#### Attendance:

Michelle Rowden- EOEEA
Jennie Moonan - Weston & Sampson
Dave Langlais - Hoyle Tanner
Nichole Davis - Hoyle Tanner
Leah Basbanes - Selectboard & ConCom
Jason Silva - Town Admin
Eric Hoar - Dunstable PD
Bridget Baley - Health Agent
William Farrell - Dunstable FD
Dave Tulley - Highway Department
Mike Martin - Roadway Commissioner
John O'Brien - Water Commission
Maria Amodei - Board of Health

#### Notes:

Jennie conducted introduction to the project. Grants are key to this project/process. \$3M maximum for single for climate / nature-based solutions. \$5M for regional (multiple communities) submission. Also allows you to apply for FEMA BRIC program funding.

Projects could include GIS gaps, etc.

FEMA/MEMA projects like generators, etc. could potentially been funded through this program

Meetings will be with the core team, 3 public meetings (1 is public input session, CRB input, and 1 public listening session).

This process we need to identify the issues/concerns... we don't need a solution to identify the problem.

MVP is looking for long-term proactive solutions for the future. (i.e. Culvert upgrades) Need to follow in the goals for long term resilience. Projects that could be funded: dam removals, green infrastructure, regulatory updates, zoning updates, social resilience, food security, equity, climate migration (is Dunstable a target for different people migrating away from coastal flooding?)

#### Deadline is JUNE 30TH 2024 FOR COMPLETING MVP PLANNING GRANT.

### Your roles in the process:

- 1. Need help on the stakeholders list.
- 2. Community resilience building workshop (1-8 hour OR 2-4 hour workshops).
- 3. 2 public meetings.
- 4. Looking at the mitigation actions and providing input.
- 5. Promoting and staying engaged.
- 6. Weigh in on Survey (Jennie)
- 7. Need another core team meeting August Nichole to send out a Doodle for week of August 14th

#### **Data Sources:**

- 1. Dunstable Master Plan has a few maps in there (NMCOG may have digital copies of the full-sized maps Dave to check)
- 2. Open Space/Recreation Plan Could apply for Grant to look at through the "Climate Lens" Need to look at this in the future.
- 3. HMP expired and will be updated as part of this process.
- 4. River & Wild Study only part of the community is impacted by this.
- 5. Demographics from Census

- 6. All Hazards Plan (Eric Hoar has it) needs to be scanned (3-ring binder)
- 7. GIS facilities, assets beyond water, sewer, stormwater no current mapping need to physically add them to a map. Only a few municipal buildings. Stormwater map from Dave Langlais. John has the last 5 years of water service (maybe Wright Pierce may have something transferrable)
- 8. Items to add:
  - a. Public Safety Building/Housing mitigation action in the future. Needs to be included in the plan.
  - b. Complete Streets Prioritization Plan Dave has it. Jason is going to look for a narrative.
  - c. Green Community Online Application. Leah provided.
  - d. Open Space (EOEEA has funded land acquisition for recreational opportunities and forestry that holds importance from climate/community. Land Acquisition for mitigation (i.e. something that is in a flood plain) to move that infrastructure. Will show a map of all of the parcels that have been protected to date for the workshop.
  - a. Trues Brook Landing Bridge permit through the ConCom with a Boardwalk connecting for two open space parcels.
  - b. AARP Received a walkability grant to study downtown area
  - c. Joint Grass Brook Culvert project planning phase
  - d. Woodward's Mill Dam
  - e. School building in planning phase

### Hazards/Natural Disasters/Flooding/Heat/Wind/Ice/Fire:

- 1. River Street Floods once in a while 2-48" twin culverts, beavers plug up screens in front of the culvert
- 2. Last summer had the heat wave that caused issues with the water tank (coliform) and needed to treat the system. Things could be done to the tank to keep this from happening in the future.
- 3. Culverts are presenting an issue with 100-year floods
- 4. Fletcher Street floods sometimes
- 5. High Street winter has road flooding/icing because of the ledge. Conservation property creates an issue due to pipes being removed.
- 6. Stormwater inventory that is creating problems (may include issues created by individual properties).
- 7. Forest Street stormwater runoff and the culvert is undersized and beavers create blockages.
- 8. Ice Storms major ice storms Ice Storm/Storm Christmas 2021.
- 9. Fires potential for brush fires in the community.
- 10. Heavy Rain has been washing out sides of the roads
- 11. Public Health Perspective most of community is on well service. Some of the community members have put in 2nd and 3rd well. Main Street one property was down 800' through hydrofracking with water delivery issues. Water supply is an issue.
- 12. Invasive species grants to manage invasive?? No we do not fund invasive species management. It has been funded as part of a larger mitigation project.
- 13. Tick and mosquito populations are exponential.

#### Schedule:

- 1. First public meeting: <u>In-person after school starts</u>, Facebook, Summer Concerts, 350th events, Fall (Special Town Meeting) this is supplemental, This should be NO LATER THAN October 1, 2023.
- 2. Create a SurveyMonkey with a QR Code Neighbor to Neighbor, Hand out at summer concerts, 350th events, What's Happening, Facebook
  - a. Overview of project
  - b. What are natural hazards
  - c. Climate Change and how it impacts Dunstable
  - d. Personal stories
- 3. CRB workshop(s): Going to have to happen in October 2023
  - 2-4 hour workshops industrial sectors, agricultural sectors, vulnerable populations,
    - i. Need to keep the group manageable (20-60 people 30 is the sweet spot)
    - ii. Social Resilience steps were in this https://www.mass.gov/info-details/mvp-20

- b. Sessions should be a week apart. (1 during the day and 1 at night? Is this an option if following the MVP process)
- 4. Listening session to go over the results perhaps at November Special Town Meeting

### **Next Steps:**

- 1. Core Team Meeting: Week of August 14<sup>th</sup> will be at Dunstable Police Department
- 2. Public Meeting: September
- 3. CRB: October
- 4. **Listening Session:** November?

#### **Logistics:**

- 1. Michelle Rowden reviewed details of MVP/HMP contract requirements
  - a. Contract documents: Received documents/expectations
  - b. Initial Disbursement: Received by Town
  - c. Questions: Michelle is our regional coordinator.
    - 1. Jeff Zukowski, MEMA, can answer questions regarding HMP. Look up the policy guide for the process, and keep up to date on MEMA requirements
  - d. Be done the review or need to be substantially done review by end of January 2024. Need to submit by MEMA by June 30th 2024.
  - e. Attachment 3 shows the items the municipality is responsible for.
  - f. REQUIRE QUARTERLY REPORTS May 5th was the first one. September 15th is second one. February 16th for third and the June 30th is the deadline for everything else.
  - g. If we are changing anything... you need to get Michelle's approval.
  - h. Look at the Planning 2.0 document and see what we can integrate.
  - i. Please invite Michelle to all events, so include her on the core team.



**Core Team Meeting** 

Location: Dunstable Town Hall, 511 Main Street, Dunstable, MA

Monday, August 14, 2023 @ 3:00 PM

Welcome & Meeting Agenda

5 Minutes

**Mitigation Goals** 

10 Minutes

- 1. Review the final list of HMP goals
- 2. Endorse that goals can be presented at workshops

Asset Inventory

20 Minutes

- 1. Discuss assets and asset categories on provided list and maps
- 2. Review and provide input/confirmation on the list of assets

Community Resilience Building Workshop

10 Minutes

- 1. Select a meeting date for the CRB workshop
- 2. Finalize logistics (location, food, invitations, attendees, etc.)

**Public Survey Promotion** 

10 Minutes

- 1. Discuss methods of promoting survey
- 2. Determine survey response timeframe

Wrap Up & Next Steps

<u> 5 Minutes</u>



## Core Team Meeting Location: Dunstable Town Hall, 511 Main Street, Dunstable, MA Monday, August 14, 2023 @ 3:00 PM

## **Attendees**

Name & Affiliation	Attended 7/10/2023	Attended 8/14/2023
Michelle Rowden, EOEEA	×	/
Jennie Moonan, Weston & Sampson	x	-
Dave Langlais, Hoyle Tanner	×	-
Nichole Davis, Hoyle Tanner	×	-
Leah Basbanes, Selectboard & Conservation Commission	×	/
Jason Silva, Town Administrator	x	/
Eric Hoar, Dunstable PD	×	1
Bridget Baley, Health Agent	×	
William Farrell, Dunstable FD	×	1
Dave Tulley, Highway Department	x	
Mike Martin, Roadway Commission	x	
John O'Brien, Water Commission	×	
Maria Amodel, Board of Health	x	



#### Welcome & Meeting Agenda

5 Minutes

- 1. Review Mitigation Goals
- 2. Review Asset Inventory
- 3. Discuss CRB Workshops
- 4. Confirm Promotion of Public Survey

Mitigation Goals 10 Minutes

The following mitigation goals were included in the 2015 Hazard Mitigation Plan for the Northern Middlesex Region. Attendees reviewed the goals and proposed the following updates:

