	<ul style="list-style-type: none"> - Town Manager - Board of Selectmen - Planning Department - Planning Board - Zoning Board of Appeals - Conservation Commission - Residents <p><i>Handwritten notes:</i></p> <ul style="list-style-type: none"> - Too much housing on going on in every little bit of land Increase Business Zones 	

Dimensional and use tables.

HOUSING

ID	Objective / Strategy	Supporting Parties in the lifecycle and with a range of incomes.	COMMENTS	Timeframe
H-1	<p>Encourage accessory dwelling units as an opportunity to create affordably priced housing in established neighborhoods.</p> <p>A. Regulatory Changes 1 dot</p> <ol style="list-style-type: none"> 1. Consider allowing interior accessory dwellings as of right in all Residential and Suburban Districts, subject to conformance with basic conditions such as those listed under Sec. 46.2. 2. Increase the maximum floor area for an accessory dwelling. 3. Regulate exterior accessory dwellings, i.e., in detached accessory buildings, by special permit. 	<ul style="list-style-type: none"> - Town Manager - Planning Department - Board of Selectmen - Residents 		
H-2	<p>Create more flexible ways to preserve open space as part of new residential developments.</p> <p>A. Regulatory Changes</p> <ol style="list-style-type: none"> 1. Consider modifying the existing Section 44 by replacing the yield plan requirement (to determine the maximum number of lots in a conventional plan) with a simple net land area formula. 2. Streamline the submission process for small Open Space Community (OSC) developments, e.g., under 6 lots. 	<ul style="list-style-type: none"> - Town Manager - Planning Department - Planning Board 		
H-3	<p>Ensure that Millbury remains affordable to many types of households as it grows and attracts higher-income families who find the town a desirable place to live.</p> <p>A. Encourage Creation of Affordable Housing 15 dots</p> <ol style="list-style-type: none"> 1. Adopt the Community Preservation Act (CPA) to provide dedicated revenue for subsidized affordable housing. 2. Adopt an effective inclusionary zoning bylaw that provides built-in "bonus unit" incentives for affordability. 3. Require projects over a certain size to provide affordable units on site in the proposed development while allowing small projects the option to pay a fee in lieu to the Millbury Affordable Housing Trust Fund. (See H-4 below.) 4. Use Trust Fund and other resources to acquire land for small-scale affordable housing and existing buildings that can be redeveloped for mixed-income housing. 5. Use the Request for Proposals (RFP) process under Chapter 308 to find competent developers to create affordable housing with municipally owned property. 6. Work with developers of assisted living residences to create some affordable units even if the units cannot qualify for the Chapter 40B Subsidized Housing Inventory. 7. Work with developers of commercial property to create mixed-use developments that include both market-rate and affordable units. 	<ul style="list-style-type: none"> - Town Manager - Planning Department - Planning Board - Board of Selectmen - Residential Developers - Residents 		

H-4	<p><i>Increase local capacity to create and preserve affordable housing so that people who work in Millbury can choose to live in Millbury as well.</i></p> <p>A. Millbury Affordable Housing Trust 1 dot</p> <ol style="list-style-type: none"> 1. Recruit qualified, interested residents to serve on the Millbury Affordable Housing Trust (MAHT). 2. Provide CPA funds or other resources to the MAHT to obtain training and technical assistance and to develop a housing trust strategic plan. 3. Work with surrounding towns to create and fund a regional housing coordinator comparable to the Regional Housing Services Office (RHISO) serving Acton, Concord, Sudbury, and neighboring communities. This will require an inter-local agreement with participating towns. 4. Seek training resources for the Planning Board, Board of Selectmen, ZBA, and others to negotiate with developers to create affordable units in new developments even without an inclusionary zoning bylaw. 5. Conduct an affordable housing needs assessment through a partnership of the MAHT and Council on Aging. 6. Consider allowing nonresidents to serve on the MAHT to recruit people with specialized knowledge or breadth of experience with affordable housing development. 	<ul style="list-style-type: none"> - Town Manager - Planning Department - Board of Selectmen - Planning Board - Zoning Board of Appeals - Neighboring Towns - Residential Developers - Residents 	
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STATION QUESTIONS: HOUSING

What would you consider a sign of success in terms of meeting this goal in the future?

- Need affordable housing for elderly
- Senior housing is very important
- When more housing is constructed adopt universal design and adaptability, so housing is accessible or can easily be made accessible for all
- Senior housing (One Level)
- Elderly housing available and take better care of the elderly housing that we have
- Reaching the 10% affordable housing threshold
- Senior housing priority- to get there we must streamline the process of approval. Make zoning and regulations favorable to this goal. Have as much of the process resolved before beginning by having clear and consistent regulations
- More low cost housing
- Partner with non profit for housing
- Affordable housing % increased
- More affordable housing and educate people about what affordable housing is

Do you have any ideas regarding low-hanging fruit (or low cost relatively easy ways) of meeting this goal so we can start working on it right away?

HOUSING

ID	Objective / Strategy	Supporting Parties	Timeframe
GOAL: To provide a range of housing options to accommodate people at different stages in the lifecycle and with a range of incomes.			
H-1 ④	<p>Encourage accessory dwelling units as an opportunity to create affordably priced housing in established neighborhoods.</p> <p>A. Regulatory Changes</p> <ol style="list-style-type: none"> 1. Consider allowing interior accessory dwellings as of right in all Residential and Suburban Districts, subject to conformance with basic conditions such as those listed under Sec. 46.2. 2. Increase the maximum floor area for an accessory dwelling. 3. Regulate exterior accessory dwellings, i.e., in detached accessory buildings, by special permit. 	<ul style="list-style-type: none"> - Town Manager - Planning Department - Board of Selectmen - Residents 	
H-2	<p>Create more flexible ways to preserve open space as part of new residential developments.</p> <p>A. Regulatory Changes</p> <ol style="list-style-type: none"> 1. Consider modifying the existing Section 44 by replacing the yield plan requirement (to determine the maximum number of lots in a conventional plan) with a simple net land area formula. 2. Streamline the submission process for small Open Space Community (OSC) developments, e.g., under 6 lots. 	<ul style="list-style-type: none"> - Town Manager - Planning Department - Planning Board 	
H-3	<p>Ensure that Millbury remains affordable to many types of households as it grows and attracts higher-income families who find the town a desirable place to live.</p> <p>A. Encourage Creation of Affordable Housing</p> <ol style="list-style-type: none"> 1. Adopt the Community Preservation Act (CPA) to provide dedicated revenue for subsidized affordable housing. 2. Adopt an effective inclusionary zoning bylaw that provides built-in "bonus unit" incentives for affordability. 3. Require projects over a certain size to provide affordable units on site in the proposed development while allowing small projects the option to pay a fee in lieu to the Millbury Affordable Housing Trust Fund. (See H-4 below.) 4. Use Trust Fund and other resources to acquire land for small-scale affordable housing and existing buildings that can be redeveloped for mixed-income housing. 5. Use the Request for Proposals (RFP) process under Chapter 30B to find competent developers to create affordable housing with municipally owned property. 6. Work with developers of assisted living residences to create some affordable units even if the units cannot qualify for the Chapter 40B Subsidized Housing Inventory. 7. Work with developers of commercial property to create mixed-use developments that include both market-rate and affordable units. 	<ul style="list-style-type: none"> - Town Manager - Planning Department - Planning Board - Board of Selectmen - Residential Developers - Residents 	
H-4 ⑤	<p>Increase local capacity to create and preserve affordable housing so that people who work in Millbury can choose to live in Millbury as well.</p> <p>A. Millbury Affordable Housing Trust</p> <ol style="list-style-type: none"> 1. Recruit qualified, interested residents to serve on the Millbury Affordable Housing Trust (MAHT). 2. Provide CPA funds or other resources to the MAHT to obtain training and technical assistance and to develop a housing trust strategic plan. 3. Work with surrounding towns to create and fund a regional housing coordinator comparable to the Regional Housing Services Office (RHOO) serving Acton, Concord, Sudbury, and neighboring communities. This will require an inter-local agreement with participating towns. 4. Seek training resources for the Planning Board, Board of Selectmen, ZBA, and others to negotiate with developers to create affordable units in new developments even without an inclusionary zoning bylaw. 5. Conduct an affordable housing needs assessment through a partnership of the MAHT and Council on Aging. 6. Consider allowing nonresidents to serve on the MAHT to recruit people with specialized knowledge or breadth of experience with affordable housing development. 	<ul style="list-style-type: none"> - Town Manager - Planning Department - Board of Selectmen - Planning Board - Zoning Board of Appeals - Neighboring Towns - Residential Developers - Residents 	

ECONOMIC DEVELOPMENT

ID	Objective / Strategy	GOAL: Promote economic development to increase the tax base and provide additional job opportunities.	Supporting Parties	COMMENTS	Timeframe
ED-1	<p>Foster small business development in the center of Town.</p> <p>A. Promote Small Businesses: 10 dots total</p> <ol style="list-style-type: none">1. Actively support a "Buy Local" campaign. 1 dot<ol style="list-style-type: none">a) Create a series of downtown events to generate foot traffic in the area.2. Promote and publicize the contributions local businesses make to the community. 1 dot3. Work to create relationships with property owners.<ol style="list-style-type: none">a) Inventory available downtown ground floor space and identify preferred uses for these spaces to help market them.4. Create a small business financial assistance program to fund façade loans, equipment loans, assist with start-up costs, etc.5. Create a downtown merchants' association in the short-term to advance efforts in the creation of a Business Improvement District (BID) for Downtown Millbury over the long-term. 2 dots		<ul style="list-style-type: none">- Town Manager- Board of Selectmen- Planning Department- Business Community- Business Owners- Property Owners- Real Estate Professionals- Residents- Blackstone Valley Chamber of Commerce	<ul style="list-style-type: none">• Empty storefronts should be filled• More support for ED-3	
ED-2	<p>Focus on large-scale development along main transportation corridors.</p> <p>A. Attract New Business 2 dots</p> <ol style="list-style-type: none">1. Inventory larger parcels of land available for development. Keep inventory updated.2. Create an infrastructure plan to upgrade infrastructure system and support future development in these corridors. <p>B. Support Business Growth and Development 9 dots</p> <ol style="list-style-type: none">1. Create financial incentive programs to attract commercial and industrial development. Examples include funding for environmental site assessments/cleanup, equipment loans, tax increment financing packages, and EDIP incentives.2. Take steps to "streamline" and simplify the development review and permitting process for nonresidential development.3. Survey existing property owners and business owners in commercial/industrial zones to determine what needs are not being met.4. Review land use policies and regulations to reduce or prevent conflicts between business development and residential neighborhoods.		<ul style="list-style-type: none">- Planning Department- DPW Department- Town Manager- Board of Selectmen- Property Owners- Developers- Business Owners- Residents	<ul style="list-style-type: none">• Be open to new ideas from the private sector• ED-2 #2 streamline permitting process• Add economic coordinator position• Create more arts related activity	
ED-3	<p>Increase staffing capacity to focus on economic development growth.</p> <p>A. Economic Development 4 dots</p> <ol style="list-style-type: none">1. Add an Economic Development Coordinator position to the Planning Department.		<ul style="list-style-type: none">- Town Manager- Board of Selectmen- Residents	<ul style="list-style-type: none">• Accessing grant funding would be useful for such a position	

	a) Focus on downtown development, small business marketing and support, grant writing, incentive programs, inventories, etc.			
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- Other Comments:
- Bring water and sewer to the 146 properties
 - Fill the empty storefronts downtown- are rents competitive?
 - Fill in business openings in downtown area
 - Research historic renovation grants for downtown
 - Main street improvement grants.
 - Would be great to see empty spaces utilized, ED-1, 3, A
 - Farmer's market prepared foods, craft vendors, music and art

STATION QUESTIONS: ECONOMIC DEVELOPMENT

What would you consider a sign of success in terms of meeting this goal in the future?

- Larger commercial developments and industry
 - Ed-1, A4, A5: downtown needs a more cohesive look
 - More industry
 - There not much highway accessible land left for commercial development- need to id and prioritize, make sure zoning is appropriate.
-

Do you have any ideas regarding low-hanging fruit (or low cost relatively easy ways) of meeting this goal so we can start working on it right away?

- Inventory large parcels of land

FARMERS
MARKET
PREPARED
FOODS
CRAFT
ITEMS
MARKET

Would be good
to see empty
spaces utilized
ED 1, 3, A ✓

ECONOMIC DEVELOPMENT

ID	Objective / Strategy	Supporting Parties	Timeframe
GOAL: Promote economic development to increase the tax base and provide additional jobs in the center of Town.			
ED-1	<p>Foster small business development in the center of Town.</p> <p>A. Promote Small Businesses</p> <ul style="list-style-type: none"> Actively support a "Buy Local" campaign. <ul style="list-style-type: none"> Create a series of downtown events to generate foot traffic in the area. Promote and publicize the contributions local businesses make to the community. Work to create relationships with property owners. <ul style="list-style-type: none"> Inventory available downtown ground floor space and identify preferred uses for these spaces to help market them. Create a small business financial assistance program to fund façade loans, equipment loans, assist with start-up costs, etc. Create a downtown merchants' association in the short-term to advance efforts in the creation of a Business Improvement District (BID) for Downtown Millbury over the long-term. 	<ul style="list-style-type: none"> Town Manager Board of Selectmen Planning Department Business Community Business Owners Property Owners Real Estate Professionals Residents Blackstone Valley Chamber of Commerce <p><i>Link by planning dept. to be filed</i></p> <p><i>ADDER SUPPORT FOR ED-3</i></p>	
ED-2	<p>Focus on large-scale development along main transportation corridors.</p> <p>A. Attract New Business</p> <ul style="list-style-type: none"> Inventory larger parcels of land available for development. Keep inventory updated. Create an infrastructure plan to upgrade infrastructure system and support future development in these corridors. <p>B. Support Business Growth and Development</p> <p>Create financial incentive programs to attract commercial and industrial development. Examples include funding for environmental site assessments/cleanup, equipment loans, tax increment financing packages, and EDIP incentives.</p> <ul style="list-style-type: none"> Take steps to "streamline" and simplify the development review and permitting process for nonresidential development. Survey existing property owners and business owners in commercial/industrial zones to determine what needs are not being met. Review land use policies and regulations to reduce or prevent conflicts between business development and residential neighborhoods. 	<ul style="list-style-type: none"> Planning Department DPW Department Town Manager Board of Selectmen Property Owners Developers Business Owners Residents <p><i>Be open to ideas from non private sector</i></p> <p><i>ADD Economic Development Commission</i></p> <p><i>ED-2</i></p> <p><i>STRAIGHT LINE</i></p> <p><i>to be reviewed</i></p> <p><i>Create new and more active related activity</i></p>	
ED-3	<p>Increase staffing capacity to focus on economic development growth.</p> <p>A. Economic Development</p> <ul style="list-style-type: none"> Add an Economic Development Coordinator position to the Planning Department. <ul style="list-style-type: none"> Focus on downtown development, small business marketing and support, grant writing, incentive programs, inventories, etc. 	<ul style="list-style-type: none"> Town Manager Board of Selectmen Residents <p><i>Fill in business openings in downtown area</i></p> <p><i>Accessing grant funding would be useful for such a position</i></p> <p><i>Bring water & sewer to the 146 properties!</i></p> <p><i>Fill in business openings in downtown area</i></p> <p><i>Review grants for downtown</i></p> <p><i>Make Street improvement grant</i></p>	

HISTORIC AND CULTURAL RESOURCES

ID	Objective / Strategy	Supporting Parties	Comments	Timeframe
HR-1	<p>GOAL: To preserve, protect, and reutilize the many cultural and historic resources and village centers, and to ensure that new development is consistent with the town's historic character.</p> <p><i>Integrate the preservation of Millbury's historic character into economic development, housing, and open space policy/regulatory framework.</i></p> <p>A. Local Historical Commission</p> <ol style="list-style-type: none"> 1. Re-activate Local Historical Commission 10 dots <ol style="list-style-type: none"> a) Educate the public about the importance of preserving historical and cultural resources. b) Adopt a Demolition Delay Bylaw. c) Implement Local Historic District process/designation. d) Seek grant sources for the preservation of local historical and cultural resources. 2. Recommend and implement various regulatory/policy changes. <ol style="list-style-type: none"> a) Demolition delay bylaw to provide time for the town to react before significant resources are destroyed. 2 dots b) Local historic district designation regulations to preserve historic landscapes. c) Expansion of the existing Adaptive Reuse Overlay District to additional areas in town, as appropriate. d) Design guidelines, particularly within historic areas, to ensure that new development is consistent with the Town's character. e) Local tax credit program for rehabilitation of historic properties. 2 dots 3. Update and computerize the 1989 comprehensive inventory of architectural and archaeological resources in Millbury to establish preservation priorities and identify potential future uses. <ol style="list-style-type: none"> a) Use the inventory to identify cultural resources which may be at risk due of damage or destruction due to increased duration or severity of storms associated with climate change, e.g., resources within the 100-year flood zone or agricultural areas prone to erosion. b) Apply for preservation grants/awards. 5 dots 	<ul style="list-style-type: none"> - Town Manager - Board of Selectmen - Planning Department - Planning Board - Historical Commission - Massachusetts Historical Commission 	<p>Of historical importance- the dirt section of Dwinell Road and a small portion west of the Old Common is the last remaining section of the original Worcester/Providence turnpike</p>	

HISTORIC AND CULTURAL RESOURCES

HR-2	<p><i>Work with community groups to educate the public as to the importance of the Town's existing historic and cultural resources.</i></p> <p>A. Compile Information and Improve Outreach & Education Efforts</p> <ol style="list-style-type: none"> 1. Establish protocols to actively share information about the importance of protecting cultural resources and heritage landscapes with the public. 1 dot 2. Incorporate the use of social media, pop-up events, and school outreach. 3. Take steps to make resources pertaining to architectural preservation available to homeowners. This may include adding to the Town's website, distributing lists to local realtors, and general community outreach. 1 dot 4. Foster a sense of stewardship for historic resources and landscapes among residents and businesses. 	<ul style="list-style-type: none"> - Town Manager - Historical Commission - Millbury Historical Society - Massachusetts Historical Commission - Asa Waters Mansion - Blackstone Corridor, Inc. - Blackstone Chamber of Commerce - Residents 	<p>Not aware of some of these historical sites- need to point these out better</p>
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Other:

CPA: **6 dots**

- Do not allow historical structures to be demolished
- A1,B,C- save historical properties
- Put up historical placards
- Maintain historical resources critical and valuable

STATION QUESTIONS: HISTORIC

What would you consider a sign of success in terms of meeting this goal in the future?

- Update architect inventory and use to apply for grants
 - Agree to reactivate the historic commission
 - Education
 - Preservation of our historic buildings
 - Reorganize and revitalize the historical commission
 - Volunteers and committees are actively supporting and operating the keys sites and facilities 1 dot
 - Community preservation act
 - Millbury historic resources are a travel destination for tourists (\$ in town) and are a prideful asset the town residents support and are interested in.
 - Historic home plaques
-

Do you have any ideas regarding low-hanging fruit (or low cost relatively easy ways) of meeting this goal so we can start working on it right away?

- Energize an army of volunteers
- Plant elm trees on town properties or chestnut trees

HISTORIC AND CULTURAL RESOURCES

ID	Objective / Strategy	Supporting Parties	Timeframe
GOAL: To preserve, protect, and reutilize the many cultural and historic resources and village centers, and to ensure that new development is consistent with the town's historic character.			
HR-1	<p><i>Integrate the preservation of Millbury's historic character into economic development, housing, and open space policy/regulatory framework.</i></p> <p>A. Local Historical Commission</p> <ol style="list-style-type: none"> 1. Re-activate Local Historical Commission <ol style="list-style-type: none"> a) Educate the public about the importance of preserving historical and cultural resources. b) Adopt a Demolition Delay Bylaw. c) Implement Local Historic District process/designation. d) Seek grant sources for the preservation of local historical and cultural resources. 2. Recommend and implement various regulatory/policy changes. <ol style="list-style-type: none"> a) Demolition delay bylaw to provide time for the town to react before significant resources are destroyed. b) Local historic district designation regulations to preserve historic landscapes. c) Expansion of the existing Adaptive Reuse Overlay District to additional areas in town, as appropriate. d) Design guidelines, particularly within historic areas, to ensure that new development is consistent with the Town's character. e) Local tax credit program for rehabilitation of historic properties. 3. Update and computerize the 1989 comprehensive inventory of architectural and archaeological resources in Millbury to establish preservation priorities and identify potential future uses. <ol style="list-style-type: none"> a) Use the inventory to identify cultural resources which may be at risk due of damage or destruction due to increased duration or severity of storms associated with climate change, e.g., resources within the 100-year flood zone or agricultural areas prone to erosion. b) Apply for preservation grants/awards. 	<ul style="list-style-type: none"> - Town Manager - Board of Selectmen - Planning Department - Planning Board - Historical Commission - Massachusetts Historical Commission <p><i>of historical importance The Best Section of Dunell Hill and a small portion of west of the old town The last remaining section of the original millstone quarry stone</i></p>	
HR-2	<p><i>Work with community groups to educate the public as to the importance of the Town's existing historic and cultural resources.</i></p> <p>A. Compile Information and Improve Outreach & Education Efforts</p> <ol style="list-style-type: none"> 1. Establish protocols to actively share information about the importance of protecting cultural resources with the public. 2. Incorporate the use of social media, pop-up events, and school outreach. 3. Take steps to make resources pertaining to architectural preservation available to homeowners. This to the Town's website, distributing lists to local realtors, and general community outreach. 4. Foster a sense of stewardship for historic resources and landscapes among residents and businesses. 	<ul style="list-style-type: none"> - Town Manager - Historical Commission - Millbury Historical Society - Massachusetts Historical Commission - Asa Waters Mansion - Blackstone Corridor, Inc. - Blackstone Chamber of Commerce - Residents <p><i>Not enough of same old historic sites, about the heritage of Millbury</i></p> <p><i>Put up historical plaques</i></p> <p><i>Maintaining historic resources critical to village value</i></p>	

NATURAL RESOURCES AND OPEN SPACE & RECREATION

ID	Objective / Strategy	Supporting Parties	Comments	Timeframe
	GOAL: To preserve, maintain and enhance the town's natural resources, including its parks, conservation areas, waterways, wetlands, and other open spaces.			
NR-1	<p>Maintain and protect the town's natural resources through improved regulatory controls and infrastructure upgrades.</p> <p>A. Enhanced Regulatory Controls</p> <ol style="list-style-type: none"> 1. Evaluate and modify environmental regulatory controls to incorporate them as one article in the Zoning Bylaws. 2. Incorporate additional environmental controls relative to: <ol style="list-style-type: none"> a) Stormwater Bylaw b) Wetlands Bylaw c) Low-Impact Development d) Energy/Sustainable Development 2 dots 3. Enforce Zoning Bylaws relative to revised environmental regulatory controls. <p>B. Infrastructure Upgrades</p> <ol style="list-style-type: none"> 1. Create an implementation plan for catch basin and other stormwater upgrades. <ol style="list-style-type: none"> a) Continue to implement MS4 NPDES Permit and Stormwater Management Program. 2. Expand efforts to incorporate low impact development principles and green infrastructure into the town's capital infrastructure plan. 2 dots 3. Continue to implement Millbury's Energy Reduction Plan and encourage the placement of alternative energy facilities within town. 	<ul style="list-style-type: none"> - Town Manager - Board of Selectmen - Planning Department - DPW Department - Planning Board - Conservation Commission - Residents 		
NR-2	<p>Protect the integrity of the Town's ecosystem and natural landscapes as development continues in Millbury.</p> <p>A. Identify, inventory, and Update 1 dot</p> <ol style="list-style-type: none"> 1. Update the comprehensive baseline inventory of all existing natural resources. 2. Identify lands critical to ecological function. 3. Identify stream/habitat continuity upgrades. 4. Identify the most important contributing parcels and make them preservation priorities. <p>B. Pursue Funding Opportunities 4 dots</p> <ol style="list-style-type: none"> 1. Complete outreach and education to pursue adoption of Community Preservation Act. 2. Apply for additional MVP/resiliency funding. 3. Apply for additional Green Communities funding. 4. Partner with watershed associations and other environmental groups to seek grants for resource protection. 	<ul style="list-style-type: none"> - Town Manager - Board of Selectmen - Planning Department - Planning Board - Conservation Commission - Blackstone Heritage Corridor - Blackstone Chamber of Commerce - Other Conservation Groups - Residents - Youth Groups - MA EEA/DCR 	<p>Town already applies for Greed Communities Funding</p> <p>Golf Course- purchase and manage 9 hole course</p> <p>Purchase and Preserve Clearview</p>	
NR-3 OS-1	<p>Improve access to and increase awareness of the town's natural resources, open spaces and recreation opportunities.</p> <p>A. Education and Outreach 11 dots</p> <ol style="list-style-type: none"> 1. Strengthen existing partnerships with conservation organizations/groups to conduct environmental education programming to inform residents, businesses and visitors about Millbury's natural resources. 2. Engage watershed group and volunteers to continue and expand community clean ups, resource inventories, vernal pool certifications. 	<ul style="list-style-type: none"> - Town Manager - Board of Selectmen - Planning Department - Planning Board - Conservation Commission - Blackstone Heritage Corridor - Blackstone Chamber of Commerce - Other Conservation Groups - Residents 	<p>More Volunteers- don't add more municipal employees</p> <p>Lakes and Ponds: Ramshorn Da, was a good start for improved access- are there opportunities for</p>	

NATURAL RESOURCES AND OPEN SPACE & RECREATION

	<p>3. Create informational flyers about the town's natural resources for public distribution, post to the town's website, use social media to promote.</p> <p>B. Increase Staffing Capacity 1 dot</p> <ol style="list-style-type: none"> 1. Create a Conservation Planner/Agent position in the Planning Department. <ol style="list-style-type: none"> a) Staff the Conservation Commission and enforce the Wetlands Protection Act and Orders of Condition. b) Oversee and manage town-owned conservation land, conservation restrictions, easements and open space set asides deemed to the commission c) Act as a liaison between town and the public, State agencies, conservation groups, land trusts and related entities. d) Update and maintain inventories of natural resources, including the Open Space and Recreation Plan. e) Vulnerability planning and sustainability efforts. f) Updated mapping. g) Grant writing. h) Other strategic initiatives. 	<ul style="list-style-type: none"> - Youth Groups - MA EEA/DCR 	<p>Access at Singletary or Dorothy or Brierly</p>
OS-2	<p><i>Focus on the preservation of agricultural landscapes.</i></p> <p>A. Agricultural Preservation Restriction (APR) Program</p> <ol style="list-style-type: none"> 1. Promote protection of additional agricultural land within town prior to threat of development. 3 dots 2. Exercise town's right of first refusal when farmland is released from the APR program. 1 dot 3. Provide outreach to the non-APR farms about the APR program. 4. Establish partnerships with local land trusts to secure conservation restrictions to protect farmlands from future development. 1 dot 	<ul style="list-style-type: none"> - Town Manager - Board of Selectmen - Planning Department - Conservation Commission - Agricultural Property Owners - Other Conservation Groups - MA EEA/DCR 	
OS-3	<p><i>Improve physical access to the town's open space resources.</i></p> <p>A. Increase Visibility/Accessibility</p> <ol style="list-style-type: none"> 1. Install wayfinding signs at entryways and within open space resources. 2 dots 2. Install informational kiosks/bulletin display boards to provide an opportunity to share information with the public about upcoming activities, open space rules and regulations, and opportunities to volunteer. 1 dot 3. GPS the local trail system and create maps to publish on the town website. 1 dot 4. Upgrade some of the trails to provide universal access; <p>B. Identify and Pursue Funding Opportunities</p> <ol style="list-style-type: none"> 1. Adopt the Community Preservation Act to assist with preservation of open space. Use CPA funds for acquisition, creation, and preservation of open space, including capital expenditures. 1 dot 2. Seek recreational trail funding for trail improvements. 4 dots 3. Consider corporate partnerships/advertising at athletic fields and playgrounds for monetary assistance. 	<ul style="list-style-type: none"> - Town Manager - Board of Selectmen - Planning Department - Conservation Commission - Blackstone Heritage Corridor - Other Conservation Groups - Residents - Youth Groups - MA EEA/DCR 	
OS-4	<p><i>Maintain and protect the town's open space and recreation facilities through improved regulatory controls, acquisition of additional open space, and infrastructure upgrades.</i></p> <p>A. Improve Regulatory Controls</p> <ol style="list-style-type: none"> 1. Adopt additional considerations relative to the Open Space Community Bylaw. 1 dot 	<ul style="list-style-type: none"> - Town Manager - Board of Selectmen - Planning Department - Planning Board 	<p>Improve athletic fields- teams having to commute long distances due to poor field conditions</p>

NATURAL RESOURCES AND OPEN SPACE & RECREATION

<p>a) Implement in-lieu fee program rather than an open space set aside to allow developers to set aside funds earmarked for specific open space improvement and maintenance. 1 dot</p> <p>b) Allow common driveways as a means of protecting open space and preserving the town's character.</p> <p>c) Require all new subdivision set asides to be managed by a homeowners' association, unless specifically requested otherwise by the town.</p> <p>d) Require an operations and maintenance plan for all approved stormwater features and access installed within an open space set aside.</p> <p>B. Upgraded Infrastructure and Amenities</p> <p>1. Complete a capital plan for existing parks and recreational facilities. 5 dots</p> <p>a) Make maintenance and diversification of open space resources a priority. 1 dot</p> <p>b) Maintain and replace amenities such as benches, playground and recreational equipment, concessions, bathrooms, etc. at recreational facilities.</p> <p>c) Install amenities such as shade shelters and potable water features, including ADA accessibility standards. 3 dots</p> <p>d) Complete stormwater and accessibility improvements in parking lots.</p> <p>e) Maintain trails and upgrade water crossing features (if any). 3 dots</p> <p>f) Maintain and enhance multi-purpose/multi-use fields.</p> <p>g) Add walking paths around larger recreational facilities.</p> <p>h) Redesign open spaces to include multi-use/multi-generational recreational facilities (e.g. playground, field, court or walking path/fitness clustered in one facility). 5 dots</p> <p>2. Identify gaps in open space and recreation opportunities throughout town and create a plan to acquire additional open space in these areas. 4 dots</p>	<p>- Conservation Commission - DPW Department - Residents</p>	<p>We need an adult fitness park or walk path</p> <p>Secure the ROW on the old Millbury Branch for a rail trail</p> <p>Better maintenance of existing parks and upgrades</p>
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STATION QUESTIONS:

What would you consider a sign of success in terms of meeting this goal in the future?

- Revamp Windle Field
- MHS Athletic teams do not lose many more games each season due to field conditions (3 dots)
- Millbury Parks and Open Spaces are well known , well maintained, “must see” attractions for town residents
- We have a nice bike path that is very well used
- When a project comes to town all departments involved should meet together instead of separately
- Centralized locations for rules and regulations for residents and developers
- Boards should work together when issuing permits
- Dorothy Road access for boating or swimming – area near Riverland street near the transfer station
- Swimming facility for town
- Fishing and swimming
- Public access to all town bodies of water – town beach
- Fishing and swimming access at land across from Butler Farm
- Lake access with accessible parking
- Splash park for youngsters
- Swimming facility
- Indoor pool for recreation and high school swim team creation

STATION QUESTIONS:

- Preserving Clearview
 - Passing/Accepting Community Preservation Act
 - Successful Implementation of Community Preservation Act
-

Do you have any ideas regarding low-hanging fruit (or low cost relatively easy ways) of meeting this goal so we can start working on it right away?

