

# COMMUNITY RESILIENCE BUILDING WORKSHOPS- SUMMARY OF FINDINGS June 2019



SUBMITTED TO

Quincy Planning and Community Development  
Quincy, MA



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# COMMUNITY RESILIENCE BUILDING WORKSHOPS

## OVERVIEW

The City of Quincy is already feeling the impacts of climate change, particularly related to coastal flooding due to storm surge and sea level rise and extreme temperatures. Quincy already has some of the highest repetitive loss claims in the Commonwealth due to flood damage from coastal storms and extreme precipitation. With more than 27 miles of coastline, and three isolated dense residential peninsulas, Quincy is particularly vulnerable to sea level rise and storm surge. Inland, the City is vulnerable as storm water conveyed by numerous waterways frequently overtops during large precipitation events, which results in flooding of adjacent neighborhoods and businesses. The winter of 2018 included weeks of below zero temperatures and record-breaking high tides in January, temperatures 30 degrees above normal in February and three back-to-back Nor'easters in March resulting in some of the worst flooding that Quincy has seen, raising awareness of the community's vulnerability. With climate change, the City anticipates more severe and commonly occurring storms will increase coastal impacts and inland flooding.

To prepare for climate resiliency and begin to consider adaptation strategies, the City has undertaken proactive planning efforts over recent years. In 2015, the City completed a baseline Climate Vulnerability Assessment that examined the effects of sea level rise, increases in the intensity and frequency of storms, and urban heat island effect. With the guidance from adoption of Governor Charlie Baker's Executive Order Number 569 (Establishing an Integrated Climate Strategy for the Commonwealth) in 2016, **Quincy incorporated climate vulnerability assessments into the update of its FEMA Hazard Mitigation Plan (HMP)**. The City is encouraged by the Commonwealth's commitment to help communities continue to address the impacts of climate change through the **Municipal Vulnerability Preparedness (MVP) program**. The Quincy HMP was adopted by the City in April 2019, providing a timely opportunity for municipal department and community outreach via a MVP planning grant that funded Community Resilience Building Workshops.

Robert Stevens, AICP, Principal Planner with the Quincy Planning and Community Development Department led the initiative to complete the MVP process. The City partnered with Tighe & Bond, a state certified MVP Provider and firm who previously assisted with preparation of the 2019 HMP. The City of Quincy drew from members of the Hazard Mitigation Advisory Group to form the Core Team for the MVP. **The Core Team met on February 27 and on March 7, 2019 to determine the workshop goals, identify stake holders and plan for the workshops.**

### The Workshop's central objectives were to:

- Define the top local natural and climate-related hazards of concern;
- Identify existing and future strengths and vulnerabilities of the Community;
- Develop prioritized actions for the Community;
- Identify immediate opportunities to collaboratively advance actions to increase resilience.

Stakeholders were invited to participate in two **Community Resilience Building (CRB) workshops on April 23<sup>rd</sup> and May 14<sup>th</sup>, 2019, at Quincy City Hall**. The CRB workshop methodology is an "anywhere at any scale" format that draws on stakeholder's wealth of information and experiences to foster dialogue about the strengths and vulnerabilities within the City. Workshop participants interacted at both large and small group levels, using an iterative process to gather input, synthesize ideas across groups, and ultimately develop a set of priority resilience and adaptation actions.

**A final listening session was held in City Hall on May 23, 2019.** The major outcomes of the CRB workshops are presented in this summary document.



# COMMUNITY RESILIENCE BUILDING WORKSHOPS

## QUINCY CORE TEAM PLANNING ACTIVITIES

### KICKOFF AND PLANNING MEETINGS



The MVP kickoff meeting, held on February 27, 2019, was coordinated by the Mayor's office to involve key City staff leaders at an early stage in the planning process. This working group of the core team discussed goal setting for the workshop, how to identify and engage stakeholders, and the workshop framework. A follow-up meeting on March 7 was convened with the complete core team and focused on the details to invite the stakeholders and plan two workshops. A summary of the kickoff meeting and sign-in sheet are provided in Appendix A.



