Mansfield, MA



Municipal Vulnerability Preparedness (MVP) and Community Resilience Building Workshop Summary of Findings

January 2019

Submitted by:











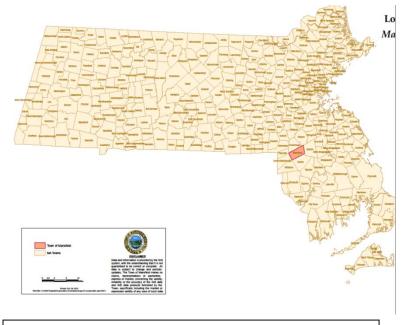
Overview

Mansfield is a town of over 23,000 residents in northwestern Bristol County, MA. Its neighboring towns include Easton to the east, Sharon to the northeast, Foxboro to the north, North Attleboro to the west, Attleboro to the southwest, and Norton to the south (see map from Mansfield's 2017 Open Space Plan). It is located about 28 miles south of Boston, 14 miles from Brockton, and 19 miles from Providence, Rhode Island. This inland community has collaborated with neighboring towns to steward shared natural resources, namely through the Canoe River Aquifer Advisory Committee (CRAAC).

Much of Mansfield is low-lying, and its proximity to critical water bodies like the Canoe River and Rumford River makes effective household and municipal water management systems important. The increasing severity of the regional **flood-drought cycle** is noted as a top concern to many residents. Regionally unique ecosystems like the Great Woods offer multiple benefits to the surrounding community and must be actively preserved against climate hazards. In addition to the flood-drought cycle, **heavy precipitation**, **high winds**, **and extreme temperatures** have severely impacted Mansfield's various assets. The town sees collaborative planning as the most effective way to ensure the future safety of town residents, and the protection of critical shared resources. This value of collaboration is seen in Mansfield's leadership as part of an emerging regional group of open space experts working to coordinate conservation efforts.

To help the town consider and prioritize actions to improve its climate resilience, the Town of Mansfield applied for and received a grant from the Massachusetts Executive Office of Energy and Environmental Affairs (EEA) to become a Designated Municipal

Vulnerability Preparedness (MVP) Community. Core members of the Resilient Taunton Watershed Network (RTWN) were tasked with coordinating the workshop, specifically the Southeast Regional Planning and Economic **Development Division** (SRPEDD), who acted as Mansfield's MVP Provider. Staff from The Nature Conservancy, Manomet, and Mass Audubon supported the Community Resilience Building (CRB) workshop process as certified MVP providers and members of



Map taken from Mansfield's Open Space Plan

RTWN. These planning workshops took place on two consecutive Tuesdays, January 8 and 15, 2019 at Mansfield Town Hall.

Stakeholders from Mansfield were present as workshop participants, including members of the Planning Department, Information Technology Department, Building Department, Conservation Commission, Fire Department, Police Department, Mansfield-Foxboro-Norton Regional Wastewater District, Geographic Information Systems Department, the Massachusetts House of Representatives, Mansfield Electric, Conservation Department, and the Department of Public Works. Attendees were divided into two distinct groups that remained consistent in both workshops. Each group identified features in Mansfield visually with a map (Appendix A), and verbally on a matrix (Appendix B).

Each feature was related to hazards that the town is concerned about and participants determined whether a particular feature was considered a vulnerability or a strength in the face of these hazards. Each item listed on a group's matrix was numbered, and corresponded to a numbered dot they placed on their map. Three colors used on the map visually represented the different feature categories of infrastructural (red), environmental (green), and societal (blue).

Through facilitated discussion, workshop attendees:

- Defined top local natural and climate-related hazards of concern;
- Identified existing and future strengths and vulnerabilities;
- Developed prioritized actions for the community;
- Identified immediate opportunities to collaboratively advance actions to increase resilience.

Four striking themes that emerged from the working groups were the need for **Continued Emergency Planning**, protecting the **Canoe River Aquifer**, assessing **bridges and dams**, and assessing **housing authority needs**. An important takeaway from the workshops was the need for ongoing comprehensive planning to make the most of local knowledge. **Public education** on multiple topics was identified as an imperative to ensure effective implementation of projects that were identified. Overall, relationship maintenance within Mansfield was identified as a basis for a stronger community and region.