- (8) Increase coordination between the Federal, State, regional and local levels of government;
- (7) Discourage future development in hazard prone areas, such as flood plains;
- •—(1) Protect and preserve irreplaceable cultural and historic resources located in hazard prone areas;
- Ensure that <u>critical infrastructure</u>people, structures, systems, natural/cultural/historic resources (health and safety of Dunstable?) <u>isare</u> protected from natural hazards;
- •—(2) Develop programs and measures that protect residences and other structures from natural hazards;
- Protect electric power delivery infrastructure from natural hazards;
- Provide alternative drinking water supplies for local communities in the event of contamination or disruption from a natural hazard;
- Increase awareness and support for natural hazard mitigation among municipalities, private organizations, businesses, and area residents through outreach and education;
- (4) Implement a broad range of mitigation measures that protect the region's Town's vulnerable priority population and infrastructures;
- (5) Protect critical public facilities and services from damage due to natural hazards;
- Develop a mitigation strategy that considers area businesses and protects the economic vitality of the region Town;
- (9) Update and maintain the Plan as resources permit;
- (3) Increase the number of communities participating in the Community Rating System;
- Provide communities with information concerning hazard mitigation funding opportunities, and assist the communities in the identification and development of specific mitigation projects;
- Increase <u>Dunstable's each</u> community's capacity for responding to a natural hazard event by promoting the adequate provision of emergency service capabilities; and
- <u>(6) Implement adaptation mitigation</u> strategies and modify local emergency plans to protect critical infrastructure and property the community from the impacts of climate change.
- (10) Encourage sustainability of the Town?



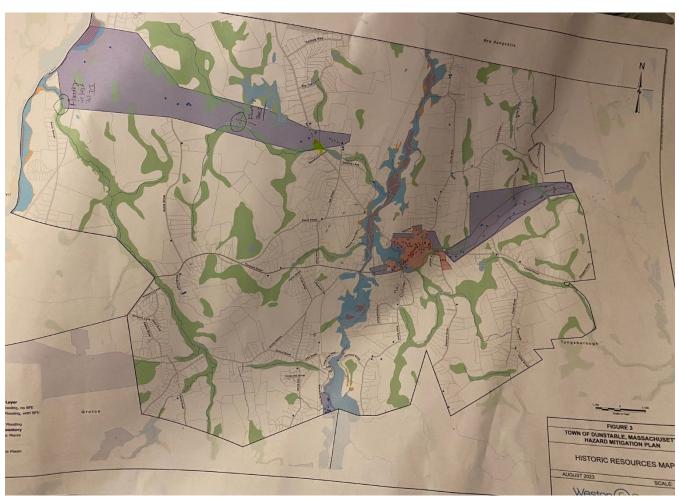
Asset Inventory 20 Minutes

The assets and asset categories on provided list and maps were discussed. Attendees reviewed and provided input / confirmation on list.

- YMCA should be Y Camp
- Add 147 Hardy Street to Daycare list
- Library also doubles as senior center
- Water department does not have an office at 511 Main Street
- The library is at 588 Main Street
- 91 River Street is a Barn used by Highway and Police for storage
- 59 Main Street is a Land Trust property
- The Joint Grass Brook Dam will soon become property of the Conservation Commission
- The dams outside of Dunstable, like Tyngsborough, should be considered
- Confirm evacuation routes
- The two drinking water pump stations are at the wells
- There is also a Water Tower on Simmons Way
- The Dunstable transfer station and landfill is closed and is only monitored
- There are two solar farms (see map)
- There is a cell tower at the Church at 518 Main Street (see map)
- Ran out of time to review Natural, Historic, and Cultural Resources but need to confirm Land Trust properties
- Two 40Bs are planned (see map)
- Make sure to add bridges and culverts to asset inventory
- There is a stone arch bridge at the north end of Salmon Brook in Town that is historic/cultural resource
- Culvert at Route 113 and approx. Hillcrest Street in good condition







- Note that in the last 20 years, there has been flooding on River Street by Unkety Brook.
- There was flooding in 2023 on Fletcher Street at Joint Grass Brook
- A new culvert was installed on Route 113 at Black Brook
- Intersection of Main Street and Joint Grass Brook culvert being replaced?
- Bridge at intersection of Route 113 and Salmon Brook also functions as a dam/limits flow

### **Community Resilience Building Workshop**

10 Minutes

- Send out doodle poll for 4 hours or 8 hours, send out potential dates/times?
- Reviewed list of stakeholders, added some
- Public meeting BoS Meetings are usually Tuesday at 5 PM every other Tuesday, Planning Board is on Mondays
- September 19<sup>th</sup> or 26<sup>th</sup> will be public meeting
- MTW best for Police

### **Public Survey Promotion**

10 Minutes

- Promote survey at concert on August 16
- Promote survey at September 10 parade and ice cream social
- Can plan be ready for November Town Meeting so folks can provide input? Answer yes



**Core Team Meeting** 

Location: Dunstable Town Hall, 511 Main Street, Dunstable, MA

Monday, August 14, 2023 @ 3:00 PM

Welcome & Meeting Agenda

5 Minutes

**Mitigation Goals** 

10 Minutes

- 1. Review the final list of HMP goals
- 2. Endorse that goals can be presented at workshops

Asset Inventory

20 Minutes

- 1. Discuss assets and asset categories on provided list and maps
- 2. Review and provide input/confirmation on the list of assets

### Community Resilience Building Workshop

10 Minutes

- 1. Select a meeting date for the CRB workshop
- 2. Finalize logistics (location, food, invitations, attendees, etc.)

### **Public Survey Promotion**

10 Minutes

- 1. Discuss methods of promoting survey
- 2. Determine survey response timeframe

### Wrap Up & Next Steps

<u> 5 Minutes</u>

These actions will be coordinated with other regional and community priorities, as well as with mitigation goals of state and federal agencies. Such coordination will improve access to technical assistance; provide broader support for implementation; and reduce duplication of effort. The actions have been further categorized by timeframe into on-going, immediate, short-term projects and long-term measures.

## A. Mitigation Goals

In updating the Action Plan, the regional Multiple Hazard Community Planning Team (MHCPT) reviewed the hazard identification and analysis, the regional vulnerability assessment, and the existing protection matrix and measures. The goals in the 2006 Plan were reviewed and affirmed. In addition, a new goal was added to address the impacts of climate change. The following goals were considered in the development of the Action Plan Update:

- Increase coordination between the Federal, State, regional and local levels of government;
- Discourage future development in hazard prone areas, such as flood plains;
- Protect and preserve irreplaceable cultural and historic resources located in hazard prone areas;
- Ensure that critical infrastructure is protected from natural hazards;
- Develop programs and measures that protect residences and other structures from natural hazards:
- Protect electric power delivery infrastructure from natural hazards;
- Provide alternative drinking water supplies for local communities in the event of contamination or disruption from a natural hazard;
- Increase awareness and support for natural hazard mitigation among municipalities, private organizations, businesses, and area residents through outreach and education;
- Implement a broad range of mitigation measures that protect the region's vulnerable population and infrastructure;
- Protect critical public facilities and services from damage due to natural hazards;
- Develop a mitigation strategy that considers area businesses and protects the economic vitality of the region;

- Update and maintain the Plan as resources permit;
- Increase the number of communities participating in the Community Rating System;
- Provide communities with information concerning hazard mitigation funding opportunities, and assist the communities in the identification and development of specific mitigation projects;
- Increase each community's capacity for responding to a natural hazard event by promoting the adequate provision of emergency service capabilities; and
- Implement adaptation strategies and modify local emergency plans to protect critical infrastructure and property from the impacts of climate change.

## **B.** Mitigation Progress Since 2007

Since completion of the last Plan, the region's municipalities have made significant progress in implementing additional measures to mitigate natural hazards. The following table lists the measures that have been implemented within each municipality since 2007. All other actions were pulled into this plan update (see Table 82).

**Table 81: Mitigation Actions Implemented Since Completion of the Previous Plan** 

Billerica		
Action Implemented	Hazard Addressed	
Maintained compliance with the National Flood Insurance Program	Flooding	
Enforced the town's floodplain bylaw	Flooding	
Enforced the erosion control and stormwater management standards with the town's subdivision regulations	Flooding	
Implemented BMPs within the town's Stormwater Management Plan	Flooding	
Enforced the local wetlands bylaw, the Massachusetts Wetlands Protection Act, and the Rivers Protection Act	Flooding	
Pursued acquisition of open space parcels along the Concord and Shawsheen Rivers	Flooding	



Core Team Meeting Sign-In Sheet Location: Dunstable Town Hall, 511 Main Street, Dunstable, MA Monday, August 14, 2023 @ 3:00 PM

Name & Affiliation	Attended 7/10/2023	Attended 8/14/2023
Michelle Rowden, EOEEA	X	
Jennie Moonan, Weston & Sampson	Х	
Dave Langlais, Hoyle Tanner	Х	
Nichole Davis, Hoyle Tanner	Х	
Leah Basbanes, Selectboard & Con Com	Х	
Jason Silva, Town Admin	Х	
Eric Hoar, Dunstable PD	Х	
Bridget Baley, Health Agent	Х	
William Farrell, Dunstable FD	х	
Dave Tulley, Highway Department	Х	
Mike Martin, Roadway Commission	Х	
John O'Brien, Water Commission	х	
Maria Amodei, Board of Health	х	





## Draft Asset Inventory for the Town of Dunstable Hazard Mitigation Plan

Assets are defined by the Federal Emergency Management Agency (FEMA) Local Mitigation Planning Policy Guide (Released April 19, 2022, Effective April 19, 2023). Assets are "determined by the community and include, but are not limited to: people; structures; systems; natural, historic, and cultural resources; and/or activities that have value to the community."