- Establish groups and volunteers for park and open space maintenance
- Maintain the bike path- it is showing signs of wear and tear. Expand it south bound into RI
- Add a donation option for Quarterly Tax Bill for land acquisition
- Pass Community Preservation Act
- Explain CPA to residents so that it will get passed

NATURAL RESOURCES AND OPEN SPACE & RECREATION

ID	Objective / Strategy	Supporting Parties	Timeframe
GOAL: To preserve, maintain and enhance the town's natural resources, including its parks, conservation areas, waterways, wetlands, and other open spaces.			
NR-1	<p>Maintain and protect the town's natural resources through improved regulatory controls and infrastructure upgrades.</p> <p>A. Enhanced Regulatory Controls</p> <ol style="list-style-type: none"> Evaluate and modify environmental regulatory controls to incorporate them as one article in the Zoning Bylaws. Incorporate additional environmental controls relative to: <ol style="list-style-type: none"> Stormwater Bylaw Wetlands Bylaw Low-Impact Development Energy/Sustainable Development Enforce Zoning Bylaws relative to revised environmental regulatory controls. <p>B. Infrastructure Upgrades</p> <ol style="list-style-type: none"> Create an implementation plan for catch basin and other stormwater upgrades. <ol style="list-style-type: none"> Continue to implement MS4 NPDES Permit and Stormwater Management Program. Expand efforts to incorporate low impact development principles and green infrastructure into the town's capital infrastructure plan. Continue to implement Millbury's Energy Reduction Plan and encourage the placement of alternative energy facilities within town. 	<ul style="list-style-type: none"> - Town Manager - Board of Selectmen - Planning Department - DPW Department - Planning Board - Conservation Commission - Residents 	
NR-2	<p>Protect the integrity of the Town's ecosystem and natural landscapes as development continues in Millbury.</p> <p>A. Identify, Inventory, and Update</p> <ol style="list-style-type: none"> Update the comprehensive baseline inventory of all existing natural resources. Identify lands critical to ecological function. Identify stream/habitat continuity upgrades. Identify the most important contributing parcels and make them preservation priorities. <p>B. Pursue Funding Opportunities</p> <ol style="list-style-type: none"> Complete outreach and education to pursue adoption of Community Preservation Act. Apply for additional MVP/resiliency funding. Apply for additional Green Communities funding. Partner with watershed associations and other environmental groups to seek grants for resource protection. <p><i>Handwritten notes:</i> <i>Don't add, more municipal employees</i> <i>More volunteers</i> <i>Don't add, more municipal employees</i> <i>Don't add, more municipal employees</i></p>	<ul style="list-style-type: none"> - Town Manager - Board of Selectmen - Planning Department - Planning Board - Conservation Commission - Blackstone Heritage Corridor - Blackstone Chamber of Commerce - Other Conservation Groups - Residents - Youth Groups - MA EEA/DCR 	
NR-3 OS-1	<p>Improve access to and increase awareness of the town's natural resources, open spaces and recreation opportunities.</p> <p>A. Education and Outreach</p> <ol style="list-style-type: none"> Strengthen existing partnerships with conservation organizations/groups to conduct environmental education programming to inform residents, businesses and visitors about Millbury's natural resources. Engage watershed group and volunteers to continue and expand community clean ups, resource inventories, vernal pool certifications. Create informational flyers about the town's natural resources for public distribution, post to the town's website, use social media to <p>B. Increase Staffing Capacity</p> <ol style="list-style-type: none"> Create a Conservation Planner/Agent position in the Planning Department. <ol style="list-style-type: none"> Staff the Conservation Commission and enforce the Wetlands Protection Act and Orders of Condition. Oversee and manage town-owned conservation land, conservation restrictions, easements and open space set asides deemed to Act as a liaison between town and the public, State agencies, conservation groups, land trusts and related entities. Update and maintain inventories of natural resources, including the Open Space and Recreation Plan. Vulnerability planning and sustainability efforts. Updated mapping. 	<ul style="list-style-type: none"> - Town Manager - Board of Selectmen - Planning Department - Planning Board - Conservation Commission - Blackstone Heritage Corridor - Blackstone Chamber of Commerce - Other Conservation Groups - Residents - Youth Groups - MA EEA/DCR 	<p><i>Handwritten notes:</i> <i>Don't add, more municipal employees</i> <i>More volunteers</i> <i>Don't add, more municipal employees</i> <i>Don't add, more municipal employees</i></p>

NATURAL RESOURCES AND OPEN SPACE & RECREATION

		g) Grant writing. h) Other strategic initiatives.		
OS-2	Focus on the preservation of agricultural landscapes. A. Agricultural Preservation Restriction (APR) Program 1. Promote protection of additional agricultural land within town prior to threat of development. 2. Exercise town's right of first refusal when farmland is released from the APR program. 3. Provide outreach to the non-APR farms about the APR program. 4. Establish partnerships with local land trusts to secure conservation restrictions to protect farmlands from future development.		- Town Manager - Board of Selectmen - Planning Department - Conservation Commission - Agricultural Property Owners - Other Conservation Groups - MA EEA/DCR	
OS-3	Improve physical access to the town's open space resources. A. Increase Visibility/Accessibility 1. Install wayfinding signs at entryways and within open space resources. 2. Install informational kiosks/bulletin display boards to provide an opportunity to share information with the public about upcoming activities, open space rules and regulations, and opportunities to volunteer. 3. GPS the local trail system and create maps to publish on the town website. 4. Upgrade some of the trails to provide universal access; B. Identify and Pursue Funding Opportunities 1. Adopt the Community Preservation Act to assist with preservation of open space. Use CPA funds for acquisition, creation, and preservation of open space, including capital expenditures. 2. Seek recreational trail funding for trail improvements. 3. Consider corporate partnerships/advertising at athletic fields and playgrounds for monetary assistance.		- Town Manager - Board of Selectmen - Planning Department - Conservation Commission - Blackstone Heritage Corridor - Other Conservation Groups - Residents - Youth Groups - MA EEA/DCR	
OS-4	Maintain and protect the town's open space and recreation facilities through improved regulatory controls, acquisition of additional open space, and infrastructure upgrades. A. Improve Regulatory Controls 1. Adopt additional considerations relative to the Open Space Community Bylaw. a) Implement in-lieu fee program rather than an open space set aside to allow developers to set aside funds earmarked for specific open space improvement and maintenance. b) Allow common driveways as a means of protecting open space and preserving the town's character. c) Require all new subdivision set asides to be managed by a homeowners' association, unless specifically requested otherwise by the town. d) Require an operations and maintenance plan for all approved stormwater features and access installed within an open space set aside. B. Upgraded Infrastructure and Amenities 1. Complete a capital plan for existing parks and recreational facilities. a) Make maintenance and diversification of open space resources a priority. b) Maintain and replace amenities such as benches, playground and recreational equipment, concessions, bathrooms, etc. at recreational facilities. c) Install amenities such as shade shelters and potable water features, including ADA accessibility standards. d) Complete stormwater and accessibility improvements in parking lots. e) Maintain trails and upgrade water crossing features (if any). f) Maintain and enhance multi-purpose/multi-use fields. g) Add walking paths around larger recreational facilities. h) Redesign open spaces to include multi-use/multi-generational recreational facilities (e.g. playground, field, court or walking path/fitness center in one facility). 2. Identify gaps in open space and recreation opportunities throughout town and create a plan to acquire additional open space in these areas.	Use existing fields within town. All recreational space is applicable. The town has many open athletic fields. It needs to find a way to keep a better group of people with the school to improve fields. We need an outdoor fitness park on walk path. Further expand areas of walking paths at the open space.	- Town Manager - Board of Selectmen - Planning Department - Conservation Commission - DPW Department - Residents	Secure the fields on the old Millbury Road. In the future, we will have a trail.

COMMUNITY FACILITIES AND SERVICES

ID	Objective / Strategy	Supporting Parties	Timeframe
GOAL: To preserve, maintain and/or enhance municipal facilities and services so that they meet the needs of all residents.			
CF-1	<p><i>Prepare for an increase in the town's population aged 65+ and the services that will be expected.</i></p> <p>A. Anticipate Needs of Aging Population</p> <ol style="list-style-type: none"> Determine if transportation services for seniors needs to be expanded and how. Identify housing needs and options for seniors, including town-owned and developed senior housing and assisted living facilities. Use the Senior Center as a tool for data gathering. <ol style="list-style-type: none"> Continue to survey users of the Senior Center to gather input on programming and services. Solicit ideas for new programming or services in the future. Foster strong intergenerational awareness and relationships. <ol style="list-style-type: none"> Form a committee with a purpose to increase opportunities for residents to participate in intergenerational events/activities. Work with recreation groups to create an intergenerational recreation opportunity for all residents to enjoy (e.g. Coes Park in Worcester). 	<ul style="list-style-type: none"> - Town Manager - Board of Selectmen - Council on Aging - Senior Center - Millbury Public Library - Millbury Public Schools - Residents 	
CF-2	<p><i>Focus on the evolving role of the Public Library to actively encourage its use by patrons of all ages.</i></p> <p>A. Increase Facility Usage</p> <ol style="list-style-type: none"> Offer educational workshops, trainings, and opportunities for life-long learning to attract new users of all ages. Actively market the services the Library provides. Solicit input from users and residents to create new programming and offer additional technology/books/media. Coordinate with the School Department to schedule events at the Library when demand cannot support the use of a school's library or cafeteria. Work with community groups to foster awareness of all the services the Library offers. 	<ul style="list-style-type: none"> - Town Manager - Board of Selectmen - Millbury Public Library - Millbury Public Schools - Residents 	
CF-3	<p><i>Support the School Department's efforts to provide high quality educational spaces and active learning opportunities.</i></p> <p>A. School Facility Conditions and Space Needs</p> <ol style="list-style-type: none"> Work with MSBA to expedite the process to construct a significant renovation or new facility to replace the existing Raymond E. Shaw Elementary School. Implement a plan to manage increasing demands on existing space at the schools. Demands include new programming (STEAM etc.) and smaller class sizes. Restructure grade configurations throughout the district. <p>B. Prioritize Actions to Increase Funding</p> <ol style="list-style-type: none"> Add capacity to the tuition-based Preschool (Pre-K) program as the demand exceeds the capacity presently available. Offer School Choice at the high school level. Promote and enhance the fee-based before and after-school care programs to increase usage. 	<ul style="list-style-type: none"> - Town Manager - Board of Selectmen - Millbury Public Schools - School Committee - Superintendent's Office - Residents 	
CF-4	<p><i>Increase town staffing, funding, and collaboration/shared resources to achieve the goals of this master plan.</i></p> <p>A. Staffing/Funding/Shared Resources</p> <ol style="list-style-type: none"> Add positions to increase staff capacity and expertise to order to achieve the goals and priorities identified in this master plan. <ol style="list-style-type: none"> In addition to an Economic Development Coordinator and Conservation Agent, a Marketing Assistant/Grant Writer could assist town in efforts to market the Town and pursue funding opportunities for priority initiatives for all town departments, under the direction of the Town Manager. Pursue alternative sources of funding to support the hiring of this additional staff. 	<ul style="list-style-type: none"> - Town Manager - Board of Selectmen - State Agencies - Neighboring Towns - CMRPC - Residents 	

	<p>3. Work with surrounding towns to evaluate opportunities to share staff and services. Also consider part-time and/or staff with multiple roles.</p> <p>4. Continue to lobby and work with the Commonwealth on cost-sharing arrangements leading to infrastructure investment, e.g. MSBA for schools, MassDOT for roads, and Green Communities and public safety funding.</p> <p>5. Inventory and evaluate town-owned surplus land to create a disposition strategy. Selling these parcels will generate additional taxes that can be allocated for town use.</p>		
CF-5	<p><i>Invest in new public safety facilities and take advantage of additional municipal space available resulting from Police/Fire Department relocations.</i> 23 dots</p> <p>A. Public Safety Needs</p> <ol style="list-style-type: none"> Determine the best site for a new Fire Department Headquarters and begin lobbying for additional funding to construct a new station. <ol style="list-style-type: none"> Evaluate if the town can utilize the existing headquarters upon relocation by the Fire Department and identify a disposition strategy, as needed. Determine the best site for a new Police Department and begin lobbying for additional funding to construct a new facility. <ol style="list-style-type: none"> Evaluate best re-use of the town municipal space from the vacated Police Department. 	<ul style="list-style-type: none"> - Town Manager - Board of Selectmen - Police Department - Fire Department - Public Safety Committee - Residents 	
CF-6	<p><i>Create a realistic action plan for infrastructure improvements and reduction of costs for municipal services.</i> 13 dots</p> <p>A. Public Works</p> <ol style="list-style-type: none"> Inventory conditions of roadways, sidewalks, bridges, drainage, sewer system and equipment. Implement a five- to ten-year capital plan. Evaluate annually and adjust as required. Plan infrastructure repairs so that they are coordinated. Study the future needs of the cemetery, transfer station and recycling center and work to make services more efficient. Consider possibility of regional collaboration. 	<ul style="list-style-type: none"> - Town Manager - Board of Selectmen - Public Works Department - Public Works Committee - Residents 	
CF-7	<p><i>Maximize the use and revenue generation of the Asa Waters Mansion as a cultural and historic resource of the town.</i> 4 dots</p> <p>A. Make Strategic Facility Improvements</p> <ol style="list-style-type: none"> Identify and evaluate if proposed facility improvements will create a higher rate of return on investment. (Proposed improvements could include commercial kitchen, bandstand, carriage house, children's garden, etc.) Pursue grant opportunities/collaborations with partners to implement facility improvements that are needed but do not generate a high return on investment. Such improvements include ADA, HVAC, lighting, minor repairs, etc. <p>B. Maximize Revenue Generation</p> <ol style="list-style-type: none"> Work with regional agencies to promote the facility as a cultural, historic and entertainment facility. Conduct outreach to businesses, civic organizations, and others in the region about holding workshops and special events at the facility. Increase visibility on social media relative to what the facility can offer. 	<ul style="list-style-type: none"> - Town Manager - Board of Selectmen - Asa Waters Mansion - Millbury Historical Society - Residents 	

STATION QUESTIONS: COMMUNITY FACILITIES

What would you consider a sign of success in terms of meeting this goal in the future?

- Public Safety Facility within the first 5 years
 - New Shaw school a must
 - School choice as long as school choice in is greater than school choice out
 - Do not hire more municipal employees
 - Youth center or a new location 2 dots
 - I would like to see the schools improvement and the youth center kept running 3 dots
 - ASA Waters self-sustaining
 - Parks mowed- needs pulled seats fixed
 - Get senior housing building out of center of town
 - Intergenerational recreational opportunity- buy parcel by Windle and make a huge park for adults
 - Revamp youth center or help find a new location for the kids programs to keep running
 - Update Shaw building with existing building
 - Town infrastructure and facilities are available and aware to all town residents particularly those who want increased services- water, sewer, library, etc.
 - Prioritize new public safety facility: police, fire and emt
 - A place people can go, not open to weather without expectation to buy things or spend money.
-

STATION QUESTIONS: COMMUNITY FACILITIES

Do you have any ideas regarding low-hanging fruit (or low cost relatively easy ways) of meeting this goal so we can start working on it right away?

- Create a library budget that supports its being open 7-days a week especially on weekend when all can use it 3 dots
- More programs at library for people older than elementary kids
- Sell surplus land
- Library programming
- Town staffing and funding
- Complete the Shaw feasibility process
- Senior assisted living
- Keep trash barrels from overflowing at town properties
- Keep weeds cut along sidewalks and parking lots
- Expanding use of library excellent
- Also consider study space for local college students and meeting space
- Utilize town hall and convert entire building into a police headquarters (relocate town hall)
- New programs at Senior center
- Sell unused land for profit
- Expansion of library hours
- Need for new public safety building
- Build housing units that aren't full of stairs- encourage open floor plans

STATION QUESTIONS: COMMUNITY FACILITIES

- There are many low hanging fruit recommendations in the 2006 ADA self- evaluation transition plan

COMMUNITY FACILITIES AND SERVICES

ID	Objective / Strategy	Supporting Parties	Timeframe
GOAL: To preserve, maintain and/or enhance municipal facilities and services so that they meet the needs of all residents.			
CF-1	<p><i>Prepare for an increase in the town's population aged 65+ and the services that will be expected.</i></p> <p>A. Anticipate Needs of Aging Population</p> <ol style="list-style-type: none"> Determine if transportation services for seniors needs to be expanded and how. Identify housing needs and options for seniors, including town-owned and developed senior housing and assisted living facilities. Use the Senior Center as a tool for data gathering. <ol style="list-style-type: none"> Continue to survey users of the Senior Center to gather input on programming and services. Solicit ideas for new programming or services in the future. Foster strong intergenerational awareness and relationships. <ol style="list-style-type: none"> Form a committee with a purpose to increase opportunities for residents to participate in intergenerational events/activities. Work with recreation groups to create an intergenerational recreation opportunity for all residents to enjoy (e.g. Coes Park in Worcester). 	<ul style="list-style-type: none"> - Town Manager - Board of Selectmen - Council on Aging - Senior Center - Millbury Public Library - Millbury Public Schools - Residents 	2020
CF-2	<p><i>Focus on the evolving role of the Public Library to actively encourage its use by patrons of all ages.</i></p> <p>A. Increase Facility Usage</p> <ol style="list-style-type: none"> Offer educational workshops, trainings, and opportunities for life-long learning to attract new users of all ages. Actively market the services the Library provides. Solicit input from users and residents to create new programming and offer additional technology/books/media. Coordinate with the School Department to schedule events at the Library when demand cannot support the use of a school's library or cafeteria. Work with community groups to foster awareness of all the services the Library offers. 	<ul style="list-style-type: none"> - Town Manager - Board of Selectmen - Millbury Public Library - Millbury Public Schools - Residents 	2020
CF-3	<p><i>Support the School Department's efforts to provide high quality educational spaces and active learning opportunities.</i></p> <p>A. School Facility Conditions and Space Needs</p> <ol style="list-style-type: none"> Work with MSBA to expedite the process to construct a significant renovation or new facility to replace the existing Raymond E. Shaw Elementary School. Implement a plan to manage increasing demands on existing space at the schools. Demands include new programming (STEAM etc.) and smaller class sizes. Restructure grade configurations throughout the district. <p>B. Prioritize Actions to Increase Funding</p> <ol style="list-style-type: none"> Add capacity to the tuition-based Preschool (Pre-K) program as the demand exceeds the capacity presently available. Offer School Choice at the high school level. Promote and enhance the fee-based before and after-school care programs to increase usage. 	<ul style="list-style-type: none"> - Town Manager - Board of Selectmen - Millbury Public Schools - School Committee - Superintendent's Office - Residents 	2020
CF-4	<p><i>Increase town staffing, funding, and collaboration/shared resources to achieve the goals of this master plan.</i></p> <p>A. Staffing/Funding/Shared Resources</p> <ol style="list-style-type: none"> Add positions to increase staff capacity and expertise in order to achieve the goals and priorities identified in this master plan. <ol style="list-style-type: none"> In addition to an Economic Development Coordinator and Conservation Agent, a Marketing Assistant/Grant Writer could assist town in efforts to market the Town and pursue funding opportunities for priority initiatives for all town departments, under the direction of the Town Manager. Pursue alternative sources of funding to support the hiring of this additional staff. 	<ul style="list-style-type: none"> - Town Manager - Board of Selectmen - State Agencies - Neighboring Towns - CMRPC - Residents 	2020

CF-5	<p>3. Work with surrounding towns to evaluate opportunities to share staff and services. Also consider part-time and/or staff with multiple roles.</p> <p>4. Continue to lobby and work with the Commonwealth on cost-sharing arrangements leading to infrastructure investment, e.g. MSBA for schools, MassDOT for roads, and Green Communities and public safety funding.</p> <p>5. Inventory and evaluate town-owned surplus land to create a disposition strategy. Selling these parcels will generate additional taxes that can be allocated for town use.</p>		3
CF-6	<p><i>Invest in new public safety facilities and take advantage of additional municipal space available resulting from Police/Fire Department relocations.</i></p> <p>A. Public Safety Needs</p> <ol style="list-style-type: none"> Determine the best site for a new Fire Department Headquarters and begin lobbying for additional funding to construct a new station. <ol style="list-style-type: none"> Evaluate if the town can utilize the existing headquarters upon relocation by the Fire Department and identify a disposition strategy, as needed. Determine the best site for a new Police Department and begin lobbying for additional funding to construct a new facility. <ol style="list-style-type: none"> Evaluate best re-use of the town municipal space from the vacated Police Department. 	<ul style="list-style-type: none"> - Town Manager - Board of Selectmen - Police Department - Fire Department - Public Safety Committee - Residents 	14
CF-7	<p><i>Create a realistic action plan for infrastructure improvements and reduction of costs for municipal services.</i></p> <p>A. Public Works</p> <ol style="list-style-type: none"> Inventory conditions of roadways, sidewalks, bridges, drainage, sewer system and equipment. Implement a five- to ten-year capital plan. Evaluate annually and adjust as required. Plan infrastructure repairs so that they are coordinated. Study the future needs of the town, transportation and recycling center and work to make services more efficient. Consider possibility of regional collaboration. 	<ul style="list-style-type: none"> - Town Manager - Board of Selectmen - Public Works Department - Public Works Committee - Residents 	10
CF-7	<p><i>Maximize the use and revenue generation of the Asa Waters Mansion as a cultural and historic resource of the town.</i></p> <p>A. Make Strategic Facility Improvements</p> <ol style="list-style-type: none"> Identify and evaluate if proposed facility improvements will create a higher rate of return on investment. (Proposed improvements could include commercial kitchen, bandstand, carriage house, children's garden, etc.) Pursue grant opportunities/collaborations with partners to implement facility improvements that are needed but do not generate a high return on investment. Such improvements include ADA, HVAC, lighting, minor repairs, etc. <p>B. Maximize Revenue Generation</p> <ol style="list-style-type: none"> Work with regional agencies to promote the facility as a cultural, historic and entertainment facility. Conduct outreach to businesses, civic organizations, and others in the region about holding workshops and special events at the facility. Increase visibility on social media relative to what the facility can offer. 	<ul style="list-style-type: none"> - Town Manager - Board of Selectmen - Asa Waters Mansion - Millbury Historical Society - Residents 	4

TRANSPORTATION

ID	Objective / Strategy	Supporting Parties	COMMENTS	Timeframe
TR-1	<p>GOAL: To improve all modes of transportation so that it is safe and easy for residents of all ages to get around.</p> <p><i>Make improving/maintaining roadways, increasing pedestrian and bicycle safety, and providing alternative modes of transportation a priority. 3 dots</i></p> <p>A. Infrastructure Improvements - 10 dots</p> <ol style="list-style-type: none"> 1. See CF-6 recommendations/strategies relative to inventory and capital plan. Implement. <p>CF-6: Create a realistic action plan for infrastructure improvements and reduction of costs for municipal services. 10 dots</p> <p>Public Works</p> <ol style="list-style-type: none"> 1. Inventory conditions of roadways, sidewalks, bridges, drainage, sewer system and equipment. 2. Implement a five- to ten-year capital plan. Evaluate annually and adjust as required. Plan infrastructure repairs so that they are coordinated. 3. Study the future needs of the cemetery, transfer station and recycling center and work to make services more efficient. Consider possibility of regional collaboration. <ol style="list-style-type: none"> 2. Prioritize and Implement a Complete Streets Policy. 5 dots <ol style="list-style-type: none"> a) Finalize Complete Streets Prioritization Plan. b) Apply Complete Streets approach for all future public works projects. c) Pursue additional funding opportunities. 3. Complete an ADA Accessibility Survey and identify needed improvements. 7 dots <ol style="list-style-type: none"> a) Commit to a phased plan to address inadequacies. <p>B. Pedestrian/Bicycle Safety 18 dots total</p> <ol style="list-style-type: none"> 1. Improve sidewalks, ramps and crosswalks to be ADA compliant. 7 dots <ol style="list-style-type: none"> a) Extend and repair sidewalks in key locations. b) Work with CMRPC to update inventory and condition of sidewalks in town. 2. Create a more aesthetically pleasing public realm. 3 dots 	<ul style="list-style-type: none"> - Town Manager - Board of Selectmen - Planning Department - DPW Department - Public Works Committee - Planning Department - MassDOT - Businesses - Property Owners - Residents 	<ul style="list-style-type: none"> • No brick as a path of travel surface • Allow pedestrians to suppress the right on red- signals for pedestrian street crossings • TR1 Sec. B need more focus on public safety • Add sidewalks where needed • Love adopt a pot • New residents to the town should have the same expectations as existing for services and maintenance by the town • Parking needed on elm street • Make rte 20 4- lane with turn lanes from Auburn to Grafton • Slow down traffic • More public safety along roadways • Parking needed at bike path • Finish BV bikeway thru Millbury and Worcester to Providence within 5 years 	

				<ul style="list-style-type: none"> a) Implement traffic calming measures (e.g. bump outs, flashing crosswalk signage) to enhance pedestrian safety and accessibility. b) Use green infrastructure to enhance the pedestrian environment. Pursue the vision set forth in the 2016 Downtown Revitalization Low-Impact Development Initiative. Make the Four Corners intersection a priority. c) Continue Adopt-a-Pot and Adopt-a-Banner programs, among other beautification efforts. <p>3. Upgrade bicycle infrastructure and network throughout town. 8 dots</p> <ul style="list-style-type: none"> a) Advocate for the implementation of the Blackstone Valley Bikeway through Millbury and the surrounding towns. b) Pursue opportunities for increased access to rail trails and bike lanes throughout town. 		
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STATION QUESTIONS: TRANSPORTATION

What would you consider a sign of success in terms of meeting this goal in the future?

- Repair of current sidewalks
 - Finish roads then sidewalk repair
 - Repair sidewalks
 - Sidewalk should continue on same side no cross back and forth
 - Better sidewalks on major routes like Howe Ave and Millbury Ave
 - Update 2006 accessibility plan
 - We would like the bike path finished
 - Eliminate segmentation of departments in town
-

Do you have any ideas regarding low-hanging fruit (or low cost relatively easy ways) of meeting this goal so we can start working on it right away?

- Build or repair sidewalks

ID	Objective / Strategy	Supporting Parties
GOAL: To improve all modes of transportation so that it is safe and easy for residents of all ages to get around.	Make improving/maintaining roadways, increasing pedestrian and bicycle safety, and providing alternative modes of transportation a priority.	Town Manager Board of Selectmen Planning Department DPW Department Public Works Committee Planning Department MassDOT Businesses Property Owners Residents
A. Infrastructure Improvements	See CF-6 recommendations/strategies relative to inventory and capital plan. Implement.	New bricks as a surface material. Allow redactions on Red's signposts for Redaction Street Crossing
CF-6: Create a realistic action plan for infrastructure improvements and reduction of costs for municipal services.	Public Works	Don't put things in the water, said in the West/Boston or Plum? Redon Line has been built in future transportation?
1. Inventory conditions of roadways, sidewalks, bridges, drainage, sewer system and equipment.		70% TAC: P. HAB D HUBER FIELDS all Public Safety
2. Implement a five- to ten-year capital plan. Evaluate annually and adjust as required. Plan infrastructure repairs so that they are coordinated.		New Res. owns TO Town should be same as have no existing fire services and maintenance by the town
3. Study the future needs of the cemetery, transfer station and recycling center and work to make services more efficient. Consider possibility of regional collaboration.		(over) Adopt or Adopt PT
2. Prioritize and Implement a Complete Streets Policy.	a) Finalize Complete Streets Prioritization Plan. b) Apply Complete Streets approach for all future public works projects. c) Pursue additional funding opportunities.	
3. Update the 2006 Town of Millbury Accessibility Plan and make needed improvements.	a) Commit to a phased plan to address inadequacies.	
Pedestrian/Bicycle Safety	1. Improve sidewalks, ramps and crosswalks to be ADA compliant. j) Extend and repair sidewalks in key locations. b) Work with CMRPC to update inventory and condition of sidewalks in town.	Added pedestrian no time needed!
2. Create a more aesthetically pleasing public realm.	a) Implement traffic calming measures (e.g. bump outs, flashing crosswalk signage) to enhance pedestrian safety and accessibility. b) Use green infrastructure to enhance the pedestrian environment. Pursue the vision set forth in the 2016 Downtown Revitalization Low-Impact Development Initiative. Make the Four Corners intersection a priority.	
3. Upgrade bicycle infrastructure and network throughout town.	c) Continue Adopt-a-Pot and Adopt-a-Banner programs, among other beautification efforts. a) Advocate for the completion of the Blackstone Valley Bikeway through Millbury and the surrounding towns.	Funder the RV 3. Rekey them Millbury & Licenses to Ride within 5 years
b) Pursue opportunities for increased access to rail trails and bike lanes throughout town.		Stakeholder AHEADS FAIR NEEDS BIKE

Make improving/maintaining roadways, increasing pedestrian and bicycle safety, and providing alternative modes of transportation a priority.

A. Infrastructure improvements

- ... for infrastructure improvements and reduction of costs for municipal services.

Public Works

3. Study the future needs of the cemetery, transfer station and recycling center and work to make services repairs so that they are coordinated.

2. Prioritize and Implement a Complete Streets Policy.

- a) Finalize Complete Streets approach for all future public works projects.
- b) Apply Complete Streets approach for all future public works projects.
- c) Pursue additional funding opportunities.

3. Update the 2006 Town of Millbury Accessibility Plan and make needed improvements.
 - a) Commit to a phased plan to address inadequacies.

Pedestrian/Bicycle Safety

- Extend and repair sidewalks in key locations.

- b) Use green infrastructure to enhance the pedestrian environment. Pursue the vision set forth in the 2016 Downtown Revitalization Low-Impact Development Initiative. Make the Four Corners intersection a priority.

3. Upgrade bicycle infrastructure and network throughout town.
 - a) Advocate for the completion of the Blackstone Valley Bikeway through Millbury and the surrounding towns.
 - b) Pursue opportunities for increased access to rail trails and bike lanes throughout town.

MILLBURY LAND USE

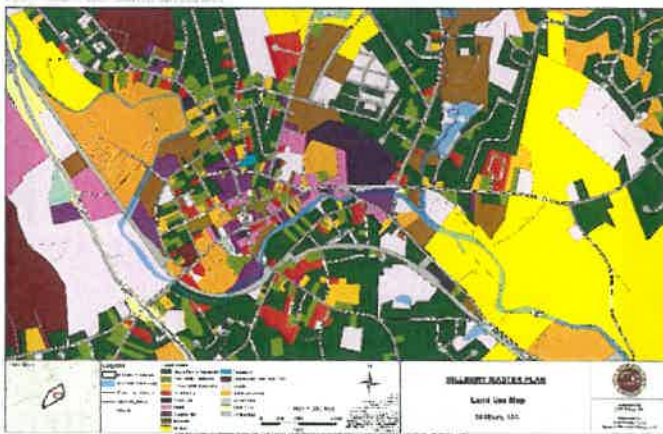
Opportunities to retain the Town's character while accommodating future growth:

- Review and update land use regulations to reflect the town's development and master plan goals.
- Ensure zoning promotes sustainable economic development while protecting open space, historic and natural resources.
- Evaluate the existing development framework to ensure future growth enhances the character and small town feel of Millbury.
- Identify priority development districts in areas already served by existing utilities and town services and consistent with surrounding land uses.

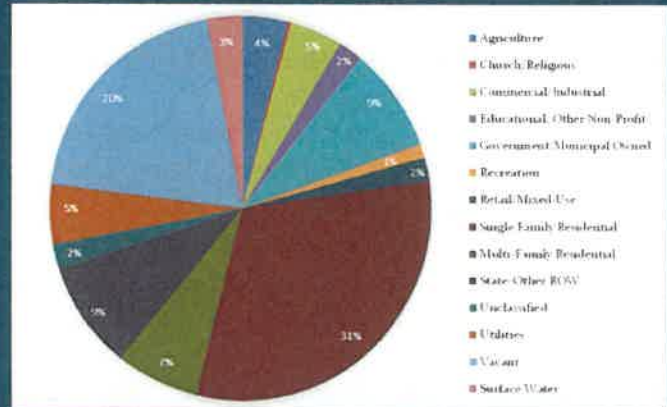


Land Use/Zoning Considerations

- Low Impact Development Standards
- Demolition Delay Bylaw
- Overlay Districts (Mixed-Use, Adaptive Reuse, Residential Office, Highway Corridor)
- Historic Districts/Demolition Delay Bylaws



Land Use Chart



Land Use by Percentage Breakdown

Agriculture	3.84%
Church/Religious	0.32%
Commercial	0.76%
Educational, Other Non-Profit	2.12%
Government	2.51%
Industrial	3.71%
Mixed Use	0.21%
Multi-Family	2.99%
Municipal Owned	6.28%
Other ROW	5.49%
Recreation	1.17%
Retail	1.73%
Single Family Residential	31.21%
State ROW	3.61%
Three Family Residential	0.68%
Two Family Residential	3.28%
Unclassified	2.09%
Utilities	5.01%
Vacant	20.05%
Surface Water	2.94%
Total	100.00%

Millbury is focused on smart growth and development!

MILLBURY TRANSPORTATION

Opportunities to provide safe and viable modes of transportation for all:

- Leverage a Complete Streets Program to foster safe and accessible modes of travel.
- Improvements at the Route 146 Interchange at West Main Street will provide safer vehicular access to the regional highway network.
- Public realm and streetscape enhancements, including a framework for expanding sidewalks and accessibility, to provide for increased pedestrian and bicycle safety.
- Identify potential trails and bike paths to encourage the use of alternative modes of transportation.



High Crash Locations (2013-2015)

McCracken Road at Greenwood Street	15
Canal Street at N. Providence Road	11
Route 20 Connector at I-90 Ramp	14
Canal Street at Grafton Street	8
Elmwood Street at Beach Street	8

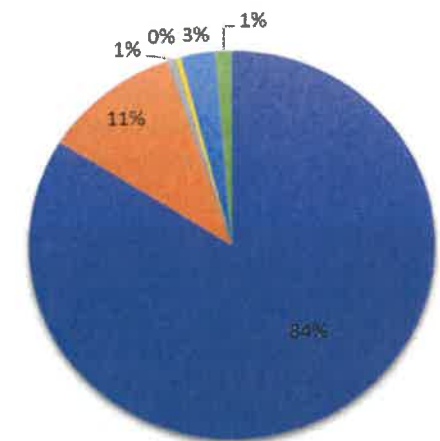
Vehicle Traffic Daily Average Volume

Roadway	Volume	Year
Grafton St. at Grafton town line	4,463	2016
Greenwood St. at Worcester city line	7,311	2009
Howe Ave., south of Millbury Ave.	7,427	2014
Millbury Ave., south of Wheelock Ave.	8,980	2017
Riverlin St., north of Grafton St.	7,438	2017
Route 122 at Grafton town line	15,916	2017
Route 122A, north of Canal St.	12,090	2016
Singletary Rd. at Sutton town line	2,813	2017
Sutton Rd. at Sutton town line	2,704	2017
West Main St., west of Sutton Rd.	4,722	2011

Trip Generation

Jobs Based in Millbury	6696
Live and Work in Millbury	1465
Work in Millbury, live elsewhere	5231
Live in Millbury, work elsewhere	2644
Total Commuters	9340

Travel Mode



- Single Occupancy
- Carpool
- Public Transportation
- Pedestrian/ Bicycle
- Worked at Home
- Other

Millbury encourages all types of transit!

MILLBURY OPEN SPACE, RECREATION AND NATURAL RESOURCES

Opportunities to preserve, maintain and enhance Millbury's natural resources, including its parks, conservation areas, waterways wetlands, and other open spaces:

- Diversify opportunities for recreation with a focus on environmental justice neighborhoods.
- Maintain and improve existing recreational and natural resources.
- Improve access to and increase protection of recreational and natural resources.
- Increase funding for maintenance, preservation and acquisition of open spaces.
- Expand connectivity between open spaces within and outside of Millbury.



Examples of Millbury's Open Spaces

- Town Common, Lower Common, Old Common
- Playgrounds/Athletic Fields:
 - Woolie World/Washington St. Playground
 - Greenwood Street Playground
 - James D'irenzo Playground
 - Elmwood Street and Shaw Schools
 - East Millbury Park
 - Dorothy Pond Recreation Area
 - Oliver Perry Park
 - Jacques Field
 - Memorial High School Fields
 - Windle Field
 - Millbury Youth Camp
 - West Millbury Playground
- Conservation Areas:
 - Colton Road Conservation Area
 - Dorothy Pond Conservation Area
 - Hayward Glen Conservation Area
 - Stowe Meadows Conservation Area
 - Davidson Sanctuary
 - Soles Swamp
 - Brierly Pond Conservation Area
 - Old Common
- Butler Farm Dog Park and Community Gardens
- Cemeteries
- Clearview Country Club
- Blackstone River Bikeway
- Pearson Dairy Farm
- Stowe Farm
- Martha Deering WMA
- Merrill Pond WMA



Resources/Organizations

Town of Millbury Department of Public Works, Conservation and Ponds and Lakes Commissions, Planning and Development, Schools, Town Hall, 127 Elm Street, Millbury, MA, Tel: 508-865-4710

Metacomet Land Trust, P.O. Box 231, Franklin, MA 02038, Tel: 508-271-7131

Dorothy Pond Watershed Association, 7 Warren Street, Millbury, MA 01527, dorothywatershed@aol.com

Lake Singletary Watershed Association, P.O. Box 332, Sutton, MA 01590, LSWABOD@gmail.com

Blackstone River Watershed Association, 271 Oak Street, Uxbridge, MA 01569, Tel: 508-278-5200, info@thebrwa.org

Blackstone Heritage Corridor, Inc., 670 Linwood Avenue, Whitinsville, MA 01588, Tel: 508-234-4242

Millbury values its open space and natural resources!