Top Hazards and Vulnerable Areas

Participants discussed past hazards they have experienced and came to a consensus on the top four natural hazards to their community. Natural hazards were presented to the workshop participants as observable impacts of climate change Hazards of highest concern included:

- Flood/Drought Cycle
- Heavy Precipitation
- High Winds
- Extreme Temperatures

Flood/Drought Cycle describes concerns about the trend toward increased volume of precipitation during fall and winter months, impacting the Rumford River and local pond systems as well as built infrastructure. Even after a wet fall, winter, or spring, drought during summer months can limit available public water. Given that Mansfield depends on a local drinking water source, water quality and quantity are of high priority for the community. Increased precipitation causes infrastructure and water quality issues, while droughts threaten adequate availability. Both are intensified over time by climate change.

Heavy Precipitation

addresses the infrastructure strain and public safety concerns related to large rain and snow events. Acute storms or rain events are bringing increasingly high volumes of precipitation over shorter periods of time, creating flood conditions. Aging dams and culverts struggle to manage large volumes of water and runoff from precipitation events. This contributes to nitrogen loading in Zone II of some public water supply wells and ongoing nonpoint source pollution.



Galen Laurence (The Nature Conservancy) discusses natural hazards with participants at the start of Mansfield's Planning Workshop.

High Winds are a concern because trees frequently fall and limit road access for residents and emergency personnel. High wind also threatens existing power infrastructure, and though Mansfield's municipal power provider responds consistently to outages, the town would like to prevent future disruptions caused by tree fall.

Extreme Temperatures refers to an increasing number of days over 90 degrees as well as cold snaps during winter and in early spring. This hazard relates somewhat to flood-drought cycle changes with distinct impacts to limited public water availability during droughts, damage to native habitat from fire, and the strain on populations with limited access to seasonal heating/cooling locations during extreme cold and extreme heat.

Categories of Concern and Current Challenges

Several locations and features in town were identified as important strengths, notable vulnerabilities, and some could be considered both a strength and a vulnerability. Infrastructure and resource disruptions are the outcomes attendees are most concerned about, especially considering the dependency on a local sole source aquifer for the majority of drinking water in the region.

Prioritization (high, medium, low) and time anticipated to address each concern is indicated in the digitized matrices (*Appendix C*). Groupings of concerns discussed at length by participants include:

Dams, Bridges, and Culverts throughout town

Mansfield possesses a mix of updated and aging infrastructure. To ensure safe and optimal function of the various dams, bridges, and culverts the town must identify which features need updating through a comprehensive assessment. Dams of most urgent interest to the town include Sweets Pond, Cabot's Pond, and Mill Pond. Culverts that attendees stressed as highly vulnerable to flooding and backup included the ones at East Street, Winthrop Street Parking Lot (box culvert), Franklin Street, East Street, Plain Street (three-sided), Otis Street, County Street, and School Street. The School Street bridge/culvert is flagged as a priority location also, due to its flooding impacts on the Plymouth Street Fire Station when it backs up.

Local Aquifer and the Rivers/Wetlands in its Network of Water Bodies

Participants noted that much of the public water consumed by Mansfield is transferred out of the recharge area of the Canoe River Aquifer. Wetlands along North Main Street, County Street, and Canoe River Drive absorb runoff from upstream in their respective parts of town, which impacts the entire aquifer system.

Housing Authority Buildings and Resident Safety from Hazards

Multiple municipal and state-owned buildings are important resources for residents of Mansfield. Housing Authority buildings specifically at Park Street, Eddy Street, Hawthorn Court, and Bicentennial Court are of interest to ensure that residents have access to air conditioning during increasingly hot summers (see *Appendix D*), perhaps similarly modeled after the town's heating assistance program.

Resources for Environmental Justice Populations

The Council on Aging (COA) is a popularly utilized resource for its programming, ride share availability, and function as a cooling shelter. Cooling shelters are particularly critical to low income households who cannot acquire a cooling systems at home, and for aging residents whose health can be quickly impacted by extreme heat. The town library is connected to the COA and the site is experiencing erosion on the stream side of the building. The library is also a major venue for public engagement that residents have equal access to, barring transportation barriers.

Current Strengths and Assets

Mansfield is well acquainted with the many strengths it leverages to manage the risks that natural hazards pose. Bolstering and further supporting existing assets into the future will build local resilience and increase local capacity to address vulnerabilities. The following list of strengths/assets are essential for adapting to the impacts of a severe flood/drought cycle, high winds, strong storms, and extreme temperatures:

Infrastructural Strengths

- Mansfield Capital Improvement Funds are used annually to update infrastructure, namely roads. Updated infrastructure is another strength in itself, and will grow as more is updated over time. The town's Capital Improvement Committee itself is cited as a strength.
- New Emergency Operations Center, Mansfield's latest public safety building on Route 106 is anticipated to be completed by spring/summer of 2019. It will have new telecommunications and IT systems to support Mansfield's emergency response.
- Mansfield Electric, the town's public utility, is a huge asset in its responsiveness to power outages and overall trust-based relationship with the community.
- New wells added to the water supply system and updates to existing wells builds resilience in the drinking water infrastructure.