There are five categories of assets:

- People (including underserved communities and socially vulnerable populations). "Assets that serve populations that are more vulnerable to disaster (e.g., elderly, children, visiting populations) and/or serve densely populated areas."
- Structures (including facilities, lifelines, and critical infrastructure). "Built facilities that provide community lifeline services. A community lifeline enables the continuation of critical government and business functions and is essential to human health and safety or economic security."
- Systems (including networks and capabilities). "A collection of components that perform a
  critical service for the community. Systems are linear type assets. Systems may include
  horizontal assets associated with linear type assets.
- Natural, historic, and cultural resources. "Natural Resources: Areas that provide protective
  function to reduce magnitude of hazard impact and increase resiliency. Areas of sensitive
  habitat that are vulnerable to hazard events, protection of areas that are important to
  community objectives, such as the protection of sensitive habitat, provide socio-economic
  benefits, etc.
- Historical and Cultural Resources: Assets that posses historical, cultural, archaeological or
  paleontological significance, including sites, contextual information, structures, districts, and
  objects significantly associated with or representative of earlier people, cultures, maritime
  heritage, and human activities and events."
- The economy and other activities that have value to the community. These are defined as "Activities that benefit the community by increasing community morale and well-being. Activities may include education and knowledge transfer."

We also need to consider:

- Development that has occurred from January 1, 2015 through present
- Planned development for the next five years (say 2023 through 2028)

Critical assets in the Town of Dunstable have been identified utilizing the newest MassGIS data, and the most up to date MassGIS L3 Parcel data, and the asset inventory presented in the 2015 Hazard.

## Category 1 – People

Asset Type	Name	Address	
	Swallow Union Elementary School	518 Main Street	
	Maple Village Preschool	518 Main Street	
Schools/Daycare	Groton-Dunstable Regional High School	703 Chicopee Row, Groton MA	
	Dunatable Congregational Church	516 Main Street	
Religious Centers	Dunstable Congregational Church	310 Main Street	
	\/\hat\(\hat\)	00411-1101	
	YMCA	234 Hall Street	
Recreation			
Priority	Priority populations are people or communities who may be disproportionately impacted by climate change due to life circumstances that systematically increase their exposure to climate hazards or make it harder to respond. In addition to factors that contribute to EJ status (i.e., income, race, and language), other factors like physical ability, access to transportation, health status, and age shape whether someone or their community will be disproportionately affected by climate change. This is because of underlying contributors such as racial inequality, financial insecurity, or accessibility barriers that create vulnerability.		
Populations			
Environmental Justice (EJ) Communities	There are no mapped EJ Communities	 s within Dunstable	



## **Category 2 – Structures**

Asset Type	Name	Address
	Police Station	23 Pleasant Street
Emergency Response	Fire Station	28 Pleasant Street
	Swallow Union School	518 Main Street
Emergency	Dunstable Congregational Church	516 Main Street
Emergency Shelters	Town Hall	511 Main Street
	Water Department	511 Main Street
	Town Hall	511 Main Street
	Dunstable Free Public Library	511 Main Street
	DPW Garage	107 Pleasant Street
Town Facilities	DPW Garage	589 Pleasant Street
		91 River Street
		59 Main Street

Post Office	Dunstable Post Office	170 Pleasant Street
Animal Clinics	Dunstable Animal Clinic	386 Main Street
Animai Clinics		
	Dunstable General Store & Dunkin'	238 Pleasant Street
	Tully Farms Dairy Store	446 Pleasant Street
Food & Pharmacy	The Farmhouse Café	17 Pleasant Street
_		
Dams	Massapoag Pond Dam (Private) Low Hazard	Off Lower Dam Way
	Woodwards Mill Dam (Town-owned) Low Hazard	Approximate Intersection of Pond Street and Pleasant Street
	Joint Grass Brook Dam (Private) Low Hazard	Mills Street just north of Swallow Lane

## Category 3 - Systems

Primary	Pleasant Street (Route 113)	
Evacuation	Groton Street	
Routes	High Street	
	Lowell Street	
	Westford Street	



Pump Stations	Drinking Water (2)	
	Salmon Brook Well #1	711 Main Street (and associated Zone I and Zone II)
Drinking Water Supply Wells	Salmon Brook Well #2	711 Main Street (and associated Zone I and Zone II)
Natural Gas	National Grid	Town-wide
	National Grid	Town-wide
Electricity		
	Charter	Town-wide
Cable	Verizon	Town-wide
Communications	Cell Tower	583 Pleasant Street
Communications		
Coo Stations	Irving Oil	238 Pleasant Street
Gas Stations		
Transfer Station	Dunstable Transfer Station & Landfill	Depot Street



Hazardous	Charles George Site	Landfill	Superfund	Cummings Road
Materials Site				

## Category 4 – Natural, Historic, & Cultural Resources

Natural Resources	Canyons Lake Black Brook Hauk Brook Lower Massapoag Pond Upper Massapoag Pond Nashua River Bass Pond Joint Grass Brook Unkety Brook (Cold Water Fishery) Nissitisset River (Scenic & Protected Fishery) Kennedy Conservation Area Proctor Conservation Area Dunstable Brook Wildlife Management English Wildlife Refuge Spaulding-Proctor Reservation Larter Field Pierce Town Forest Hauk Swamp Wildlife Management Ar Unkety Brook Wildlife Management Ar Prioirty Habitat of Rare Species  Estimated Habitats of Rare Wildlife  Certified Vernal Pools  Potential Vernal Pools	t Area ea
Open Space	Article 97	Town-wide



	Little Red Schoolhouse	64 Main Street
Cultural Resources		
	West Dunstable - River Road Area	
	Meetinghouse Hill	
	East Main Street Area	
	YMCA Camp Massapoag Family Outdoor Center	
Historic	Dunstable Center Historic District	
Resources	Pond and Pleasant Street Area	
	Massachusetts Historic Commission Inventory Properties	Town-wide
	National Register of Historic Places	Town-wide
Cemeteries	Hollis Street	



Meetinghill Cemetery	200 Main Street
	Brook Street
	Brook Street
	Fletcher Street
	Main Street
Central Cemetery	Westford Street

# Category 5 – The Economy and Activities that have Value to the Community We need your input! This includes major employers and events like parades, fairs

We need your input! This includes major employers and events like parades, fairs, festivals, farmers markets, road races, etc.

Rail Trail	Nashua River Rail Trail	



## **Development**

We need v	vour input	! What develor	oments have	occurred staring	a since Janu	arv 1, 2015?
We need	youput	. Willat acvelo	onicino nave	occurred ctaring	g onite oand	u. y .,

Planned Develo	pment	
We need your inp	ut! What Developments are planned	for 2023 through 2028?



## Community Resilience Building (CRB) & HMP Stakeholder Workshop

Location:

DAY, DATE @ TIME

**Registration & Refreshments** 

30 Minutes

### **Welcome & Introductions**

10 Minutes

- Town Appointed Official
- MVP Regional Coordinator
- MVP/HMP Core Team/Committee Members
- Consulting Team
- Participant Introductions

### MVP/HMP Workshop Purpose & Overview

20 Minutes

- Hazards
- Existing Climate Change
- Projected Climate Change
- Recent Planning Efforts
- Overview of Data and Maps Being Used During Workshop

### **Large Group Exercise #1**

10 Minutes

- Identify Major Hazards
- Prioritize Top Four Hazards

BREAK 10 Minutes

## Presentation: Risk Matrix Overview

5 Minutes

- Hazards
- Features
  - o Infrastructure, Societal, Environmental
  - o Vulnerability or Strength
  - Location
  - o Ownership
- Actions