MILLBURY HOUSING

Opportunities to create a variety of housing choices at all market levels:

- Accommodate seniors as their housing needs change to enable residents to age in place in the community.
- Provide a variety of housing options including cottages or small homes, congregate residences, subsidized apartments and accessory dwelling units for the aging population in the community.
- Increase housing options through incentive zoning, making town land available for development and through partnerships with non-profit developers.



Resources to Help Meet Millbury's Housing Goals

The Millbury Housing Authority, Millbury, MA. Provides deeply affordable housing for seniors, families, and people with disabilities.

Worcester Community Housing Resources, Worcester, MA. Supports development of homeownership and rental housing.

NeighborWorks Homeownership Center of Central Massachusetts, Worcester, MA. Helps current and future homeowners with programs that train, counsel, and finance the purchase of a home.

Millbury Congregate Housing, Colonial Drive, Millbury, MA. Senior housing.

RCAP Solutions, Worcester, MA. Regional non-profit offering comprehensive housing services.



Quick Snapshot of Millbury Housing:

- Millbury has approximately 5,600 total housing units. Over one-fourth of all units in Millbury were built before 1940.
- 69% of all households in Millbury own the dwelling unit they occupy.
- About 63% of Millbury's total housing inventory consists of detached single-family homes.
- The ownership housing vacancy rate is remarkably low: 1.2%.
- Over the past few years, the median value of existing housing in Millbury was \$261,200.
- The Commonwealth classifies 221 units in Millbury as affordable and eligible for the Chapter 40B Subsidized Housing Inventory.
- The Town is currently at 4% under Chapter 40B, or about 339 units "short" of the 10% minimum in the affordable housing law.
- The average household size in Millbury is 2.6 – a little smaller than the average for Worcester County (2.77).
- Over half of all tenants in Millbury pay more for monthly rent and utilities than they can afford, based on their household income.
- Of Millbury's 13,431 residents, 1.2% live in some type of group quarters setting, e.g., a nursing home or long-term care facility, or a group home for adults with disabilities (Census Bureau estimate).

Housing is critical to the health of Millbury's economy!

MILLBURY HISTORIC & CULTURAL RESOURCES

Opportunities to preserve, protect, and reutilize historic and cultural resources:

- Integrate the preservation of Millbury's historic character into economic development, housing, and open space when planning for future growth.
- Adaptively reuse historic buildings to accommodate today's building standards.
- Consider important landscapes, features, and village character during zoning and development review.
- Foster a sense of stewardship for historic resources among residents and businesses.
- Reinvigorate the Millbury Historical Commission to set and achieve priorities for preservation efforts.



National Register-Listed District and Properties:

- Blackstone River Canal District (1828)
- Asa Waters Mansion, 123 Elm St. (1826)
- First Presbyterian Society Meeting House (1828) (now Millbury Federated Church), 20 N. Main St.
- U.S. Post Office – Millbury Main, 119 Elm St. (1940)

State Register Listed Districts and Properties:

- 21 State-listed Historic Districts and hundreds of inventoried resources listed in MACRIS
- DCR Heritage Landscape Inventory
- Resources include residences, churches, worker housing, mills, civic and office buildings, schools, dams, waterways and bridges throughout town dating from the early 1700's.

Examples of Historic Assets/Sites:

- The Dwinnell, County Bridge and West Millbury Cemeteries – established in the 1700's
- Grass Hill School, 1861-1968 (under restoration)
- Bramanville First Congregational Church, 148 W. Main St. – originally built on Old Common in 1803
- Old Common and surrounding homes, 1740-1850

Examples of Adaptive Reuse:

- Asa Waters Mansion – Museum & Special Events
- Senior Center, River Road – Former Rail Station
- Cordis Mills – Apartments & Medical Facilities
- Felter's Mill – Offices, Food, Services, & Retail

Cultural Resources at Risk:

- Mayo Woolen Co. Mill #3, 115 W. Main St.
- Frederick A. Lapham House, 4 Burbank St.
- Worker Housing structures throughout town
- Agricultural landscapes in West Millbury



Resources/Organizations

The Millbury Historical Society, The Asa Waters Mansion, 123 Elm St., P.O. Box 367, Millbury, MA 01527, www.millburyhistory.org, Tel: 508-865-4192

Private, non-profit membership organization dedicated to promoting Millbury's history and managing the Millbury History Museum at the Asa Waters Mansion.

Town of Millbury Historical Commission, Town Hall, 127 Elm St., Millbury, MA 01527 Tel: 508-865-4710 (Not currently active)

Blackstone Heritage Corridor, Inc., 670 Linwood Ave., Whitinsville, MA 01588, Tel: 508-234-4242 www.blackstoneheritagecorridor.org.

Nonprofit organization that works with community partners to preserve and promote the Blackstone Valley's historic, cultural, natural, and recreational resources.

Millbury embraces and celebrates its historic heritage!

MILLBURY ECONOMIC DEVELOPMENT

Opportunities to promote economic development to increase tax base and number of jobs available:

- Create a Business Improvement District (BID) in downtown Millbury.
- Strategic use of tax incentive and funding programs, i.e. tax increment financing (TIF), district improvement financing (DIF), and façade/storefront program.
- Review land use regulations and streamline permitting to decrease developer risk.
- Actively support and promote a "Buy Local" campaign, including the promotion of local businesses for their contributions to the community.



Industry Location Quotients: Millbury's Strongest Industries

(Sources: EOLWD ES-202, Barrett Planning Group, LLC)



Quick Snapshot: Millbury's Local Economy

- About 7,000 Millbury residents work either in Millbury or a nearby community, and 6% are self-employed.
- 5,300 people work in Millbury, including town residents with a local job and non-residents commuting to Millbury.
- Millbury's 381 employers provide jobs for a combined total of 5,200 people.
- The strongest industries are Retail Trade, Construction, Manufacturing, Logistics (Transportation and Warehousing), and Accommodation and Food Services.
- The average weekly wage is \$762.
- Millbury's highest-wage jobs are in Construction and Manufacturing.
- Commercial and industrial properties generate 21.7% of the town's tax levy. The FY 2018 real and personal property tax rate is \$16.34.

Economic Development Resources

- **MassDevelopment**, a quasi-public state financing agency for commercial/industrial development and infrastructure to create more jobs.
- **Massachusetts Office of Business Development**, administers the Economic Development Incentive Program (EDIP).
- **Blackstone Valley Chamber of Commerce**, resources and regional information for prospective businesses.

Millbury means business!

MILLBURY COMMUNITY FACILITIES & SERVICES

Opportunities to preserve, maintain, and/or enhance municipal facilities and services so that they meet the needs of all residents:

- Maintain existing and add new programs and services to meet needs of Millbury's increasing senior citizen population.
- Continue to make improvements to sewer and drainage systems.
- Consider feasibility of reusing existing town owned buildings for new public facilities (Fire, Police, Schools).
- Support Library in its efforts to expand its role in the community and increase programming to all ages.



Trends Affecting Municipal Facilities & Services

According to the Millbury Council on Aging, the **senior population** has grown 35% in the past 25 years and is projected to grow another 39% in the next 20 years resulting in a total increase of 87% from 1990 to 2035.

School enrollment over the past 5 years has been slightly decreasing and this trend is expected to continue over the next decade.

Water is provided by a private enterprise to approximately 50% of residents, with capacity available to support additional development.

Most of the Town has **sewer**, with capacity to support additional development.

Over one-third (35%) of Millbury's **roads** are rated Very Poor. (Source: CMRPC)

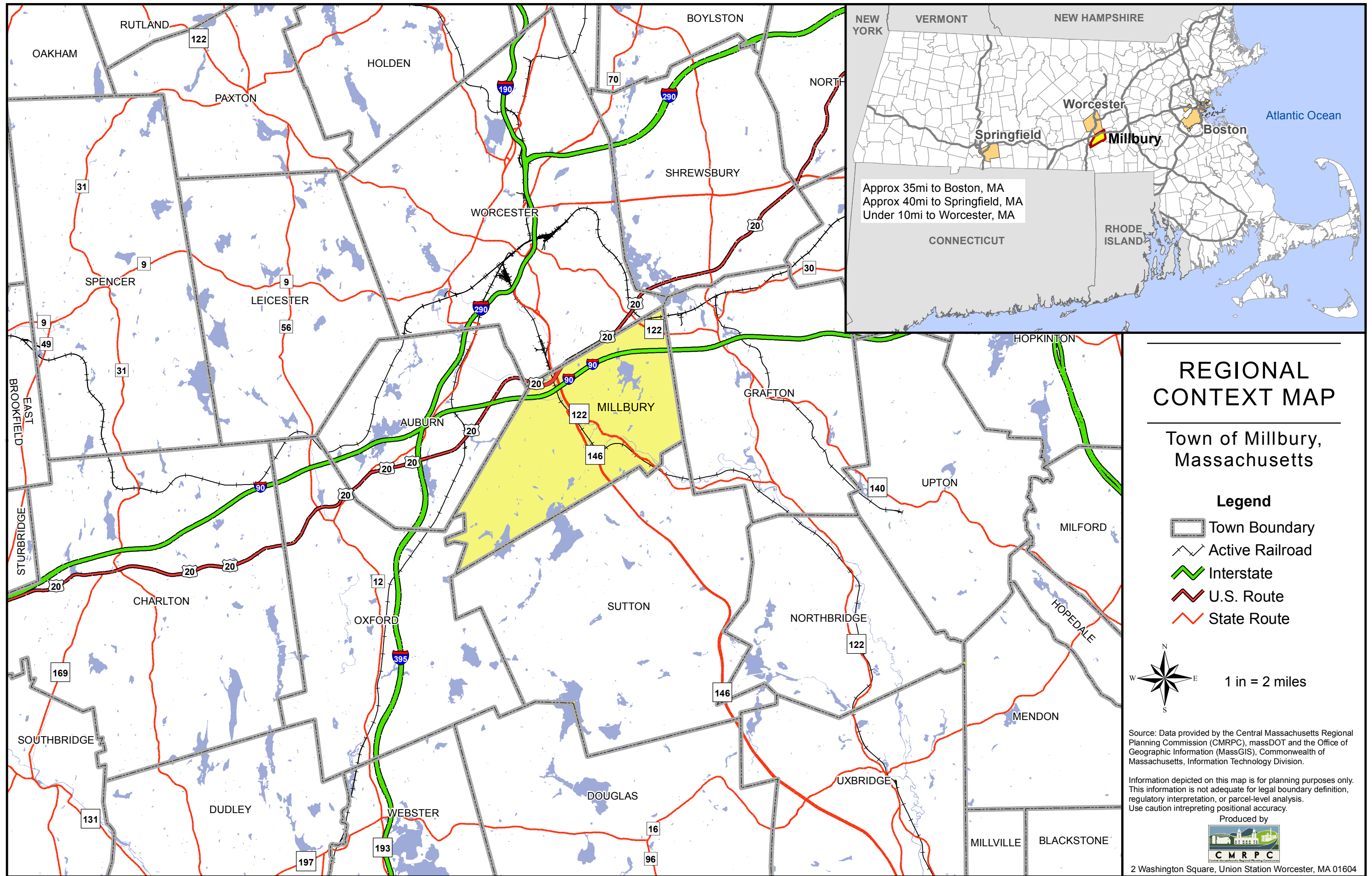
Municipally-Owned Facilities

- Town Hall
- Schools
 - R.E. Shaw Elementary School
 - Elmwood Street School
 - Millbury Junior/Senior High School
 - Blackstone Valley Technical High School
- Senior Center
- Youth Center
- Millbury Public Library
- Fire Department (4 stations)
- Police Station (in Town Hall)
- Department of Public Works garage, etc.
- Transfer Station/Recycling Station
- Central Cemetery
- Sewer system and 15 Sewer pump stations
- Recreational Facilities
 - Town Common, playgrounds, parks
 - Ponds and lakes
 - Trails
- Asa Waters Mansion
- Butler Farm

Millbury maintains and improves its public facilities and services!

Appendix B – MAPS

1. Regional Context Map
2. Environmental Justice Map
3. Official Zoning Map
4. Soils & Geologic Features Map
5. Unique Features Map
6. Water Resources Maps #1
7. Water Resources Map #2
8. Open Space Inventory Map
9. Habitat Features Map
10. Historical Features Map
11. Action Plan Map
12. Heritage Inventory Map

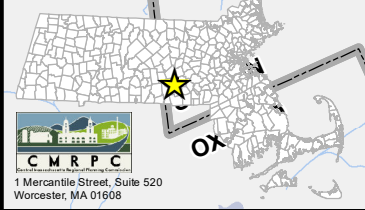
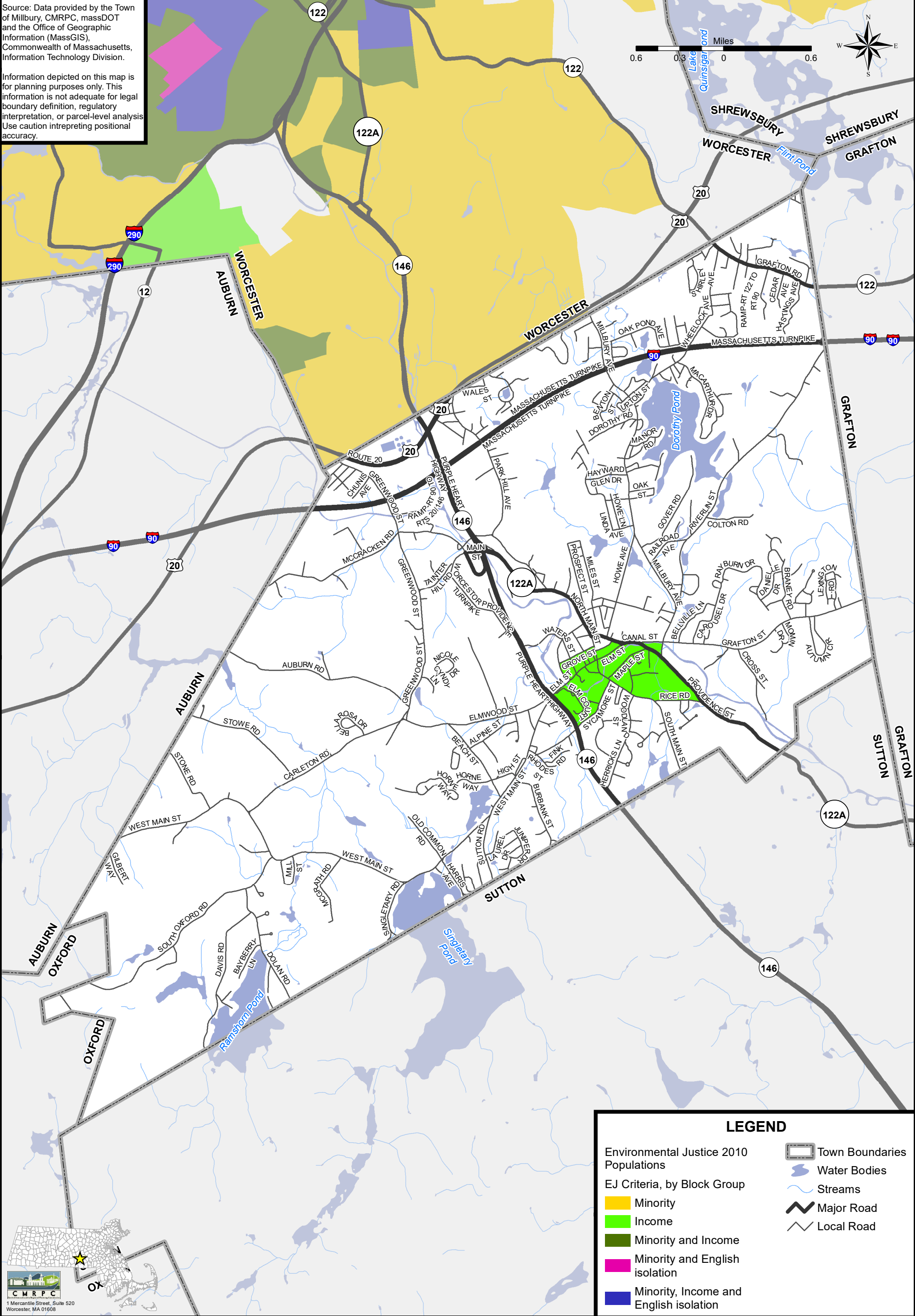


ENVIRONMENTAL JUSTICE MAP

OPEN SPACE AND RECREATION PLAN

Source: Data provided by the Town of Millbury, 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.

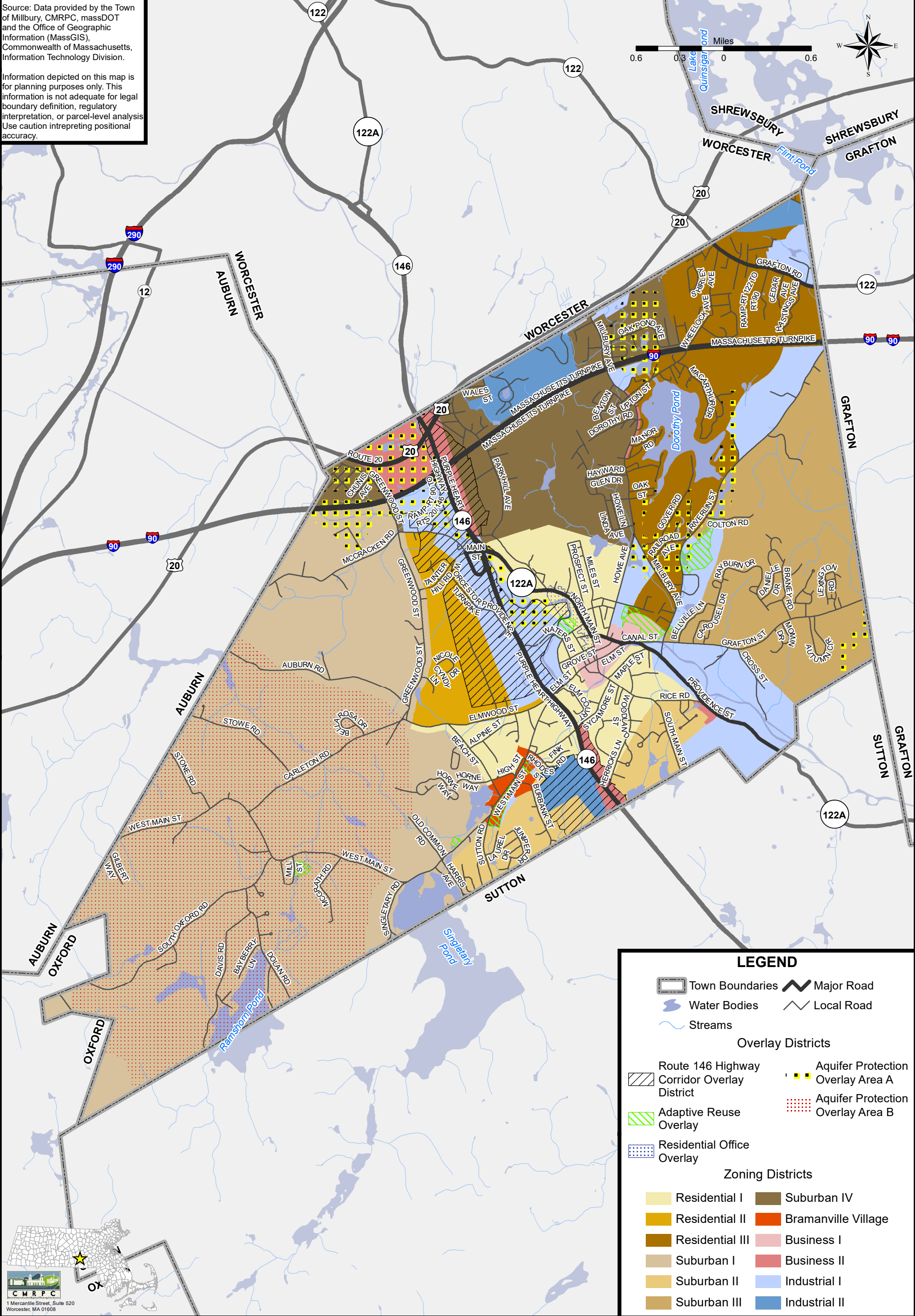


ZONING DISTRICTS & OVERLAYS

OPEN SPACE AND RECREATION PLAN

Source: Data provided by the Town of Millbury, CMRPC, massDOT and the Office of Geographic Information (MassGIS), Commonwealth of Massachusetts, Information Technology Division.

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SOILS & GEOLOGIC FEATURES

OPEN SPACE AND RECREATION PLAN

Source: Data provided by the Town of Millbury, CMRPC, massDOT and the Office of Geographic Information (MassGIS), Commonwealth of Massachusetts, Information Technology Division.

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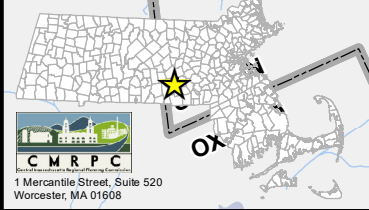
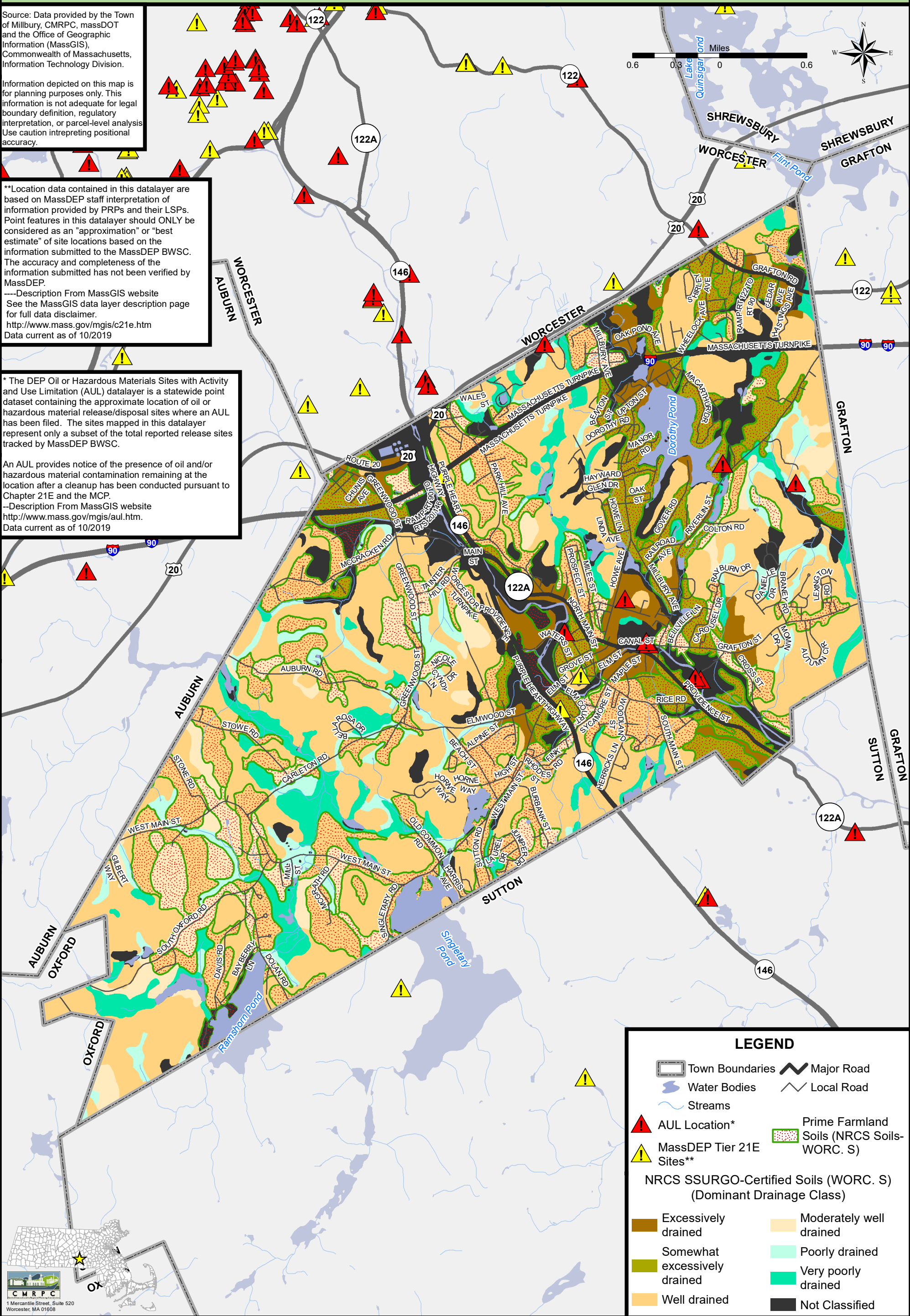
**Location data contained in this datalayer are based on MassDEP staff interpretation of information provided by PRPs and their LSPs. Point features in this datalayer should ONLY be considered as an "approximation" or "best estimate" of site locations based on the information submitted to the MassDEP 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 10/2019

* 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 10/2019



Town of Millbury, Massachusetts

UNIQUE FEATURES

OPEN SPACE AND RECREATION PLAN

LEGEND

Town Boundaries

Water Bodies

Trails

Town Hall

College or University

Private

Major Road

Local Road

Scenic Roads

Public Library

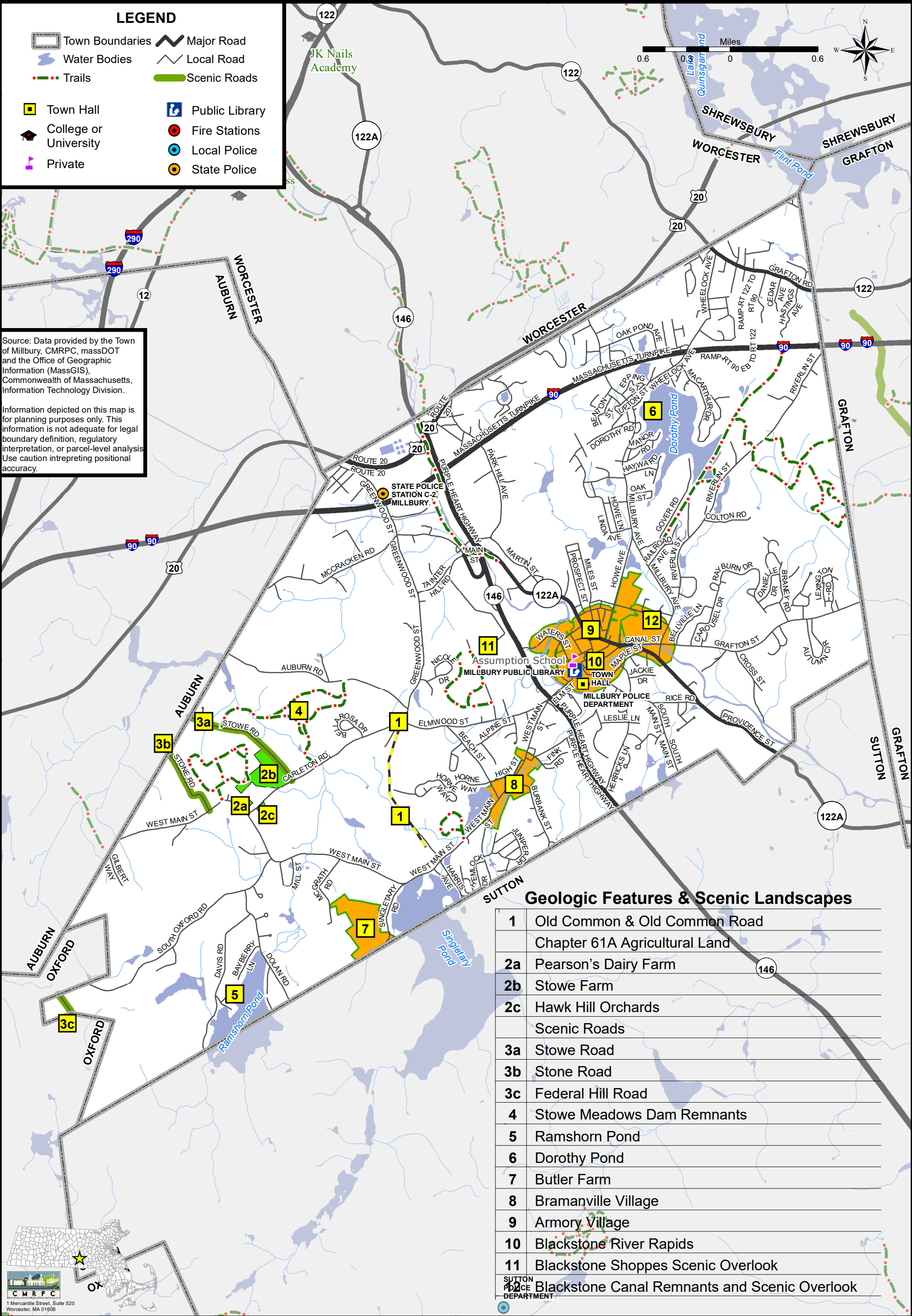
Fire Stations

Local Police

State Police

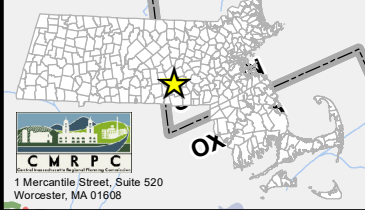
Source: Data provided by the Town of Millbury, CMRPC, massDOT and the Office of Geographic Information (MassGIS), Commonwealth of Massachusetts, Information Technology Division.

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Geologic Features & Scenic Landscapes

1	Old Common & Old Common Road
	Chapter 61A Agricultural Land
2a	Pearson's Dairy Farm
2b	Stowe Farm
2c	Hawk Hill Orchards
	Scenic Roads
3a	Stowe Road
3b	Stone Road
3c	Federal Hill Road
4	Stowe Meadows Dam Remnants
5	Ramshorn Pond
6	Dorothy Pond
7	Butler Farm
8	Bramanville Village
9	Armory Village
10	Blackstone River Rapids
11	Blackstone Shoppes Scenic Overlook
12	Blackstone Canal Remnants and Scenic Overlook



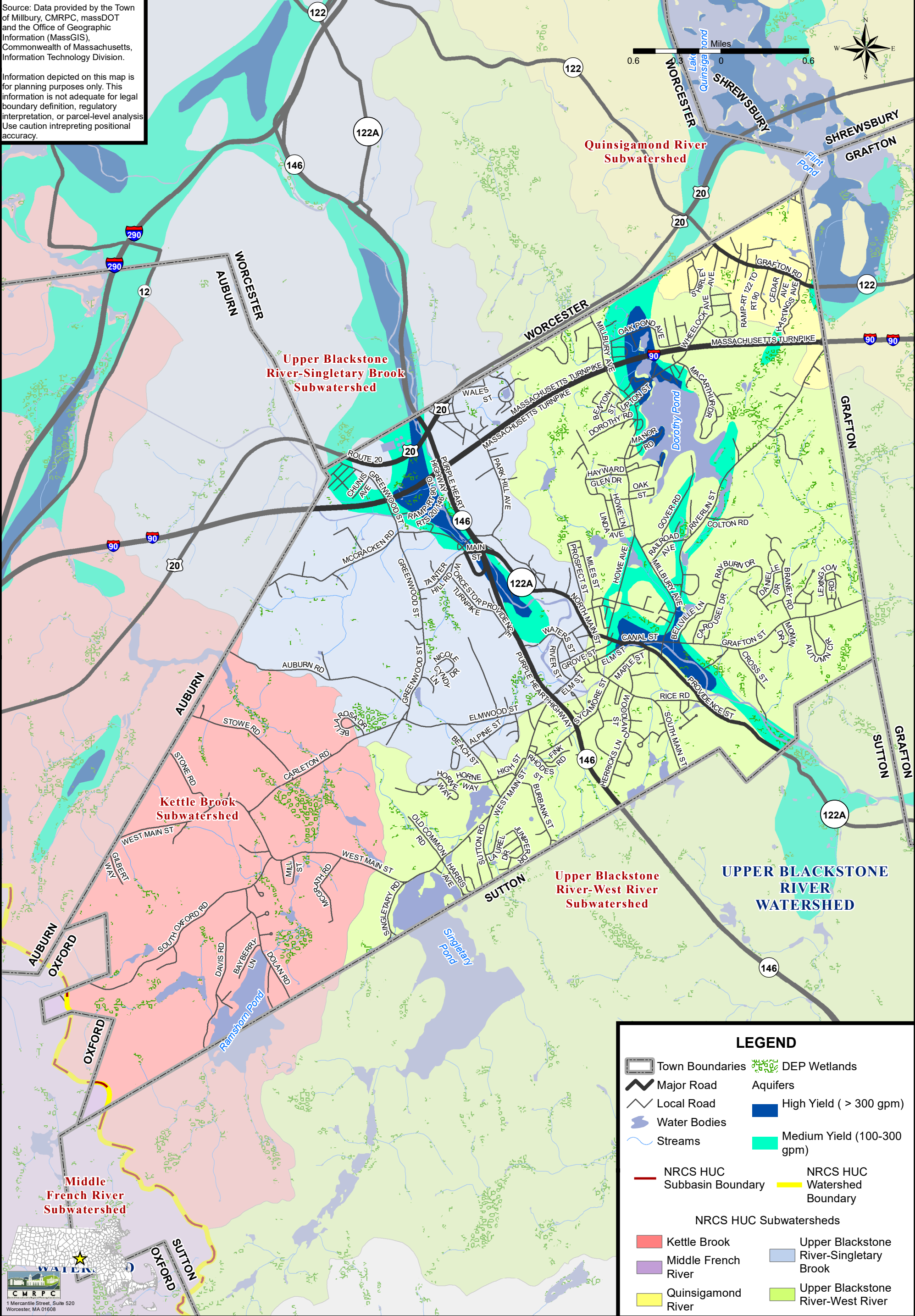
Town of Millbury, Massachusetts

WATER RESOURCES MAP 1

OPEN SPACE AND RECREATION PLAN

Source: Data provided by the Town of Millbury, CMRPC, massDOT and the Office of Geographic Information (MassGIS), Commonwealth of Massachusetts, Information Technology Division.