Because of the extensive work completed during the HMP process, including interviews of key staff, the Core Team decided it would be most productive to have more inclusive participation for the MVP process. The first workshop was an in-reach event with invitations sent to over 100 City staff and relevant board members. The second workshop was a public outreach event, including invitations to 75 stakeholders impacted by recent flooding and non-profit agencies with a mission of assisting vulnerable populations. Both workshops were held in Quincy City Hall and followed the CRB process with modifications. The natural hazard risks were very well vetted in previous workshops, surveys and other public outreach during the HMP planning process. The top natural hazards were provided based on this previous work. The MVP workshops focused on community asset vulnerabilities and strengths and prioritizing mitigation actions.

### COMMUNITY RESILIENCE BUILDING WORKSHOPS



Table discussions at the April MVP workshop

**Workshop #1:** The April 23<sup>rd</sup> workshop was attended by 32 participants. The workshop included a formal presentation of the MVP process and detail from the Hazard Mitigation Plan. focused on how to integrate climate change planning into other City plans and programs identified in the HMP Capabilities Assessment and exploring priority HMP mitigation actions.

**Workshop #2:** The May 14<sup>th</sup> workshop was community and non-profit group oriented with 30 participants in attendance. This evening workshop was more interactive, involving an individual mapping exercise, small table and large group discussions. Formal presentations were shortened to allow more time for brainstorming community strengths and weaknesses and potential mitigation actions.

Workshop sign-in sheets, workshop meeting materials, and a map indicating the location of participants from Workshop #2, are provided in Appendix B. Copies of the presentations are included in Appendix E.



## LISTENING SESSION



A listening session to present the draft report and review the high priority actions identified through the CRB workshops was held on May 23<sup>rd</sup>, 2019, at Quincy City Hall. Three staff from Planning and Community Development led the workshop with support from Tighe & Bond. Eight residents were in attendance. Rob Stevens provided a presentation that briefly overviewed the MVP process, including findings. A copy of this presentation is included in Appendix E.

City staff facilitated discussion including resident input on the following:

- City's commitment to resiliency planning across Departments and actions underway
- Potential sea level rise and impacts to the City
- Exploration of the hurricane barrier in Boston Harbor
- Federal funding for elevation of houses and residents' desire for City-led program to fund elevating houses
- Department of Conservation and Recreation tree planting program
- Private insurance claims for hazards
- Residents' desire to have City hire a dedicated Coastal Zone Manager
- Man-made hazards such as the potential compressor station





# TOP HAZARDS AND VULNERABLE AREAS

## NATURAL HAZARD RISKS

The City of Quincy elected to include all 16 hazards from the 2018 State Hazard Mitigation and Climate Adaptation Plan as the basis for evaluating natural hazard risk for the Quincy Hazard Mitigation Plan (HMP) 5-year update. Climate change impacts are integrated into the natural hazard elements where appropriate, consistent with regional climate change information used in the 2018 State Plan.

Climate change projections for Quincy were included in the City's HMP. Projections considered multiple sources and were consistent with data developed by the Northeast Climate Science Center at the University of Massachusetts Amherst for the 2018 State Plan.

Quincy's HMP Advisory Group evaluated the natural hazard risks considering the history of occurrence, the geographic extent of impact, economic impact and the likelihood of future occurrence in the City. The highest ranked natural hazards for Quincy include Coastal and Inland Flooding, Nor'easters, Coastal Erosion, and Severe Winter Weather, all of which may be intensified by climate change.

The MVP Core team felt that, based on the recent evaluation of hazards using best available information, the City should include the HMP highest natural hazard risks for the MVP plan. Participants from the workshops were directed to Chapter 3 of the HMP posted on the City website to learn more about additional natural hazard risks which could impact Quincy. *Include web address here in final report.*



## AREAS OF CONCERN

Over 20% of Quincy's developed land is within a flood hazard area. Areas of concern for coastal flooding are based on proximity to the coast and low-lying properties. This includes 66% of parcels within the Merrymount/ Blacks Creek planning area and approximately 25% of parcels within the Houghs Neck/ Germantown and Squantum Point Marina Bay planning areas. In the Furnace Brook North area, 17% of properties are vulnerable to inland flooding. Appendix C includes the Community Asset Mapping for each planning area highlighting both the assets and areas of flooding.