Environmental Strengths

- The Canoe River Aquifer was named both a strength and a priority vulnerability by the group. Decades of ongoing land protection work has been done to preserve water quality around the aquifer and other ecosystem services in the region.
- Public open space is an asset despite management challenges for the recreation opportunities and ecosystem services it offers (e.g. habitat, air quality improvements). Open space includes The Canoe River Conservation Area Greenbelt that runs along portions of the Rumford River, The Great Woods, Corporal Hardy
- Policies to maximize on-site strormwater management are another strength for the local environment. The Mansfield Conservation Commission requires downspouts and drywells for any residential projects that it reviews
- Community consciousness of environmental assets and the benefits of conservation was cited as a strength.

- The current land use bylaw created by Mansfield's Environmental & Conservation
 Planner to control erosion caused by runoff and non-point source pollution was also
 referenced.
- Various recreational facilities such as Plymouth St Soccer field, Otis Street, Memorial Park, provide community space to gather and a welcoming environment for families.
- The Pond at Mansfield Crossing retains water and serves as an important habitat area.

Societal Strengths

- Mansfield Housing Authority is both a priority vulnerability and a strength in Mansfield. Its prioritization reflects the critical resources it provides to residents.
- The Council on Aging is important as a community gathering space and way to disseminate information to residents, but is also vulnerable to flooding and erosion.
- Maintenance and consistent updates of town webpages allow residents to engage with changes in Mansfield, and social media presence increases accessibility of information by diversifying sharing platforms.
- School emergency planning is robust. Mansfield Schools will implement a new communication system through a recently awarded grant. Wheaton College in Norton has additional sheltering capacity and has a history of cooperation with surrounding towns.

A complete list of strengths and assets can be found in *Appendix C* in the digitized feature matrices.

Top Recommendations to Improve Resilience

Two days' worth of discussion was whittled down into several thematic priorities that workshop participants agreed were urgent for Mansfield's resilience. Once actions were generated related to the list of strengths and vulnerabilities, each of the two groups identified their top three actions with their facilitator. The two groups then shared their top themes, which overlapped organically. Facilitators then led a discussion with all attendees to best incorporate each group's suggestions into common themes.

Participants were encouraged to consider action items that mitigated hazards through strengthening natural systems and processes, to complement technological or built fixes. An action that limits damage from natural hazards through conserving existing lands, integrating benefits of nature where they are critically needed (e.g. flood storage, air quality improvements) into ongoing construction, or restores an ecosystem where it has been disrupted, is referred to as a **Nature-based solution**. Nature-based solutions (NBS) are a category of emerging strategies in climate adaptation and their exploration is of interest to the Commonwealth of Massachusetts as a national leader in comprehensive hazard mitigation. Effectively implementing NBS requires community planning to integrate built infrastructure and the natural environment in mutually reinforcing ways.

The workshops' four emergent themes included bolstering emergency preparedness/response, stewardship of the Canoe River Aquifer, assessing Dams and Bridges, and assessing capacity of Mansfield Housing Authority/nearby community spaces. Ultimately the group named specific themes that need to be addressed through many incremental actions:

Emergency Preparedness

- Provide portable backup generators and other emergency response equipment to the Department of Public Works
- Improve evacuation planning and communication with the public
- Create a reverse 911 system similar to the existing public school communications system; allow residents to opt-in
- Improve telecom infrastructure in general; between the municipal government and public as well as interdepartmentally for resilience during emergencies/evacuations
- Create hazard signage on roads throughout town to increase public awareness of vulnerable areas

Canoe River Aquifer Protection

- Continue local workshops with Canoe River Aquifer Advisory Committee (CRAAC) to increase outreach, tax payer education through local cable and other outreach
- Integrate upcoming MS4 permitting process with goals of increasing stormwater infiltration across town

- Highlight importance of keeping local water local for better water quality and increased quantity
- Draw attention to the connection between the Three Mile River and the Taunton River through public education, special focus on middle school aged students
- Review existing bylaws in order to encourage conservation and water quality preservation, particularly through enhancing Zone II restrictions for fertilizer use in residential areas

Dams and Bridges

- Complete a baseline assessment of dams and bridges; fill in gaps of existing assessments done at different frequencies around town
- Create a more consistent methodology for monitoring and maintaining critical infrastructure
- Create evacuation plans for communities near dams considered vulnerable to hazards, informed by baseline assessment