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Town of Millbury, Massachusetts

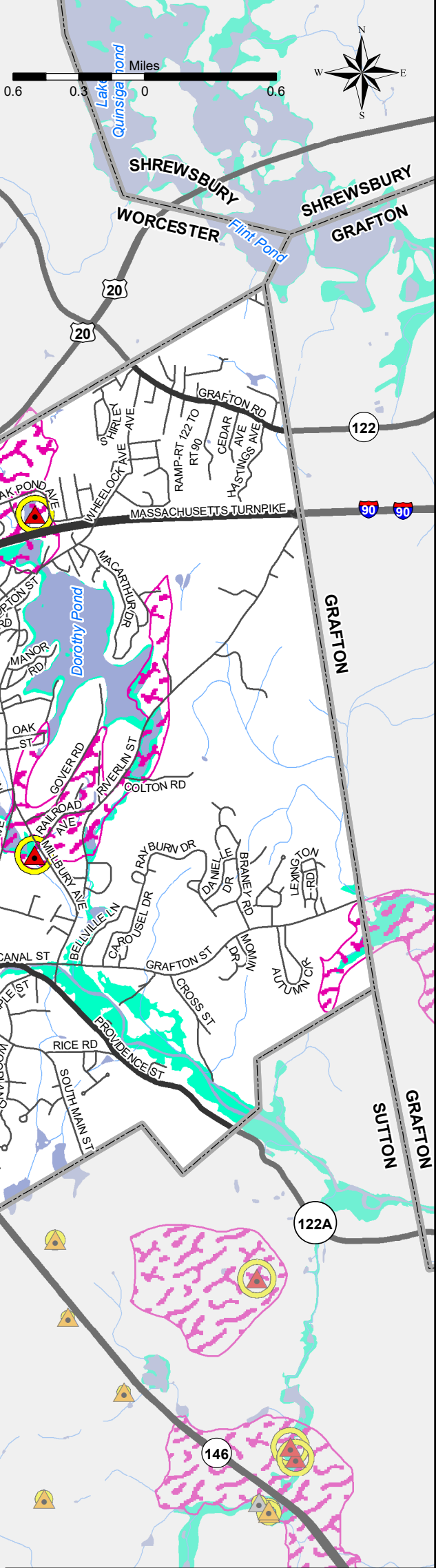
WATER RESOURCES MAP 2

OPEN SPACE AND RECREATION PLAN

Source: Data provided by the Town of Millbury, CMRPC, massDOT and the Office of Geographic Information (MassGIS), Commonwealth of Massachusetts, Information Technology Division.

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- (1) Data current as of 01/2019
- (2) Data current as of 10/2019
- (3) Data current as of 04/2017



LEGEND

Town Boundaries

Water Bodies

Streams

DEP Approved Zone I (2)

Approved Wellhead Protection Areas (Zone II) (2)

Public Water Supplies (1)

Community Groundwater Well

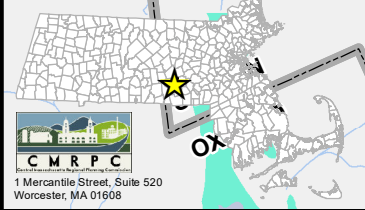
Non-Transient Non-community

Major Road

Local Road

100-year Flood Area (FEMA National Flood Hazard Layer, DFIRM/Q3 Data)

Transient Non-Community



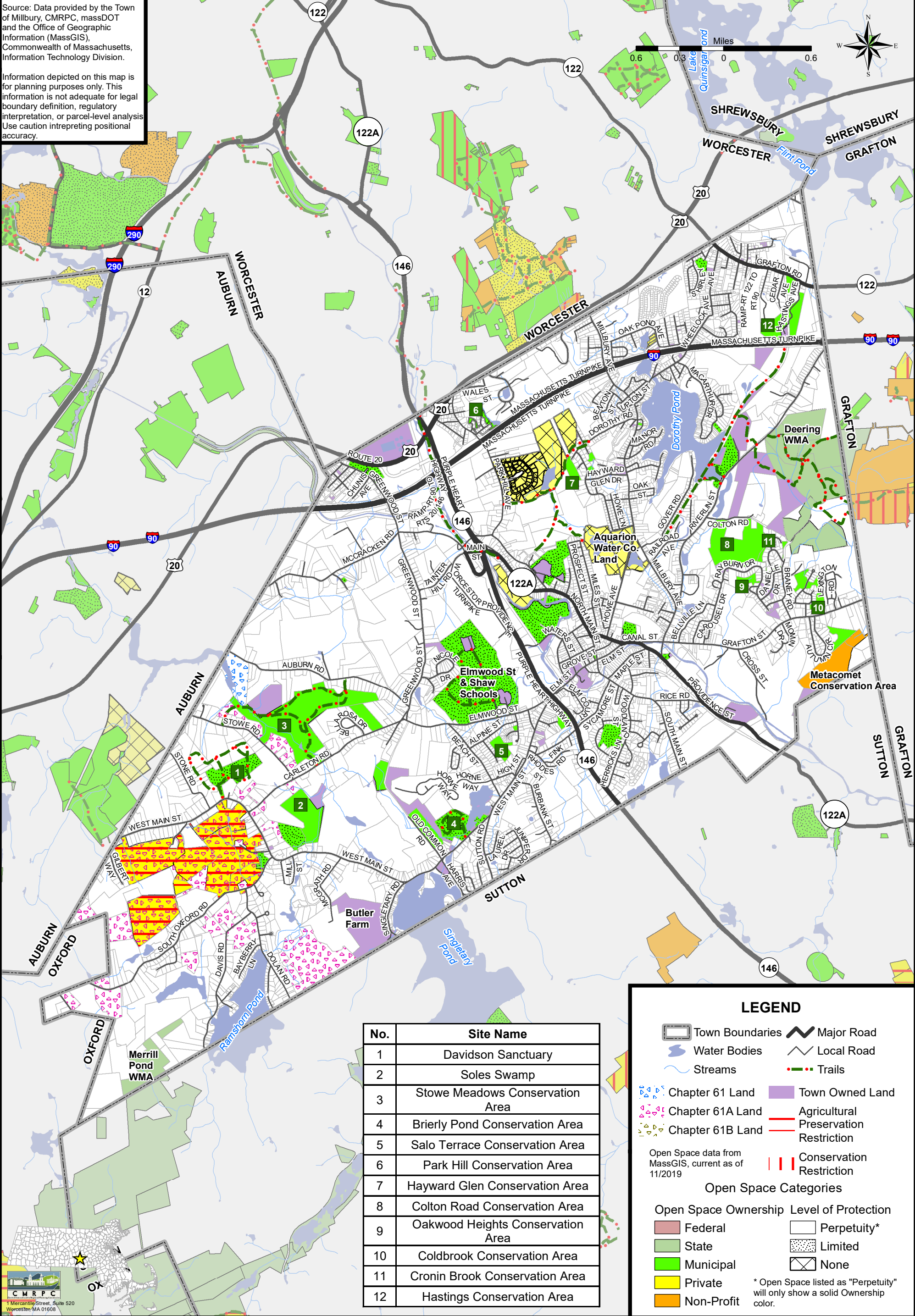
Town of Millbury, Massachusetts

OPEN SPACE INVENTORY

OPEN SPACE AND RECREATION PLAN

Source: Data provided by the Town of Millbury, CMRPC, massDOT and the Office of Geographic Information (MassGIS), Commonwealth of Massachusetts, Information Technology Division.

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No.	Site Name
1	Davidson Sanctuary
2	Soles Swamp
3	Stowe Meadows Conservation Area
4	Brierly Pond Conservation Area
5	Salo Terrace Conservation Area
6	Park Hill Conservation Area
7	Hayward Glen Conservation Area
8	Colton Road Conservation Area
9	Oakwood Heights Conservation Area
10	Coldbrook Conservation Area
11	Cronin Brook Conservation Area
12	Hastings Conservation Area

LEGEND

Town Boundaries

Water Bodies

Streams

Chapter 61 Land

Chapter 61A Land

Chapter 61B Land

Major Road

Local Road

Trails

Town Owned Land

Agricultural Preservation Restriction

Conservation Restriction

Open Space data from MassGIS, current as of 11/2019

Open Space Ownership

Federal

State

Municipal

Private

Non-Profit

Level of Protection

Perpetuity*

Limited

None

* Open Space listed as "Perpetuity" will only show a solid Ownership color.

Town of Millbury, Massachusetts

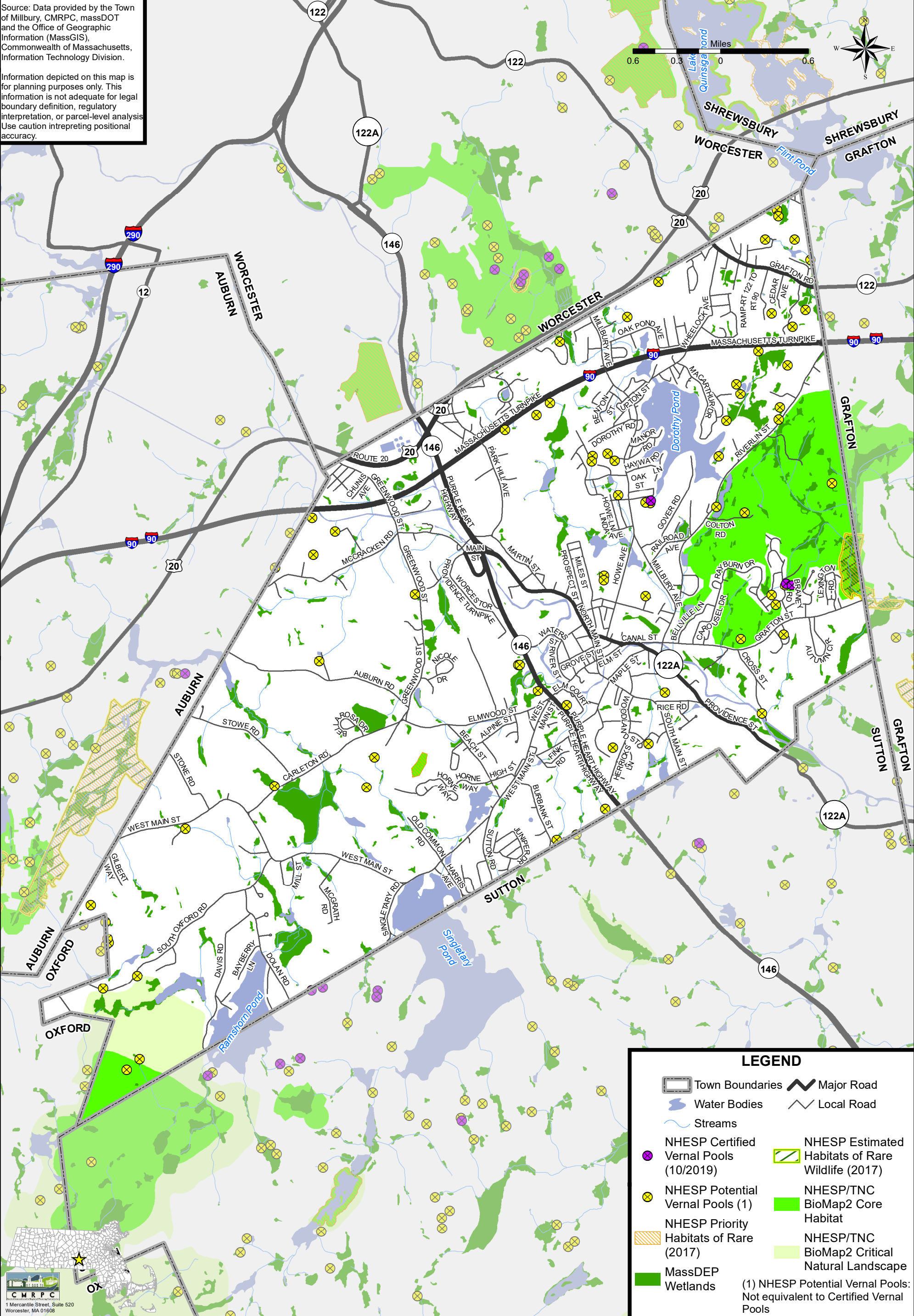
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HABITAT FEATURES

OPEN SPACE AND RECREATION PLAN

Source: Data provided by the Town of Millbury, CMRPC, massDOT and the Office of Geographic Information (MassGIS), Commonwealth of Massachusetts, Information Technology Division.

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Town of Millbury, Massachusetts

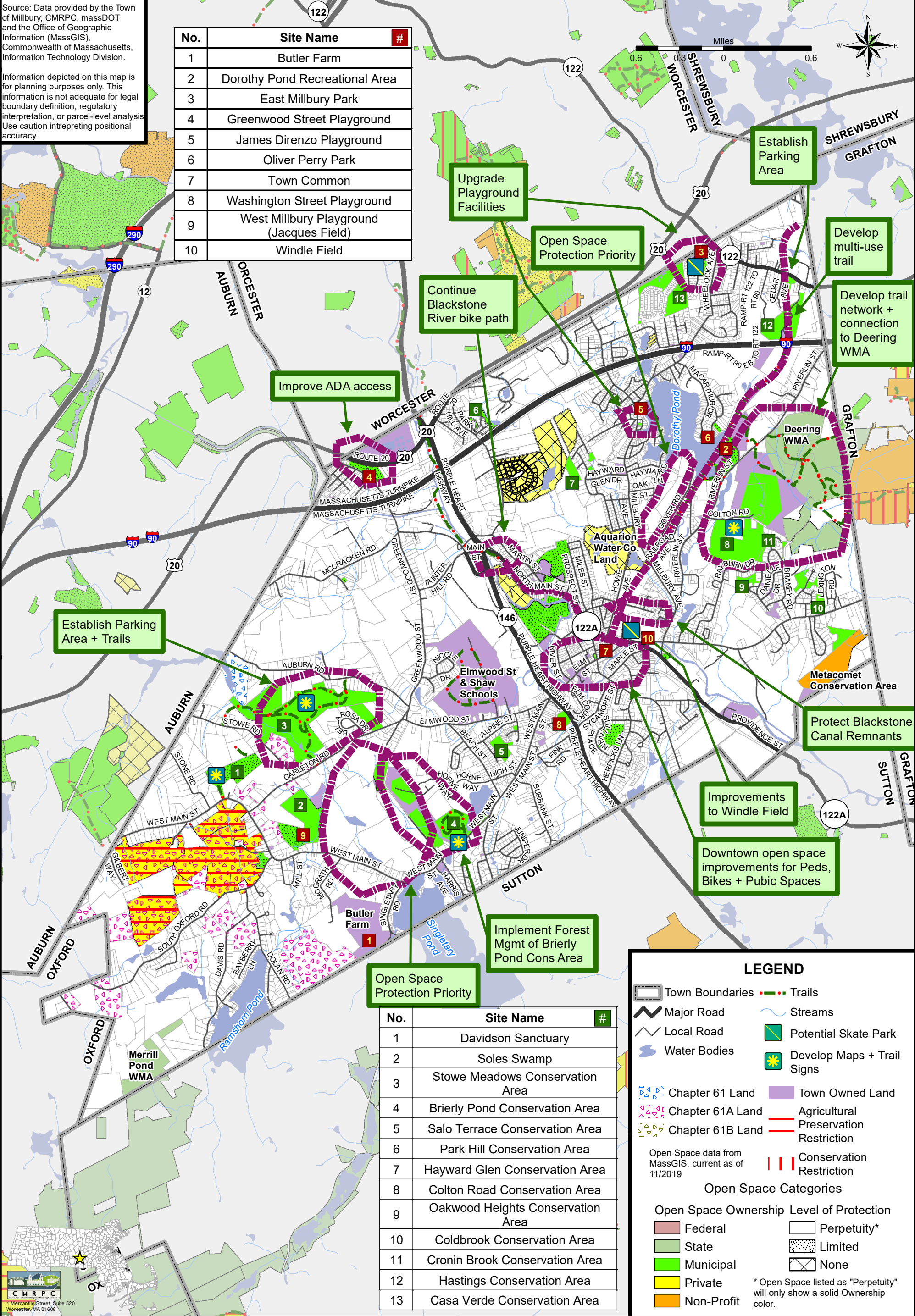
OPEN SPACE ACTION PLAN MAP

OPEN SPACE AND RECREATION PLAN

Source: Data provided by the Town of Millbury, 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.

No.	Site Name	#
1	Butler Farm	
2	Dorothy Pond Recreational Area	
3	East Millbury Park	
4	Greenwood Street Playground	
5	James Drenzo Playground	
6	Oliver Perry Park	
7	Town Common	
8	Washington Street Playground	
9	West Millbury Playground (Jacques Field)	
10	Windle Field	



No.	Site Name	#
1	Davidson Sanctuary	
2	Soles Swamp	
3	Stowe Meadows Conservation Area	
4	Brierly Pond Conservation Area	
5	Salo Terrace Conservation Area	
6	Park Hill Conservation Area	
7	Hayward Glen Conservation Area	
8	Colton Road Conservation Area	
9	Oakwood Heights Conservation Area	
10	Coldbrook Conservation Area	
11	Cronin Brook Conservation Area	
12	Hastings Conservation Area	
13	Casa Verde Conservation Area	

LEGEND

Town Boundaries

Major Road

Local Road

Water Bodies

Chapter 61 Land

Chapter 61A Land

Chapter 61B Land

Open Space data from MassGIS, current as of 11/2019

Trails

Streams

Potential Skate Park

Develop Maps + Trail Signs

Town Owned Land

Agricultural Preservation Restriction

Conservation Restriction

Open Space Categories

Open Space Ownership	Level of Protection
Federal	Perpetuity*
State	Limited
Municipal	None
Private	
Non-Profit	

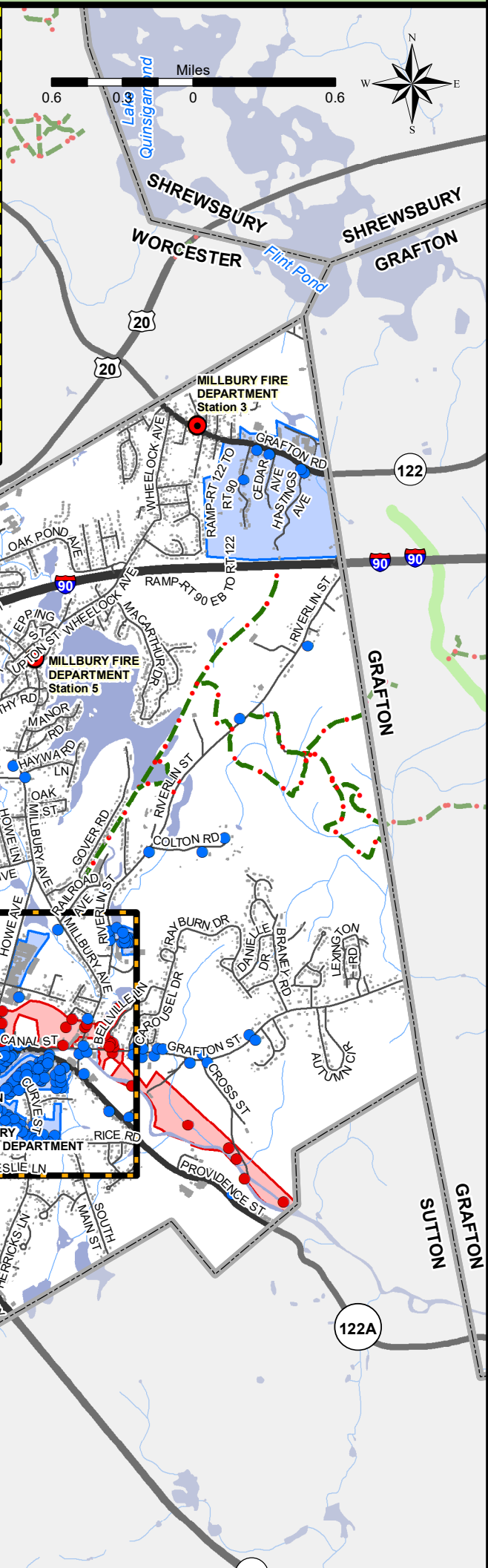
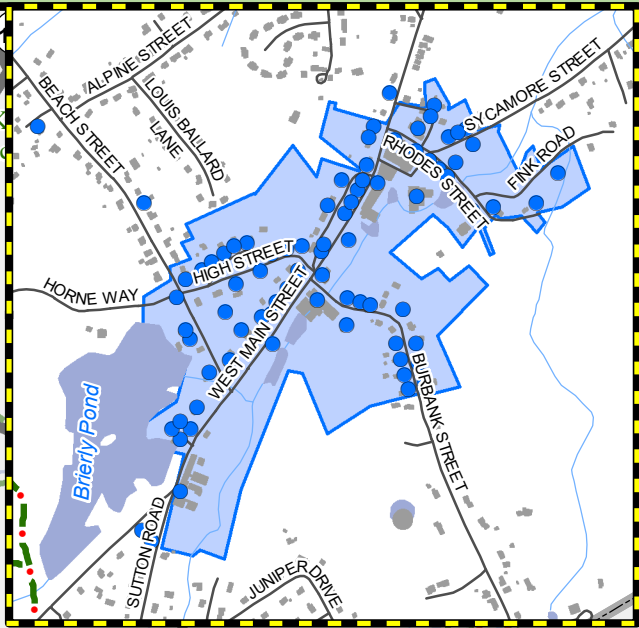
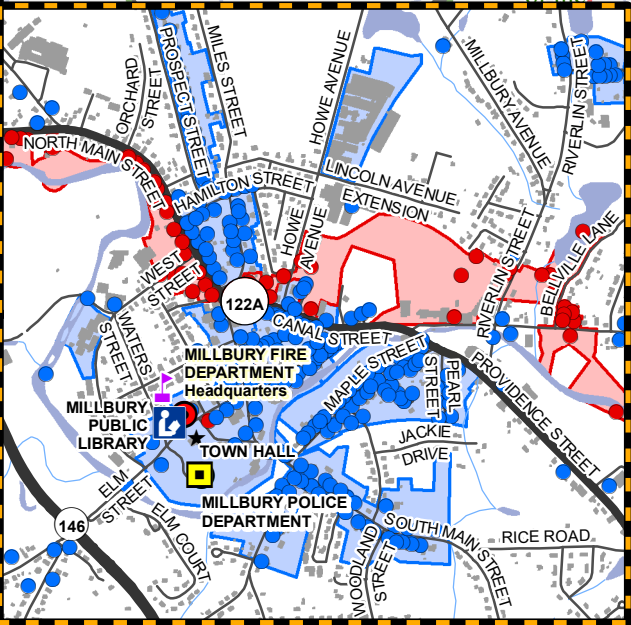
* Open Space listed as "Perpetuity" will only show a solid Ownership color.

HISTORICAL FEATURES

OPEN SPACE AND RECREATION PLAN

Source: Data provided by the Town of Millbury, CMRPC, massDOT and the Office of Geographic Information (MassGIS), Commonwealth of Massachusetts, Information Technology Division.

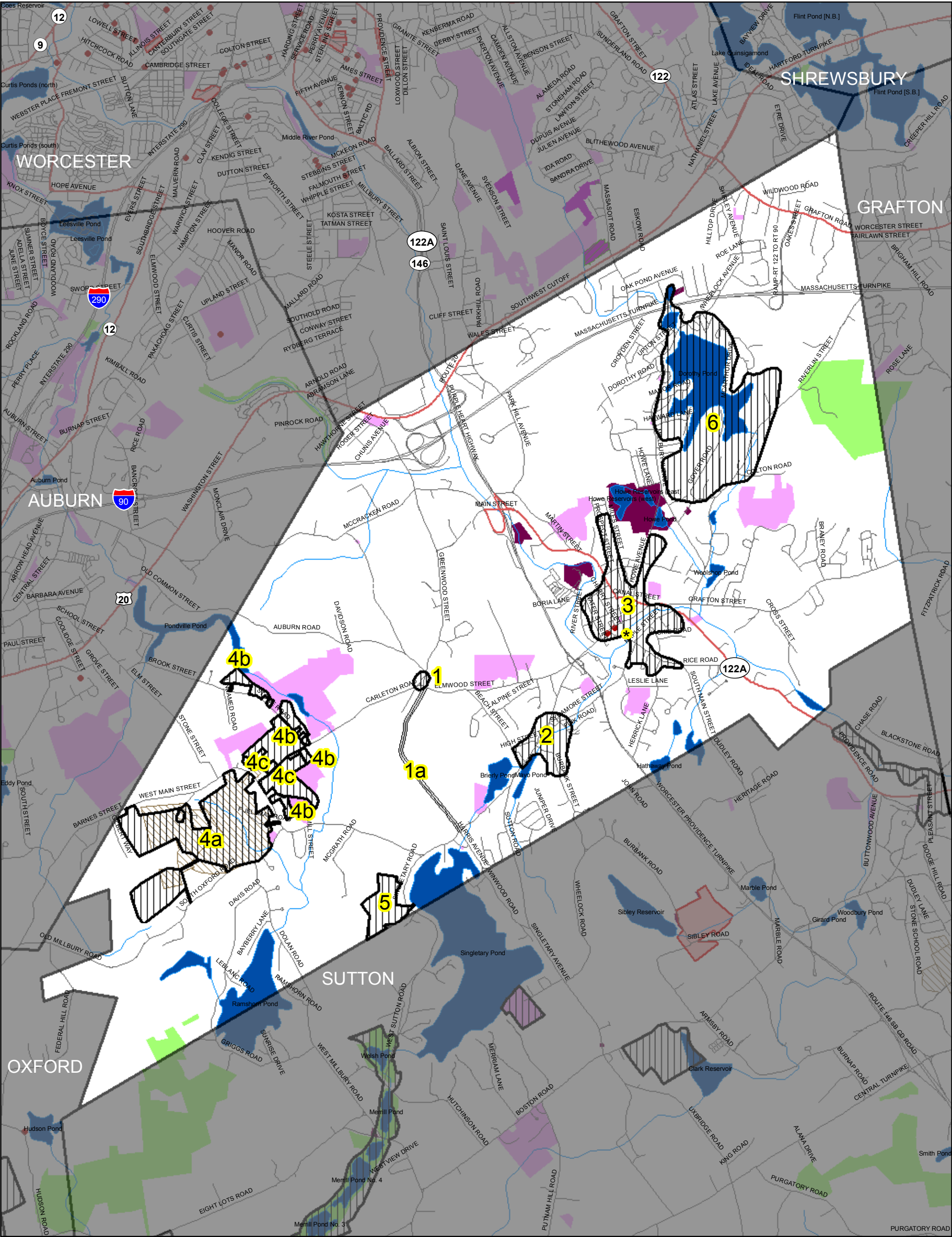
Information depicted on this map is for planning purposes only. This information is not adequate for legal boundary definition, regulatory interpretation, or parcel-level analysis. Use caution interpreting positional accuracy.



LEGEND

- Town Boundaries
- Water Bodies
- Structures
- Major Road
- Local Road
- Scenic Roads
- Trails
- Town Hall
- College or University
- Private
- Public Library
- Fire Stations
- Local Police
- State Police
- MHC Historic Inventory (10/2019)
- Nat'l Register of Historic Places
- Preservation Restriction
- Inventoried Property
- Nat'l Register of Historic Places
- Inventoried Area

Town of Millbury, Massachusetts



MILLBURY HERITAGE LANDSCAPE INVENTORY

Priority Landscapes

1. Old Common

1a. Old Common Road

2. Bramanville

3. Armyville

★ Blackstone River Rapids

4a. Pearson's Dairy Farm

4b. Stowe Farm

4c. Hawk Hill Orchards
5. Butler Farm

6. Dorothy Pond

Map Prepared By:

Hyla Ecological Services, Inc.

(978) 371-1222

www.hyla-ecological.com

HYLAecological

NOTE RE BOUNDARIES: Priority Landscape outlines are not legal parcel boundaries; they indicate local focus of concern. All other GIS data were obtained from MassGIS and may not include 2007 updates.

Priority Landscape

Linear Priority Landscape

State Register of Historic Places

State Register of Historic Districts

Major Road

Road

Conservation Restriction

Agricultural Preservation Restriction

Commonwealth of Massachusetts Land

Non-Profit

Municipal

Land Trust

N

dcr

Massachusetts

0

0.5

1 Miles

Appendix C – MILLBURY’S WATER QUALITY IMPAIRMENTS

1. 2016 MA Integrated List of Waters Categories

Millbury Water Quality Impairments

2016 MA Integrated List of Waters Categories

Integrated List Category	Description
1	Unimpaired and not threatened for all designated uses.
2	Unimpaired for some uses and not assessed for others.
3	Insufficient information to make assessments for any uses.
4	<p>Impaired or threatened for one or more uses, but not requiring calculation of a Total Maximum Daily Load (TMDL), including:</p> <p>4a: TMDL is completed</p> <p>4b: Impairment controlled by alternative pollution control requirements</p> <p>4c: Impairment not caused by a pollutant - TMDL not required</p>
5	Impaired or threatened for one or more uses and requiring preparation of a TMDL.