## SPECIFIC VULNERABLE AREAS AND ATTRIBUTES

**Merrymount/ Blacks Creek Neighborhoods:** Blacks Creek (drainage and marsh preservation), Seawalls (height and condition), Massachusetts Water Resource Authority (MWRA), Heritage Place (state Street), Beachwood Knoll, North Quincy Station (tide gates), Business Emergency Plan (North Quincy Businesses, Mass Health, Boston Scientific, Fed Ex), Emergency Response Plan (mock event and debris removal). Pump stations (need generators), Emergency Management





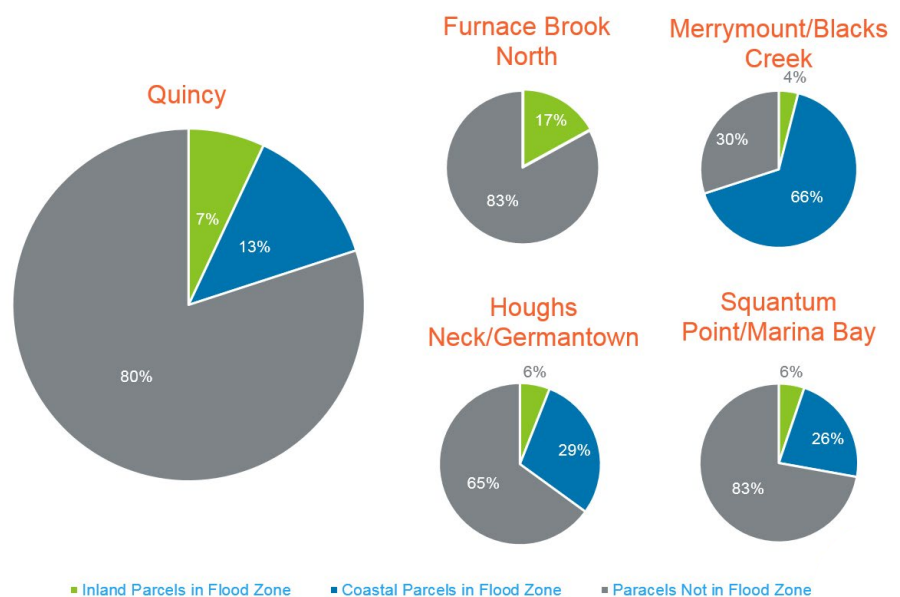
Center (protection of assets and need for ongoing education about emergency management planning), MBTA bus barn (prevention of oil spills and maintaining fleet for transportation to shelters)

**Houghs Neck/ Germantown Neighborhoods:** Sea Street (sea wall, pump stations, check valves and access/evacuation routes), Palmer Street (road elevation and seawalls), Quincy Yacht Club/Maritime Center Dock (emergency access), Tern Road (access), Spring Street (tide gates), Broad Meadow Marsh (school flood protection, drainage improvements), tidal flats (clamming).

**Squantum Point/ Marina Bay Neighborhoods:** Bus Barn, Kennedy Center, Squantum Point Ferry, Department of Conservation and Recreation headwall at Squantum Point Park (electrical supply), Massachusetts Water Resource Authority (MWRA) pump stations, Ocean Street, Quincy Shore Drive (senior housing and mosquito control), Commander Shea Boulevard (culvert), (North Quincy Businesses, Mass Health, Boston Scientific, Fed Ex), Squantum Causeway and Pier.

**Furnace Brook North Neighborhoods:** Fire Department (maintenance and staffing), Compass Urgent Care, Pump station (generators), Bernazzani School (Shelters, pump and sub-station), Beechwood Knoll School (shelter), Interfaith Social Services (funding, food bank, thrift store, records), Jack & Jill Day Care, Furnace Brook Parkway (alternate routes, mosquito control), Home Depot and Curry Hardware (emergency supplies).

**“Quincy ranks 5<sup>th</sup> highest of all cities and towns in Massachusetts for Repetitive Loss Claims. Between 1979-2017, 540 claims were submitted for 174 Repetitive Loss properties and 73 claims were submitted for 11 Severe Repetitive Loss properties.”**



Summary of Existing Flood Risk % of Properties





## CURRENT CONCERNS AND CHALLENGES PRESENTED BY HAZARDS AND CLIMATE CHANGE

Workshops participants identified areas or assets that were important to the City and those that were particularly vulnerable as a mapping exercise. Strengths and vulnerabilities overlapped along the shoreline and downtown area adjacent to Furnace Brook.



Workshop attendees identified 85 community assets that were either vulnerable to the impacts of climate change or strengths to the City of Quincy. Some of the most frequently identified community assets were access to transportation corridors during severe weather events, access to emergency and medical services, fire departments, schools, pump stations and wastewater treatment, historic properties, pharmacies, grocery stores and areas of commerce. Attendees were also concerned with long term access to public waterfront and parks, and the care of vulnerable populations during and following severe weather events.