## Small Group Exercise #1

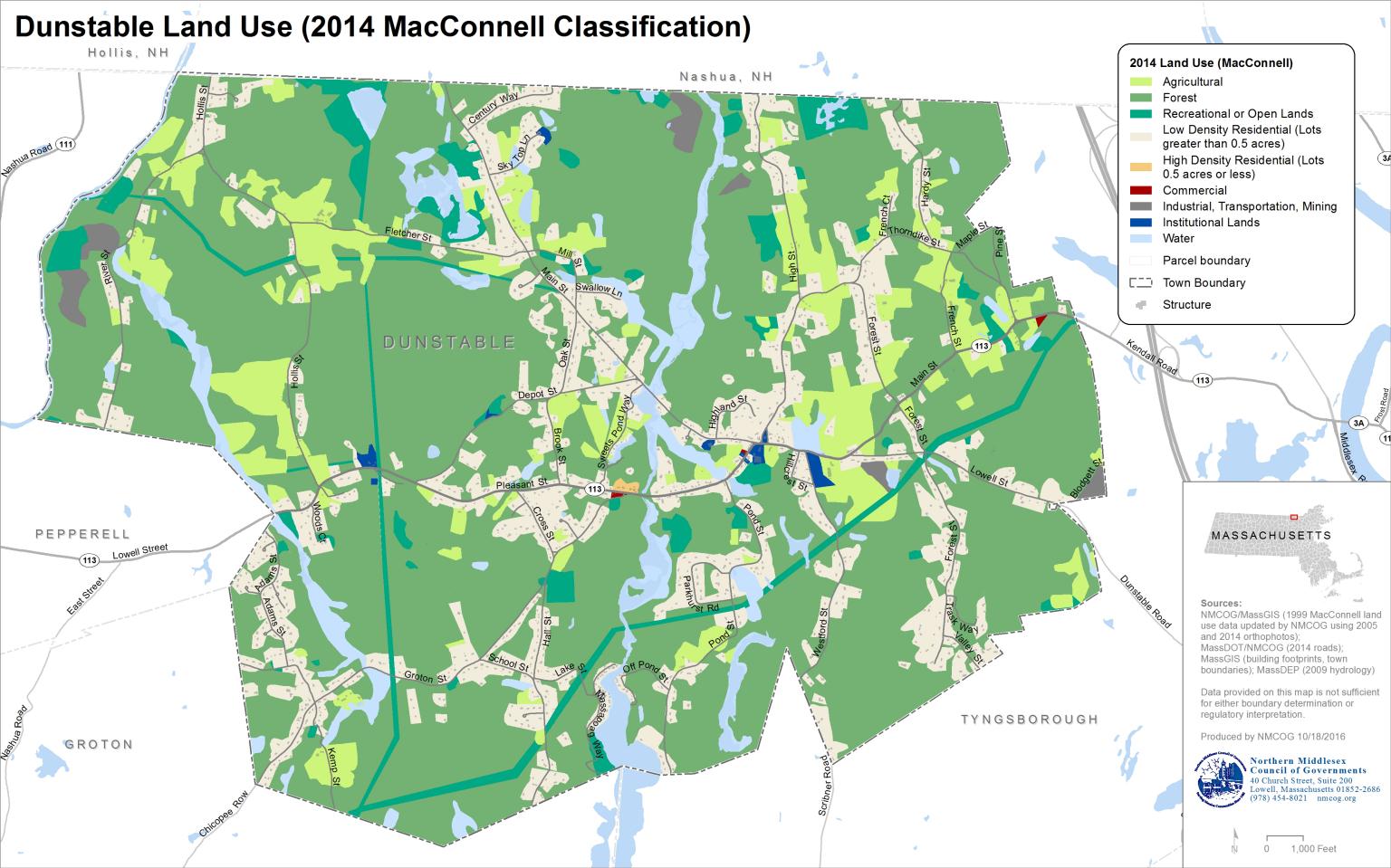
10 Minutes

- Infrastructure and Buildings Features
  - Vulnerability and/or Strength, Location, Ownership

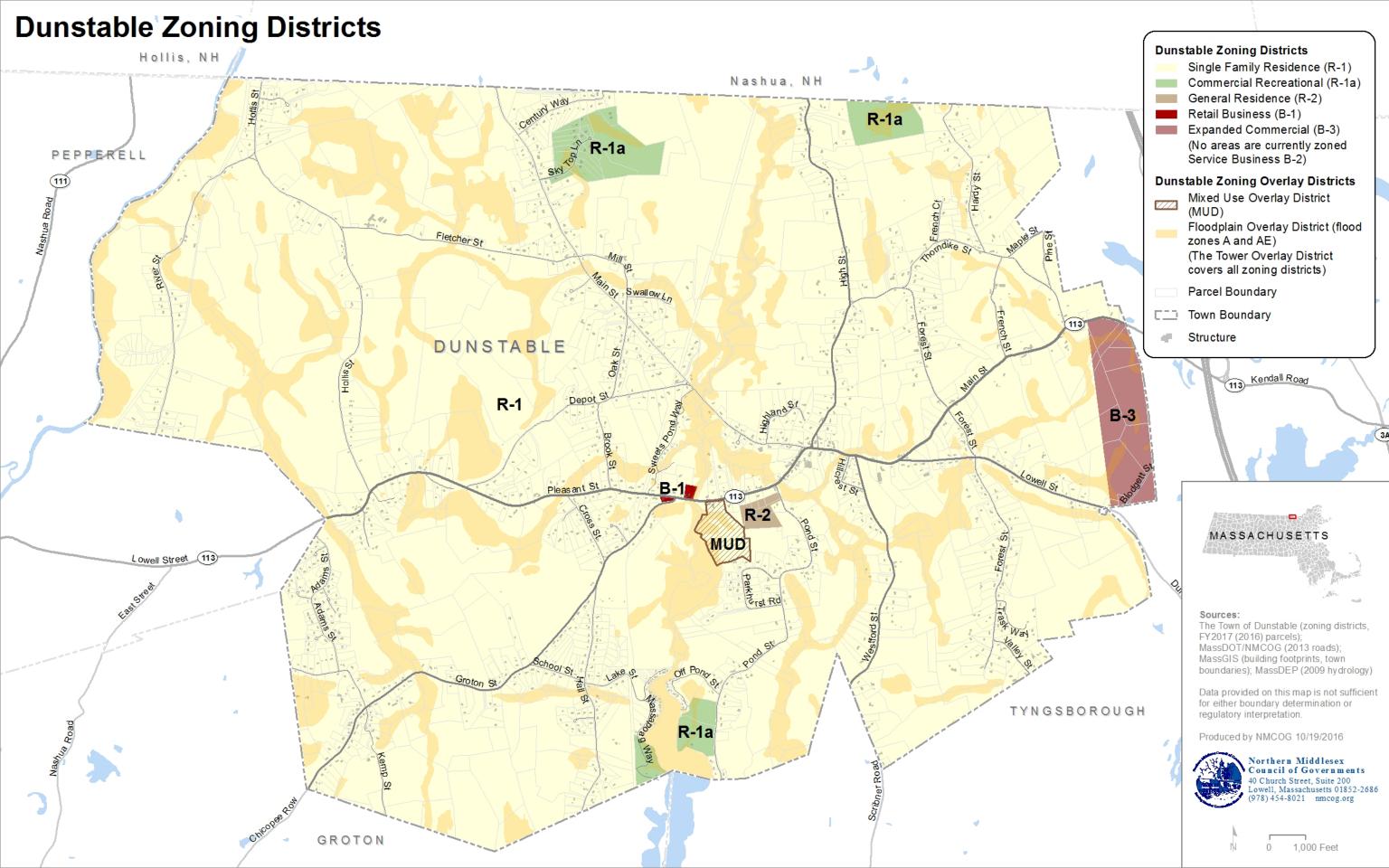


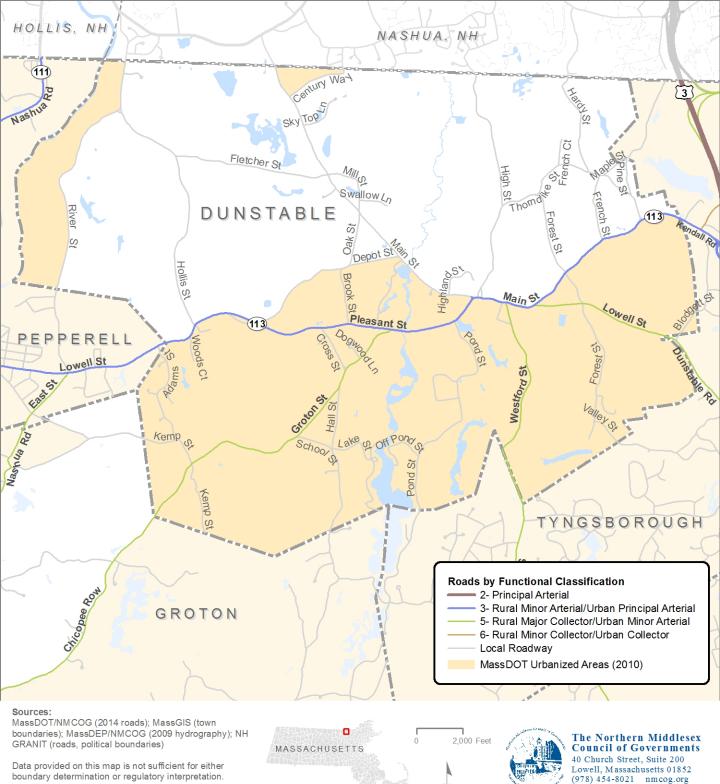
Small Group Exercise #2	<u> 5 Minutes</u>
Societal Features	
<ul> <li>Vulnerability and/or Strength, Location, Ownership</li> </ul>	
Small Group Exercise #3	10 Minutes
Environmental Features	
<ul> <li>Vulnerability and/or Strength, Location, Ownership</li> </ul>	
LUNCH	5 Minutes
	<u>,,</u>
Presentation: HMP Mitigation Strategies/MVP Community Actions	10 Minutes
rresentation: HMF Mitigation Strategies/MVF Community Actions	10 Millutes
Small Charm Evancias #4	- Minutes
Small Group Exercise #4  O Define HMP Mitigation Strategies/MVP Community Actions	<u> 5 Minutes</u>
O Define Their Wildgation Strategies/WVV Community Actions	
BREAK	10 Minutes
Large Group Exercise #2	5 Minutes
Identify High Priority HMP Strategies/MVP Priority Actions	
Wrap-up and Closing Remarks	10 Minutes