Resources for Vulnerable Populations

- Assess baseline facilities of Housing Authority to serve the current population's needs and future capabilities (e.g. sufficient heating/cooling stations to meet demand during extreme temperatures, sufficient backup power for those facilities)
- Assess adequacy of space in Town Library and Council on Aging in shared building
- Supplement, where it is more economically efficient, AC/heating

Additional High Priority Actions

Mansfield's Forestry Management Plan can continue to develop in order to enhance the multiple benefits of tree cover while mitigating hazards. Mansfield's power grid and Electric Department are huge assets, and maintaining the resiliency of this system will require proactive vegetation management. Two high priority sites flagged for their strategic management needs are the Maple Street and Ware Street areas. Both have had red pines that were eliminated by blight. Both areas are nearby the Canoe River, with a section of Maple Street being a drinking water well field. Both areas pose fire risks with dead trees on site, which also slow the succession of other tree species while they're not managed.

Continue the Board of Health's monitoring and outreach work around fats, oils, and grease that cause sewer system back up. While new regulations effective January 1, 2019 are being enforced to manage contaminants that enter the sewer systems via local businesses, workshop participants recognize the importance of a long-term business and resident education campaign.

Supporting Mansfield Department of Public Works (DPW) with additional resources is critical for responding to natural hazards. Specifically, portable backup generators and portable pumps to respond to flooded buildings and buildings without power are needed. The DPW was repeatedly acknowledged during these Planning Workshops for its

contributions to Mansfield's overall resilience, and more support is needed to respond to increasingly frequent and severe hazards.

Outreach and education around vector-borne diseases carried by ticks and mosquitos are another high priority for Mansfield. The town uses Bristol County Mosquito Control Project's spraying services in the interest of public health. At the same time, impacts of insecticide spraying each season has adverse impacts on local water quality. Education to the public about staying safe from ticks and mosquitoes while minimizing spraying is critical for the community's long term health.

In making these recommendations, this cohort generated an array of potential actions that related back to the themes identified by facilitators. A complete list of actions generated by the groups, along with their prioritization can be found in *Appendix C*.

CRB Workshop Participants

<u>Name</u>	Affiliation
Laurie Anderson	Mansfield Electric
Shaun Burke	Mansfield Planning Dept
Chris Rostier	MFN Wastewater
Jennifer Davis	Mansfield Planning Dept
Sacha Zlatkova	Mansfield IT
Bob Blackman	Mansfield Building Dept
Xia Jin	MIS/GIS
Rick Alves	Town Engineer
Michael Healey	Conservation
	Commission
Neal Boldrighini	Fire Department
Katelyn Gonyer	Conservation
	Planner/Agent
Mark Cook	Department of Public
	Works - Highway
Brian Thibault	Mansfield Police Dept
Jay Barrows	MA House of
	Representatives

Citation

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Acknowledgements

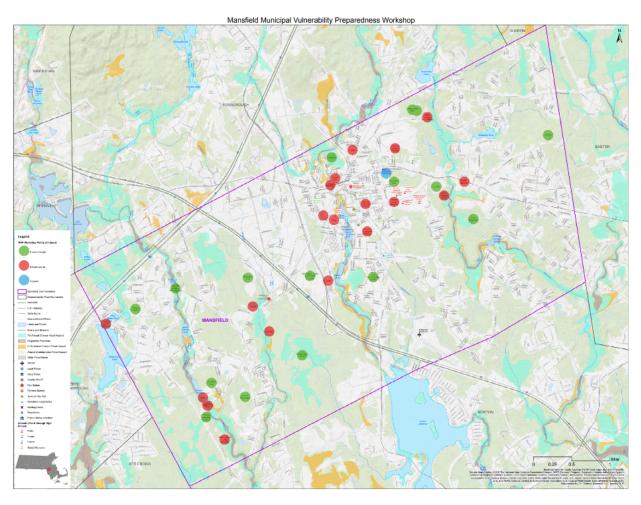
The Mansfield Core Team and Facilitation Team would like to thank the following for their contributions to the MVP Workshop process: Mansfield Town Hall staff for providing a wonderful meeting space, assistance with room set-up, and tech support; the Commonwealth of Massachusetts, EEA, Municipal Vulnerability Preparedness Program for their funding support for these workshops, and; all of those who participated in the workshops and contributed to the plan resulting from these workshops.

