



# Community Resilience Building Risk Matrix

## Top Priority Hazards

**H-M-L** priority for action over the **S**hort or **L**ong term (and **O**ngoing)

**V** = Vulnerability **S** = Strength

Features	Location	Ownership	V or S	Coastal flooding and sea level rise	Extreme storms	Extreme temperatures	Drought	Priority	Time
								H - M - L	Short Long Ongoing
<b>Infrastructural</b>									
Existing sea walls and coastal protection	Coastline	Public	V	Study reconstruction of sea walls, incl future land use and level of protection.				H	O
Local and regional infrastructure, including pump stations, power facilities, evacuation routes, boat landings, and drainage systems	Townwide	Public	V/S	Conduct infrastructure assessment study that assesses regional and local resilience to the threats of climate change.				H	S
Stormwater infrastructure and drainage	Townwide	Public/Private	V	Invest in improved storm water management and address areas with poor drainage				H	S
Wessagusset Elementary School	Pilgrim Road	Public	V	Conduct hazard mitigation study. Check mechanicals and vulnerability.				H	S
Dams, including Great Pond, Witman's Pond, Iron Hill, and others	Various	Public	V	Assess vulnerability (incl Pond Meadow dam). Continue to maintain and inspect, and repair as necessary				H	O
Low-lying roads, including Fort Point, Fore River, Wess. Beach Rd., Ocean Ave, Neck St., and Sea Street	Coastline	Public	V	Study climate adaptation options				M	L
MBTA commuter rail station at Weymouth Landing	W. Landing	State	V	Ensure that MBTA is prepared for climate change and other hazards				M	L
Housing for low income residents, elderly and other vulnerable populations	Townwide	Various	V			Prepare for increased heat with AC and generators		M	L
MWRA emergency water supply connections	Townwide	Public	S				Maintain, ensure compatibility	H	O
South Shore Hospital	Fogg Road	Nonprofit	S	Employ policies to ensure that the hospital stays viable for community resilience				H	O
<b>Societal</b>									
Elderly population	Townwide	N/A	V	Create a communications plan for raising awareness about hazards. Maintain a database of populations for Code Red announcements.				H	S
Vulnerable populations, including disabled and mobility impaired	Townwide	N/A	V	Create a communications plan for raising awareness about hazards. Ensure that shelters are sufficient to address their needs.				H	O
Understaffed Department of Public Works, Fire, and Police departments	Townwide	N/A	V	Ensure staffing levels are adequate for the community's needs				H	O
Population along shoreline, including repetitive loss homes	Coastline	N/A	V	Find short- and long-term solutions to repetitive loss areas, potentially including land use change				M	L
Weymouth Neck population	W. Point	N/A	V	Ensure that this population is not isolated during flood events by addressing low-lying roads and/or effectively communicating risks.				M	L
National Guard Support	Townwide	Nat'l Govt	S	Continue to maintain				H	O
Active emergency management department	Townwide	Town	S	Continue to maintain and support.				H	O
Emergency shelters and evacuation plans	Townwide	Town	S	Equipe shelters to provide services to vulnerable populations and to deal with extreme heat.				H	O
<b>Environmental</b>									
Managing public water supply and Herring Run water needs	Whitman's Pond	Public	V		Developing tools to better manage the resource, i.e. extend the ACEC to protect public water supply			H	S
Brownfields and hazardous materials in flood zones	Various	Various	V	Push to clean flood prone properties before sea level rise causes complications				H	L
Wellfield for drinking water treatment plant	Winter St.	Public	V		Improve runoff water quality to reduce sodium intrusion			M	O
Comprehensive floodplain mapping at Union Point	Union Point	Private	V	Without flood mapping, the potential threat to Weymouth posed by development at Union Point could be high				H	S
Water use reduction programs	Townwide	Public	S/V	Continue to maintain. Expand where feasible.				M	O
Coastal wetlands and estuaries	Coastline	Various	S	Continue to maintain. Expand where feasible.				H	O
Parks along coastline, incl Back River conservation area	Back River	Public	S	Continue to maintain. Expand where feasible.				H	O