<b>Community Resilience</b>	Building Risk Matri	X	2 (			www.Community	ResilienceBuildin	ig.org	
				Top Priority Hazards (	cornado, floods, wildfire, h	urricanes, earthquake, dro	ught, sea level rise, heat w	ave, etc.)	
<u>H-M-L</u> priority for action over the <u>S</u>	hort or <u>L</u> ong term (and <u>O</u> ngoi	ng)						Priority	Time
$\underline{\mathbf{V}}$ = Vulnerability $\underline{\mathbf{S}}$ = Strength								<u>H</u> - <u>M</u> - <u>L</u>	<b>S</b> hort <b>L</b> ong
Features	Location	Ownership V	or S					<u> </u>	<b>O</b> ngoing
Infrastructural									
Societal									
Environmental									

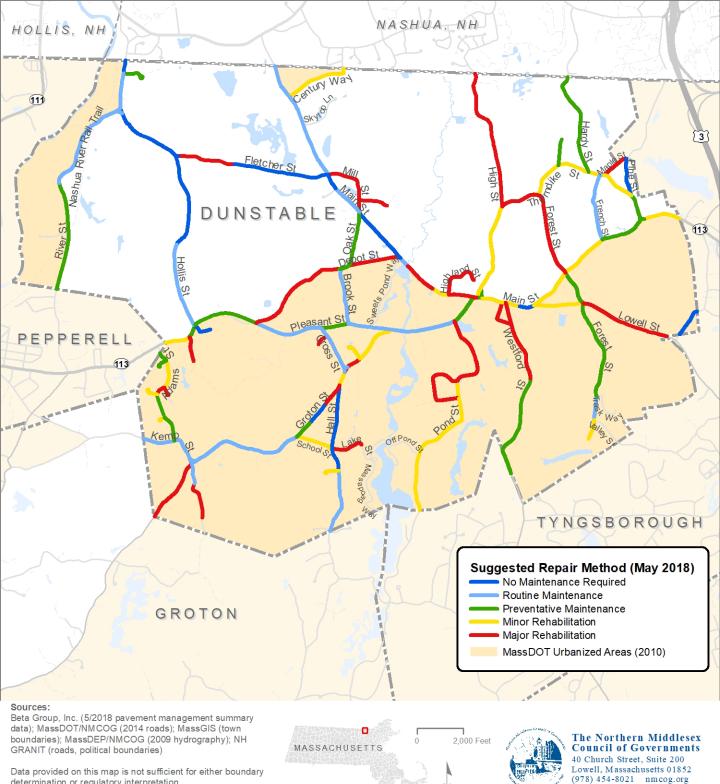


## **Dunstable Land Use per Assessor's Parcels** Hollis, NH Nashua, NH Land Use (per Assessor's Use Code) Single-family residential Two-family residential Mixed residential and agricultural watua Road (111) Mixed residential and commercial Commercial Manufacturing Public Utilities Public Land: Municipal and State Non-profit/religious organization Recreation Cemetery Agriculture Forest Conservation Land: State, Municipal, and private land trust Undeveloped Water Parcel boundary Town Boundary Structure PEPPERELL MASSACHUSETTS Sources: The Town of Dunstable (FY2017 parcels); MassDOT/NMCOG (2014 roads); MassGIS (building footprints, town boundaries); MassDEP (2009 hydrology) Data provided on this map is not sufficient for either boundary determination or regulatory interpretation. TYNGSBOROUGH Produced by NMCOG 10/19/2016 GROTON Northern Middlesex Council of Governments 40 Church Street, Suite 200 Lowell, Massachusetts 01852-2686 (978) 454-8021 nmcog.org 1,000 Feet



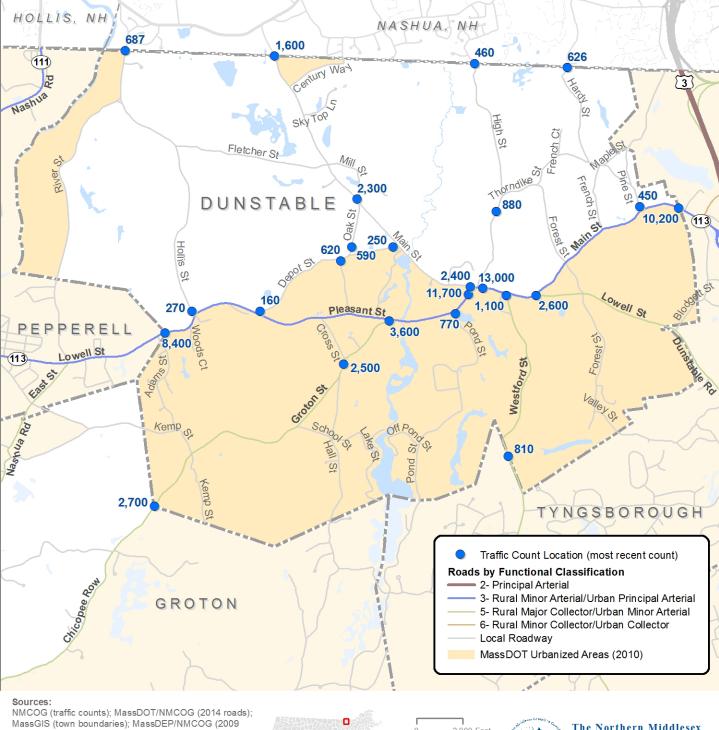


Produced by NMCOG: 2/2/2017



determination or regulatory interpretation.

Produced by NMCOG: 9/13/2018



hydrography); NH GRANIT (roads, political boundaries)

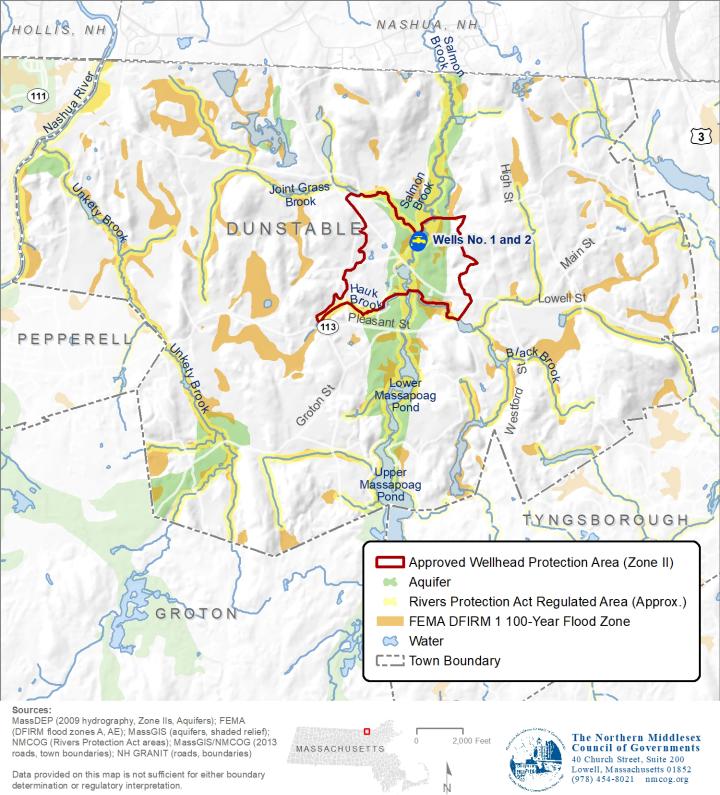
Data provided on this map is not sufficient for either boundary determination or regulatory interpretation.