Appendices show different methods of recording the same vulnerabilities and strengths named by workshop participants through mapping and prioritized lists. Small groups recorded infrastructural, environmental, and societal features in Mansfield and which hazard(s) they relate to. Each feature category (infrastructure, environment, society) was documented on a separate matrix (see Appendix B and C for complete lists). On these short lists, or matrices, action items were identified corresponding to each feature that was named. Each action was then assigned a high, medium, or low priority value and expected short-term, long-term, or ongoing time frame to complete.

To account for spatial relationships between features, participants simultaneously placed points on a map that corresponded to items they named on the different matrices. Infrastructural features are indicated with a red point, environmental with a green point, and societal with a blue point. Items on the map are also labeled for what they represent from the written list, but do not represent prioritization or associated action(s).

Appendix A

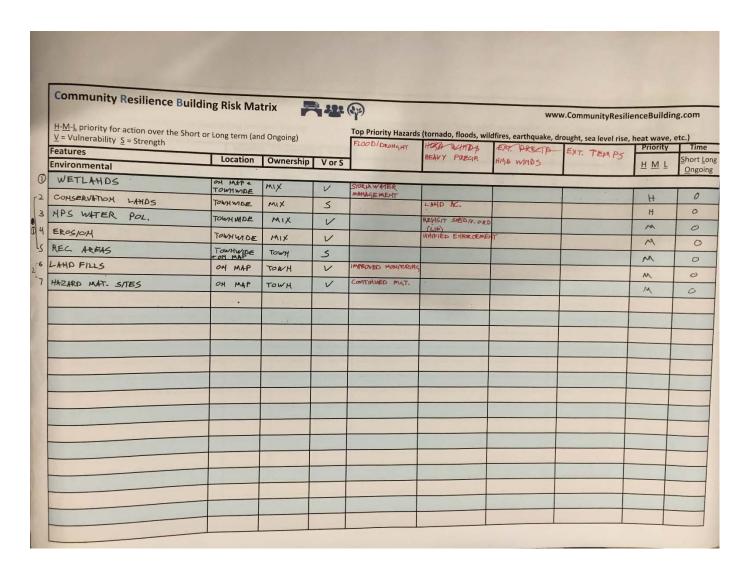
Map of Mansfield, with points of interest (POI) in different colors. During the workshop discussions, participants marked POI on a map to show the spatial distribution of features that are listed on each of their matrices (shown in *Appendix B* and *Appendix C*). Points marked with red dots indicate infrastructural features, green indicates environmental, and blue indicates societal, both working group points are combined on one map.



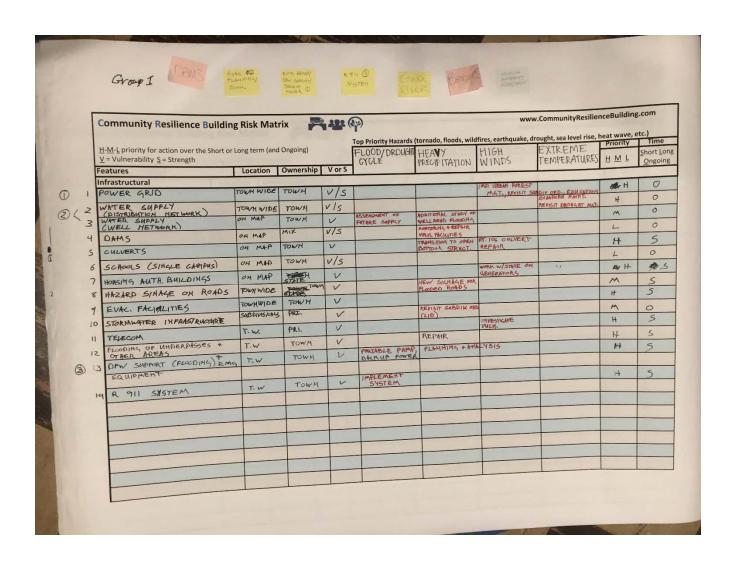
Appendix B

Photos of matrices used by each group to list features in town that are impacted by natural hazards. Natural hazards of concern are listed across the top, on the right side of the matrix. Feature names and details are written in black ink, action items and prioritization are written in red ink.