Commonly identified mitigation strategies included maintenance and improvements to the storm drain system, ongoing tide gate and seawall maintenance, elevating properties, analysis and construction of flood water pump stations, and an emergency notification system providing residents with early warning of predicted severe weather events. The completed CRB matrix is provided in Appendix D.



## SPECIFIC CATEGORIES OF CONCERNS AND CHALLENGES

### INFRASTRUCTURAL

The workshop participants identified the following infrastructural concerns:

- City-wide transportation corridor access
- Specific Street and Bridges
- Squantum Point Ferry Pier
- MBTA Stations
- National Grid Substations
- Adequate light and power for evacuation routes
- City-wide Emergency Services, including fire, police, urgent care and national guard
- Coastal and inland flood protection, including tide gates, seawalls, stormwater pumps, and drainage network



Table discussions at the May MVP workshop



## SOCIETAL

The following Societal challenges or concerns were raised at the workshops:

- Schools and child care centers located in flood prone areas
- Libraries
- Social Services for Senior and other vulnerable populations
- Low Income Housing
- Homeless Shelters
- Historic Properties
- Quincy Yacht Club



## ENVIRONMENTAL

Environmental concerns were identified across the City by the participants including the following locations:

- Coastal marsh areas
- Public waterfront (beaches and ponds)
- Parks and Golf Course
- Wetlands
- Furnace Brook Parkway

## ECONOMY

Economic concerns or challenges discussed at the workshop include:

- Pharmacies
- Grocery Stores
- Gas Stations
- Hardware and Dry Goods
- Emergency Towing
- Major Employers
- Shell fishing



Table discussions at the May MVP workshop





## CURRENT STRENGTHS AND ASSETS

The City of Quincy has been proactive in preparing for the impacts of climate change in recent years. Since 2015, the City has engaged in local and regional resiliency planning efforts, hired a full time Emergency Management Director, updated its Hazard Mitigation Plan, and is currently in the process of updating its Open Space and Recreation Plan. The City's has successfully obtained a number of state and federal grants to improve infrastructure throughout the City including:

- Seawall Improvements for Houghs Neck and Adams Shore (EEA Dam and Seawall Repair Funding)
- Broad Meadow Marsh Restoration (DER Grant)
- Furnace Brook Restoration (ACOE Grant)
- Stormwater Pumping Station (FEMA Grant)

The Quincy Capital Improvement Plan includes many projects and initiatives that support a Resilient Quincy. The HMP Mitigation Strategy and the MVP CRB selection of top recommendations will help the City continue to prioritize projects and seek funding to implement these important projects.



## TOP RECOMMENDATIONS TO IMPROVE RESILIENCY IN THE CITY OF QUINCY

All Mitigation Projects listed in the HMP Mitigation Strategy and identified in the CRB workshops are a high priority for the city. The list prepared below is subject to change based on evolving conditions in the City.



### HIGHEST PRIORITY

- Emergency Communications System- Police and Fire Radio System Upgrade to improve coverage and add system monitoring and alarming
- Emergency Power Generators- Improve distribution of permanent generators and purchase additional mobile units
- Stormwater Pumping Stations- Design and install stormwater pump stations or purchase mobile pumps to help drain low lying coastal areas after a flood event
- Seawall Construction- Continue to upgrade the 11 miles of existing seawall to accommodate a changing climate
- Building Inspection Records System- Modernize and secure building inspection record system
- Tide Gate Construction and Management Plan- Inventory, evaluate and set up a capital improvement plan for improvements and ongoing maintenance





- Public Education and Post Disaster Support- Address pre and post disaster support, targeting diverse needs of residents and vulnerable populations

#### **MODERATE PRIORITY**

- Drainage Improvements- Continue stormwater upgrades and incorporate green stormwater infrastructure when possible
- Tree Removal Equipment- Purchase required equipment to improve post storm clean-up
- Slope Protection and Infrastructure Hardening- Implement coastal and riverine slope protection and add resiliency to infrastructure as part of new and reconstruction projects
- Sewer System Modernizations- Improving resiliency of the sewer system such as adding remote sensor equipment to improve operations, elevating critical components, etc.
- Sewer System Interceptor Relief- Continue to implement infiltration and inflow removal and make structural improvements to reduce flows to sewer interceptors