Produced by NMCOG: 11/3/2016

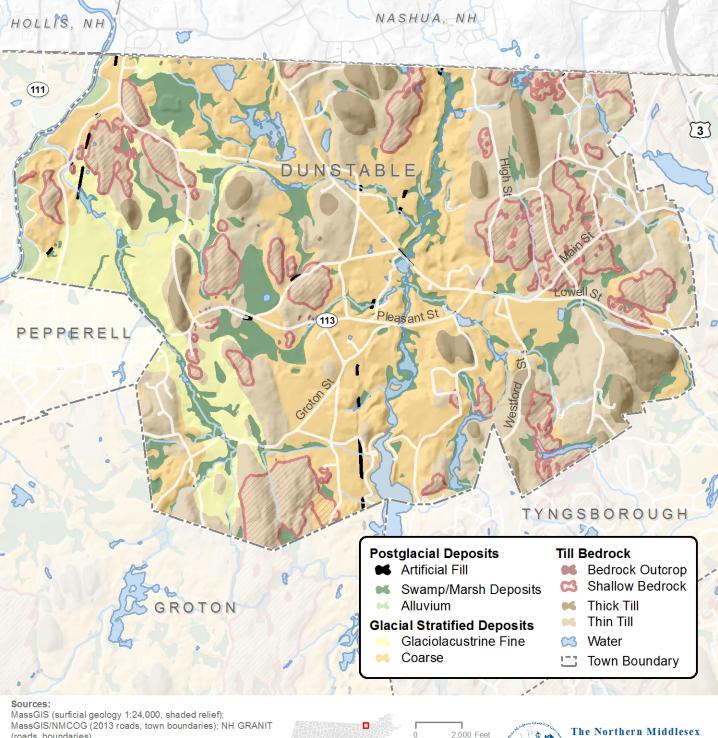




#### **Dunstable Open Space and Recreation Lands** Hermansen Parcel Nashua, NH Way Lot Kennedy/ Nashua River Access -Hardy St (DRLT) Spectacle Hill (DRLT) W ay Kirkpatrick (DFW) Tully (DRLT) Robbins Sky Meadov Farm (DRLT) Golf Course CR Flat Rock Hill (DRLTBridgeyman Open **DRLT** Wildlife **Triangle Parcel** Tully Farm Space Blanchard/ Blanchard Sky Meadow Cemetery Meadow View Hill Chanev Country Club PEPPERELL Park (DRLT) Amos Rd (DRLT) Howards Tully Flat Rock Kendall Blanchard Brook Farm APR Hill/Ferrari Hill (Water River Street Property-Pelletier Dept) Farm (CC) St (111) Rideout Nashua River Fletcher St Kennedy Basbanes Open Space (DRLT) Rail Trail (DCR) Cemetery APR Joint Grass Russell Unkety Brook Wildlife Mgmt Area -Brook Woods **Proctor-Grater** Lumber Lots Parcel River St (DFW) Town Pound Stoddard Parcel Mill Brook Meetinghouse Hill New Town Well Field Sawyer Hogg DUNSTAB Tyngsborough-Dunstable Historical Society Conservation Area (Water Dept) **Urguhart** Meetinghouse Unkety Brook Wildlife Mgmt Area Lavrakas Hill Cemetery Parcel (DRLT) St O Depot St Sargent River St (DFW) Famil Tercentenary Edward Estates CR Larter Swallow Reservation-Sawyer Brook St/ Hawk Swamp Hardman CR Farm APR Cemetery (Hauk Swamp [3] Jr. CR St CR Wildlife Lupien Main St Management Area, DFW) Open Space Off River St Hauk Swamp WMA Library **Best Triangle** Randolf (DRLT) Open Space (DRLT) Beagle Club Common **Parcels Open Space** Fields (DRLT) Lowell St Pleasant St 113 Chapman Shaw Gardner Bacon **Permanently Protected Land** Craven Dunstable Brook WMA Agricultural Preservation Restriction Mixed Use Weisberg Parcel (DFW) Brook CR MASSACHUSETTS (APR) District Pond St Spaulding-Conservation Commission (CC) Proctor Dunstable Rural Land Trust (DRLT) Unkety **Dunstable Brook** Reservation Parkhurst Woods Wildlife Management Conservation Restriction (CR) Biron Area (DFW) Preserve Town Forest Goldthwaite The Town of Dunstable (3/22/2018 open Unkety Other Protected Town Land (DRLT) Unkety Brook Wildlife Mgmt Area Holmes space inventory, trails, FY2018 (2017) Brook parcels); MassDOT/NMCOG (roads); State Conservation Land Keyes George (DFW MassGIS (building footprints, town Westfor Alexander St CR boundaries); MassDEP (2009 hydrology); Land with Limited/Temporary Protection Meadow **Estates** School St 2014 Pictometry imagery. (DRLT) Cemetery Drummey Unkety Brook Meadow (DRLT) **Parcel** Tyngsborough-Dunstable Historical Whippoorwill Wildlife Data provided on this map is not sufficient Horse Hill Farnsworth for either boundary determination or Society Quarry (DRLT) Wildlife Refuge/English TYNGSBOROUGH regulatory interpretation Unkety Brook Wildlife Mgmt Area -Water Department Land Refuge Š Groton-Dunstable Produced by NMCOG 3/22/2018 George (DFW) Hall St Regional High School Chapter 61, 61A or 61B Land - Saab (DRLT) YMCA Camp Unprotected Land Northern Middlesex Elbow Meadow Woods/Horse Massapoag Council of Governments Unprotected Town Land (DRLT) Hill (DRLT) Wildlife Management 40 Church Street, Suite 200 Lowell, Massachusetts 01852-2686 Private Recreational Land Area (DFW) **Unkety Brook** Maguire/ (978) 454-8021 nmcog.org Wildlife Mgmt Area Bear Hill Waterhouse (DFW) Trail Maguire/ GROTON □□□ Town Boundary **Unkety Brook** (DRLT) Wildlife Management 1.000 Feet Area (DFW)



Produced by NMCOG: 3/23/2018



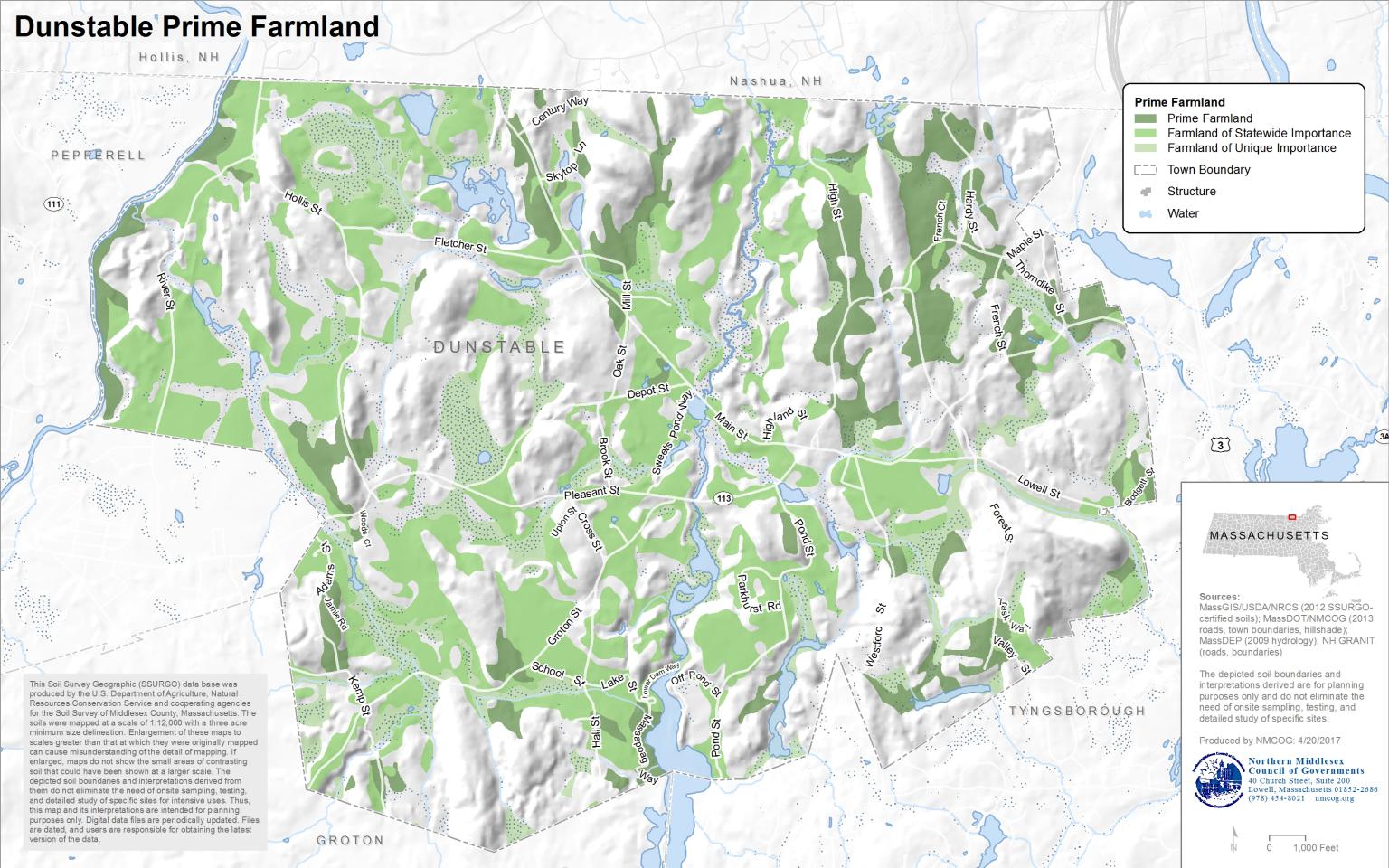
(roads, boundaries)