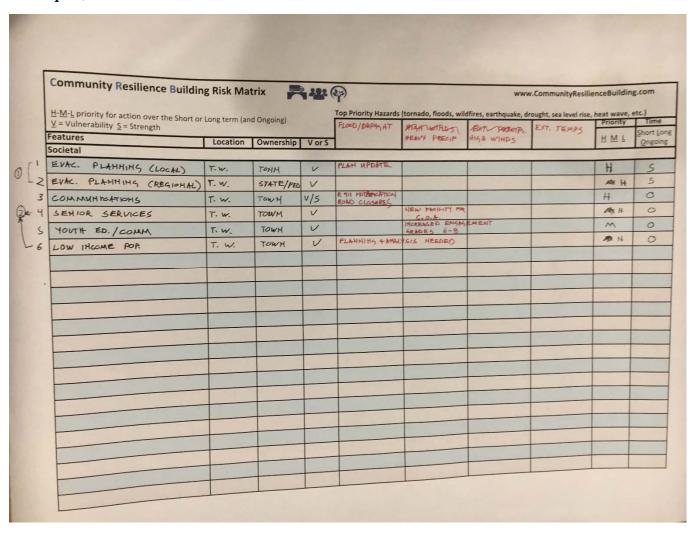
Group 1, Environmental



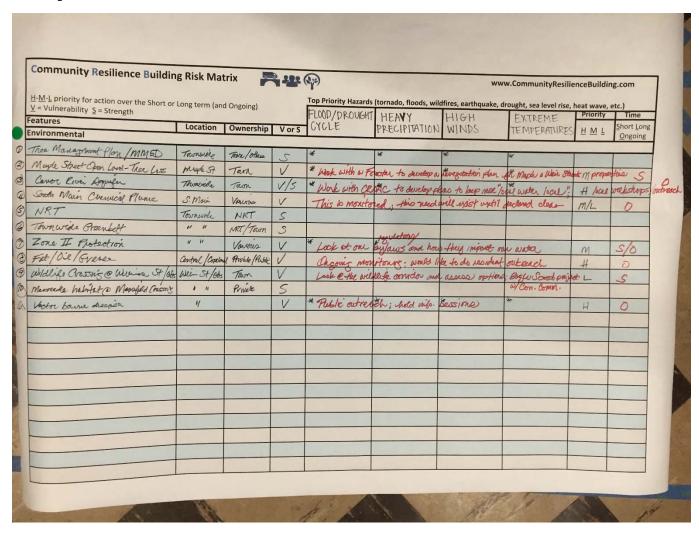
Group 1, Infrastructural Features



Group 1, Societal Features



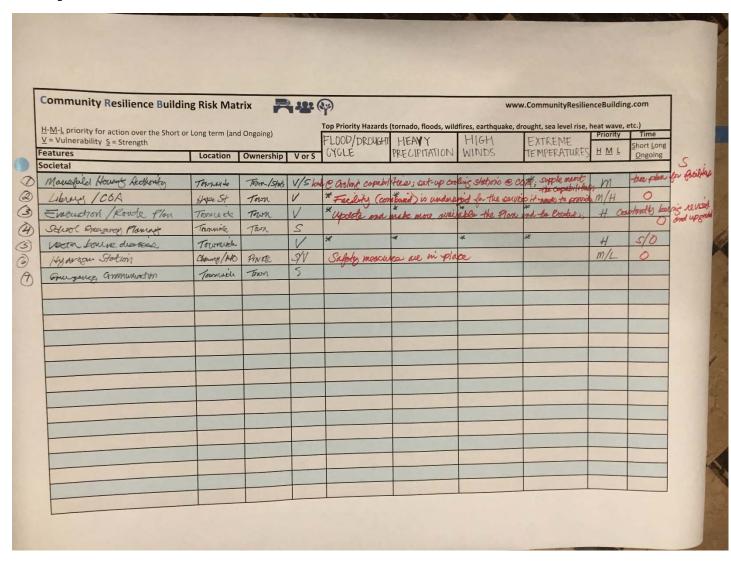
Group 2, Environmental Features



Group 2, Infrastructural Features

Community Resilience Bui		W-158	4 78:	the same of			v.CommunityResilie	
H-M-L priority for action over the Sho V = Vulnerability S = Strength	rt or Long term (an	d Ongoing)		FL60D - DROUGHT		HIGH WINDS	rought, sea level rise,	
Features	Location	Ownership	VorS	CYCLE				HML
Infrastructural					ALL IN COLUMN	ALC: NO.	1	
Sweets Pord Dam	Otis St.	Town prints	V	* antict owner	(webs rights) and	ER about a feareby	Total cotolog	14
All Dome (Observe)	Townwide	Varias	V/5	* Access all a	The retail Sattle	betry or lovel and	develop plans	m
Culvert @ Winthrop	Winth rop & Handand	Toron	V/5			stagrety of the sob		W
Franklin & East St.	Town Krada	Tron	V			Control to done		#
Three siled culvert o Plays S	I Town gin	Tour	V			this should be		m/H
Copeland Dr. underpase	Copeland	state	V	* Pump & genera	tor voices; cla	n and maintain	drawino (Mass DOT)	orantow
WWTP Pump Stations	Townwide	Town	S					
Electric Company	- Your wide	Toron	S					
Emergoray Communication (Town	5					
Bridge Short Spar Bridg	is Tourwide	Town State	V/5	* Assessment of	all bridges not re	ently addressed; of	bring St is priorly	H/m
C. 1. P. W/ funding for 1500	e Townwale	Town	5					
Motor Training Facility	East St.	Regional	V/S					
Police / File / DAW compley	East St.	Town	5					
Water Systom	Townwide	Town	5					
North Main St Underpass	N. Maria	town	V				sh for a generate	ינטי
				Develop an	overall pumping	plan for use	upaseo	