#### **LOWER PRIORITY**

- Hurricane Barrier Evaluation- Continue dialog to evaluate regional hurricane barrier
- Coastal Buffer Maintenance- Seek opportunities to maintain and improve coastal buffers for example, removing invasive species and protecting setbacks
- Salt Marsh Restoration- Seek opportunities to restore and maintain critical salt marsh locations
- Seismic Impact Evaluation and Gas Utility Study- Complete municipal building survey and gas utility needs
- O'Rourke Field Conversion- Implement flood storage project

# CRB WORKSHOP PARTICIPANTS

## WORKSHOP #1 ATTENDANCE

Workshop Host: Robert Stevens AICP, Quincy Planning and Community Development

Workshop Facilitators: Gabrielle Belfit, CFM and Janet Moonan, PE, Tighe & Bond

Table Facilitators: James Scribi and Joe King (Quincy Planning), Taylor Walters (NepRWA) Colleen O'Brien and Janet Moonan (Tighe & Bond)

### Workshop #1: April 23, 2019, Municipal Staff and Environmental Agencies Focus Group

Name	Affiliation	Name	Affiliation
Chris Walker*	Mayor's Office	James Scribi	Quincy Planning
James Fatseas	Quincy Planning	Joseph King	Quincy Planning
Robert Stevens*	Quincy Planning	Senator John Keenan	Norfolk and Plymouth
Paul Costello*	Engineering Department	Peter Fifield	Resident
Cheung Tsang	Engineering Department	Keith Johnson	Haley & Aldrich
John Sullivan	Dept of Public Works	John T. Brennon	Quincy Conservation Commission
Chris Cassani*	TPAL	William Keener	Quincy Conservation Commission
Allie Ruel	TPAL	Tom Russo	Woodard & Curran
Ally Sleiman*	Director Emergency Management	Holli Roche	Woodard & Curran
Paul Hines*	Public Buildings	Joe King	Quincy Planning
Gary Cunniff	Public Buildings	Sheldon Bennett	Quincy Stormwater Advisory Comm
Shelly Dein*	Public Buildings	David Murphy*	Tighe & Bond
Cindy DeCristofaro	Health Department	Faye Strigler	Quincy Climate Action Network (QCAN)
Ruth Jones	Health Department	Ida DeVecchio	QCAN
Capt. Richard McCusker	Police Department	Jane Madge	Community Interest Today
Officer Robert Bell	Police Department	Joe Shea	Woodard & Curran
Officer James Curran	Police Department	Taylor Walters	Neponset River Watershed Association (NepRWA)

\*MVP Core Team Members

## WORKSHOP #2 ATTENDANCE

Workshop Host: Robert Stevens AICP, Quincy Planning and Community Development

Workshop Facilitator: Gabrielle Belfit, CFM, Tighe & Bond

Table Facilitators: Robert Stevens and Joe King (Quincy Planning), Taylor Walters (NepRWA) Colleen O'Brien and Gabrielle Belfit (Tighe & Bond)

### Workshop #2: May 14, 2019, Community Members and Non-Profit Focus Groups

Name	Affiliation	Name	Affiliation
John T. Brennon	Quincy Conservation Commission	Bernie Rines	Resident
Ida DeVecchio	Quincy Climate Action Network (QCAN)	Rich Rines	Resident
Faye Strigler	QCAN	Cindy Roche-Cotter	Resident
Will Isenberg	QCAN	Mike Cotter	Resident
Kory Eng	QCAN	Sal Balsamo	Resident
Jon Lanham	Father Bills	Margaret Branschutsky	Resident
Dean Arnold	The Dean of Solar	Colin Barry	Resident
Chris Hirsch	NCPRWA	Kacey Bongarzone	Resident
John Risitano	Stormwater Action Committee (SWAC)	Jonathan Lippert	Resident
James Scribi	Quincy Planning	Ruth Kam	Resident
Robert Stevens*	Quincy Planning	Kenneth Kam	Resident
Joseph King	Quincy Planning	Jonathan Boie	Resident
Shelly Dein*	City of Quincy	David Longuno	NHS
Claire Brennan	Germantown Neighborhood Center/SSYMCA	Rob Corley	NHS
Tim Cahill	Quincy Chamber of Commerce	Tim Doherty	NHS
Keith Johnson	Haley & Aldrich	Donna Ackerman	NHS
Amy O'Brien	Manet CHC	Taylor Walters	NepRWA

\*MVP Core Team Members



# CRB WORKSHOP PROJECT TEAM

The following individuals provided invaluable assistance with coordination and implementation of the workshops and listening session.