Water Quality Impairments

MS4 Subwatershed #: MILLBURY_01					
Assessment Unit ID	Waterbody	Integrated List Category	Designated Use	Impairment Cause	Impairment Source
MA51-03	Blackstone River	5	Aesthetic	Debris/Floatables/Trash	Unspecified Urban Stormwater
MA51-03	Blackstone River	5	Aesthetic	Excess Algal Growth	Unspecified Urban Stormwater
MA51-03	Blackstone River	5	Aesthetic	Foam/Flocs/Scum/Oil Slicks	
MA51-03	Blackstone River	5	Aesthetic	Taste and Odor	
MA51-03	Blackstone River	5	Aesthetic	Turbidity	Municipal Point Source Discharges

MA51-03	Blackstone River	5	Aesthetic	Turbidity	Unspecified Urban Stormwater
MA51-03	Blackstone River	5	Aesthetic	Turbidity	Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Ambient Bioassays -- Chronic Aquatic Toxicity	Municipal Point Source Discharges
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Ambient Bioassays -- Chronic Aquatic Toxicity	Source Unknown
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Ambient Bioassays -- Chronic Aquatic Toxicity	Unspecified Urban Stormwater
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Ambient Bioassays -- Chronic Aquatic Toxicity	Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Aquatic Macroinvertebrate Bioassessments	Channelization
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Aquatic Macroinvertebrate Bioassessments	Combined Sewer Overflows
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Aquatic Macroinvertebrate Bioassessments	Highways, Roads, Bridges, Infrastructure (New Construction)
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Aquatic Macroinvertebrate Bioassessments	Municipal Point Source Discharges
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Aquatic Macroinvertebrate Bioassessments	Unspecified Urban Stormwater

MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Fishes Bioassessments	Channelization
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Fishes Bioassessments	Combined Sewer Overflows
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Fishes Bioassessments	Habitat Modification - other than Hydromodification
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Fishes Bioassessments	Highways, Roads, Bridges, Infrastructure (New Construction)
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Fishes Bioassessments	Municipal Point Source Discharges
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Fishes Bioassessments	Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Lead	Municipal Point Source Discharges
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Lead	Source Unknown
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Lead	Unspecified Urban Stormwater
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Lead	Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Nutrient/Eutrophication Biological Indicators	Municipal Point Source Discharges
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Nutrient/Eutrophication Biological Indicators	Source Unknown

MAS1-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Nutrient/Eutrophication Biological Indicators	Unspecified Urban Stormwater
MAS1-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Nutrient/Eutrophication Biological Indicators	Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)
MAS1-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Other	Combined Sewer Overflows
MAS1-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Other	Municipal Point Source Discharges
MAS1-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Other	Source Unknown
MAS1-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Other	Unspecified Urban Stormwater
MAS1-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Other flow regime alterations	Habitat Modification - other than Hydromodification
MAS1-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Other flow regime alterations	Highways, Roads, Bridges, Infrastructure (New Construction)
MAS1-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Other flow regime alterations	Unspecified Urban Stormwater
MAS1-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Oxygen, Dissolved	Municipal Point Source Discharges
MAS1-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Oxygen, Dissolved	Source Unknown
MAS1-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Oxygen, Dissolved	Unspecified Urban Stormwater
MAS1-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Oxygen, Dissolved	Wet Weather Discharges (Point Source and Combination of

					Stormwater, SSO or CSO)
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Phosphorus (Total)	Municipal Point Source Discharges
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Phosphorus (Total)	Source Unknown
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Phosphorus (Total)	Unspecified Urban Stormwater
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Phosphorus (Total)	Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Physical substrate habitat alterations	Habitat Modification - other than Hydromodification
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Physical substrate habitat alterations	Highways, Roads, Bridges, Infrastructure (New Construction)
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Physical substrate habitat alterations	Unspecified Urban Stormwater
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Sedimentation/Siltation	Habitat Modification - other than Hydromodification
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Sedimentation/Siltation	Highways, Roads, Bridges, Infrastructure (New Construction)
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Sedimentation/Siltation	Unspecified Urban Stormwater
MA51-03	Blackstone River	5	Primary Contact Recreation	Debris/Floatables/Trash	Unspecified Urban Stormwater

MA51-03	Blackstone River	5	Primary Contact Recreation	Escherichia coli	Illicit Connections/Hook-ups to Storm Sewers
MA51-03	Blackstone River	5	Primary Contact Recreation	Escherichia coli	Municipal Point Source Discharges
MA51-03	Blackstone River	5	Primary Contact Recreation	Escherichia coli	Unspecified Urban Stormwater
MA51-03	Blackstone River	5	Primary Contact Recreation	Escherichia coli	Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)
MA51-03	Blackstone River	5	Primary Contact Recreation	Excess Algal Growth	Unspecified Urban Stormwater
MA51-03	Blackstone River	5	Primary Contact Recreation	Foam/Flocs/Scum/Oil Slicks	Unspecified Urban Stormwater
MA51-03	Blackstone River	5	Primary Contact Recreation	Turbidity	Unspecified Urban Stormwater
MA51-03	Blackstone River	5	Secondary Contact Recreation	Debris/Floatables/Trash	Unspecified Urban Stormwater
MA51-03	Blackstone River	5	Secondary Contact Recreation	Escherichia coli	Illicit Connections/Hook-ups to Storm Sewers
MA51-03	Blackstone River	5	Secondary Contact Recreation	Escherichia coli	Municipal Point Source Discharges
MA51039	Dorothy Pond	4A	Aesthetic	Turbidity	Source Unknown
MA51039	Dorothy Pond	4A	Fish, other Aquatic Life and Wildlife	Eurasian Water Milfoil, Myriophyllum spicatum	Introduction of Non-native Organisms (Accidental or Intentional)
MA51039	Dorothy Pond	4A	Fish, other Aquatic Life and Wildlife	Non-Native Aquatic Plants	Introduction of Non-native Organisms (Accidental or Intentional)

MA51039	Dorothy Pond	4A	Primary Contact Recreation	Turbidity	Source Unknown
MA51039	Dorothy Pond	4A	Secondary Contact Recreation	Turbidity	Source Unknown
MA51070	Howe Reservoirs	4C	Aesthetic	Low flow alterations	Source Unknown
MA51070	Howe Reservoirs	4C	Fish, other Aquatic Life and Wildlife	Low flow alterations	Source Unknown
MA51070	Howe Reservoirs	4C	Fish, other Aquatic Life and Wildlife	Non-Native Aquatic Plants	Introduction of Non-native Organisms (Accidental or Intentional)
MA51070	Howe Reservoirs	4C	Primary Contact Recreation	Low flow alterations	Source Unknown
MA51070	Howe Reservoirs	4C	Secondary Contact Recreation	Low flow alterations	Source Unknown
MA51071	Howe Reservoirs	4A	Aesthetic	Aquatic Plants (Macrophytes)	Source Unknown
MA51071	Howe Reservoirs	4A	Primary Contact Recreation	Aquatic Plants (Macrophytes)	Source Unknown
MA51071	Howe Reservoirs	4A	Secondary Contact Recreation	Aquatic Plants (Macrophytes)	Source Unknown
MA51-03	Blackstone River	5	Secondary Contact Recreation	Escherichia coli	Unspecified Urban Stormwater
MA51-03	Blackstone River	5	Secondary Contact Recreation	Escherichia coli	Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)
MA51-03	Blackstone River	5	Secondary Contact Recreation	Excess Algal Growth	Unspecified Urban Stormwater
MA51-03	Blackstone River	5	Secondary Contact Recreation	Foam/Flocs/Scum/Oil Slicks	

MAS1-03	Blackstone River	5	Secondary Contact Recreation	Taste and Odor	Unspecified Urban Stormwater
MAS1-03	Blackstone River	5	Secondary Contact Recreation	Turbidity	Unspecified Urban Stormwater
MAS1137	Riverlin Street Pond	4C	Aesthetic	Non-Native Aquatic Plants	Introduction of Non-native Organisms (Accidental or Intentional)
MAS1137	Riverlin Street Pond	4C	Fish, other Aquatic Life and Wildlife	Non-Native Aquatic Plants	Introduction of Non-native Organisms (Accidental or Intentional)
MAS1137	Riverlin Street Pond	4C	Primary Contact Recreation	Non-Native Aquatic Plants	Introduction of Non-native Organisms (Accidental or Intentional)
MAS1137	Riverlin Street Pond	4C	Secondary Contact Recreation	Non-Native Aquatic Plants	Introduction of Non-native Organisms (Accidental or Intentional)
MAS1186	Woolshop Pond	5	Aesthetic	Aquatic Plants (Macrophytes)	Source Unknown
MAS1186	Woolshop Pond	5	Aesthetic	Non-Native Aquatic Plants	Introduction of Non-native Organisms (Accidental or Intentional)
MAS1186	Woolshop Pond	5	Aesthetic	Turbidity	Source Unknown
MAS1186	Woolshop Pond	5	Fish, other Aquatic Life and Wildlife	Non-Native Aquatic Plants	Introduction of Non-native Organisms (Accidental or Intentional)
MAS1186	Woolshop Pond	5	Primary Contact Recreation	Aquatic Plants (Macrophytes)	Source Unknown
MAS1186	Woolshop Pond	5	Primary Contact Recreation	Non-Native Aquatic Plants	Introduction of Non-native Organisms (Accidental or Intentional)

MA51186	Woolshop Pond	5	Primary Contact Recreation	Turbidity	Source Unknown
MA51186	Woolshop Pond	5	Secondary Contact Recreation	Aquatic Plants (Macrophytes)	Source Unknown
MA51186	Woolshop Pond	5	Secondary Contact Recreation	Non-Native Aquatic Plants	Introduction of Non-native Organisms (Accidental or Intentional)
MA51186	Woolshop Pond	5	Secondary Contact Recreation	Turbidity	Source Unknown

MS4 Subwatershed #: MILLBURY_05					
Assessment Unit ID	Waterbody	Integrated List Category	Designated Use	Impairment Cause	Impairment Source
MA51152	Singletary Pond	4C	Fish, other Aquatic Life and Wildlife	Eurasian Water Milfoil, Myriophyllum spicatum	Introduction of Non-native Organisms (Accidental or Intentional)
MA51-31	Singletary Brook	5	Aesthetic	Aquatic Plants (Macrophytes)	Source Unknown
MA51152	Singletary Pond	4C	Fish, other Aquatic Life and Wildlife	Non-Native Aquatic Plants	Introduction of Non-native Organisms (Accidental or Intentional)
MA51-31	Singletary Brook	5	Fish, other Aquatic Life and Wildlife	Non-Native Aquatic Plants	Introduction of Non-native Organisms (Accidental or Intentional)
MA51-31	Singletary Brook	5	Primary Contact Recreation	Aquatic Plants (Macrophytes)	Source Unknown
MA51-31	Singletary Brook	5	Secondary Contact Recreation	Aquatic Plants (Macrophytes)	Source Unknown

MS4 Subwatershed #: MILLBURY_06

Assessment Unit ID	Waterbody	Integrated List Category	Designated Use	Impairment Cause	Impairment Source
MA51-03	Blackstone River	5	Secondary Contact Recreation	Turbidity	Unspecified Urban Stormwater
MA51-03	Blackstone River	5	Secondary Contact Recreation	Taste and Odor	Unspecified Urban Stormwater
MA51-03	Blackstone River	5	Secondary Contact Recreation	Foam/Flocs/Scum/Oil Slicks	
MA51-03	Blackstone River	5	Secondary Contact Recreation	Excess Algal Growth	Unspecified Urban Stormwater
MA51-03	Blackstone River	5	Secondary Contact Recreation	Escherichia coli	Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)
MA51-03	Blackstone River	5	Secondary Contact Recreation	Escherichia coli	Unspecified Urban Stormwater
MA51-03	Blackstone River	5	Secondary Contact Recreation	Escherichia coli	Municipal Point Source Discharges
MA51-03	Blackstone River	5	Secondary Contact Recreation	Escherichia coli	Illicit Connections/Hook-ups to Storm Sewers
MA51-03	Blackstone River	5	Secondary Contact Recreation	Debris/Floatables/Trash	Unspecified Urban Stormwater
MA51-03	Blackstone River	5	Primary Contact Recreation	Turbidity	Unspecified Urban Stormwater
MA51-03	Blackstone River	5	Primary Contact Recreation	Foam/Flocs/Scum/Oil Slicks	Unspecified Urban Stormwater

MA51-03	Blackstone River	5	Primary Contact Recreation	Excess Algal Growth	Unspecified Urban Stormwater
MA51-03	Blackstone River	5	Primary Contact Recreation	Escherichia coli	Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)
MA51-03	Blackstone River	5	Primary Contact Recreation	Escherichia coli	Unspecified Urban Stormwater
MA51-03	Blackstone River	5	Primary Contact Recreation	Escherichia coli	Municipal Point Source Discharges
MA51-03	Blackstone River	5	Primary Contact Recreation	Escherichia coli	Illicit Connections/Hook-ups to Storm Sewers
MA51-03	Blackstone River	5	Primary Contact Recreation	Debris/Floatables/Trash	Unspecified Urban Stormwater
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Sedimentation/Siltation	Unspecified Urban Stormwater
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Sedimentation/Siltation	Highways, Roads, Bridges, Infrastructure (New Construction)
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Sedimentation/Siltation	Habitat Modification - other than Hydromodification
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Physical substrate habitat alterations	Unspecified Urban Stormwater
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Physical substrate habitat alterations	Highways, Roads, Bridges, Infrastructure (New Construction)
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Physical substrate habitat alterations	Habitat Modification - other than Hydromodification

MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Phosphorus (Total)	Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Phosphorus (Total)	Unspecified Urban Stormwater
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Phosphorus (Total)	Source Unknown
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Phosphorus (Total)	Municipal Point Source Discharges
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Oxygen, Dissolved	Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Oxygen, Dissolved	Unspecified Urban Stormwater
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Oxygen, Dissolved	Source Unknown
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Oxygen, Dissolved	Municipal Point Source Discharges
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Other flow regime alterations	Unspecified Urban Stormwater
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Other flow regime alterations	Highways, Roads, Bridges, Infrastructure (New Construction)
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Other flow regime alterations	Habitat Modification - other than Hydromodification
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Other	Unspecified Urban Stormwater

MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Other	Source Unknown
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Other	Municipal Point Source Discharges
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Other	Combined Sewer Overflows
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Nutrient/Eutrophication Biological Indicators	Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Nutrient/Eutrophication Biological Indicators	Unspecified Urban Stormwater
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Nutrient/Eutrophication Biological Indicators	Source Unknown
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Nutrient/Eutrophication Biological Indicators	Municipal Point Source Discharges
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Lead	Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Lead	Unspecified Urban Stormwater
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Lead	Source Unknown
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Lead	Municipal Point Source Discharges
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Fishes Bioassessments	Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Fishes Bioassessments	Municipal Point Source Discharges
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Fishes Bioassessments	Highways, Roads, Bridges, Infrastructure (New Construction)
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Fishes Bioassessments	Habitat Modification - other than Hydromodification
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Fishes Bioassessments	Combined Sewer Overflows
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Fishes Bioassessments	Channelization
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Aquatic Macroinvertebrate Bioassessments	Unspecified Urban Stormwater
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Aquatic Macroinvertebrate Bioassessments	Municipal Point Source Discharges
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Aquatic Macroinvertebrate Bioassessments	Highways, Roads, Bridges, Infrastructure (New Construction)
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Aquatic Macroinvertebrate Bioassessments	Combined Sewer Overflows
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Aquatic Macroinvertebrate Bioassessments	Channelization
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Ambient Bioassays -- Chronic Aquatic Toxicity	Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Ambient Bioassays -- Chronic Aquatic Toxicity	Unspecified Urban Stormwater

MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Ambient Bioassays -- Chronic Aquatic Toxicity	Source Unknown
MA51-03	Blackstone River	5	Fish, other Aquatic Life and Wildlife	Ambient Bioassays -- Chronic Aquatic Toxicity	Municipal Point Source Discharges
MA51-03	Blackstone River	5	Aesthetic	Turbidity	Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)
MA51-03	Blackstone River	5	Aesthetic	Turbidity	Unspecified Urban Stormwater
MA51-03	Blackstone River	5	Aesthetic	Turbidity	Municipal Point Source Discharges
MA51-03	Blackstone River	5	Aesthetic	Taste and Odor	
MA51-03	Blackstone River	5	Aesthetic	Foam/Flocs/Scum/Oil Slicks	
MA51-03	Blackstone River	5	Aesthetic	Excess Algal Growth	Unspecified Urban Stormwater
MA51-03	Blackstone River	5	Aesthetic	Debris/Floatables/Trash	Unspecified Urban Stormwater

MS4 Subwatershed #: MILLBURY_07					
Assessment Unit ID	Waterbody	Integrated List Category	Designated Use	Impairment Cause	Impairment Source
MA51010	Brierly Pond	4A	Aesthetic	Aquatic Plants (Macrophytes)	Source Unknown
MA51010	Brierly Pond	4A	Fish, other Aquatic Life and Wildlife	Non-Native Aquatic Plants	Introduction of Non-native Organisms

					(Accidental or Intentional)
MA51010	Brierly Pond	4A	Primary Contact Recreation	Aquatic Plants (Macrophytes)	Source Unknown
MA51010	Brierly Pond	4A	Secondary Contact Recreation	Aquatic Plants (Macrophytes)	Source Unknown
MA51152	Singletary Pond	4C	Fish, other Aquatic Life and Wildlife	Eurasian Water Milfoil, Myriophyllum spicatum	Introduction of Non-native Organisms (Accidental or Intentional)
MA51-31	Singletary Brook	5	Secondary Contact Recreation	Aquatic Plants (Macrophytes)	Source Unknown
MA51-31	Singletary Brook	5	Primary Contact Recreation	Aquatic Plants (Macrophytes)	Source Unknown
MA51-31	Singletary Brook	5	Fish, other Aquatic Life and Wildlife	Non-Native Aquatic Plants	Introduction of Non-native Organisms (Accidental or Intentional)
MA51152	Singletary Pond	4C	Fish, other Aquatic Life and Wildlife	Non-Native Aquatic Plants	Introduction of Non-native Organisms (Accidental or Intentional)
MA51-31	Singletary Brook	5	Aesthetic	Aquatic Plants (Macrophytes)	Source Unknown

Appendix D – DEP WASTE RELEASE SITES

1. Reportable Releases in Millbury, Massachusetts

Millbury DEP Waste Release Sites										
Release Tracking Number	City/Town	Release Address	Site Name Location Aid	Reporting Category	Notification Date	Compliance Status	Date	Phase	RAO Class	Chemical Type
2-0021550	MILLBURY	OAK POND AVENUE	OAK POND WELL	72 HR	02/16/2021	UNCLASSIFIED	02/16/2021			
2-0021515	MILLBURY	331 SOUTHWEST CUTOFF	LIME SLURRY RELEASE	TWO HR	03/29/2021	UNCLASSIFIED	03/29/2021			
2-0021427	MILLBURY	68 MILES ST	DAMAGED TRANSFORMER FROM STORM	TWO HR	12/06/2020	PSNC	02/01/2021		PN	
2-0021193	MILLBURY	I-90 WB MM 99.4	DIESEL FUEL RELEASE	TWO HR	03/29/2020	PSNC	04/28/2020		PN	
2-0021190	MILLBURY	I-90 WB MM 95	DIESEL FUEL RELEASE	TWO HR	03/26/2020	PSNC	04/24/2020		PN	
2-0021157	MILLBURY	I-90 EXIT 10A WB	TT ROLLOVER	TWO HR	02/26/2020	PSNC	04/24/2020		PN	
2-0021112	MILLBURY	237 WEST MAIN STREET	RESIDENTIAL PROPERTY	120 DY	12/24/2019	PSNC	11/06/2020		PN	
2-0021047	MILLBURY	331 SOUTHWEST CUTOFF	WHEELABRATOR TECHNOLOGIES, INC	TWO HR	10/13/2019	PSNC	08/11/2020		PN	
2-0021000	MILLBURY	519 RT 20	PARK AND RIDE LOT	TWO HR	08/30/2019	PSNC	10/10/2019		PN	
2-0020871	MILLBURY	MASSPIKE EAST AT MM 94	TRACTOR TRAILER ACCIDENT	TWO HR	04/27/2019	PSNC	05/01/2020		PN	
2-0020821	MILLBURY	I-90WB MM 95.2	DIESEL FUEL RELEASE	TWO HR	03/05/2019	PSNC	07/02/2019		PN	
2-0020814	MILLBURY	MAP 77 LOT 11, WEST MAIN ST	VACANT LAND	120 DY	02/22/2019	PSNC	05/06/2019		PN	
2-0020655	MILLBURY	WORCESTER PROVIDENCE TPKE @ EXIT 8	DIESEL SPILL FROM TT UNIT	TWO HR	09/12/2018	TIER1D	09/19/2019			
2-0020644	MILLBURY	100 WORCESTER PROVIDENCE TPKE	DIESEL FUEL RELEASE	TWO HR	09/04/2018	PSNC	11/01/2018		PN	
2-0020332	MILLBURY	331 SOUTHWEST CUTOFF	WHEELABRATOR	TWO HR	10/12/2017	PSNC	12/11/2017		PN	
2-0020331	MILLBURY	331 SOUTHWEST CUTOFF ROAD	WHEELABRATOR	TWO HR	10/11/2017	PSNC	10/31/2017		PN	
2-0020194	MILLBURY	ROUTE 20 NEAR #50	ROADWAY RELEASE	TWO HR	05/18/2017	PSNC	07/05/2017		PN	
2-0020163	MILLBURY	7 LT WILLIAM HAYNES MEMORIAL	RESIDENCE	TWO HR	04/02/2017	PSNC	01/31/2018		PN	
2-0020117	MILLBURY	331 SW CUTOFF	WHEELABRATOR MILLBURY	TWO HR	02/23/2017	PSNC	03/27/2017		PN	
2-0020090	MILLBURY	86 PROVIDENCE ROAD	BARRDAY CORP	TWO HR	01/18/2017	PSNC	02/21/2017		PN	
2-0019720	MILLBURY	RTE 90 EAST MM 96.8	REGENCY TRANSPORTATION ROADWAY RELEASE	TWO HR	12/05/2015	PSNC	02/05/2016		PN	
2-0019619	MILLBURY	331 ROUTE 20	WHEELABRATOR MILLBURY	TWO HR	08/19/2015	PSNC	09/25/2015		PN	
2-0019536	MILLBURY	MA TPK @ EXIT 10A RAMP	TRUCK ACCIDENT MA TPK RAMP TO RTE 20	TWO HR	06/10/2015	PSNC	08/10/2015		PN	
2-0019216	MILLBURY	MASS TRPK WEST MM 95.5	DIESEL FUEL RELEASE	TWO HR	06/03/2014	PSNC	06/19/2014		PN	Oil
2-0019177	MILLBURY	33 UPTON STREET	RESIDENTIAL PROPERTY	72 HR	04/23/2014	PSNC	08/29/2017			Oil
2-0019155	MILLBURY	RT. 90	MASS TURNPIKE WESTBOUND LANE,	TWO HR	04/03/2014	PSNC	05/07/2014		PN	Oil
2-0019075	MILLBURY	33 UPTON STREET	RESIDENTIAL FUEL OIL RELEASE	TWO HR	12/20/2013	PSNC	08/29/2017	PHASE II	PN	Oil
2-0019061	MILLBURY	24 WEST MAIN STREET	24 WEST MAIN STREET	120 DY	12/02/2013	PSC	08/14/2014		PC	Oil
2-0018874	MILLBURY	100 WORCESTER PROVIDENCE TRPK	XTRA MART STATION	TWO HR	04/20/2013	RAO	06/19/2013		A1	Oil
2-0018734	MILLBURY	RTE 146 SOUTHBOUND	OFF ROAD AT MILLBURY MALL	TWO HR	11/04/2012	RAO	12/21/2012		A2	Oil
2-0018674	MILLBURY	331 SOUTHWEST CUTOFF	WHEELABRATOR FACILITY	TWO HR	08/22/2012	RAO	10/19/2012		A1	
2-0018569	MILLBURY	1 ELM STREET	MCLAUGHLIN SERVICE INC	72 HR	05/08/2012	RAO	01/29/2013		A2	Oil
2-0018499	MILLBURY	331 SOUTHWEST CUTOFF	WHEELABRATOR	TWO HR	02/17/2012	RAO	03/07/2012		A1	Oil
2-0018481	MILLBURY	86 PROVIDENCE ST	BARRDAY/LEWCOTT	72 HR	01/18/2012	RTN CLOSED	09/11/2012			Hazardous Material
2-0018475	MILLBURY	331 SOUTHWEST CUT-OFF	WHEELABRATOR	TWO HR	01/11/2012	RAO	03/12/2012		A1	
2-0018438	MILLBURY	331 SOUTHWEST CUT-OFF	WHEELABRATOR INCINERATOR	TWO HR	12/05/2011	RAO	02/01/2012		A1	
2-0018426	MILLBURY	331 SOUTHWEST CUTOFF	WHEELABRATOR MILLBURY	TWO HR	11/28/2011	RAO	01/25/2012		A1	Oil
2-0018420	MILLBURY	331 SOUTHWEST CUTOFF	WHEELABRATOR MILLBURY	TWO HR	11/22/2011	RAO	12/22/2011		A1	
2-0018359	MILLBURY	331 SOUTHWEST CUTTOFF	WHEELABRATOR	TWO HR	10/03/2011	RAO	11/11/2011		A1	
2-0018327	MILLBURY	86 PROVIDENCE ST	BARRDAY/LEWCOTT	TWO HR	09/06/2011	PSNC	12/19/2014	PHASE II	PN	Hazardous Material
2-0018307	MILLBURY	WALES STREET	MODF RELEASE	TWO HR	08/28/2011	RAO	10/24/2011		A1	
2-0018230	MILLBURY	331 SOUTHWEST CUTOFF	WHEELABRATOR	TWO HR	06/10/2011	RAO	08/08/2011		A2	

Millbury DEP Waste Release Sites										
Release Tracking Number	City/Town	Release Address	Site Name Location Aid	Reporting Category	Notification Date	Compliance Status	Date	Phase	RAO Class	Chemical Type
2-0018198	MILLBURY	331 SOUTHWEST CUTOFF	ROADWAY RELEASE	TWO HR	05/18/2011	RAO	07/18/2011		A2	Hazardous Material
2-0018184	MILLBURY	331 SOUTHWEST CUTOFF	WHEELABRATOR	TWO HR	05/09/2011	RAO	07/08/2011		A1	
2-0018173	MILLBURY	MASSPIKE EAST AT MM 93	STORM DRAIN RELEASE	TWO HR	05/01/2011	RAO	08/11/2011		A2	Oil
2-0018162	MILLBURY	331 SOUTHWEST CUTOFF	WHEELABRATOR	TWO HR	04/17/2011	RAO	06/14/2011		A1	
2-0018113	MILLBURY	331 SOUTHWEST CUTOFF ROAD	WHEELABRATOR FACILITY	TWO HR	02/26/2011	RAO	04/25/2011		A1	
2-0018100	MILLBURY	WEST BOUND MASS TURNPIKE	MASSACHUSETTS TURNPIKE	TWO HR	02/04/2011	RAO	06/03/2011		A2	Oil
2-0018095	MILLBURY	190 WEST MAIN STREET	S&D SPINNING MILL	TWO HR	01/31/2011	RAO	05/06/2011		A2	Oil
2-0017989	MILLBURY	331 SOUTHWEST CUTOFF	WHEELABRATOR	TWO HR	09/14/2010	RAO	03/16/2011		A2	
2-0017983	MILLBURY	331 SOUTHWEST CUTOFF	WHEELABRATOR MILLBURY ACCESS RD	TWO HR	09/03/2010	RAO	10/05/2010		A2	Oil
2-0017918	MILLBURY	62 MILES ST	RESIDENCE	72 HR	07/02/2010	RAO	09/03/2010		A2	Oil
2-0017876	MILLBURY	MA TPKE MM 95 6	MA TPK ACCIDENT	TWO HR	05/13/2010	RAO	09/17/2010		A1	Oil
2-0017843	MILLBURY	53 STOWE RD	RESIDENCE	TWO HR	05/05/2010	RAO	02/07/2011		A2	Oil
2-0017792	MILLBURY	137 NORTH PROVIDENCE	TOWN OF MILLBURY HIGHWAY GARAGE	72 HR	02/09/2010	RAO	06/16/2010		A2	Oil
2-0017630	MILLBURY	9 LATTI FARM RD	WORCESTER T&G	TWO HR	08/31/2009	RAO	11/02/2009		A1	Oil
2-0017502	MILLBURY	100 WORCESTER PROVIDENCE TPKE	XTRA MART	TWO HR	04/29/2009	RAO	04/09/2010		A2	
2-0017462	MILLBURY	1 BACKSTRAND RD	RESIDENCE	TWO HR	03/24/2009	RAO	03/24/2010		A2	Oil
2-0017267	MILLBURY	TOWN OF MILLBURY	AREAS 6,7, 11 SEWER PROJECT	120 DY	09/22/2008	URAM	09/22/2008			Oil
2-0017245	MILLBURY	NORTH PROVIDENCE RD	ROUTE 122A BRIDGE OVER BLACKSTONE RIVER	120 DY	09/12/2008	URAM	09/18/2008			Hazardous Material
2-0017180	MILLBURY	50 RTE 20	BLACKSTONE TREATMENT PLANT	TWO HR	07/24/2008	RAO	09/19/2008		A2	Oil
2-0016844	MILLBURY	MILLBURY AVE	IN STREET NEAR 166 MILLBURY AVE	120 DY	10/01/2007	URAM	10/10/2007			Oil
2-0016822	MILLBURY	50 RTE 20	UBWPAD	72 HR	09/14/2007	RTN CLOSED	09/03/2008			Oil
2-0016809	MILLBURY	123 ELM ST	ASA WATERS MANSION	72 HR	09/04/2007	TMPS	03/18/2020			Oil
2-0016729	MILLBURY	56 CANAL ST	ICE CREAM BARN	120 DY	06/19/2007	RTN CLOSED	08/16/2007			Oil
2-0016621	MILLBURY	ASHTON LN BLDG 7	RJ MERUSI CO INC	TWO HR	03/12/2007	RAO	07/10/2007		A1	Oil
2-0016552	MILLBURY	331 SOUTHWEST CUTOFF	WHEELABRATOR	TWO HR	01/22/2007	RAO	03/26/2007		A1	Oil
2-0016548	MILLBURY	100 WORCESTER PROVIDENCE TPKE	MILLBURY XTRA MART	TWO HR	01/19/2007	RAO	03/15/2007		A1	Oil
2-0016533	MILLBURY	MCCRACKEN RD AND N MAIN ST	THE SHOPPES AT BLACKSTONE VALLEY	TWO HR	01/09/2007	RAO	03/15/2007		A1	Oil
2-0016530	MILLBURY	10 LATTI FARM RD	ESTES EXPRESS TERMINAL	TWO HR	01/08/2007	RAO	04/08/2009		A2	Oil
2-0016486	MILLBURY	100 WORCESTER PROVIDENCE TPKE	XTRA MART	TWO HR	12/01/2006	RAO	01/30/2007		A1	Oil
2-0016465	MILLBURY	100 WORCESTER PROVIDENCE TPKE	XTRA MART GAS STATION	TWO HR	11/11/2006	RAO	01/10/2007		A1	Oil
2-0016381	MILLBURY	70 WORCESTER PROVIDENCE TPKE	SHOPPES AT BLACKSTONE VALLEY	72 HR	08/31/2006	ROSTRM	09/14/2020	PHASE V		Hazardous Material
2-0016345	MILLBURY	100 PROVIDENCE WORCESTER TPKE	XTRA MART	TWO HR	08/07/2006	RAO	10/12/2006		A1	Oil
2-0016274	MILLBURY	18 MCCRACKEN RD	LYNCH ASPHALT PLANT	TWO HR	06/10/2006	RAO	06/08/2007		A2	
2-0016146	MILLBURY	267 WEST MAIN ST	HANSON RESIDENTIAL RELEASE	72 HR	03/11/2006	RAO	03/16/2007		A2	Oil
2-0016078	MILLBURY	ROW LANE-POLE 2	MA ELECTRIC TRANSFORMER RELEASE	TWO HR	01/18/2006	RAO	03/16/2006		A2	
2-0015935	MILLBURY	58 ELMWOOD ST	SHAW ELEMENTARY SCHOOL	TWO HR	10/11/2005	RAO	07/13/2006		A2	Oil
2-0015932	MILLBURY	47 MAPLE ST	MAPLE AVE UST RELEASE	72 HR	10/07/2005	RAO	05/15/2006		A2	
2-0015928	MILLBURY	18 HOWE AVE	FORMER BALLARD MOTORS	120 DY	10/05/2005	RAO	12/05/2005		A2	Oil and Hazardous Material
2-0015921	MILLBURY	206 WEST MAIN ST	HARRIS OIL CO	72 HR	10/03/2005	TIER 2	02/28/2020			Oil

Millbury DEP Waste Release Sites										
Release Tracking Number	City/Town	Release Address	Site Name Location Aid	Reporting Category	Notification Date	Compliance Status	Date	Phase	RAO Class	Chemical Type
2-0015886	MILLBURY	331 SOUTHWEST CUTOFF MILLBURY	WHEELABRATOR MILLBURY INC	72 HR	09/06/2005	PSNC	06/07/2018	PHASE V	PN	Hazardous Material
2-0015807	MILLBURY	100 WORCESTER TPKE	XTRA MART	TWO HR	07/05/2005	RAO	08/31/2005		A1	Oil
2-0015785	MILLBURY	GREENWOOD ST TO MCCrackEN	11 MCCrackEN ROAD	TWO HR	06/17/2005	RAO	08/16/2005		A2	Oil
2-0015781	MILLBURY	345 WEST MAIN ST	DRIVEWAYS CORP	TWO HR	06/13/2005	RAO	06/29/2006		A2	
2-0015710	MILLBURY	MA TPKE	MA TURNPIKE AUTHORITY	TWO HR	04/25/2005	RAO	06/27/2005		A2	Oil
2-0015679	MILLBURY	1521 GRAFTON ST	1521 GRAFTON TRUST	120 DY	04/04/2005	RAO	08/01/2005		B1	Oil
2-0015593	MILLBURY	100 WORCESTER PROVIDENCE TPKE	DRAKE PETROLEUM CO, INC-XTRA MART	TWO HR	02/05/2005	RAO	06/06/2005		A1	Oil
2-0015426	MILLBURY	RTE 90 EXIT 11	SONS TRANSPORTATION	TWO HR	10/05/2004	RAO	12/10/2004		A2	Oil
2-0015347	MILLBURY	MA TPKE EASTBOUND AT EXIT 11	DL HALEY & SONS	TWO HR	07/30/2004	TIER1D	07/07/2008			Oil
2-0015317	MILLBURY	1 PROVIDENCE RD	GORETTIS SUPERMARKET	TWO HR	07/02/2004	RAO	08/24/2004		A1	
2-0015295	MILLBURY	100 WORCESTER PROVIDENCE HWY	MILLBURY XTRA FUELS	TWO HR	06/07/2004	RAO	08/13/2004		A1	
2-0015286	MILLBURY	19 BEACH ST	RESIDENCE	TWO HR	06/10/2004	RAO	10/07/2004		A1	
2-0015180	MILLBURY	10 HOWE AVE	FORMER BARIL OIL	120 DY	03/24/2004	RAO	07/22/2004		A2	Oil and Hazardous Material
2-0015150	MILLBURY	BRG 44 NORTH-ROUTE 146	HISTORIC RIVER SEDIMENTS	72 HR	03/05/2004	RTN CLOSED	01/03/2005	PHASE IV		Hazardous Material
2-0015074	MILLBURY	MA TPKE EASTBOUND RT 90	RYDER INTERGRATED LOGISTICS	TWO HR	01/13/2004	RAO	05/25/2005	PHASE II	A2	Oil
2-0014968	MILLBURY	8 SOUTH MAIN ST	FAITH REALTY TRUST	120 DY	10/16/2003	RAO	04/20/2004		A2	Oil
2-0014895	MILLBURY	175 NORTH MAIN ST	N MAIN ST POLE 39-3	TWO HR	08/28/2003	RAO	10/24/2003		A1	
2-0014867	MILLBURY	9 JOHN ST	HEHIR RESIDENCE	72 HR	08/05/2003	RAO	02/23/2007			Oil
2-0014840	MILLBURY	50 NORTH MAIN ST	MILLBURY CREDIT UNION	TWO HR	07/16/2003	RAO	09/15/2003		A1	
2-0014772	MILLBURY	9 JOHN ST	HEHIR RESIDENCE	TWO HR	05/20/2003	RAO	02/23/2007	PHASE II	A2	Oil
2-0014763	MILLBURY	WEST MAIN ST	NEAR RT 192 AND ROUND POND	120 DY	05/15/2003	URAM	05/23/2003			Oil
2-0014628	MILLBURY	335 SOUTHWEST CUTOFF RD	WASTE MANAGEMENT INC ROADWAY RELEASE	TWO HR	01/15/2003	RAO	03/12/2003		A1	Oil
2-0014543	MILLBURY	50 RTE 20	UPPER BLACKSTONE WATER POLLUTION AD	TWO HR	11/12/2002	RAO	11/18/2003		A2	Oil
2-0014413	MILLBURY	86 MCCrackEN RD	MILLBURY TOWN OF TAX SEIZURE	72 HR	07/31/2002	RAO	08/12/2005	PHASE III	A2	Oil and Hazardous Material
2-0014408	MILLBURY	50 RTE 20	UBWPAD	120 DY	07/23/2002	URAM	05/06/2018			Oil and Hazardous Material
2-0014362	MILLBURY	50 GRAFTON ST	MILLBURY SUBSTATION NO 2	120 DY	06/18/2002	RAO	12/18/2002		B1	Hazardous Material
2-0014312	MILLBURY	33 PROVIDENCE ST	SUBSTATION	72 HR	05/16/2002	RTN CLOSED	01/03/2003			Oil
2-0014261	MILLBURY	WATER ST AND RIVER ST	BEHIND FELTERS CORP	120 DY	04/08/2002	URAM	04/16/2002			Oil and Hazardous Material
2-0014166	MILLBURY	33 PROVIDENCE RD	MECO MILLBURY NO 1 SUBSTATION	120 DY	01/18/2002	RAO	01/08/2008		A3	Oil and Hazardous Material
2-0014063	MILLBURY	65 CANAL ST	WINDLE INDUSTRIES	120 DY	10/23/2001	RAO	08/23/2002			Oil and Hazardous Material
2-0014039	MILLBURY	50 GRAFTON ST	MILLBURY SUBSTATION 4	120 DY	10/05/2001	RAO	10/18/2002		B1	Hazardous Material