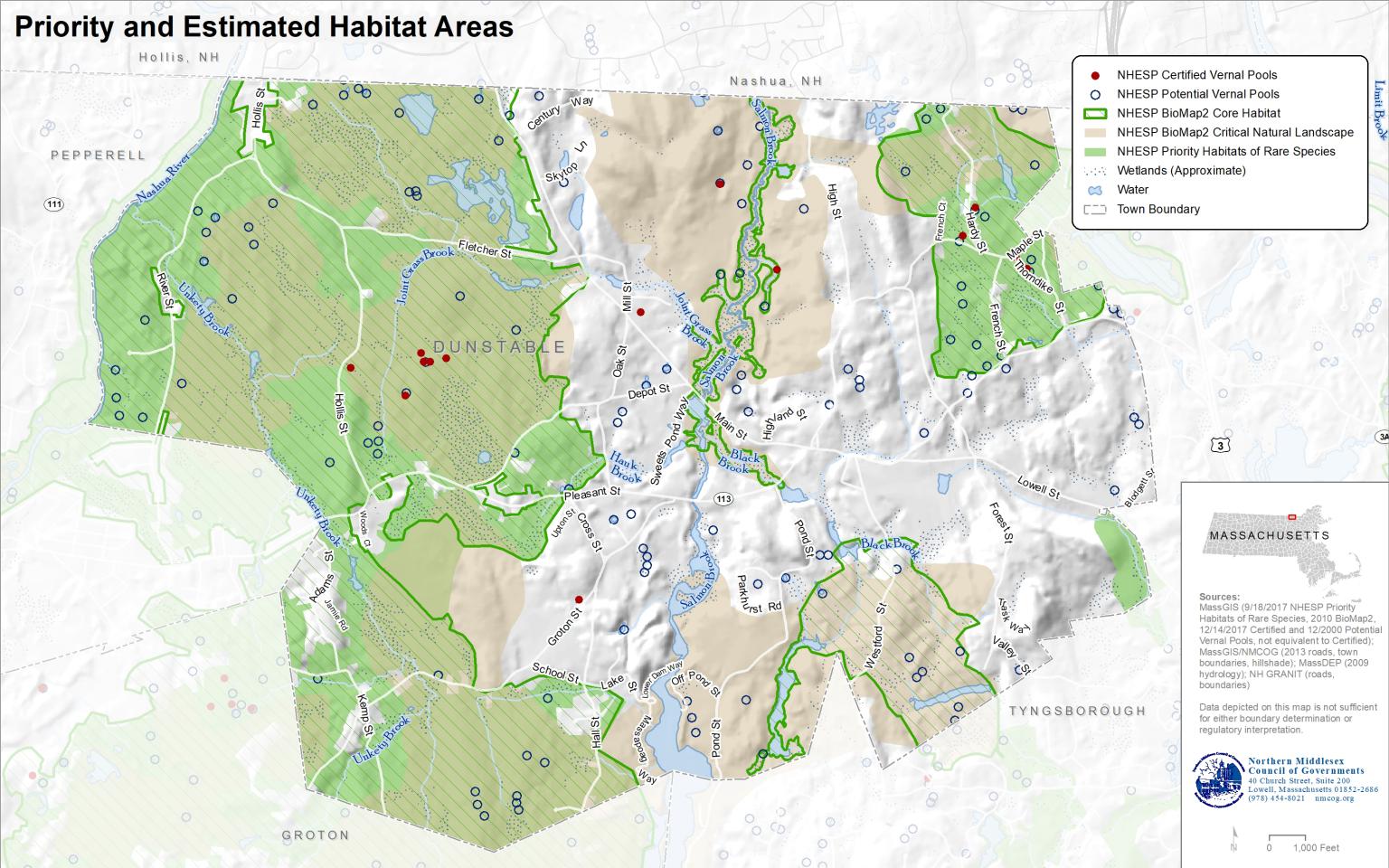
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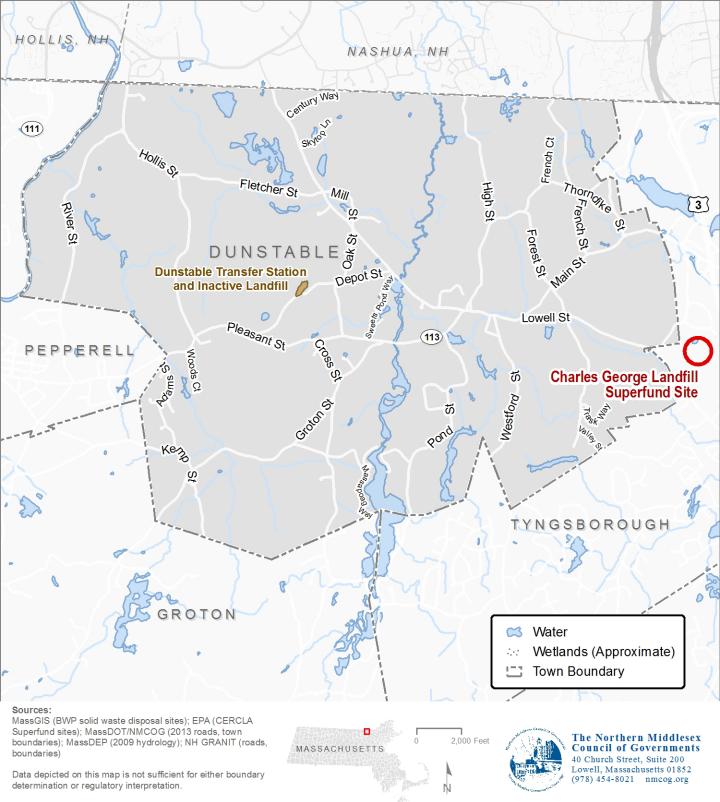




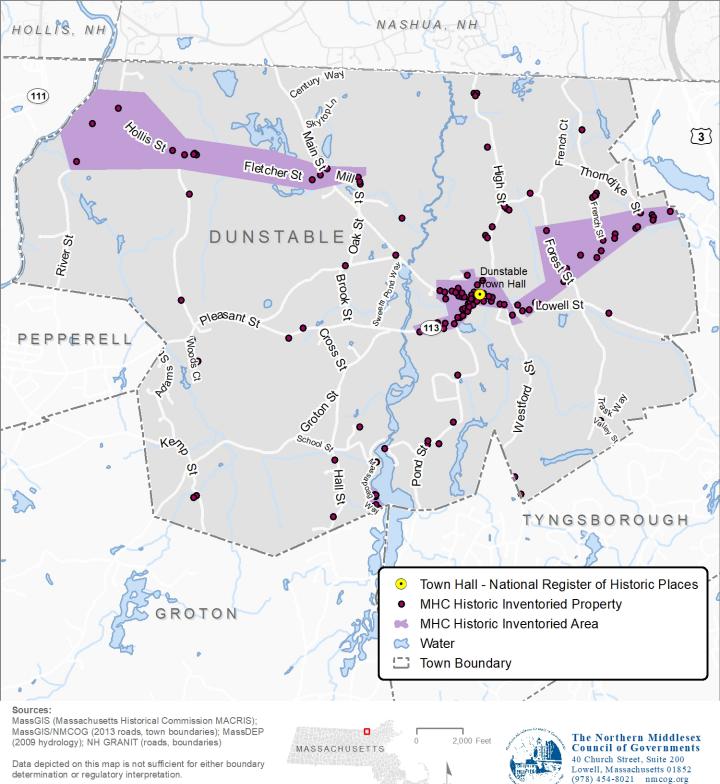
The Northern Middlesex Council of Governments 40 Church Street, Suite 200 Lowell, Massachusetts 01852 (978) 454-8021 nmcog.org