## MVP Core Team

Name	Department	Role
Robert Stevens	Planning and Community Department	Project Coordinator/ Core Team Member/ Working Group
Chris Walker	Mayor's Office	Core Team Member/ Working Group
Al Grazioso	Department of Public Works	Core Team Member/ Working Group
Paul Costello	Department of Public Works	Core Team Member/ Working Group
Dave C. Murphy	Parks and Grounds Department	Core Team Member
Shelly Dein	Sustainability, Public Buildings Department	Core Team Member
Ally Sleiman	Office of Emergency Management	Core Team Member
Lt. Robert Gillan	Marine Unit, Police Department	Core Team Member
Chris Cassani	Traffic, Parking, Alarm and Lighting	Core Team Member
Gabrielle Belfit	Tighe & Bond	MVP Lead Presenter/ Facilitator
Janet Moonan	Tighe & Bond	Lead Facilitator/ Presenter
Colleen O'Brien	Tighe & Bond	Lead Table Facilitator/ Logistics Coordinator

# ACKNOWLEDGEMENTS

Many thanks to Rob Stevens for serving as the local Project Coordinator for both the 2019 Quincy Hazard Mitigation Plan 5-year update and the MVP Planning Process. Thanks to the Quincy Mayors Office for supporting this project. A special thanks to all MVP Core Team members and everyone who participated in the CRM workshop as presenters, facilitators, scribes and stakeholders. Thanks to the Quincy City Hall Staff for providing a great meeting space in City Hall for both workshops and the listening session.

Funding for the CRB workshop was provided through a Massachusetts Executive Office of Energy and Environmental Affairs Municipal Vulnerability Planning Grant.

# REPORT CITATION

Tighe & Bond (2019). Community Resilience Building Workshop Summary of Findings, City of Quincy, Tighe & Bond, Inc. Quincy, Massachusetts.

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## APPENDIX A

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## Quincy MVP Core Team Kickoff Meeting Agenda

**ATTENDEES:** Rob Stevens AICP Planning and Community Development  
Paul Costello, PE, Department of Public Works  
Chris Walker, Mayor's Office  
Dave Murphy, PE, Tighe & Bond  
Gabrielle Belfit, CFM, Tighe & Bond

**LOCATION:** Quincy Town Hall

**DATE:** February 27, 2019

**START TIME:** 10:00-11:00 AM

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### Overview Executive Office of Energy and Environmental Affairs (EEA) Municipal Vulnerability Preparedness (MVP) Program and Goals

- Overview of the Community Resilience Building Workshop Guide
- Deliverable deadlines
  - a. Workshops - April 30th
  - b. Draft report and listening session - May 30<sup>th</sup>
  - c. All deliverables to EEA - June 30<sup>th</sup> 2019

### Goal Setting for Workshops (choose one or more)

- Focus on top natural hazard prioritized in the HMP to further define Quincy's vulnerabilities and strengths.
- Review priorities and next steps in the 2019 Hazard Mitigation Plan (HMP). Further discuss, define, and strategize on how to accomplish the highest priority projects.
- Use the CRB Workshops to identify next steps and/or augment specific planning needs and priorities already identified in the 2019 HMP.
- Examine how to integrate climate change planning into other City plans and programs identified in the HMP Capabilities Assessment.

### Stakeholders

- Quincy to assist with identifying and engaging stakeholders not previously involved in the HMP planning process (e.g. business owners, elder service providers, neighboring communities, regional environmental advocates, educators.) to get a broader community perspective on Quincy's societal and environmental vulnerabilities and strengths and their perspective on priority actions identified in the 2019 HMP.
- Review worksheet and suggest assignments to reach goal for 40-50 participants at each workshop

## Workshop Planning

- Review example 4-hour workshop
- Workshop materials will include:
  - Selected base maps of City with critical assets.
  - Climate change data relevant to the City and summary of potential impacts.
  - Geographic summaries of HMP.
  - CBC Risk matrix.
- Locations and dates for Workshops (late April timeframe).
- Staffing workshops- T&B will provide 2 facilitators and up 4 additional staff to coordinate the workshop and facilitate the small groups. For each small groups one volunteer will be chosen to act as scribe and report back to the large group, a few additional volunteers from the City are needed to help facilitate groups, as well as assist with sign-in, setting up the room and refreshments.
- Quincy to assist with news releases and other forms of publicity on workshops.