Millbury DEP Waste Release Sites										
Release Tracking Number	City/Town	Release Address	Site Name Location Aid	Reporting Category	Notification Date	Compliance Status	Date	Phase	RAO Class	Chemical Type
2-0014008	MILLBURY	MASSACHUSETTS TPKE	MILE MARKER 95 EAST	TWO HR	09/22/2001	RAO	11/27/2001		A1	
2-0013935	MILLBURY	65 CANAL ST	WINDLE MILL	72 HR	08/03/2001	RTN CLOSED	11/01/2001			Oil
2-0013768	MILLBURY	65 CANAL ST	WINDLE INDUSTRIES	TWO HR	04/06/2001	RAO	08/03/2001		B1	Hazardous Material
2-0013765	MILLBURY	123 ELM ST	ASA WATERS MANSION	72 HR	01/31/2001	TMPS	03/18/2020	PHASE V	TF	Oil
2-0013762	MILLBURY	248 WEST MAIN ST	HARRIS OIL CO INC	TWO HR	03/29/2001	RAO	04/22/2003	PHASE II	A2	Oil and Hazardous Material
2-0013704	MILLBURY	RTE 20 AND RTE 146	RTE 20 AND RTE 146 RAMP	TWO HR	02/21/2001	RAO	02/14/2002		A2	Oil
2-0013695	MILLBURY	331 SOUTHWEST CUTOFF RD	WHEELABRATOR MILLBURY INC	TWO HR	02/17/2001	RAO	10/05/2001		A1	Hazardous Material
2-0013614	MILLBURY	50 GRAFTON ST	MECO SUBSTA NO 2	120 DY	12/13/2000	RAO	12/15/2003	PHASE II	A2	Oil and Hazardous Material
2-0013527	MILLBURY	50 SOUTHWEST CUTOFF	UPPER BLACKSTONE WATER TREATMENT FACILIT	TWO HR	10/19/2000	RAO	09/05/2001		A1	Hazardous Material
2-0013508	MILLBURY	RTE 146	MHD BRIDGE NO 44 NORTH ABUTMENT	120 DY	10/05/2000	RAO	01/03/2005	PHASE IV	C1	Oil and Hazardous Material
2-0013489	MILLBURY	RTE 146 AT MCCracken RD	MA HWY DEPT	TWO HR	09/22/2000	RAO	09/27/2001		A2	Oil
2-0013365	MILLBURY	33 PROVIDENCE RD	MILLBURY SUBSTATION NO 1	TWO HR	07/12/2000	RAO	09/07/2000		A1	Hazardous Material
2-0013357	MILLBURY	320-321 NORTH MAIN ST	CHABOT MOTORS FMR	TWO HR	07/07/2000	RTN CLOSED	09/06/2000			Oil
2-0012971	MILLBURY	49 STOWE RD	TRANSFORMER SPILL POLE 26	TWO HR	10/09/1999	RAO	12/07/1999		A2	
2-0012914	MILLBURY	MA TPKE	MM 95 MA TNPk WESTBOUND	TWO HR	08/26/1999	RAO	11/01/1999		A1	Oil
2-0012876	MILLBURY	56 CANAL ST	LEMIEUXS GARAGE	72 HR	07/23/1999	PSNC	05/14/2014	PHASE III	PN	Oil
2-0012872	MILLBURY	RTE 146	RTE 146 S AT RTE 122A	TWO HR	07/20/1999	RAO	07/20/2000		A2	Oil
2-0012840	MILLBURY	RTE 146	RTE 146 AT MCCracken RD	120 DY	06/23/1999	RTN CLOSED	12/24/1999			Oil and Hazardous Material
2-0012829	MILLBURY	331 SOUTHWEST CUTOFF RD	WHEELABRATOR MILLBURY	TWO HR	06/16/1999	RAO	08/13/1999		A1	Oil
2-0012770	MILLBURY	442 SOUTHWEST CUTOFF	NO LOCATION AID	TWO HR	04/29/1999	RAO	08/16/1999		A1	
2-0012664	MILLBURY	60 MAIN ST	UNIVERSAL AUTO SERVICE	72 HR	02/26/1999	RTN CLOSED	07/14/2001			Oil
2-0012649	MILLBURY	RTE 146	MHD FACILITY	TWO HR	02/05/1999	RAO	06/03/1999		A1	
2-0012628	MILLBURY	10 WEST AND CHERRY ST	FALLEN TRUCKING CO	TWO HR	01/26/1999	RAO	04/16/1999		A1	Oil
2-0012624	MILLBURY	49 SYCAMORE ST	ROADWAY RELEASE	TWO HR	01/23/1999	RAO	03/31/1999		A1	Oil
2-0012623	MILLBURY	MA TPKE E	EXIT 11	TWO HR	01/22/1999	RAO	03/23/1999		A1	Oil
2-0012565	MILLBURY	RTE 146	RTE 146 AT MCCracken RD	120 DY	12/21/1998	RTN CLOSED	12/24/1999			Hazardous Material
2-0012564	MILLBURY	RTE 146	RTE 146 AT MCCracken RD	120 DY	12/21/1998	RAO	01/31/2003	PHASE III	A2	Oil and Hazardous Material
2-0012481	MILLBURY	NORTH MAIN ST	MILLBURY DEPOT FACITY 37	72 HR	11/03/1998	RAO	03/27/2000	PHASE II	A2	Oil
2-0012421	MILLBURY	NORTH MAIN ST AND NEW PROVIDENCE	SHELL STATION FORMER	72 HR	09/25/1998	RAO	11/23/1998		A2	Oil
2-0012355	MILLBURY	RTE 146 AT 122A	ROUTE 146 CONSTRUCTION	TWO HR	08/20/1998	RAO	10/16/1998		A2	
2-0012336	MILLBURY	124 NORTH MAIN ST	C AND S LUMBER	TWO HR	08/07/1998	RAO	10/13/1998	PHASE V	A2	Oil
2-0012306	MILLBURY	33 PROVIDENCE ST	SUBSTATION	TWO HR	07/17/1998	RAO	11/13/1998		A2	Oil
2-0012216	MILLBURY	206 WEST MAIN ST	HARRIS OIL CO	120 DY	04/10/1998	TIER 2	02/28/2020			Oil

Millbury DEP Waste Release Sites										
Release Tracking Number	City/Town	Release Address	Site Name Location Aid	Reporting Category	Notification Date	Compliance Status	Date	Phase	RAO Class	Chemical Type
2-0012187	MILLBURY	OAK POND AVE	PUMPING STATION	TWO HR	04/17/1998	RAO	06/17/1998		A1	Hazardous Material
2-0012109	MILLBURY	RTE 146 AND 122A	LENNYS LIQUOR	TWO HR	02/20/1998	RAO	02/20/1998		A1	Oil
2-0012094	MILLBURY	214 RIVERLIN ST	MARTHA DEERING ESTATE	120 DY	01/06/1998	RAO	10/26/1999		B2	Hazardous Material
2-0011977	MILLBURY	INT RTE 146 AND RTE 20	ROADWAY RELEASE	120 DY	11/14/1997	URAM	11/21/1997			Hazardous Material
2-0011881	MILLBURY	206 WEST MAIN ST	HARRIS OIL	120 DY	07/21/1997	TIER 2	02/28/2020	PHASE II		Oil and Hazardous Material
2-0011770	MILLBURY	321 NORTH MAIN ST	CHABOT MOTORS FMR	TWO HR	06/19/1997	RAO	10/08/1997		A1	
2-0011723	MILLBURY	114 NORTH MAIN ST	RESIDENCE	72 HR	05/14/1997	RAO	09/05/1997		A2	Oil
2-0011587	MILLBURY	141 PARK HILL RD	ROADWAY RELEASE	TWO HR	01/29/1997	RAO	04/04/1997		A1	Oil
2-0011563	MILLBURY	100 RIVERLIN ST	BUCK BROS DIV	TWO HR	01/10/1997	RAO	12/31/1998	PHASE II	A3	Oil
2-0011562	MILLBURY	SOUTHWEST CUTOFF	S OF 190	120 DY	12/18/1996	RAO	01/22/1999	PHASE II	A2	Oil
2-0011547	MILLBURY	WORCESTER PROVIDENCE TPKE	BEFORE BEST DONUTS	TWO HR	12/30/1996	RAO	02/28/1997		A2	Oil
2-0011540	MILLBURY	54 CANAL ST	JEMS OF NEW ENGLAND	72 HR	12/20/1996	RTN CLOSED	10/29/1997			Oil
2-0011535	MILLBURY	MA TPKE	BTWN MI MARKER 93 94	TWO HR	12/19/1996	RAO	03/16/1998		A1	Oil
2-0011476	MILLBURY	4 MILDRED AVE	AT GLEN AVE	72 HR	11/06/1996	RAO	03/25/1997		A1	Oil
2-0011468	MILLBURY	22 WEST ST	FELTERS FACILITY FMR	TWO HR	10/29/1996	RAO	04/01/2008	PHASE II	C1	Oil
2-0011460	MILLBURY	CROSS ST	MILLBURY SUBSTA 3	TWO HR	10/25/1996	RAO	11/13/1996		A1	
2-0011459	MILLBURY	33 PROVIDENCE ST	MA ELECTRIC SUBSTA	TWO HR	10/25/1996	RAO	10/30/1997		A3	Oil
2-0011454	MILLBURY	PROVIDENCE RD	MILLBURY SUBSTA 1	TWO HR	10/24/1996	RAO	12/23/1996		A2	Oil
2-0011343	MILLBURY	SOUTHWEST CUTOFF	PROPOSED INT 10A	TWO HR	08/09/1996	RAO	07/28/1997		A3	Oil
2-0011270	MILLBURY	379 GREENWOOD ST	GREENWOOD PROFESSIONAL PARK	120 DY	01/31/1996	RAO	04/10/2003	PHASE II	A2	Oil
2-0011184	MILLBURY	NORTH MAIN ST	SHELL STA	120 DY	03/26/1996	RAO	08/14/1997		A2	Hazardous Material
2-0011167	MILLBURY	WEST MAIN ST	MHD FACILITY 38	120 DY	03/18/1996	RAO	11/28/1996		B1	Hazardous Material
2-0011166	MILLBURY	WORCESTER PROVIDENCE TPKE	MHD FACILITY 37	120 DY	03/18/1996	RAO	12/16/1996		B1	Hazardous Material
2-0011111	MILLBURY	PROVIDENCE TPKE	STAR GAS FACILITY	TWO HR	02/15/1996	RAO	12/22/2003	PHASE V	B1	Hazardous Material
2-0010991	MILLBURY	SOUTHWEST CUTOFF	RT 146 AT RT 20 INTERCHANGE	TWO HR	11/07/1995	RAO	01/09/1996		A2	Oil
2-0010852	MILLBURY	272 WEST MAIN ST	ADJACENT TO STONE WALL	72 HR	07/14/1995	RAO	07/15/1996		A1	Oil
2-0010829	MILLBURY	50 HOWE AVE	INT WITH LINCOLN AVE	120 DY	06/16/1995	RAO	04/11/1997		A3	Oil
2-0010707	MILLBURY	54 CANAL ST	JEMS OF NEW ENGLAND	72 HR	02/16/1995	RTN CLOSED	08/04/1995			
2-0010608	MILLBURY	100 RIVERLIN ST	BUCK BROS DIV	120 DY	12/13/1994	RAO	12/13/1996	PHASE II	A3	Hazardous Material
2-0010495	MILLBURY	MASSACHUSETTS TPKE	MI MARKER 93.2E	TWO HR	09/27/1994	RAO	01/25/1995		A2	Oil
2-0010243	MILLBURY	331 SOUTHWEST CUTOFF RD	INCINERATOR	TWO HR	03/29/1994	PSNC	06/07/2018			Oil
2-0010234	MILLBURY	206 WEST MAIN ST	PARKING LOT AREA	TWO HR	03/22/1994	RAO	05/05/1994		A1	Oil
2-0010024	MILLBURY	65 CANAL ST	WINDLE INDUSTRIES	72 HR	10/01/1993	RAO	08/23/2002	PHASE II	A3	Oil
2-0001065	MILLBURY	1531 GRAFTON ST	SERVICE STATION FMR	NONE	08/19/1993	RAO	12/20/2007	PHASE V	A2	Oil
2-0001052	MILLBURY	60 MAIN ST	TEXACO STATION	NONE	07/15/1993	RAO	05/31/2002	PHASE II	A2	
2-0001018	MILLBURY	54 CANAL ST	JEMS OF NEW ENGLAND	NONE	07/15/1993	PSNC	05/01/2014		PN	Oil
2-0000999	MILLBURY	320-321 NORTH MAIN ST	GAS STA FMR CHABOT MOTOR	NONE	07/15/1993	RTN CLOSED	09/06/2000			Oil
2-0000990	MILLBURY	320-321 NORTH MAIN ST	CHABOT MOTORS INC	NONE	07/15/1993	RAO	12/27/2004	PHASE IV	TN	Oil
2-0000958	MILLBURY	PROVIDENCE RD	MILLBURY SUBSTA 1	NONE	12/10/1992	RAO	08/05/1997	PHASE II	A3	Oil

Millbury DEP Waste Release Sites										
Release Tracking Number	City/Town	Release Address	Site Name Location Aid	Reporting Category	Notification Date	Compliance Status	Date	Phase	RAO Class	Chemical Type
2-0000891	MILLBURY	49 RAILROAD AVE	NENSCO	NONE	03/17/1992	RAO	07/28/1998		A2	
2-0000851	MILLBURY	NORTH MAIN ST	SHELL STATION	NONE	08/07/1991	RAO	08/11/1997		A2	
2-0000566	MILLBURY	22 WEST ST	FELTERS CO	TWO HR	04/15/1989	RAO	04/01/2008		PA	Oil
2-0000376	MILLBURY	32 HOWE AVE	UNITED COUNTY INDUSTRIES	NONE	10/15/1988	RAO	12/24/2002	PHASE III	B1	Oil and Hazardous Material
2-0000355	MILLBURY	ELMWOOD ST	ELMWOOD ST PROPERTY	NONE	10/15/1988	DEPNDS	09/03/1993			
2-0000109	MILLBURY	2 RHODES ST	JEFFCO FIBERS INC	NONE	01/15/1987	DEPNFA	09/03/1993			
2-0000108	MILLBURY	206 MAIN ST	HARRIS OIL	NONE	01/15/1987	DEPNFA	09/03/1993			

Appendix E – ADA ACCESS SELF-EVALUATION

Appendix E: ADA Access Self-Evaluation

Town of Millbury 2020 Open Space and Recreation Plan Update

July 2020

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Exhibits:

- Exhibit A: Building Inspector Job Description
- Exhibit B: Town of Millbury Grievance Procedure
- Exhibit C: Example Job Posting

Administrative Requirements

Designation of an ADA Coordinator

Paul Stringham, the Town of Millbury's Building Inspector and Zoning Enforcement Officer, serves as the Town's ADA Coordinator. Please see Exhibit A: *Building Inspector Job Description*.

The Town of Millbury also has a Commission on Disability. The Commission hold monthly meetings or as needed. Additional information on the Commission can be found on the Town's website at <https://www.millbury-ma.org/commission-disability>.

Grievance Procedures

Please see Exhibit B: *Town of Millbury Grievance Procedure*

Public Notification Requirements

The Town of Millbury includes notice of non-discrimination on the basis of disability for all applicable recruitment materials and publications. All materials and publications are also available in formats for the visual and learning impaired. Please see Exhibit C: *Example Job Posting*

Participation of Individuals with Disabilities or Organizations Representing the Disabled Community

The Self-Evaluation was completed with the assistance of Michael Kennedy, Chairman of the Millbury Commission on Disability.

Employment Practices

The following is a statement regarding the Town's employment practices from the current ADA Coordinator, Paul Stringham.

The Town of Millbury's employment policies are in compliance with the Americans with Disabilities Act standards and laws.

Paul Stringham
ADA Coordinator
Building Inspector & Zoning Enforcement Officer

Open Space Inventory and Transition Plan

These assessments constitute updates to the Town of Millbury Accessibility Plan in relation to the Town of Millbury's parks, playgrounds and conservation areas. They were completed in May and June of 2019 and July of 2020 by Department of Planning and Development intern Emma Snellings, Assistant Planner Conor McCormack, and Commission on Disability Chairman and physically disabled resident, Michael Kennedy. Site visits were conducted for the purpose of evaluating and updating information in the Town of Millbury Accessibility Plan. Changes were made as necessary.

Butler Farm

Municipal open space consisting of office/meeting space, a community garden, trails, 2 picnic tables, and a fenced dog park, the Bark Park, including 5 benches, a pavilion, agility equipment, 5 mutt-mitt stations, and a dog wash. A paved parking areas exist with two van-accessible parking space, although spaces are not striped. An accessible route of travel existed from the van-accessible parking space to the pavilion, however it was washed away by successive large storm events. No accessible routes of travel exist to the house, community garden, and trails.

General Description of Obstacle Which Limits Mobility or Access	Type of Action to be Taken	Priority	Feasibility
1. No striping on exiting van-accessible spaces	Provide related striping and accessible signage.	Highest priority.	Can be undertaken by DPW.
2. No accessible route of travel exists to the office space, community garden, dog park camping sites, trails and picnic tables.	Construct a 48" wide w/36" clear width accessible pathway to all facilities.	Highest priority.	Minor modification which requires skilled or specialized work.
3. No accessible picnic tables.	Install one picnic table which provides a clear space under the table top not less than 30" wide and 19" deep and not less than 27" clearance from the ground to the underside of the table.	Highest priority.	Can be undertaken by DPW.



Figure 1 - Butler Farm



Figure 2 - Butler Farm



Figure 3 - Butler Farm



Figure 4 - Butler Farm



Figure 5 - Butler Farm

Dorothy Pond Recreational Area

Municipal open space consisting of the Dorothy Pond dam, trails and informal fishing areas. Two informal parking areas provide parking for at least 10 cars. No signage or markings provide an on-site accessible space. No accessible routes of travel exist to the trails and informal fishing areas.

General Description of Obstacle Which Limits Mobility or Access	Type of Action to be Taken	Priority	Feasibility
1. No on- or off-street designated accessible parking space, line striping or signage.	Designate on- or off-street accessible space. Provide related striping and accessible signage.	Highest priority.	Can be undertaken by DPW.
2. No accessible route of travel exists to the picnic tables, informal fishing areas, or trails.	Construct a 48" wide w/36" clear width accessible pathway to a picnic table, informal fishing area, and trail.	Highest priority.	Minor modification which requires skilled or specialized work.



Figure 6 - Dorothy Pond Recreational Area



Figure 7 - Dorothy Pond Recreational Area



Figure 8 - Dorothy Pond Recreational Area



Figure 9 - Dorothy Pond Recreational Area



Figure 10 - Dorothy Pond Recreational Area

East Millbury Park

Neighborhood playground and park consisting of 2 baseball fields, 2 basketball courts (2 new nylon nets needed), 8 swings (5 swings need repair/replacement), 2 spring rider play components, and a bench. A large parking area exists but there is no designated accessible parking. No accessible routes of travel exist to the ball fields, basketball courts or play components. The bleacher does not have railings. Future playground equipment replacement or expansion should comply with the guidance provided in the Town of Millbury Accessibility Plan.

General Description of Obstacle Which Limits Mobility or Access	Type of Action to be Taken	Priority	Feasibility
1. No designated accessible parking space, line striping or signage.	Designate two 8' wide accessible passenger vehicle parking space and one 8' wide van accessible parking space, separated by 8' wide accessible access aisle. Provide related striping and accessible signage.	Highest priority.	Can be undertaken by DPW.
2. No accessible route of travel to ball fields, basketball court and play components.	Construct a 48" wide w/36" clear width accessible pathway to all ball fields, play components and the basketball court.	Highest priority.	Minor modification which requires skilled or specialized work.
3. Lack of railings on bleachers.	Install accessible compliant railings.	Highest priority.	Minor modification which requires skilled or specialized work.
4. No accessible swings exist in the play area.	Based on number of swings, add one accessible swing seat.	Highest priority.	Can be undertaken by DPW.
5. No accessible picnic tables.	Provide at least one picnic table which provides a clear space under the table top not less than 30" wide and 19" deep and not less than 27" clearance from the ground to underside of table.	Highest priority.	Can be undertaken by DPW.



Figure 11 - East Millbury Park



Figure 12 - East Millbury Park



Figure 13 - East Millbury Park



Figure 14 - East Millbury Park



Figure 15 - East Millbury Park

Greenwood Street Park

Neighborhood playground and park consisting of a baseball field, a soccer field, a basketball court (2 new nylon nets needed), 4 swings (1 swing needs repair/replacement), 2 spring rider play devices, and 2 picnic tables. No designated accessible parking exists in the “upper” parking lot. The “lower” lot has two non-compliant striped accessible spaces. An accessible portable toilet is located in the “upper” parking lot as of May 2020. Installation of a new accessible sidewalk on Greenwood Street provides the only accessible route from the “upper” to “lower” parking lots. No accessible routes of travel exist to the ball fields, play components or basketball court from either parking lot. None of the bleachers have railings. Future playground equipment replacement or expansion should comply with the guidance provided in the [Town of Millbury Accessibility Plan](#).

General Description of Obstacle Which Limits Mobility or Access	Type of Action to be Taken	Priority	Feasibility
1. No designated accessible parking space, line striping or signage in the upper parking lot and non-compliant parking due to lack of signage and sufficient access aisle width in lower parking lot.	In both upper and lower parking lots, designate one 8’ wide accessible passenger vehicle parking space and one 8’ wide van accessible parking space, separated by an 8’ wide accessible access aisle. Provide related striping and accessible signage.	Highest priority.	Can be undertaken by DPW.
2. No accessible route of travel exists to the ball fields, play components and basketball court.	Construct a 48” wide w/36” clear width accessible pathway to both ball fields, play components and the basketball court.	Highest priority.	Minor modification which requires skilled or specialized work.
3. Lack of railings on bleachers.	Install accessible compliant railings.	Highest priority.	Minor modification which requires skilled or specialized work.
4. No accessible picnic tables.	Provide at least one picnic table which provides a clear space under the table top not less than 30” wide and 19” deep and not less than 27” clearance from the ground to the underside of the table.	Highest priority.	Can be undertaken by DPW.
5. No accessible play features.	Install accessible splay features.	Highest Priority	Major modifications which require skilled or specialized work.



Figure 16 - Greenwood Street Park



Figure 17 - Greenwood Street Park



Figure 18 - Greenwood Street Park



Figure 19 - Greenwood Street Park

Jacques Park

A rural “neighborhood” park with minimal improvements and in an overall “poor” condition. The park consists of a baseball field, 2 bleachers and 2 spring play structures. The existing parking lot is not striped, does not have any designated accessible spaces and will need to be made compliant by creating an accessible route of travel to this facility. Access to the baseball field is an unimproved and unstable gravel surface and therefore non-compliant. No signage or striping is provided. No accessible route of travel exists to the ball field, bleachers, or play structures. Railings are not provided on the bleachers.

General Description of Obstacle Which Limits Mobility or Access	Type of Action to be Taken	Priority	Feasibility
1. No designated accessible parking space, line striping or signage.	Designate one 8' wide accessible passenger vehicle parking space and one 8' wide van accessible parking space, separated by an 8' wide accessible access aisle. Provide related striping and accessible signage.	Highest priority.	Can be undertaken by DPW.
2. No accessible route of travel exists to the ball field or play structures.	Construct a 48" wide w/36" clear width accessible pathway to the baseball field.	Highest priority.	Minor modification which requires skilled or specialized work.
3. Lack of railings on bleachers	Install accessible compliant railings.	Highest priority.	Minor modification which requires skilled or specialized work.



Figure 20 - Jacques Park



Figure 21 - Jacques Park



Figure 22 - Jacques Park



Figure 23 - Jacques Park



Figure 24 - Jacques Park

James Direnzo Park (a.k.a Dorothy Pond Tot Lot)

Neighborhood park consisting of a basketball court, 2 swings, 2 play structures, and an open field. No on-site parking exists and no signage or markings provide an on-site accessible space. Future playground equipment replacement, if it should occur, should comply with the guidance provided in the Town of Millbury Accessibility Plan.

General Description of Obstacle Which Limits Mobility or Access	Type of Action to be Taken	Priority	Feasibility
6. No on-street designated accessible parking space, line striping or signage.	Designate on- street accessible space. Provide related striping and accessible signage.	Highest priority.	Can be undertaken by DPW.
7. No accessible route of travel exists to the basketball court or play structures.	Construct a 48" wide w/36" clear width accessible pathway to the basketball court and play structures.	Highest priority.	Minor modification which requires skilled or specialized work.



Figure 25 - Dorothy Pond Tot Lot



Figure 26 - Dorothy Pond Tot Lot



Figure 27 - Dorothy Pond Tot Lot

Washington Street Park

Town-wide recreational complex consisting of a baseball field, batting cage, 2 basketball courts, play area (Woolie World) with two climbing structures, 6 swings, 2 spring rider play components, 2 bleachers, 8 non-accessible picnic tables, and a pavilion containing a concession stand and bathrooms. Three designated accessible parking spaces are provided next to the playground and basketball courts, but they are inaccessible to the baseball field, batting cage, bathrooms and concessions pavilion and there is not an accessible route of travel to these facilities. The bleachers have the required railings. None of the picnic tables provide the required knee clearance and clear width space. The counter at the concession stand is 41 ½" a.f.f. which exceeds the maximum height limit. The facility also contains 2 wholly non-compliant and inaccessible bathrooms. "Woolie World" does have accessible play components including a swing, musical play area, and ramp system to sensory panels on the 5 to 12-year play structure. An accessible route around the play area and to the spring rider play components does not exist. Future equipment replacement or expansion, if it should occur, should comply with the guidance provided in the Town of Millbury Accessibility Plan.

General Description of Obstacle Which Limits Mobility or Access	Type of Action to be Taken	Priority	Feasibility
1. No designated accessible parking space, line striping or signage in baseball parking lot.	Designate one 8' wide accessible passenger vehicle parking space and one 8' wide van accessible parking space, separated by 8' wide accessible aisle for baseball lot. Provide related striping and accessible signage.	Highest priority.	Can be undertaken by DPW.
2. No accessible route of travel exists to the ball fields, some play equipment and related facilities.	Construct a 48" wide w/36" clear width accessible pathway to all playing fields and facilities.	Highest priority.	Minor modifications which require skilled or specialized work.
3. No accessible route of travel exists around Woolie World.	Construct a 48" wide w/36" clear width accessible pathway to and around the play area. Install a stable, firm and slip-resistant as well as "impact attenuating" surface around and to play equipment. Acceptable materials include interlocking rubber matting, plastic matting, poured in place rubber surfacing and specially bonded wood fibers.	Highest priority.	Minor modifications which require skilled or specialized work.
4. Public bathrooms in pavilion are wholly non-compliant including door hardware, signage, dispensers and all toilet features. A 7" abrupt change in level surface exits to access both the men's and women's bathrooms.	Construct fully compliant men's and women's accessible bathrooms with either a ramped or on-grade level approach.	Priority.	Major modifications which require skilled or specialized work.

5.	The counter height at the concession stand is constructed at 41 1/2" a.f.f. which exceeds maximum height requirements by over 7".	Construct a counter below the dispatch window with a maximum height of 34" with a minimum of 27" knee clearance.	High priority.	Minor modifications which require skilled or specialized work.
6.	No accessible swing sets exist in the play area.	Based on number of swings existing, add one accessible swing seat.	Highest priority.	Can be undertaken by DPW.
7.	The picnic tables do not provide the required knee and clear width space.	Provide at least one picnic table which provides a clear space under the table top not less than 30" wide and 19" deep and not less than 27" clearance from the ground to the underside of the table.	Highest priority.	Can be undertaken by DPW.



Figure 28 - Washington Street Park



Figure 29 - Washington Street Park



Figure 30 - Washington Street Park



Figure 31 - Washington Street Park

Conservation Land

Town of Millbury conservation land at Brierly Pond, Stowe Meadows, and the Davidson Sanctuary, and other locations is currently unimproved, and is used informally for hiking, birding, etc. If more formalized parking is added, the town should include the appropriate number of accessible parking spaces as per CMR 521.

Job Title: Building/Zoning Inspector	Hours per week:	FLSA Status: Exempt
Reports to: Planning Economic Development Director	Department: Building/Zoning	Grade:
Created date: 8/3/2017	Revised date: 8/29/2017	Approved date: 9/19/2017
Created by:	Revised by:	Approved by:

TOWN OF MILLBURY BUILDING/ZONING INSPECTOR

Statement of Duties:

Professional, technical and inspection work related to the enforcement and interpretation of the Massachusetts Building Code, the Town Zoning By-law and other applicable codes and provisions of the Massachusetts General Laws relating to building construction and design; other related work, as required.

Supervision:

Works under the direct supervision of the Planning & Economic Development Director, in accordance with applicable provisions of the Massachusetts General Laws and Town bylaws. Performs varied, responsible duties requiring comprehensive knowledge of Building/Zoning laws and regulations. Must exercise judgment and initiative in carrying out an inspection or providing information.

Supervisory Responsibilities

Supervises Assistant Building Inspectors, part-time inspectors, and administrative staff.

Job Environment:

Inspections work is performed under varying conditions, with frequent exposure to weather conditions and the hazards associated with construction sites. Required to respond to emergencies, attend night meetings and work on weekends, as needed.

Administrative work is generally performed under typical office conditions. Operates a computer and general office equipment, such as a scanner, printer, calculator, copier, facsimile machine and telephone.

Makes regular contact with municipal employees in all departments; makes regular contact with the general public; makes frequent contact with builders, contractors and homeowners. Contact is by telephone, in person and by correspondence and personal meetings.

Has access to confidential information, including pending conservation-related law suits, criminal investigations and other sensitive information.

Errors in either technical application of recognized conservation inspection procedures or administration could result in inadequate conditions of sanitation, monetary loss, reduced levels of service, confusion and delay on the provision of services and could have legal and/or financial repercussions for the town.

Essential Functions:

The essential functions or duties listed below are intended only as illustrations of the various types of work that may be performed. The omission of specific statements of duties does not exclude them from the position if the work is similar, related, or a logical assignment to the position.

- Enforces state and local Building/Zoning laws and regulations.
- Responsible for interpreting and enforcing the Massachusetts Building Code and provisions of the Massachusetts General Laws and the Town Zoning By-law
- Conducts inspections of all buildings under construction or renovation; investigates complaints and responds to violations; issues enforcement orders for violations.
- ★ • ~~Enforces handicapped accessibility regulations.~~
- Reviews applications and plans and issues building permits; responds to questions and provides assistance to applicants.
- Conducts annual inspections of public buildings, churches and liquor establishments.
- Assists the public with interpretation of the State Building Code, Town Zoning By-law and other pertinent rules and regulations.
- Provides information and assistance to the Town Manager, Board of Selectmen, Zoning Board of Appeals and other departments.
- Assists in the preparation of official documents, and correspondence to ensure compliance with local and state laws and policies; maintains detailed and accurate files.
- Receive, route and keep track of citizen service requests and complaints.
- Processes client requests including various departmental applications, registrations and bill payments.
- Prepares and submits written reports as required.
- Performs other similar or related duties, as required or as situation dictates.

Recommended Minimum Qualifications:**Education and Experience**

Bachelor's degree in management, engineering or a field related to building construction or design; five years supervisory experience of inspection code enforcement of residential and commercial building construction; or an equivalent combination of education and experience.

Special Requirements:

Massachusetts State Building Commissioner Certification required. M.G.L 143.

Valid Massachusetts driver's license

Knowledge, Ability and Skill**Knowledge:**

- Thorough and expert knowledge of the federal, state and local laws, rules and regulations pertaining to residential and commercial building construction and design including the Massachusetts Building Code
- Thorough knowledge of the materials, methods and equipment used in building

Town of Millbury Grievance Procedure

The following grievance procedure is established to meet the requirements of the Americans with Disabilities Act. It may be used by anyone who wishes to file a complaint alleging discrimination on the basis of disability in employment practices and policies or the provision of services, activities, programs and benefits by the Town of Millbury.

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

The complaint should be submitted by the grievant and/or his/her designee as soon as possible but no later than 60 calendar days after the alleged violation to the Millbury ADA Coordinator, Municipal Office Building – 127 Elm Street, Millbury, MA 01527.

Within fifteen calendar after receipt of the complaint, the ADA Coordinator will meet with the complainant to discuss the complaint and possible resolutions. Within 15 calendar days after the meeting, the ADA Coordinator will respond in writing, and where appropriate in a format accessible to the complainant such as audiotape. The response will explain the position of the Town of Millbury and offer options for substantive resolution of the complaint.

If the response by the ADA Coordinator does not satisfactorily resolve the issue, the complainant and/or his/her designee may appeal the decision of the ADA Coordinator within 15 days after receipt of the response to the Board of Selectmen or their designee.

Within 15 calendar days after receipt of the appeal, the Millbury Board of Selectmen or their designee will meet with the complainant to discuss the complaint and possible resolutions. Within 15 calendar days after the meeting the Board of Selectmen or their designee will respond in writing, and where appropriate in a format accessible to the complainant such as audiotape, with a final resolution of the complaint.

All complaints received by the ADA Coordinator, appeals to the Millbury Board of Selectmen or their designee and responses from the ADA Coordinator and the Millbury Board of Selectmen or their designee will be kept by the Town of Millbury for at least three years.

Job Title: Assistant Town Planner	Hours per week: Full-time	FLSA Status: Exempt
Reports to: Director of Planning & Development	Department: Planning & Development	Grade:
Created date: 2/12/2020	Revised date: 2/14/2020	Approved date: 3/12/2020
Created by: HR	Revised by: HR	Approved by: HR

TOWN OF MILLBURY ASSISTANT TOWN PLANNER

Purpose of Position:

The Assistant Planner works under the direction of the Director of Planning & Development for the purpose of assisting with the planning, zoning and administrative responsibilities of the Department, providing technical assistance to municipal boards and committees as assigned, and assisting in the development of short and long-range plans for the municipality.

Essential Duties and Responsibilities:

NOTE: The essential functions or duties listed below are illustrations or examples of the various types of work and responsibilities that may be performed and required. The omission of specific statements or duties does not exclude them from the position if the work and responsibilities are related to the position. Other duties may be required and assigned.