Group 2, Societal Features



Appendix C

These tables are identical to matrices photographed in Appendix B and are reformatted for convenient data entry. Features are characterized as a vulnerability (V), strength (S), or both (V/S).

Digitized feature matrices, Group 1

			<u>v</u>	Flood/	<u>Heavy</u>		<u>Extreme</u>		
Footures	Location	Owner- ship	or S	Drought Cycle	Precip- itation	<u>High</u> Winds	Temp-	Duiouitu	Time
<u>Features</u>	Location	SIIIP	<u> </u>	<u>Cycle</u>	<u>itation</u>	villus	<u>eratures</u>	<u>Priority</u>	<u>Time</u> SLO
								<u>HML</u>	(short,
								<u>(high,</u>	long,
								med,	on-
<u>Infrastructural</u>				<u> </u>				<u>low)</u>	going)
				-	forest managem				
Power Grid	Town- wide	Town	VIC	ordinances, Inc	rease education	to the publ	ic	Н	o
Power Grid	wide	TOWIT	V/S					П	0
Water Supply (Distribution	Town-	T	V/C	F=h====d ====				l	0
Network)	wide	Town	V/S	Ennanced man	agement, revisit	arougnt ma	anagement	Н	U
				Assessment	Additional stud	dy of wellhe	ead flooding		
Water Supply (Well	0.14	. .	.,	of future				١.,	
Network)	On Map	Town	V	supply				M	0
Dams	On Map	Mixed	V/S	Monitoring + repair vulnerable facilities				L	О
Dailis	On wap	IVIIXEU	V/3	vuillerable racii	Transition to	Route		-	U
					open	106			
		_			bottom	Culvert		l	
Culverts	On Map	Town	V		structures	repair		Н	S
	0.5 145.5	T	V/C					١.	
Schools (single campus)	On Map	Town	V/S					L	0
					Work with stat	te on			
Housing authority					acquiring more	9			
buildings	On Map	State	V		generators			Н	S
				New signage fo	r flooded roads				
	Town-								
Hazard signage on roads	wide	Town	V	,				M	S
	Town-				ain capacity and nate additional s			1	
Evacuation facilities	wide	Town	V	necessary	iate additional S	nenennig Id	CIIILIES dS	н	s
				,					
					ion ordinance to	incorporat	e low		
	Subdiv-			impact develop	ment				
Stormwater infrastructure	isions	Private	V					М	О

	I			I				1
Telecommuni-cations	Town- wide	Private	V	Investigate vulr network	Н	S		
Flooding of underpass + other areas	Town- wide	Town	V	Repair infrastru	icture in flood pr	н	S	
DPW Support (flooding) +	Town-	Town		Provide portable pump and backup power	Complete ad	ditional		
EMT Equipment	wide	Town	V	sources	planning + a		н	S
R 911 system	Town- wide	Town	V	Implement system		,	Н	S
<u>Environmental</u>								
	On Map + Town-			Stormwater				
Wetlands	+ Iown- wide	Mix	V	Stormwater Management			н	О
	Town-				Land			
Conservation lands	wide	Mix	S		Acquisition		н	0
Non-point Source Water	Town-				Revisit subdivision incorporate (Lo	ow		
Pollution	wide	Mix	V		impact bevelo	pinenti	М	О
Erosion	Town- wide	Mix	V		Unified enforcement		М	0
	Town- wide + on							
Recreation areas	map	Town	S				М	0
Landfills	On Map	Town	V	Improved monitoring			M	0
				Continued				
Hazardous Materials Sites	On Map	Town	V	management			M	0
<u>Societal</u>								
Evacuation planning (local)	Town- wide	Town	v	Plan update			Н	S
Evacuaction Planning (regional)	Town- wide	State/fed	V				Н	S
Communi-cations	Town- wide	Town	V/S	R 911 notification road closures			н	0
Senior Services	Town- wide	Town	v		New facility for COA		Н	0
Youth Education/Communication	Town- wide	Town	V		Increased engagement grades 6-8		М	0
Low income populations	Town- wide	Town	V	Planning + analysis needed			Н	0