## Roles and Responsibilities

- Discuss and make assignments with due dates

Item	Responsible Party	Deadline
Prepare workshop materials <ul style="list-style-type: none"> <li>- Slideshow</li> <li>- Handouts</li> <li>- Maps</li> </ul>	Tighe & Bond	March 1, 2019
Coordinate presentation with W&C		March 7, 2019
Develop stakeholder list & contact information		March 7, 2019
Coordinate meeting location, reserve space		March 7, 2019
Political engagement (City Council, Mayor's Office, other Department heads)?		March 15, 2019
Workshop invitations to stakeholders (email, online, social media, letters, etc.)		March 15, 2019
City website notices		March 22, 2019
Press releases		March 29, 2019
Track RSVPs and reach out as needed to meet participation goal		March 29, 2019
Confirm meeting location, and coordinate refreshments		March 29, 2019

Other		
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**Questions & Action Items (5 minute)**

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## CRB Workshop Participant Worksheet

The following guidance is designed to help you and your core team identify a diverse, cross-section of participants for a Community Resilience Building Workshop(s). Ultimately, the participants will be representatives of and vested in a resilient future for your community. The final list of participants is yours to create and will depend largely on the goals and intended outcomes that are right for your community (refer to Step A1 and A2 of the CRB Workshop Guide). Review attached list of participant affiliations from previous Workshops.

### Guiding Questions to Help Surface Workshop Participants:

- A. Who are the key decision makers in your community? (leadership)
- B. Who is directly responsible for implementing decisions? (staff/volunteers)
- C. Who has influence on decisions in your community? (boards, commissions, etc.)
- D. Which entities will be impacted by decisions? (community members)

### CRB Core Team (refer to Step A1 of the CRB Workshop Guide):

Name	Affiliation

### Participants:

Categories - Positions	Name	Affiliation	Vantage Point (State, Regional/County, Local)
<b>LEADERSHIP</b> (Mayor, President, Elected Council Members, Provost, State/US Representatives, CEO, etc.)			
<b>BOARDS, COMMISSIONS, FORMAL COMMITTEES</b> (Planning and Zoning, Finance/Budget/Capital Plan, Conservation, Economic/Community Development, Education, etc.)			

**PUBLIC SAFETY - HAZARD MITIGATION** (Police/Fire/Ambulance; Safety Officer, Homeland Security, Port Authority, CERT, Campus Security, etc.)

[illegible]

**COMMUNITY PLANNING** (Municipal/Campus Planner, Economic Development, Long Range – Regional Planner, Neighborhood Association, Land Trusts, Faith-based/Civic Organization, etc.)

[illegible]

**OTHERS** (Finance, Administration, Operations, Neighborhood Associations, Chamber of Commerce)

[illegible]

**Elected Officials (or equivalents):**

City/Town Council Members – (other appointed boards/commissions)

State Representatives and Senators

U.S. Representatives and Senators (or state-based aids/liaison)

**Corporation Leadership:** CEOs/Board Chair/President (or equivalent)

**Federal Government:** Secretary/Director/Division Head (or equivalent)

**Academia:** Provost/President (or equivalent)

**Municipal Departments (or equivalents):**

Emergency Management & Homeland Security

Engineering Department

Finance Department

Fire Department

Grants Office

Health & Social Services Department

Land Use, Construction & Review Department

Legal Affairs Department

Neighborhood Revitalization Zone Coordinator

Office of Planning & Economic Development

Parks and Recreation Department/Conservation

Police Department

Port Authority

Public Facilities Department

Public Library

Small & Minority Business Resource Office

Special Service Districts

Water Pollution Control Authority

Zoning Department

Corresponding Volunteer or Appointed Boards and Commissions

**Key Stakeholders:**

Water/Power Utility

Museums and Zoos

Sustainability Groups/Committees

Residential/Commercial Real Estate Agencies

Local Chapters of Professional Organizations: (APA, ASLA, PWS, etc.)