- Provide professional and administrative staff support to municipal boards, commissions and committees as assigned, including the Energy Advisory Committee and Open Space Committee.
- Make presentations to boards, commissions, committees, civic groups and the general public on land use, energy efficiency, and other planning initiatives as assigned.
- Assist the Director of Planning & Development in the development and preparation of grant applications for state and federal grant-in-aid assistance in the areas of planning, conservation, recreation, energy-efficiency, community and economic development, and public infrastructure/facilities improvement.
- Oversee implementation of the Town's Energy Reduction Plan and compliance with the requirements of the Green Communities Program.
- Assist the Director of Planning & Development in the development and implementation of land use, open space, economic development, energy reduction, housing, transportation, facilities, and solid waste plans and policies, regulations, bylaws, and warrant articles that advance plan recommendations.
- Assist with data gathering and analysis in support of department projects, reports and grant proposals.
- Act as a liaison between municipal staff, boards, committees, and the public on planning initiatives.
- Oversees development of comprehensive plans, standards for site reviews, growth management policy, and zoning recommendations.
- Reviews subdivisions, site plans, comprehensive permits, cluster, planned development, aquifer protection districts, and other applications, plans and technical data for compliance

with Subdivision Control Law, the Zoning Act, scenic road laws, local by-laws and regulations, and other applicable state and local laws and regulations;

- Advises the Board on reviews of subdivisions, site plans, comprehensive permits, cluster, planned development, aquifer protection districts, and other applications, plans and technical data.
- Performs site inspections to insure compliance with decisions and regulations,
- Make recommendations in the evaluation of applications, plans and proposals;
- Attends all meetings of the Planning Board and associated committees, as needed;
- Assists in the preparation of the annual operations budget for the Planning Department.
- Drafts and posts agendas and minutes of Board meetings
- Recommends, designs and implements and evaluates short and long term projects, consistent with land use planning objectives.
- Undertakes general planning, including research, and analysis;
- Reviews and revises the comprehensive plans as directed by the Director;
- Participates in regional planning activities and initiatives;
- Seek grant sources and prepares and drafts grant applications on behalf of the Town as approved by the Director;
- Communicates clearly and with a consistent message to community developers, business leaders, and citizens.
- Ensures that environmental concerns are properly addressed.
- Responsible for remaining current with applicable grants programs
- In the absence of the Director, manages professional and support staff;
- Assist with providing content and maintaining relevant pages of the Town of Millbury website.
- Participate in regional planning activities and initiatives.
- Remain technically proficient and abreast of current trends in planning, energy efficiency, infrastructure, law, and funding opportunities that may help Millbury achieve its goals.
- Ensure compliance with applicable State procurement laws.
- Perform site inspections to insure compliance with decisions and regulations.
- Perform other related duties as assigned

Qualifications

Bachelor's Degree in Planning, Economics, Business Administration or related field; five years of progressively responsible experience in planning or economic development; or an equivalent combination of education and experience. A Master's Degree in Planning or related discipline will be given preference.

Knowledge, Ability and Skill

Knowledge:

- Thorough understanding of economic development/planning principles and practice
- Experience in community/economic development
- Knowledge of loan underwriting
- Experience with financing strategies, including TIFs and PILOTs
- Working knowledge of urban design and zoning

- Working knowledge of computer applications for municipal planning, grant writing, and financial management.

Ability:

- Ability to read engineered and architectural plans.
- Ability to analyze and interpret financial and economic data and to present findings clearly in written and oral form.
- Ability to establish and maintain cooperative relationships with town officials and governmental representatives.
- Ability to determine work priorities and to meet established schedules and deadlines.
- Ability to read site plans and construction/engineering documents;
- Working knowledge of Massachusetts land use laws, specifically Chapter 40A, Chapter 40B and Chapter 41, and land use practice in Massachusetts;

Skill:

- Skill in working with numbers and detail.
- Excellent analytical and communication skills.
- Computer skills including proficiency with intermediate spreadsheet analysis, database updating, report generation, and internet research.

Minimum Physical and Mental Abilities:

Sitting and standing for extended periods of time; lifting up to 30 lbs. of supplies, books, materials and computer equipment; reaching for books on shelves, sitting and kneeling on the floor, and climbing on stools.

Thorough knowledge of reader interest levels and broad knowledge of books, authors, and films related to children and young adults.

Operate the following equipment as required, including, but not limited to: computer equipment, typewriter, fax machine, electronic calculator, photocopier, e-readers, and other such devices.

Considerable knowledge of the resources, procedures and practices of library administration.

Working knowledge of methods of public administration and management in relation to the operation of the library.

Ability to organize and direct the work of professional, technical and clerical subordinates in a variety of library activities.

Ability to interpret library policies, objectives and facilities to community groups and the general public and to establish and maintain favorable public relations.

Ability to communicate concisely and effectively.

Working knowledge of automated library systems.

This job description does not constitute an employment agreement between the employer and the employee, and is subject to change by the employer, as the needs of the employer and requirements of the job change.

★ *The Town of Millbury is an equal opportunity employer and does not discriminate in its admission to, access to, or operations of programs and activities on the basis of disability or any other characteristic protected under applicable federal, state, or local law.*

Appendix F – GRANT RESOURCES

Grant/Funding Resources

Town of Millbury Open Space and Recreation Plan | 2020 Update

Grant	Agency/Organization	Contact	Type	Eligibility	Match	\$ Range	Examples	Schedule	Website
Agricultural Preservation Restriction (APR) Program	Mass. Dept. of Agricultural Resources	Dorothy Du dorothy.du@mass.gov Michele Padula 617-626-1758 michele.padula@mass.gov	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 prevents any use of the property that will negatively impact its future agricultural viability.	Landowners with at least five acres of land with suitable soils in agricultural production for the last two years. Farm must produce at least \$500 in gross sales per year for the first five acres plus \$5 for each additional acre or 50 cents per each additional acre of woodland and/or wetland.	N/A	Varies	N/A	Rolling application	https://www.mass.gov/service-details/agricultural-preservation-restriction-apr-program-details
Stewardship Assistance and Restoration on APRs	Mass. Dept. of Agricultural Resources	Taylor Arsenault 617-655-3870 Taylor.Arsenault@mass.gov	Restore active commercial farming on land that has already been protected through the Department's Agricultural Preservation Restriction (APR) Program. Funds may be used for materials and contracted labor or equipment rental costs to clear or reclaim inactive fields that are out of production at no fault of the current owner.	Applicant must own, or co-apply with the owner of land that was protected through the Massachusetts Agricultural Preservation Restriction (APR) program for at least three (3) years; Applicant must not have been the original owner of the property when the land was placed under the APR	85%-15% match	Up to \$25,000 Reimbursement basis	Clearing vegetation, pulling rocks or stumps, cutting back grown in field edges, or reseeding or applying soil or crop amendments to inactive cropland or pastureland in order to bring it back into production.	Application Deadline: Typically April	https://www.mass.gov/service-details/stewardship-assistance-and-restoration-on-aprs-sara
Farm Viability Enhancement Program	Mass. Dept. of Agricultural Resources	Melissa L. Adams 413-726-2001 Melissa.L.Adams@mass.gov	Provides business planning and technical assistance to help established farms identify strategies to increase farm viability such as, new or expanded enterprises, increased productivity, marketing, and/or environmental sustainability.	Own, or co-apply with owners, of at least five acres of land that is currently in active agricultural use; gross income at least \$10,000; managed by commercial enterprise; willing to sign agreement to keep land in agricultural use	No match requirement	\$50,000 to \$150,000	Infrastructure improvements such as farm buildings such as farm stands, greenhouses, livestock housing, washing, packing or processing facilities, and equipment storage barns; Resource improvements including pasture improvements, fencing, reseeding hay land, establishing perennial crops, improving drainage, and installing irrigation; specific farm equipment	Rolling application: Applications for current fiscal year typically end in April	https://www.mass.gov/service-details/farm-viability-enhancement-program-fvep
Matching Enterprise Grants for Agriculture Program	Mass. Dept. of Agricultural Resources	Deanna Levanti beginningfarmercoordinator@gmail.com	Program assists beginning farmers who are between 1 and 6 years in business by providing technical assistance and business planning for farm improvement strategies.	Operated their farm business for at least one year, but no more than six years; gross income of at least \$7,500; secure access to land	1:1 matching cost	Up to \$10,000 Reimbursement basis	Fixed capital improvements such as barns, sheds, greenhouses, farm stands and farm equipment such as tractors, field equipment, fencing, farm vehicles.	Application Deadline: Typically April	https://www.mass.gov/service-details/matching-enterprise-grants-for-agriculture-mega
Urban Agriculture Grant Program	Mass. Dept. of Agricultural Resources	Rose Arruda Rose.Arruda@mass.gov	Projects that demonstrate strategies for municipalities to increase access to affordable, fresh food for urban residents address the challenges of small scale farming in densely populated centers, and create direct markets in low-moderate income neighborhoods.	Municipalities; Nonprofit 501(c)(3) Organizations Public or non-profit educational or public institutions; Established urban farmer with more than three (3) years of commercial urban farming experience.	Matching funds of 25% are required for requests over \$15,000	\$5,000 to \$50,000 for commercial urban agriculture projects; \$1,000 - \$15,000 for community garden projects; Land acquisition proposals are eligible for a maximum award of \$100,000	Improve soil quality in blighted areas; Acquisition of land for food production in urban areas; mobile market vehicles, small farm equipment; cost-effective food distribution from urban farms to urban residents; green infrastructure	Application Deadline: Typically June *Current grant round deadline: June 12, 2020	https://www.mass.gov/how-to/apply-for-the-urban-agriculture-program

Grant/Funding Resources

Town of Millbury Open Space and Recreation Plan | 2020 Update

Grant	Agency/Organization	Contact	Type	Eligibility	Match	\$ Range	Examples	Schedule	Website
Climate Smart Agriculture Program ("CSAP")	Mass. Dept. of Agricultural Resources	Laura Maul (617) 626-1739 Laura.Maul@mass.gov	Implementation of practices that address the agricultural sector's vulnerability to climate change, mitigate climate change in agriculture, and improve economic resiliency	Agricultural operations engaged in production agriculture for commercial purposes	80%-20% match	Up to \$50,000	Management systems to accommodate increased precipitation; Infrastructure changes to reduce heat stress –improve ventilation; Sprinklers or misters to improve evaporative cooling; Diversification to perennial crops; Install/enhance drainage systems; Precision nutrient and pesticide application systems	Application Deadline: Typically May	https://www.mass.gov/service-details/agricultural-climate-resiliency-efficiencies-acre-program
Community Forest Grant Program	Mass. Dept. of Conservation & Recreation	Lindsay Nystrom (508) 792-7714 x114 lindsay.nystrom@state.ma.us	Local governments, qualified nonprofit organizations, and Indian tribes are eligible to apply for grant funding to establish community forests. Private forest land is purchased through fee simple acquisition from a willing seller; conservation easements are not eligible for this program.	Massachusetts Municipalities	50% match	Up to \$600,000	Simple fee land acquisition	Application Deadline: Typically January	https://www.mass.gov/guides/community-forest-grant-program
MassTrails Grant	Mass. Dept. of Conservation and Recreation	Amanda Lewis (413) 387-4333	Project development, design, engineering, permitting, construction, and maintenance of recreational trails, shared use pathways, and the amenities that support trails.	Municipalities, state or federal agencies, and non-profit organizations	20% match minimum Reimbursable	\$5,000 to \$100,000 Grants of up to \$300,000 can be awarded to projects demonstrating critical network connections of regional significance.	Trail planning, design, engineering, and permitting; Construction of new trails; Maintenance and restoration of existing trails; Development and rehabilitation of trailside and trailhead amenities; Purchase and lease of trail-related construction and maintenance equipment; Acquisition of easements and fee interest in property for trail corridors	Application Deadline: Typically February	https://www.mass.gov/guides/masstrails-grants#-masstrails-grant-program-overview-
Conservation Partnership Grant	Mass. Dept. of Conservation and Recreation	Melissa Cryan (617) 626-1171 melissa.cryan@mass.gov	Acquisition of the fee interest in land or a conservation restriction Due diligence for land or a conservation restriction for donated land	501(c)(3) organizations	50% match	Maximum grant award for a single acquisition project is \$85,000; for due diligence for gifts, the maximum award for a single project is \$10,000	Title search; Acquisition; Baseline Documentation Report; Chapter 21E assessment; Surveys; Legal fees associated with the acquisition; Recording fees	Application Deadline: Typically April *Current grant round deadline: July 20, 2020	https://www.mass.gov/how-to/apply-for-a-conservation-partnership-grant
Urban and Community Forestry Challenge Grants	Mass. Dept. of Conservation and Recreation - Bureau of Forest Fire Control and Forestry	Julie Coop 617-626-1468 julie.coop@state.ma.us	Building and Strengthening Citizen Advocacy and Action Organizations; Community Wood Bank Special Grant Opportunity; Developing and Adopting Tree and Forest Ordinances and Policies; Securing or Training Professional Staff; Developing and Implementing Systematic Urban Forestry Management; Completing Strategic Community Tree Plantings and "Heritage" Tree Care Projects	Municipalities, all units of local government, and nonprofit 501(c)(3) organizations	50%-50% match 75%-25% match for Environmental Justice Projects	\$1,000 to \$30,000 Must be a Tree City USA for projects \$7,000+ Reimbursement basis	Tree risk assesment, Forest inventory/management plan, purchase and planting of trees,	Application Deadline: Typically November *Intent to apply - October **Current grant round due Nov 1, 2020	https://www.mass.gov/guides/urban-and-community-forestry-challenge-grants
Green Communities Program	Mass. Dept. of Energy Resources	Kelly Brown kelly.brown@mass.gov 617-780-8144	Technical assistance and financial support for municipal initiatives to improve energy efficiency and increase the use of renewable energy in public buildings, facilities and schools.	Massachusetts Municipalities	No match requirement	Up to \$200,000 for small communities in current FY; to be reduced to \$100,000 in upcoming fiscal years	Energy conservation measures, energy assessments, weatherization, HVAC control upgrades, LED light replacement; electric vehicle purchase; certification training; building envelope improvements	Application Deadline: Typically February	https://www.mass.gov/service-details/green-communities-grants

Grant/Funding Resources

Town of Millbury Open Space and Recreation Plan | 2020 Update

Grant	Agency/Organization	Contact	Type	Eligibility	Match	\$ Range	Examples	Schedule	Website
Water Quality Monitoring Grant Program	Mass. Dept. of Environmental Protection	Meghan Shelby meghan.selby@mass.gov	For bacteria data collection and/or associated capacity-building to perform data collection or analysis in the future, with the goal of increasing the amount of bacteria data available for MassDEP's use in the assessment of primary and secondary contact recreation activities in surface waters of the Commonwealth.	Non-profit organizations, and can include watershed groups, lake and pond associations, academic institutions and other non-profit organizations with the ability to conduct bacteria monitoring and data collection, or who wish to develop this capacity.	No match requirement	Up to \$15,000	Surface water bacteria monitoring data collection and/or to build capacity for surface water data collection, including: monitoring project design and planning; purchase of monitoring equipment and supplies; training in monitoring support areas; field staff for surface water bacteria monitoring specific to this project; technical assistance in data analysis and reporting; and/or technical assistance	Application Deadline: Typically December	https://www.mass.gov/info-details/grants-financial-assistance-watersheds-water-quality
Community Preservation Act	Mass. Dept. of Revenue; Community Preservation Coalition	Chase Mack Chase.Mack@communitypreservation.org	Establishment of a special "Community Preservation Fund" through a property tax surcharge that may be appropriated and spent for certain open space (including recreation), historic resource and community housing purposes.	Municipalities; Requires majority approval of both the community's legislative body and voters	N/A	Varies per year: Local revenues; Annual distribution from the Massachusetts Community Preservation Trust Fund	Open Space: The acquisition, creation and preservation of open space. The rehabilitation or restoration of open space; provided the open space was acquired or created with community preservation funds. Land for Recreational Use: The acquisition, creation, preservation, rehabilitation and restoration of land for recreational use	Rolling	https://www.mass.gov/lists/community-preservation-act-cpa-payments-decile-reports-and-other-information https://www.communitypreservation.org/
Planning Assistance Grants	Mass. Executive Office of Energy and Environmental Affairs (EEA)	Kurt Gaertner 617-626-1154 Kurt.gaertner@mass.gov	Funds efforts to plan, regulate (zone), and act to conserve and develop land consistent with the Massachusetts' Sustainable Development Principles; zoning for sustainable affordable housing, permanent land conservation, and mitigation of climate change.	Municipalities and Regional Planning Agencies	25% match minimum	Up to \$50,000	Update Open Space and Recreation Plans, Green Infrastructure (GI)/ Low Impact Development (LID) Policy	Application Deadline: Typically May	https://www.mass.gov/service-details/planning-assistance-grants
Parkland Acquisitions and Renovations for Communities (PARC) Grant Program	Mass. Executive Office of Energy and Environmental Affairs (EEA)	Melissa Cryan (617) 626-1171 melissa.cryan@mass.gov	Acquisition of parkland Development of new parks Improvements to existing parks	Municipalities with an up-to-date Open Space and Recreation Plan	No match	Up to \$100,000 for towns with less than 35,000 residents are eligible for a Small Town grant	Design and construction of a play area, walkways, seating, and tables; Construction of a new multipurpose practice field and extension of the pedestrian pathway network; Development of a new downtown park	Application Deadline: Typically July *FY21 Grant Round due July 15, 2020	https://www.mass.gov/service-details/parkland-acquisitions-and-renovations-for-communities-parc-grant-program
Local Acquisitions for Natural Diversity (LAND) Grant Program	Mass. Executive Office of Energy and Environmental Affairs (EEA)	Nathaniel Thomas nathaniel.thomas1@mass.gov	Purchase of land in fee simple or a conservation restriction; Property acquisition, Recording fees, Title search, Stewardship activities, Appropriate access project, Survey	Municipal conservation and agriculture commissions. Must have an approved Open Space and Recreation Plan	Reimbursement rate: 52-70%	\$400,000; Regional projects allowable Reimbursement basis	Protection of groundwater supply; Off-street parking, ADA accessibility, trail improvements and a trail head; Acquisition of land as protected open space	Application Deadline: Typically July *FY21 Grant Round due July 15, 2020	https://www.mass.gov/service-details/local-acquisitions-for-natural-diversity-land-grant-program
Municipal Vulnerabilities Preparedness Action Grant	Mass. Executive Office of Energy and Environmental Affairs (EEA)	Hillary King (617) 655-3913	Resources to municipalities that are seeking to advance priority climate adaptation actions to address climate change impacts resulting from extreme weather, sea level rise, inland and coastal flooding, severe heat, and other climate impacts.	Municipalities with an MVP designation	25% match minimum	\$25,000-\$2,000,000	Identify and fill critical information gaps to advance climate change projects and data; Evaluate and prioritize climate adaptation strategies for implementation; Conduct adaptation planning to address climate change projections and data; Nature-based Solutions for Ecological and Public Health issues; Resilient Redesigns and Retrofits for Critical Facilities and Infrastructure;	Application Deadline: Typically June *FY21 Grant Round due	https://www.mass.gov/service-details/mvp-action-grant
Complete Streets Grant	Mass. Department of Transportation	CompleteStreetsProgram@dot.state.ma.us	Addresses critical gaps in transportation networks by giving Massachusetts municipalities tools and funding to advance Complete Streets in their community.	Municipalities that have a Complete Streets Prioritization Plan	No match requirement	Up to \$400,000 over four fiscal years	Intersection redesign, street configuration & traffic calming; pedestrian crossing modifications; pedestrian & bike network connections; transit investment; environmental & streetscape improvements	Application Deadlines: May 1 & October 1	https://gis.massdot.state.ma.us/completestreets

Grant/Funding Resources

Town of Millbury Open Space and Recreation Plan | 2020 Update

Grant	Agency/Organization	Contact	Type	Eligibility	Match	\$ Range	Examples	Schedule	Website
Municipal Americans with Disabilities Act (ADA) Improvement Grant	Massachusetts Office on Disability	Jeff Dougan (jeff.dougan@mass.gov) 617-727-7440	Support capital improvements specifically dedicated to improving programmatic access and/or removing barriers encountered by persons with disabilities in applicant facilities throughout the Commonwealth.	Massachusetts Municipalities	No match requirement	Unknown	Planning Grant: These grants are for updating or creating a Self-Evaluation and/or Transition Plan as required under the Administrative Requirements of Title II of the ADA. Project Grant: These grants are for removal of architectural or communication barriers that are present. Design plans or Applicant salaries are not eligible project grants. Project Grants are purposed only to remove barriers or to make physical/communication improvements at municipal properties or municipally owned facilities.	Application Deadline: Typically October	https://www.mass.gov/how-to/apply-for-a-municipal-americans-with-disabilities-act-ada-improvement-grant
MassWorks	Mass. Department of Transportation	onestop@mass.gov.	The overall goal is to support projects that can achieve economic development and growth by accelerating housing production, spurring private development, and creating jobs throughout the Commonwealth.	Massachusetts Municipalities	No match requirement but some match strengthens application	No maximum	Predevelopment: Engineering documents, pre-permitting, proforma development, due diligence, etc. Pre-Construction: Design, final engineering/surveying, permitting, bidding, etc. Direct Construction: All earthwork and/or site work (for example, demolition, sidewalk and road construction, utility relocation, traffic signals, water/sewer extensions, bridge/culvert repairs, etc.). Construction Administration: Project management, traffic control, public safety details, etc.	Application Deadline: Typically June, part of the One Stop for Community Growth	https://www.mass.gov/service-details/massworks-infrastructure-program
Housing Choice Community Capital Grant	Housing Choice Initiative	Chris Kluchman, FAICP, Deputy Director 617-573-1167 chris.kluchman@mass.gov	The Housing Choice Capital Program Grant Program provides funding for capital projects to communities that have achieved the Housing Choice designation. This competitive grant program awards funds based on the project's nexus with housing, the municipality's housing production record, and sustainable growth policies that go beyond the housing choice requirements.	Municipalities designated as Housing Choice Communities	No match requirement; project that includes more than 10% match	\$250,000	Design, construction, building, land acquisition, rehabilitation, repair and other improvements to publicly-owned infrastructure including, but not limited to, sewers, utility extensions, streets, roads, curb-cuts, parking, water treatment systems, telecommunications systems, transit improvements, public parks and spaces within urban renewal districts, and pedestrian and bicycle ways.	Application Deadline: Typically June, part of the One Stop for Community Growth	https://www.mass.gov/how-to/housing-choice-community-grant-program
Commonwealth Places	MassDevelopment	Laura Christopher lchristopher@massdevelopment.com	It is a competitive opportunity to advance locally driven placemaking in downtown and neighborhood commercial districts in eligible communities throughout Massachusetts. Placemaking is a collaborative process through which people in communities work together to improve public spaces and maximize their shared value. The process facilitates creative patterns of use, and leverages the local physical, cultural, and social assets that define a place and support its ongoing evolution.	Municipalities and Non-profit Agencies	50% Crowd-sourced match required	\$5,000-\$300,000	Seed Grant: Placemaking workshop series facilitation paired with design services; Facilitation training for community members who then lead local engagement efforts Implementation Grant: Creation of outdoor seating spaces including spaces intended to support outdoor dining; Queueing control; Creating smaller spaces within existing gathering spaces: physical barriers, partitions, or delineations intended to support social distancing within restaurants and bars and/or within existing public spaces; Sidewalk retail solutions: tents, booths for point of sale, display cases, etc.; Tactical urbanism techniques to reclaim roadway or parts of roadways for pedestrian and/or bicycle traffic.	Application Deadline: Typically January	https://www.massdevelopment.com/what-we-offer/real-estate-services/commonwealth-places/

Grant/Funding Resources

Town of Millbury Open Space and Recreation Plan | 2020 Update

Grant	Agency/Organization	Contact	Type	Eligibility	Match	\$ Range	Examples	Schedule	Website
Gap Energy Grant Program	Mass. Dept. of Environmental Protection	Jane Pfister Jane.Pfister@state.ma.us 617.626.1194	Massachusetts' Gap Energy Grant Program provides grant assistance for implementing energy efficiency and clean energy generation projects at water and wastewater plants.	Municipalities, water districts, and non-profit public water systems (PWSs) authorized by the Commonwealth to provide drinking water to the public.	No match requirement	Up to \$200,000 per community	Energy efficiency projects are eligible; Renewable energy generation projects, including wind, solar photovoltaic (PV), in-conduit hydropower are eligible; Renewable thermal energy projects, such as solar thermal, air or water-source heat pumps, are eligible; Anaerobic Digestion and/or Combined Heat and Power owned by the municipal facilities, districts or authorities are eligible.	Application Deadline: Typically November	https://www.mass.gov/info-details/massachusetts-gap-energy-grant-program
604(b) Water Quality Management Planning Grant	Mass. Dept. of Environmental Protection	Patricia Arp patricia.arp@mass.gov	This grant program is authorized under the federal Clean Water Act Section 604(b) for water quality assessment and management planning. Eligible entities include: regional planning agencies, councils of governments, conservation districts, counties, cities and towns, and other substate public planning agencies and interstate agencies.	Massachusetts Municipalities	No match requirement	Typically \$30,000-\$50,000	Development of Watershed-based Plans (WBPs) for local watershed planning and to support future 319 grant implementation projects; Development of preliminary designs and implementation plans that will address water quality impairments in impaired watersheds; Development of Watershed-based Plans; Determination of the nature, extent, and causes of water quality problems and pollutant load reductions necessary to meet water quality standards; Development of green infrastructure projects	Application Deadline: Typically April	https://www.mass.gov/info-details/grants-financial-assistance-watersheds-water-quality#604b-grant-program-water-quality-management-planning
Sustainable Materials Recovery Program (SMRP) Municipal Grant	Mass. Dept. of Environmental Protection	Janine Bishop 617-348-4004 janine.bishop@mass.gov	Supports local recycling, composting/organics, reuse, source reduction, program development, and enforcement activities that increase diversion and reduce disposal.	Municipalities meeting certain recycling	No match requirement	About \$1,000-\$30,000	Solid waste reduction; Organics; Bulky items; Reuse Programs; Yard waste; Household hazardous waste programs; Center for Hard to Recycle Materials; Enforced Residential Curbside Recycling; Waste prevention outreach; Textile Recovery	Application Deadline: Typically July	https://www.mass.gov/how-to/apply-for-a-sustainable-materials-recovery-program-smrp-municipal-grant
Southeast New England Program Watershed Grants	Restore America's Estuaries	Thomas Ardito 401-575-6109 tardito@estuaries.org	Grants target water pollution, habitat degradation, and other high-priority environmental issues, in order to foster sustainable coastal and watershed communities.	Southeast New England Program Boundary Municipalities (Part of MA, RI)	33% match	\$50,000-\$350,000	Salary, fringe, contractual support, equipment, supplies, travel, and indirect costs	Application Deadline: Typically April	https://estuaries.org/snepgrantprogram/resources/
Landscape Partnership Grant	Mass. Executive Office of Energy and Environmental Affairs (EEA)	Nathaniel Thomas nathaniel.thomas1@mass.gov	Purchase of interests in a minimum of 500 acres of land through fee simple acquisition, conservation restriction, agricultural preservation restriction, watershed preservation restriction, forest modeling & project assessment	All applications must include at least two eligible project partners: Municipalities; non-profit, non-municipal public water supplier; non-profit 503c; government agency; municipal park and recreation department	Reimbursement rate: up to 50% of total eligible project costs	Up to \$1,250,000	Preserve a scenic, recreational and biological connection between the Mt. Holyoke Range and the Connecticut River: Protect 570 acres of land abutting the state's Templeton Development Center, to achieve landscape-level connectivity within the Millers River watershed	Application Deadline: Typically January	https://www.mass.gov/how-to/apply-for-a-landscape-partnership-grant
Drinking Water Supply Protection Grant Program	Mass. Executive Office of Energy and Environmental Affairs (EEA)	Nathaniel Thomas nathaniel.thomas1@mass.gov	Purchase of land in fee; Purchase of a Conservation Restriction; Purchase of a Watershed Preservation Restriction	Municipalities, water districts, and non-profit public water systems (PWSs) authorized by the Commonwealth to provide drinking water to the public.	50% match	Up to \$300,000	Project to protect existing/future wells or intakes; Watershed protection, passive recreation, limited forestry and agriculture where compatible with water supply protection	Application Deadline: Typically January	https://www.mass.gov/how-to/apply-to-the-drinking-water-supply-protection-grant-program

Grant/Funding Resources

Town of Millbury Open Space and Recreation Plan | 2020 Update

Grant	Agency/Organization	Contact	Type	Eligibility	Match	\$ Range	Examples	Schedule	Website
Section 319 Nonpoint Source Competitive Grants Program	Mass. Executive Office of Energy and Environmental Affairs (EEA)	Malcolm Harper	Control nonpoint sources of water pollution; Implementation Projects in Impaired Waters; Healthy Watersheds and Protection of High-Quality Waters; Regional Implementation Project Development; Agricultural Nonpoint Source Regional Coordinator	Any Massachusetts public or private organization that meets grant criteria	40% match	\$1,500,000 total available funds	The protection of high quality and unimpaired waters; Development of regional nonpoint source coordinator initiatives for Worcester and/or Essex Counties; Outreach and education work addressing statewide NPS topics.	Application Deadline: Typically June *Current grant round deadline: June 4, 2020	https://www.mass.gov/info-details/grants-financial-assistance-watersheds-water-quality
Massachusetts Land and Water Conservation Fund Grant Program	Mass. Executive Office of Energy and Environmental Affairs (EEA); National Park Service (NPS)	Melissa Cryan (617) 626-1171 melissa.cryan@mass.gov	Acquisition of parkland, development of new parks, renovation of existing parks, development of trails in existing conservation and recreation areas, or the acquisition of conservation land	Municipalities with an up-to-date Open Space and Recreation Plan; Department of Conservation and Recreation, Department of Fish and Game	Reimbursement rate: 50%	Minimum award \$200,000 Maximum award \$750,000 Reimbursement basis	Construction of a new splash pad, playground, pavilion, rain garden, accessible pathways, and site amenities, overlook space, an accessible play structure and swing set area, basketball court, repaired and resurfaced tennis court and seating area, new parking lot, renovations to pedestrian walkways, renovations to an existing parking lot, planting of new trees	Application Deadline: Typically April	https://www.mass.gov/service-details/massachusetts-land-and-water-conservation-fund-grant-program
Mass Wildlife Habitat Management Grant Program	Massachusetts Division of Fisheries and Wildlife	James Burnham James.Burnham@state.ma.us (508) 389-6343	Improve habitat(s) for game species (those species that can be legally hunted, fished, and trapped in MA). Manage habitat(s) for Species of Greatest Conservation Need as identified in the Massachusetts State Wildlife Action Plan – special emphasis on State-Endangered and State-Threatened Species. Promote public recreational opportunities for hunting, fishing, trapping, and other wildlife associated recreation on conserved lands.	Owners of private or municipal conserved lands in the Commonwealth of Massachusetts	No match requirement	\$10,000 and \$50,000	Prescribed Burning; Invasive Control; Harrowing; Seeding; Tree Clearing & Stumping; Mowing/Mulching; Prescribed Burning; Clearing of unmerchantable trees; Establishment of downed coarse woody debris; Establishment of tip-up trees	Application Deadline: Typically September	https://www.mass.gov/guides/mass-wildlife-habitat-management-grant-program-mhmgp
Massachusetts Historical Commission Survey and Planning Grant Program	Massachusetts Historical Commission	Michael Steinitz Deputy michael.steinitz@sec.state.ma.us (617) 727-8470	The goal of the Survey and Planning Grant program is to support efforts to identify and plan for the protection of the significant historic buildings, structures, archaeological sites and landscapes of the Commonwealth.	All local historical commissions, local historic district commissions, planning offices, and other eligible public and non-profit historic preservation organizations	50%/50% match	Grant requests should be for no less than \$7,500. Community-wide survey grant requests should be for no less than \$12,500. There is no maximum amount; however, most awards will likely be between \$10,000 and \$20,000.	Completion of cultural resource inventories; Nomination of significant properties to the National Register of Historic Places; Completion of community-wide preservation plans; and Other types of studies, reports, publications and projects that relate to the identification and protection of significant historic properties and sites.	Application Deadline: Typically February	https://www.sec.state.ma.us/mhc/mhcpp/Surveyandplanning.htm
Massachusetts Preservation Projects Fund	Massachusetts Historical Commission	Paul Holtz Paul.Holtz@sec.state.ma.us (617) 727-8470	Supports the preservation of properties, landscapes, and sites (cultural resources) listed in the State Register of Historic Places	Municipality or nonprofit organizations who own or have a long-term interest in the property	50%/50% match; 75%-25% match if 25% of MPPF award is used to establish an endowment fund.	Pre-development projects: \$5,000-\$30,000 Development and Acquisition projects: \$7,500-\$100,000	Preparation of an historic structures report, feasibility studies, conditions assessments, and archaeological investigations. costs of materials and construction labor necessary to ensure the preservation, safety, and accessibility of historic cultural resources.	Application Deadline: Typically March	https://www.sec.state.ma.us/mhc/mhcmpp/mppfidx.htm
Brownfields Redevelopment Fund	MassDevelopment	massdevelopment.com	Finances the environmental assessment and remediation of brownfield sites in Economically Distressed Areas (EDAs) of the Commonwealth.	Municipalities, businesses, nonprofit organizations, economic development organizations and individuals	None	\$100,000 for site assessment funding, and/or up to \$500,000 for remediation funding.	Assessment and remediation funding to clean-up damaged former mill building site.	Rolling application	https://www.massdevelopment.com/assets/what-we-offer/brochures/brownfieldsredevelopmentfund_brochure.pdf

Grant/Funding Resources

Town of Millbury Open Space and Recreation Plan | 2020 Update

Grant	Agency/Organization	Contact	Type	Eligibility	Match	\$ Range	Examples	Schedule	Website
Placemaking Grant	National Association of Realtors	Holly Moskerintz hmoskerintz@realtors.org 202-383-1157	Creation of new, outdoor public spaces and destinations in a community.	State and local REALTOR® Associations	No match requirement	Level 1 grant: up to \$1,500 Level 2 grant: up to \$5,000	Temporary parklets, pop-up parks, pedestrian plazas, bike lanes	Application Deadline: Typically October	https://realtorparty.realtor/community-outreach/placemaking
New England Forests and Rivers Fund	National Fish and Wildlife Foundation (NFWF)	John Wright john.wright@nfwf.org	Strengthen the health of forest systems by improving the management of public and private forestlands to create a mosaic of mixed-age forests in the region; Provide incentives to strengthen habitat conservation on working forests through flexible technical assistance that is appropriate for the forest stage being targeted; Improve the quality of river and stream systems through targeted riparian and stream restoration; Reduce barriers to fish passage and increase fish access to high quality habitat; Enhance biodiversity of forest and river systems and increase populations of species representative of system health.	Non-profit 501(c) organizations, state government agencies, local governments, municipal governments, Indian tribes and educational institutions	No match requirement but 50% match strongly encouraged	\$50,000-\$200,000	Restore habitat for eastern brook trout on public and private lands by adding large woody material in tributaries; remove barriers to five fish passage, including three dams and two under-sized culverts;	Application Deadline: Typically April	https://www.nfwf.org/programs/new-england-forests-and-rivers-fund/new-england-forests-and-rivers-fund-2020-request
Amelia Peabody Charitable Fund	Amelia Peabody Charitable Fund	Cheryl Gideon cgideon@apcfund.org 617-451-6178	Capital projects and purchases for medicine (human and animal), social welfare, visual arts, historic preservation, and land conservation.	501(c)(3) tax exempt nonprofit organization	No match requirement	Unknown	Medicine (human and animal), social welfare, visual arts, historic preservation, and land conservation.	Application Deadline: Typically February and July	http://www.apcfund.org/welcome
TD Green Space Grant	Arbor Day Foundation	TDGreenSpaceGrants@arborday.org	Supports green infrastructure development, tree planting, forestry stewardship, and community green space expansion as a way to advance environmental and economic benefits toward a low-carbon economy.	Municipalities, nonprofit organizations, schools, businesses; with vested interest in local community; special consideration for projects that address current year's program theme	No match requirement	Around \$20,000	Planting and maintenance of shade trees; installation of bioswall; conversion of old railway to multi-use trail; rain garden installations	Application Deadline: Typically January	https://www.arborday.org/programs/TDGreenSpaceGrants/grant-information.cfm
Bay State Saving Charitable Foundation	Bay State Savings Bank	Diane Giampa 508) 890-9020	The Foundation will support: Health and Human Services, Community Development, Housing, Education, Environment	Non-profit organizations	No match requirement	\$1,000 to \$2,000	Health and Human Services, Community Development, Housing, Education, or Environment related projects	Application Deadline: Typically April and October	https://www.baystatesavingsbank.com/about-us/community-involvement/bss-charitable-foundation/

Appendix G – ACTION PLAN TABLE

Town of Millbury 2020 Open Space & Recreation Plan Update

Seven Year Action Plan Table

Goal 1 – Preserve, maintain, diversify, and enhance Millbury’s open space resources and recreation opportunities.