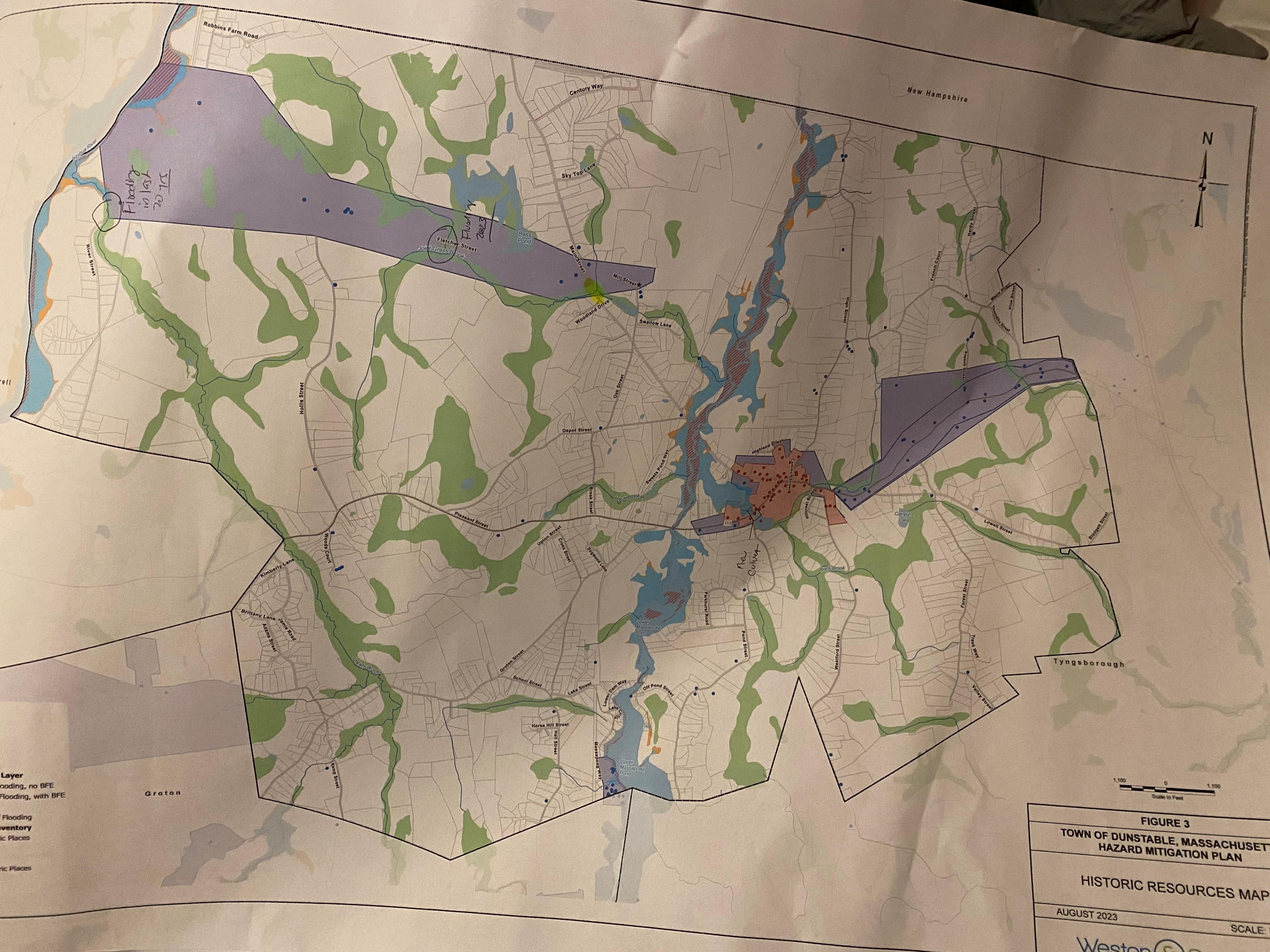


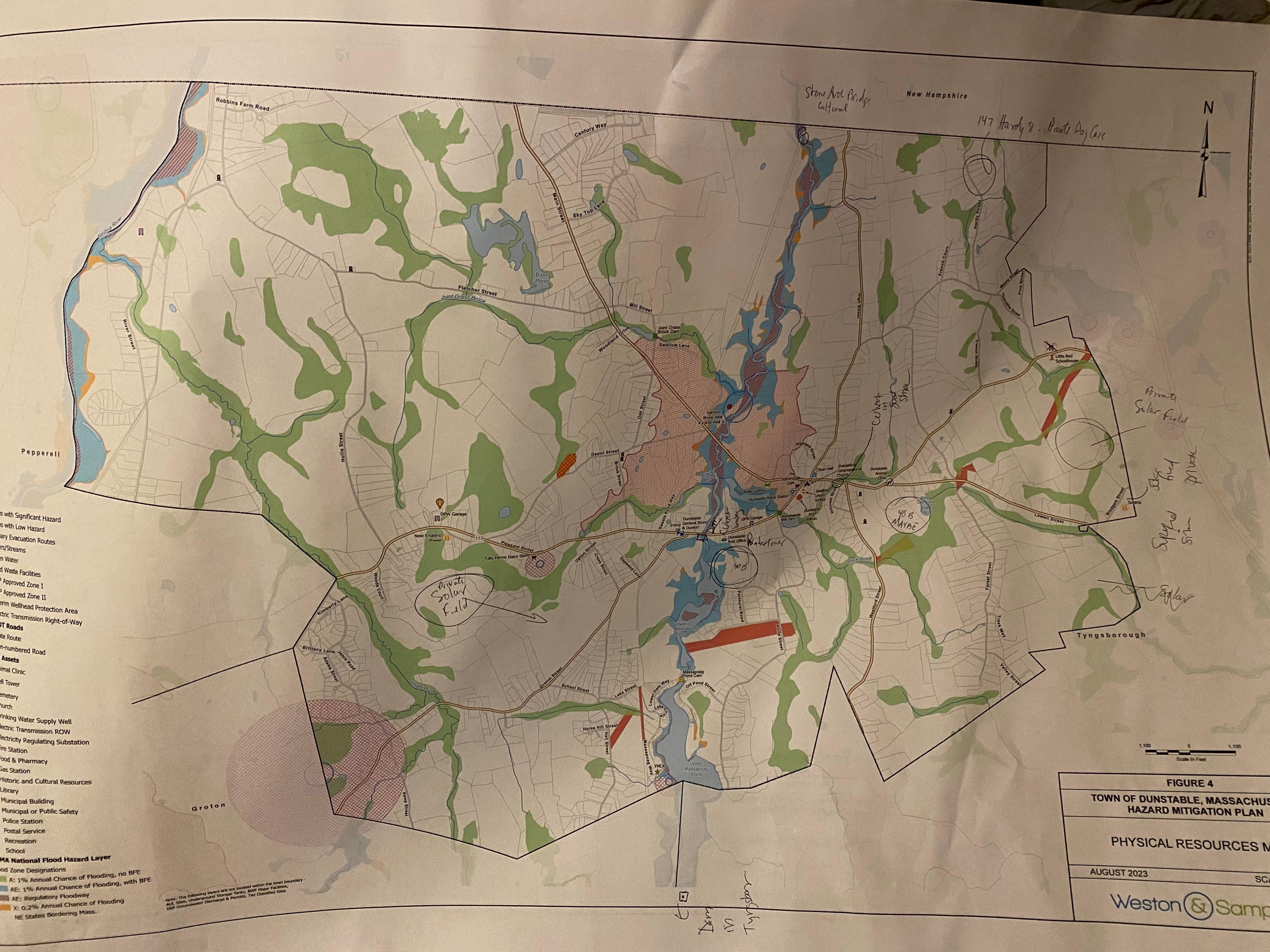


Produced by NMCOG: 5/9/2017



Produced by NMCOG: 9/12/2018







Core Team Meeting Sign-In Sheet Location: Dunstable Town Hall, 511 Main Street, Dunstable, MA Monday, August 14, 2023 @ 3:00 PM

Name & Affiliation	Attended 7/10/2023	Attended 8/14/2023
Michelle Rowden, EOEEA	×	/
Jennie Moonan, Weston & Sampson	×	-
Dave Langlais, Hoyle Tanner	×	-
Nichole Davis, Hoyle Tanner	×	~
Leah Basbanes, Selectboard & Conservation Commission	×	/
Jason Silva, Town Administrator	×	/
Eric Hoar, Dunstable PD	×	/
Bridget Baley, Health Agent	×	
William Farrell, Dunstable FD	×	1
Dave Tulley, Highway Department	×	
Mike Martin, Roadway Commission	×	
John O'Brien, Water Commission	×	
Maria Amodei, Board of Health	×	



### **Core Team Meeting**

#### Location:

- Virtual on Teams
- Dunstable Town Hall, 511 Main Street, Dunstable, MA

Thursday, March 21, 2024 - 10:00 AM to 11:00 AM

#### **Meeting Goals**

- 1. Review the draft MVP-HMP confirm input and review any questions
- 2. Review the MVP-HMP Mitigation Actions and plan for completion
- 3. Confirm next steps

Draft MVP-HMP 15 Minutes

- 1. Confirm questions contained in draft have been answered
- 2. Review comments from Core Team

#### **MVP-HMP Mitigation Actions**

35 Minutes

- 1. Review spreadsheet
- 2. Confirm plan for completion (if needed)

## Final Steps to Complete Draft Plan

10 Minutes

- 1. Provide draft plan to the public
  - a. Public Review Period dates?
  - b. Outreach approach?
  - c. Survey to collect comments?
  - d. Send draft to CRB workshop attendees
  - e. Send draft to EEA with clarification on MVP sections
- 2. 1 hour listening session (Town to lead)
  - a. When to hold?
  - b. Who will lead presentation?
  - c. Survey on mitigation actions?
- 3. Core team meeting #2 to review and incorporate comments
- 4. BoS vote to send to MEMA? Not required but may want them to understand this process is in progress
- 5. Submit to EEA as draft and MEMA as draft by June 30, 2024

MVR Meety 3/21/29 Kristma Hooper Michael Martin David Tully

End Bushares

John Obre

Bridgethe Bratay

Jasord Silva David Langlais Virtual Attenders: Janet (Jennie) Moonan Anna Kimelblatt