Digitized Feature Matrices, Group 2

Features	Location	Ownership	<u>V</u> <u>or</u> S	Flood - Drought Cycle	Heavy Precip	High Winds	Extreme Temps	Priority	Time
								HML	SLO
								(high,	(short,
								med,	long,
<u>Infrastructural</u>	•		1					<u>low)</u>	ongoing)
Sweets Pond Dam	Otis St.	Town/Private	V	Contact own feasibility st	udy	Н	S		
All dams (observe)	Town-wide	Various	V/S	Assess all da develop plan		atisfactory o	or lower and	М	0
Culvert @	Winthrop &	Tourn	V/S	Inspect and structure	determine	y of the	N.4	S	
Winthrop Culvert @	Highland East	Town	V/3	Structure				M	3
Franklin & East St.	Street/Franklin Street	Town	V	For public sa replaced	afety conce	rns, this sho	uld be	M/H	L
Three sided culvert @ Plain St.	Town/Plain Street	Town	V	Pump & gen				M	L
Waste Water									
Treatment Plant Pump Stations	Town-wide	Town	S						
Electric Company	Town-wide	Town	S						
Emergency Communication (Emergency Operations Center)	Town-wide	Town	S						
Bridge/short span				Assessment	of all bridge				
bridges	Town-wide	Town/state	V/S	addressed; S		H/M	S/O		
Capital Investment Plan with funding for roads	Town-wide	Town	S						
Metro Training Facility	East St.	Regional	V/S						
Police/fire/DPW									
complex	East St.	Town	S						
Water system	Town-wide	Town	S						
North Main St. underpass	N. Main	Town	V	Electrical sw switch for a pumping pla	generator;	М	S		
_									
Environmental									
Tree									
Management Plan/MMED	Town-wide	Town/other	S						
Maple Street Open Land - Tree Loss	Maple St	Town	V	Work with a plan for Ma		M	S		
Canoe River Aquifer	Town-wide	Town	V/S	Work with C more "local workshops/	water local		to keep	н	0

	1	1	1	1				1	1
South Main	South Main			This is monit	ored this	need will ev	ist until		
Chemical Plume	Street	Various	V	declared cle	,	M/L	0		
Natural								<u> </u>	
Resources Trust	Town-wide	NRT	S						
Townwide									
Greenbelt	Town-wide	NRT/Town	S						
				Look at our					
				regulatory b	•				
		., .	l	and how the	y impact			l	6.40
Zone II Protection	Town-wide	Various	V	our water			<u> </u>	M	S/O
Fat/Oil/Crasss	Control/Concland	Drivete /Dublic	V	Ongoing mo	nitoring; w	oula like to	do resident	l	
Fat/Oil/Grease	Central/Copeland	Private/Public	V	outreach Look at the	vildlifa com	idor and ac	cocc	Н	0
Wildlife crossing				options; bui					
at Weir St/Otis	Ware St/Otis St	Town	V	Conservation	•		CL WILII	L	s
Manmade habitat	11 41 6 54 5 615 50			2011321 14110	50111111331			-	
at Mansfield	Mansfield								
Crossing	Crossing	Private	S					L	0
_							•		
Vector borne									
disease	Town-wide		V	Public outre	ach; hold ir	ıfo sessions		Н	0
<u>Societal</u>									
		1	T						
Mansfield				Examine cod			_		
Housing	.	T- /61-1-	\ //C	stations @ C					
Authority	Town-wide	Town/State	V/S	capabilities;		М	S		
				Facility (com	,				
Library/COA	Llono Ct	Tour	V	services it no demand	eeas to pro	M/H	0		
Library/COA	Hope St.	Town	v	uemanu				IVI/ \square	
				Update and	make more	available t	he Plan and		
Evacuation/Route				the Route; c	onstantly b	eing revised	d and		
Plan	Town-wide	Town	V	updated		1	Н	0	
School									
emergency	.								
planning	Town-wide	Town	S	-					
Vector borne diseases	Town-wide		V	*	*	*	*	н	s/o
uisedses	Chauncy/Route		V	Safety meas				П	3/0
Hydrogen station	140	Private	S/V	measures	ui es di e ill	piace, coill	iiuc	M/L	0
Emergency	2.0		5, 1					, =	+
communication	Townwide	Town	S						
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Appendix D Climate Change Impacts – Observations and Projections in the Taunton Watershed