Goal 2 – Broaden public awareness and increase access to Millbury’s natural and recreational resources.

Goal 3 – Manage Millbury’s water resources to ensure good water quality and quantity for public consumption, wildlife and recreation.

Goal 4 – Improve the Town’s capacity to plan for, protect, maintain, expand, and diversify its natural, open space, recreation, and historic resources.

Goal ->	Action ->	<u>Task</u>	Responsible Party	Completion Timeframe	Funding Source	Priority Level
1	A. Use innovative growth management strategies and improved regulatory controls to accomplish desired goals.	Implement recommendations in the 2020 Open Space and Recreation Plan Update, as well as the recently completed 2019 Comprehensive Master Plan.	Department of Planning & Development, Open Space Committee, Planning Board	Ongoing Effort	Various Funding Sources (See Appendix F- Grant/Funding Resources)	1
1	A. Use innovative growth management strategies and improved regulatory controls to accomplish desired goals.	<p>Promote the creation of Open Space Communities as a means of protecting cherished natural, scenic and historic resources as well as increasing the supply of recreation facilities and valuable conservation land.</p> <p>The Town should emphasize the following when negotiating with applicants during the pre-application stage:</p> <ul style="list-style-type: none"> o Find “win/win” solutions for both the Town and the property owner/developer. o Encourage linkages and open space corridors as site plans are prepared for Open Space Communities. o Implement an in-lieu fee program rather than an open space set aside to allow developers to set aside funds earmarked for specific open space improvement and maintenance. 	Department of Planning & Development, Planning Board	Ongoing Effort	N/A	1
1	A. Use innovative growth management strategies and improved regulatory controls to accomplish desired goals.	Amend zoning bylaws and regulations in accordance with the MS4 Permit and recommendations from the 2019 Master Plan.	Department of Planning & Development, Designated Department, Board or Commission	Year 1-2	Municipal appropriation for Planning Consultant	1
1	A. Use innovative growth management strategies and improved regulatory controls to accomplish desired goals.	Consider allowing common driveways and hammerhead lots as a means of protecting open space and preserving the Town’s character.	Department of Planning & Development, Planning Board	Year 1-3	N/A	3

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Goal ->	Action ->	<u>Task</u>	Responsible Party	Completion Timeframe	Funding Source	Priority Level
1	A. Use innovative growth management strategies and improved regulatory controls to accomplish desired goals.	Encourage the use of Low Impact Development (LID) principals and green infrastructure techniques in all future developments.	Department of Planning & Development, Planning Board	Ongoing Effort	N/A	2
1	A. Use innovative growth management strategies and improved regulatory controls to accomplish desired goals.	Continue to implement Millbury’s Energy Reduction Plan, encourage the placement of alternative energy facilities within town, and pursue energy reduction opportunities at municipal facilities.	Department of Planning & Development, Department of Public Works, Energy Advisory Committee	Ongoing Effort	Green Communities Grant, GAP Energy Grant, Town appropriation	1
1	A. Use innovative growth management strategies and improved regulatory controls to accomplish desired goals.	Promote the redevelopment of brownfield properties and preservation of historic properties through the use of the Adaptive Reuse Overlay Bylaw and Bramanville Village District.	Department of Planning & Development, Planning Board	Ongoing Effort	Brownfields Redevelopment Fund, Historic Tax Credits, Massachusetts Preservation Projects Fund	2
1	B. Enhance the number, variety and maintenance of Millbury’s recreation facilities and conservation areas.	Pursue opportunities to expand and add additional open space and conservation areas.	Department of Planning & Development, Conservation Commission	Ongoing Effort	Massachusetts Land and Water Conservation Fund Grant Program, LAND Grant, Amelia Peabody Charitable Fund, Town appropriation	2
1	B. Enhance the number, variety and maintenance of Millbury’s recreation facilities and conservation areas.	Engage a forester to implement the forest management plan for the Brierly Pond Conservation Area.	Department of Planning & Development, Conservation Commission; Year 1	Year 1	Generated income from logging	1
1	B. Enhance the number, variety and maintenance of Millbury’s recreation facilities and conservation areas.	Develop and implement forest management plans for Stowe Meadows Conservation Area and the Davidson Sanctuary	Department of Planning & Development, Conservation Commission; Year 1	Year 2-7	Urban & Community Forestry Challenge Grant, New England Forests & Rivers Fund	2

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Goal ->	Action ->	<u>Task</u>	Responsible Party	Completion Timeframe	Funding Source	Priority Level
1	B. Enhance the number, variety and maintenance of Millbury’s recreation facilities and conservation areas.	Proactively manage invasive species on the Town’s open space resources.	Department of Planning & Development, DPW, Tree Warden, Conservation Commission	Ongoing Effort	Urban & Community Forestry Challenge Grant, New England Forests & Rivers Fund	2
1	B. Enhance the number, variety and maintenance of Millbury’s recreation facilities and conservation areas.	Develop capital improvement plans and management plans for Millbury’s largest parks and playgrounds (Washington Street Park, East Millbury Park, Greenwood Street Park)	Department of Public Works, School Department	Year 2-4	ARPA Funds, Town appropriation	2
1	B. Enhance the number, variety and maintenance of Millbury’s recreation facilities and conservation areas.	Launch a visioning process and update the Master Plan for Windle Field. Pursue the funding necessary to implement the vision.	School Department, Department of Planning & Development	Year 2-3	Planning Assistance Grant, ARPA Fund, Town appropriation	2
1	B. Enhance the number, variety and maintenance of Millbury’s recreation facilities and conservation areas.	Allocate staff and financial resources sufficient to properly maintain cemeteries, parks and conservation areas.	Finance Committee, Board of Selectmen, Cemetery Commission, Department of Planning & Development, Department of Public Works, School Department	Ongoing Effort	Town appropriation	1
1	B. Enhance the number, variety and maintenance of Millbury’s recreation facilities and conservation areas.	Establish and maintain trails and water crossing features, where applicable. Seek recreation trail funding to finance these improvements.	Open Space Committee, Department of Planning & Development, Conservation Commission; Ongoing	Ongoing Effort	MassTrails Grant, Massachusetts Land and Water Conservation Fund	2
1	B. Enhance the number, variety and maintenance of Millbury’s recreation facilities and conservation areas.	Install picnic tables in appropriate locations.	Department of Public Works, Department of Planning & Development, Millbury Center Beautification Initiative;	Ongoing Effort	ARPA Fund, Town appropriation, Fundraising	3
1	B. Enhance the number, variety and maintenance of Millbury’s recreation facilities and conservation areas.	Identify and develop mini-parks in neighborhoods and denser areas with facilities for children and elderly populations. Include pedestrian and bicycle facilities to ensure these areas are accessible by all forms of transportation.	Department of Planning & Development, Department of Public Works	Ongoing Effort	PARC Grant, Massachusetts Land and Water Conservation Fund Grant Program	3

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Goal ->	Action ->	<u>Task</u>	Responsible Party	Completion Timeframe	Funding Source	Priority Level
1	B. Enhance the number, variety and maintenance of Millbury’s recreation facilities and conservation areas.	Enthusiastically support and implement efforts aimed at advancing construction of the full extent of the Blackstone River Bikeway.	Board of Selectmen, Department of Planning & Development	Ongoing Effort	N/A	2
1	B. Enhance the number, variety and maintenance of Millbury’s recreation facilities and conservation areas.	Develop the abandoned railroad right-of-way, linking Millbury Center to the Mass Pike Park ‘N Ride facility at Exit 11, into a formal multi-purpose trail. Establish an informal parking lot on the parcel owned by the Conservation Commission that is located on Grafton Road, adjacent to the railroad right-of-way.	Open Space Committee, Department of Planning & Development	Year 1-5	MassTrails Grant, ARPA Fund	3
1	C. Preserve the Town’s agricultural, historic, and scenic resources	Update the comprehensive baseline inventory of all existing natural resources, including identifying lands critical to ecological functions, stream/habitat continuity upgrades, and parcels that are a priority for preservation.	Open Space Committee, Department of Planning & Development	Year 2-5	Planning Assistance Grant, Town appropriation	2
1	C. Preserve the Town’s agricultural, historic, and scenic resources	Assess municipal properties for ecological, scenic, or cultural significance and apply conservation easements, as appropriate, to properties deemed protection priorities.	Open Space Committee, Planning Department	Year 2-3	Planning Assistance Grant, Town appropriation	2
1	C. Preserve the Town’s agricultural, historic, and scenic resources	Exercise the Town’s right of first refusal when farmland and other critical open spaces are released from the Chapter 61 program.	Department of Planning & Development, Board of Selectmen	Ongoing Effort	N/A	1
1	C. Preserve the Town’s agricultural, historic, and scenic resources	Promote the protection of additional agricultural land in Town through the Agricultural Preservation Restriction (APR) Program.	Open Space Committee, Department of Planning & Development	Ongoing Effort	Agricultural Preservation Restriction Program, Landscape Partnership Grant	2
1	C. Preserve the Town’s agricultural, historic, and scenic resources	Establish a monthly Farmer’s Market to be held on the Upper Common from May through October.	Department of Planning & Development	Year 2	ARPA Fund, Town appropriation, local non-profits	3

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Goal ->	Action ->	<u>Task</u>	Responsible Party	Completion Timeframe	Funding Source	Priority Level
1	C. Preserve the Town’s agricultural, historic, and scenic resources	Establish Local Historic Districts and a demolition delay ordinance bylaw to help protect valuable historic resources.	Department of Planning & Development, Historic Commission, Historical Society, Board of Selectmen	Year 1-3	Massachusetts Historical Commission Survey and Planning Grant, Planning Assistance Grant, Planning Department staff/resources	3
1	C. Preserve the Town’s agricultural, historic, and scenic resources	Nominate historic properties for National Register of Historic Places designation to enable access to historic tax credits.	Historic Commission, Department of Planning & Development	Ongoing Effort	Massachusetts Historical Commission Survey & Planning Grant Program	2
1	C. Preserve the Town’s agricultural, historic, and scenic resources	Establish partnerships with regional land trusts to secure conservation restrictions to protect farmlands from future development.	Department of Planning & Development, Conservation Commission	Ongoing Effort	N/A	3
1	C. Preserve the Town’s agricultural, historic, and scenic resources	Approach the new owner of the Cordis Mills about providing an easement over the canal remnant located on their property.	Department of Planning & Development	Year 1	Massachusetts Historical Commission Survey & Planning Grant Program, Millbury Conservation Fund	3
1	C. Preserve the Town’s agricultural, historic, and scenic resources	Identify grants and other opportunities to protect natural resources and historic buildings and landscapes.	Department of Planning & Development, Open Space Committee, Historic Commission	Ongoing Effort	Massachusetts Historical Commission Survey and Planning Grant Program, Massachusetts Preservation Projects Fund	2

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Goal ->	Action ->	<u>Task</u>	Responsible Party	Completion Timeframe	Funding Source	Priority Level
1	C. Preserve the Town’s agricultural, historic, and scenic resources	Preserve existing trees and plant new trees as part of an ongoing effort to improve the tree canopy, air quality, stormwater capacity, and aesthetic within Town.	Department of Planning & Development, Tree Warden, Millbury DPW	Ongoing Effort	TD Green Space Grant, Municipal Vulnerability Preparedness Action Grant	1
1	C. Preserve the Town’s agricultural, historic, and scenic resources	Enforce the Scenic Road Bylaw, review existing scenic road designations, and consider additional scenic roads in Millbury.	Department of Planning & Development, Planning Board, Tree Warden, Historic Commission, Conservation Commission	Ongoing Effort	N/A	3
2	A. Improve access to information and promote the Town’s natural resources and recreation facilities through social media, the Town website, flyers, and other means of communication.	Utilize social media and the Town’s website to promote the Town’s open spaces, as well as activities and programing opportunities.	Department of Planning & Development, DPW, School Department, Conservation Commission	Ongoing Effort	N/A	3
2	A. Improve access to information and promote the Town’s natural resources and recreation facilities through social media, the Town website, flyers, and other means of communication.	Mark, inventory and map the town’s existing trail networks. Upload trail maps and property information onto the municipal website for download by residents.	Department of Planning & Development, Conservation Commission, Trails Committee	Year 1-2	Local Conservation Fund	2
2	A. Improve access to information and promote the Town’s natural resources and recreation facilities through social media, the Town website, flyers, and other means of communication.	Install consistent signage, trail maps, and informational kiosks that feature information about conservation and recreation facilities, rules and regulations, volunteer opportunities, etc.	Department of Planning & Development, Department of Public Works, Conservation Commission	Year 2-3	Massachusetts Land & Water Conservation Fund Grant, MassTrails Grant, Town staff and volunteer time, Local Conservation Fund	3

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Goal ->	Action ->	<u>Task</u>	Responsible Party	Completion Timeframe	Funding Source	Priority Level
2	A. Improve access to information and promote the Town’s natural resources and recreation facilities through social media, the Town website, flyers, and other means of communication.	Work with local news media to publicize the Open Space and Recreation Plan Update, as well as other conservation and recreation matters.	Department of Planning & Development, Department of Public Works, Open Space Committee	<i>Year 1 & Ongoing</i>	N/A	2
2	B.Pursue opportunities to increase ADA/AAB accessibility to the Town’s public facilities and recreation areas.	Install ADA/AAB compliant amenities, where possible, at the Town’s recreational and athletic facilities.	Commission on Disability, Department of Planning & Development, Department of Public Works, Open Space Committee	Ongoing Effort	PARC Grant, Municipal ADA Improvement Grant, Town appropriation	1
2	B.Pursue opportunities to increase ADA/AAB accessibility to the Town’s public facilities and recreation areas.	Integrate ADA/AAB planning and features into all future open space, recreation and development projects.	Commission on Disability, Planning Board, Department of Planning & Development, Department of Public Works	Ongoing Effort	PARC Grant, Municipal ADA Improvement Grant, Complete Streets Construction Grant, town appropriation	1
2	B.Pursue opportunities to increase ADA/AAB accessibility to the Town’s public facilities and recreation areas.	Identify funding opportunities to improve ADA/AAB accessibility within the public realm, including sidewalks and the Town’s recreation facilities.	Commission on Disability, Department of Planning & Development, Department of Public Works, Open Space Committee	Ongoing Effort	PARC Grant, Municipal ADA Improvement Grant, Complete Streets Construction Grant, MassWorks Grant, Housing Choice Community Capital Grant, Town appropriation	1
2	C. Engender community buy-in to accomplish open space and recreation goals and objectives	Ensure all parties specified in this Plan receive a copy of the Plan and understand their responsibilities.	Department of Planning & Development, Open Space Committee	Year 1	N/A	1

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Goal ->	Action ->	<u>Task</u>	Responsible Party	Completion Timeframe	Funding Source	Priority Level
2	C. Engender community buy-in to accomplish open space and recreation goals and objectives	Create “friends of” organizations that can help support, manage and promote specific open space areas.	Department of Planning & Development, Open Space Committee	Year 2-5	N/A	3
2	C. Engender community buy-in to accomplish open space and recreation goals and objectives	Continue to use attractive markers and signage to recognize people, organizations and businesses that donate land and finance recreation improvements.	Department of Planning & Development	Ongoing Effort	Millbury Center Beautification Initiative, Millbury Redevelopment Authority, Town appropriation	3
2	C. Engender community buy-in to accomplish open space and recreation goals and objectives	Establish trail maintenance days where members of the public help clean, clear, and maintain the Town’s existing trail networks.	Open Space Committee, Conservation Commission, Trail Committee	Year 2 & Ongoing Effort	Town appropriation	3
2	C. Engender community buy-in to accomplish open space and recreation goals and objectives	Incorporate the outdoor classroom concept into the public school science curriculum.	School Superintendent’s Office	Year 3	Town appropriation	3
2	C. Engender community buy-in to accomplish open space and recreation goals and objectives	Identify grants and/or funding for field trips for public school students to local conservation areas and for environmental educational programs.	School Department, Conservation Commission, Open Space Committee	Ongoing Effort	Town appropriation, Parents Club Fundraisers	2
2	C. Engender community buy-in to accomplish open space and recreation goals and objectives	Strengthen existing partnerships with conservation organizations/groups to conduct environmental education programming to inform residents, businesses and visitors about Millbury’s natural resources.	Department of Planning & Development, School Department, Open Space Committee, Conservation Commission	Year 4	N/A	2
2	C. Engender community buy-in to accomplish open space and recreation goals and objectives	Revise and update the Action Plan annually so that it reflects Millbury’s changing needs and accomplishments.	Department of Planning & Development, Open Space Committee	Ongoing Effort	N/A	1

Town of Millbury 2020 Open Space & Recreation Plan Update

Seven Year Action Plan Table

Goal 1 – Preserve, maintain, diversify, and enhance Millbury’s open space resources and recreation opportunities.

Goal 2 – Broaden public awareness and increase access to Millbury’s natural and recreational resources.

Goal 3 – Manage Millbury’s water resources to ensure good water quality and quantity for public consumption, wildlife and recreation.

Goal 4 – Improve the Town’s capacity to plan for, protect, maintain, expand, and diversify its natural, open space, recreation, and historic resources.

Goal ->	Action ->	<u>Task</u>	Responsible Party	Completion Timeframe	Funding Source	Priority Level
2	C. Engender community buy-in to accomplish open space and recreation goals and objectives	Begin the planning process of updating the Open Space and Recreation Plan.	Department of Planning & Development, Open Space Committee	Year 7	Planning Assistance Grant, Community Compact Best Practices Program	1
3	A. Improve the water quality of Millbury’s lakes, ponds, rivers, and streams.	Continue careful enforcement of the MA Rivers Protection Act and other stormwater regulations.	Conservation Commission, Planning Board, Ponds and Lakes Commission	Ongoing Effort	N/A	2
3	A. Improve the water quality of Millbury’s lakes, ponds, rivers, and streams.	Prepare watershed management plans for each pond with a TMDL (the Howe Reservoirs, Brierly Pond, and Dorothy Pond) and update them every three years.	Department of Public Works, Department of Planning & Development, Ponds and Lakes Commission	Years 3 & 6	604B Water Quality Management Planning Grant, SNEP Watershed Grant	2
3	A. Improve the water quality of Millbury’s lakes, ponds, rivers, and streams.	Perform water quality testing of impaired water bodies and identify primary causes of impairment.	Department of Public Works, Ponds and Lakes Commission	Ongoing Effort	Water Quality Monitoring Grant	1
3	A. Improve the water quality of Millbury’s lakes, ponds, rivers, and streams.	Complete the remaining phases of the “Armory Village Green Infrastructure Project”.	Department of Public Works, Department of Planning & Development	Year 1-4	Complete Streets Construction Grant, MassWorks Grant, Municipal Vulnerability Preparedness Action Grant, Section 319 Grant, Narragansett Bay Estuary Grant, ARPA Fund, Town appropriation	1
3	A. Improve the water quality of Millbury’s lakes, ponds, rivers, and streams.	Minimize the contamination of waterbodies resulting from municipal activities by sweeping area roads more frequently, properly maintaining catch basins and detention basins and limiting salt applications to roadways.	Department of Public Works	Ongoing Effort	Town appropriation	1
3	A. Improve the water quality of Millbury’s lakes, ponds, rivers, and streams.	Install pet waste stations at all municipal parks, particularly those in the watersheds of Brierly Pond and Dorothy Pond.	Department of Public Works	Year 1-3	Town appropriation	3

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Goal ->	Action ->	<u>Task</u>	Responsible Party	Completion Timeframe	Funding Source	Priority Level
3	A. Improve the water quality of Millbury’s lakes, ponds, rivers, and streams.	Continue to use both electronic and print media to educate homeowners about measures that they can employ to prevent and/or remedy non-point source pollutants. The information could focus on the benefits of and how-to-install a rain garden, minimizing application of phosphorus-based fertilizers to lawns adjacent to waterbodies and wetlands, minimizing lawn waste deposits to waterbodies and wetlands, maintaining septic systems, and fencing livestock away from streams and wetlands.	Department of Public Works, Department of Planning & Development, Board of Health, Aquarion Water Company, Ponds and Lakes Commission	Ongoing Effort	N/A	2
3	A. Improve the water quality of Millbury’s lakes, ponds, rivers, and streams.	Implement a storm drain stenciling program	Department of Public Works	Ongoing Effort	Municipal appropriation	2
3	A. Improve the water quality of Millbury’s lakes, ponds, rivers, and streams.	Encourage property owners to plant woody vegetation along the banks of waterbodies as a means of reducing erosion, filtering polluted runoff, absorbing floodwaters, and slowing water velocity.	Conservation Commission, Ponds and Lakes Commission	Ongoing Effort	Section 319 Nonpoint Source Pollution Grant, New England Forests and Rivers Fund	2
3	A. Improve the water quality of Millbury’s lakes, ponds, rivers, and streams.	Encourage appropriate riverside development and recreational uses along the Blackstone River and its tributary streams. Such uses and development should be designed to accommodate periodic flooding in these areas rather than reduce the flood storage capacity of these low-lying areas.	Conservation Commission, Planning Board, Department of Planning & Development	Ongoing Effort	N/A	3
3	A. Improve the water quality of Millbury’s lakes, ponds, rivers, and streams.	Continue to comply with MS4 Permitting requirements to ensure the Town’s water quality.	Department of Planning & Development, Department of Public Works	Ongoing Effort	Town appropriation	1
3	B. Protect, maintain and, where necessary, improve the quality of Millbury’s wetlands.	Protect inland wetlands and wildlife habitats through the enforcement of the Wetlands Protection Act and floodplain regulations.	Conservation Commission, Board of Appeals	Ongoing Effort	N/A	1

Town of Millbury 2020 Open Space & Recreation Plan Update

Seven Year Action Plan Table

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Goal ->	Action ->	<u>Task</u>	Responsible Party	Completion Timeframe	Funding Source	Priority Level
3	B. Protect, maintain and, where necessary, improve the quality of Millbury’s wetlands.	Encourage owners of wetlands, especially those adjacent to already protected areas and along the Blackstone River and its tributaries, to protect these valuable habitats through donation to the Conservation Commission, private land trusts, or through conservation restrictions that will reduce taxes and provide permanent protection.	Conservation Commission, Planning Board, Planning Department	Ongoing Effort	LAND Grant	3
3	B. Protect, maintain and, where necessary, improve the quality of Millbury’s wetlands.	Work with property owners, developers and engineers to ensure that development proposals will not endanger the health of wetlands.	Conservation Commission, Planning Board, Department of Planning & Development	Ongoing Effort	Conservation Commission & Planning Board technical review fees	2
3	B. Protect, maintain and, where necessary, improve the quality of Millbury’s wetlands.	Involve volunteers (including scouts and science classes) with identifying, mapping, and certifying Millbury’s vernal pools.	Conservation Commission, Department of Planning & Development, Millbury Superintendent’s Office	Year 4	N/A	2
3	C. Ensure adequate quality and quantity of water resources for public consumption.	Acquire and protect aquifers and aquifer recharge areas.	Aquarion Water Company, Planning Board, Department of Planning & Development	Ongoing Effort	Aquarion Water Company, Drinking Water Supply Protection Grant	1
3	C. Ensure adequate quality and quantity of water resources for public consumption.	Distribute a packet of “Best Management Practices” to homeowners and businesses located in Zone II areas so as to educate about ways that they can preserve the quality and quantity of groundwater supplies.	Aquarion Water Company	Ongoing Effort	Aquarion Water Company	3
3	C. Ensure adequate quality and quantity of water resources for public consumption.	Create and maintain high visibility information display at the Municipal Office Building and Library about caring for private wells, septic systems and underground storage tanks.	Board of Health	Ongoing Effort	N/A	3
3	C. Ensure adequate quality and quantity of water resources for public consumption.	Hold an annual collection day for household hazardous materials. Explore possibility of joining forces with another town to reduce costs.	Department of Public Works	Ongoing Effort	Town appropriation	2

Town of Millbury 2020 Open Space & Recreation Plan Update

Seven Year Action Plan Table

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Goal 4 – Improve the Town’s capacity to plan for, protect, maintain, expand, and diversify its natural, open space, recreation, and historic resources.

Goal ->	Action ->	<u>Task</u>	Responsible Party	Completion Timeframe	Funding Source	Priority Level
4	A. Pursue funding opportunities to accomplish open space and recreation goals and objectives.	Create Committee to educate the public and promote adoption of the Community Preservation Act.	Department of Planning & Development, Open Space Committee, Conservation Commission	Year 2	Town appropriation	3
4	A. Pursue funding opportunities to accomplish open space and recreation goals and objectives.	Pursue private, state and federal grants to accomplish plan objectives (See Appendix F for Grant Resources)	Department of Planning & Development, Open Space Committee	Ongoing Effort	Various Funding Sources (See Appendix F for Grant/Funding Resources)	1
4	A. Pursue funding opportunities to accomplish open space and recreation goals and objectives.	Pursue corporate partnerships/advertising at athletic fields and playgrounds for monetary assistance.	Department of Public Works, Millbury Little League, Millbury Soccer Club, Millbury Dog Park Committee	Year 2-4	N/A	3
4	A. Pursue funding opportunities to accomplish open space and recreation goals and objectives.	Continue to use creative fundraising campaigns (i.e. Adopt-A-Pot and Adopt-A-Banner Programs) to solicit funds from local residents, organizations and businesses while simultaneously accomplishing goals and objections.	Department of Planning & Development, Millbury Center Beautification Initiative	Ongoing Effort	Commonwealth Places Grant, Placemaking Grant, Adopt-A-Pot and Adopt-A-Banner revenues	2
4	B. Expand Millbury’s staff capacity to accomplish open space and recreation goals and objectives	Expand the staff capacity of the Department of Public Works assigned to the maintenance of parks and cemeteries.	Department of Public Works, Board of Selectmen	Year 1	Town appropriation	1
4	B. Expand Millbury’s staff capacity to accomplish open space and recreation goals and objectives	Create a Conservation Planner/Agent position in the Department of Planning & Development to coordinate conservation activities, open space acquisition, maintenance of conservation areas and facilities, and enforce the Wetlands Protection Act and Orders of Conditions.	Board of Selectmen	Year 5	Town appropriation, Wetland filing fees	2

Town of Millbury 2020 Open Space & Recreation Plan Update

Seven Year Action Plan Table

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Goal ->	Action ->	<u>Task</u>	Responsible Party	Completion Timeframe	Funding Source	Priority Level
4	B. Expand Millbury’s staff capacity to accomplish open space and recreation goals and objectives	Reestablish the Parks Commission to ensure community input and engagement in decisions pertaining to Millbury’s parks and playgrounds.	Board of Selectmen	Year 1	N/A	2
4	B. Expand Millbury’s staff capacity to accomplish open space and recreation goals and objectives	Ensure relevant boards and committees are fully staffed and meeting regularly. Appoint new members as appropriate.	Board of Selectmen	Ongoing Effort	Town appropriation	1

Appendix H – REVIEW LETTERS

1. Town Manager
2. Millbury Planning Board
3. Central Massachusetts Regional Planning Commission



TOWN OF MILLBURY *Office of the Town Manager*

MUNICIPAL OFFICE BUILDING • 127 ELM STREET • MILLBURY, MA 01527 • TEL. 508/865-4710 • FAX 508/865-0843

EMAIL: townmanager@townofmillbury.net

June 28, 2021

Melissa Cryan
Division of Conservation Services
100 Cambridge Street, 9th Floor
Boston, MA 02114

RE: Town of Millbury 2020 Open Space and Recreation Plan Update

Ms. Cryan,

I have reviewed the Town of Millbury's 2020 Open Space and Recreation Plan and approve of the great work the Department of Planning & Development Staff and the Open Space Committee did to update the Plan to reflect the changing needs and priorities of our community. This document represents an important analysis of our cherished open spaces and recreation areas in Millbury and charts a course to ensure their protection into the future. This update also identifies and incorporates key changes in our community since the Open Space and Recreation Plan was last updated in 2008. Millbury is an ever-changing community and updating this Plan was an important opportunity for us to review the needs of our residents, the conditions of our existing facilities, and to identify some new goals and objectives to pursue in the next seven years.

I would like to thank the Planning Department staff for their hard work in updating the Plan and the Open Space Committee members who volunteered their time to review the Plan and provide critical feedback. This Plan was a community effort, informed by a wide cross-section of residents who took the time to be part of this process. I am proud of the end product and believe this plan will successfully represent and guide the Town for years to come.

I look forward to your review and final approval of the Town of Millbury's Open Space and Recreation Plan 2020 Update. Please do not hesitate to reach out if you need anything.

Sincerely,

Sean Hendricks,
Town Manager



TOWN OF MILLBURY

DEPARTMENT OF PLANNING & DEVELOPMENT

MUNICIPAL OFFICE BUILDING • 127 ELM STREET • MILLBURY, MA 01527-2632 • TEL. 508 / 865-4754 • FAX. 508 / 865-0857

July 28, 2021

Melissa Cryan
Division of Conservation Services
100 Cambridge Street, 9th Floor
Boston, MA 02114

RE: Town of Millbury 2020 Open Space and Recreation Plan Update

Ms. Melissa Cryan,

The Millbury Planning Board has reviewed the Town's 2020 Open Space and Recreation Plan and would like to offer our full support of the plan for your final approval. We appreciate the efforts the Department of Planning & Development and the Open Space Committee have made over the last year or so in putting together a comprehensive document that will serve as a guide for the Town for years to come. As Planning Board members, we understand the importance of well-developed and thorough plans. The Open Space and Recreation Plan Update looked critically at the needs of our community and charted a future that we can work towards to improve the quality and quantity of our recreation and open spaces. We are proud of the community input incorporated into this plan and commend the Open Space Committee on their hard work for the betterment of our community.

We look forward to working the Department of Planning and Development, the Open Space Committee, and the rest of the Town to accomplish the goals set out in the plan and make Millbury a better community for all of our residents.

Sincerely,

Richard Gosselin, Chair
Millbury Planning Board

Cc: Millbury Open Space Committee
Town of Millbury Millbury Department of Planning and Development



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

June 29, 2021

RE: Town of Millbury 2021 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 Millbury and its recently completed 2021 Open Space & Recreation Plan. The Town and its Open Space Committee (Committee) are to be commended for their hard work putting this Plan together.

The Town and Committee, 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 Millbury continues to be a desirable place to live and examines the demand and pressures associated with residential development. Millbury 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 protect and improve the Town's important landscapes, recreation facilities, and historic buildings. Additionally, this Plan acknowledges the public's desire to preserve Millbury's scenic, cultural, and ecological resources.

Millbury'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 board, commissions, land trusts, and private landowners, are included in the plan and referenced in objectives. The Town of Millbury 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. The Town and Committee have completed a community survey and two public forums. We find that the Town has provided the community a sufficient amount of public input opportunities. We find Millbury's Plan to be fully consistent with the goals and objectives outlined in the Town's recent comprehensive planning projects, 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 Millbury with a comprehensive analysis of the larger region, this OSRP will significantly help the Town due to the amount of local knowledge that it includes.

Sincerely,

A handwritten signature in black ink, appearing to read "Trish" followed by a stylized, elongated flourish.

Trish Settles, AICP
Regional Collaboration and Community Planning Deputy Director

Cc: Millbury Open Space Committee
Millbury Planning Board
Millbury Board of Selectmen