Land Grant Universities, Private Universities/Colleges, Community Colleges

Local & Regional Community Foundations

Local/Regional/State Housing Authorities

Major Employers

Environmental/Conservation NGOs

Engineering and Design Consulting Firms

Independent Nursing/Hospice Providers

Animal Shelters

Neighborhood Associations/Partnerships

Chamber of Commerce/Business Councils

### Example Agenda for 7-hour workshop

Time	Activity	Purpose
8:30 AM	Registration and Refreshments	
9:00 AM	Welcome, Workshop Overview, Introductions, Posters Objective: Workshop purpose.	Core Team Lead
9:20 AM	Presentation on Hazards and Vulnerabilities Review recent climate related events Present summary of anticipated climate change Present summary of HMP planning efforts	Tighe & Bond
9:50 AM	<b>Discussion #1</b> - Identify top 4 climate change hazards facing Quincy	Large Group Discussion
10:30 AM	<b>Short Break</b>	
10:45 AM	<b>Discussion #2</b> - Identify features that are vulnerabilities and strengths	Table Groups
12:00 PM	Lunch	
1:00 PM	<b>Discussion #3</b> Identify Actions to address vulnerabilities or protect strengths. Discuss timeframe, responsibility, funding- Prioritize top 5-6 actions	Table groups
2:25 PM	<b>Short Break</b>	
2:40 PM	<b>Discussion #4</b> Small group report out to full group Report out top 5-6 actions	Table groups report out
3:10 PM	Final Discussion – Select top 5-6 priority actions for municipal climate resilience. Discuss timeframe, responsibility, funding	Large Group Discussion
3:50 PM	Wrap up and closing remarks	
4:00 PM	Adjourn	

### Example Agenda for 5- hour workshop

9:30 AM	Sign in, Refreshments	
10:00 AM	Welcome, Introductions	Core Team- Lead
10:20 AM	Climate Change Projections and Implications for Quincy	Tighe & Bond
10:45 AM	Workshop Instructions Presentation	Tighe & Bond
10:55 AM	<b>Discussion #1</b> Identifying Risk Area and Community Strengths	Table groups
12:00 PM	Lunch	
12:45 PM	<b>Discussion #2</b> Identify Actions to address vulnerabilities or protect strengths.	Table groups
1:30 PM	<b>Discussion #3</b> Prioritize Climate Actions	Table groups
2:00 PM	<b>Short Break</b>	
2:15 PM	<b>Discussion #4</b> Small group report out to full group Report out top 5-6 actions	Table groups report out
2:50 PM	Wrap up and closing remarks	
3:00 PM	Adjourn	



## Quincy MVP Core Team Kickoff Meeting Summary

**ATTENDEES:** Rob Stevens AICP, Planning and Community Development  
Al Grazioso, Commissioner, Department of Public Works  
Paul Costello, PE, Department of Public Works  
Chris Walker, Mayor's Office  
Dave Murphy, PE, Tighe & Bond  
Gabrielle Belfit, CFM, Tighe & Bond

**LOCATION:** Quincy Town Hall

**DATE:** February 27, 2019

**START TIME:** 10:00-11:30 AM

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### Overview Executive Office of Energy and Environmental Affairs (EEA) Municipal Vulnerability Preparedness (MVP) Program and Goals

- Gabrielle Belfit provided an overview of the MVP Statewide objectives and described the required planning process following the Community Resilience Building Workshop Guide. The overall state planning objective is to have every MA municipality complete a comprehensive baseline climate change and natural hazard vulnerability assessment and develop a prioritized action for dealing with priority hazards.
- The MVP deliverable deadlines are as follows:
  - a. Workshops - April 30th
  - b. Draft report and listening session - May 30<sup>th</sup>
  - c. All deliverables to EEA - June 30<sup>th</sup>, 2019

### Goal Setting for Workshops

The core team (Team) discussed potential workshop goals. Based on the work completed to date through the HMP, the last goal (in bold) was selected

- Focus on top natural hazard prioritized in the HMP to further define Quincy's vulnerabilities and strengths.
- Review priorities and next steps in the 2019 Hazard Mitigation Plan (HMP). Further discuss, define, and strategize on how to accomplish the highest priority projects.
- Use the CRB Workshops to identify next steps and/or augment specific planning needs and priorities already identified in the 2019 HMP.
- **Examine how to integrate climate change planning into other City plans and programs identified in the HMP Capabilities Assessment. Provide community outreach opportunity for Quincy Hazard Mitigation Planning.**

### Stakeholders

- The Team discussed how Quincy could effectively identify and engage stakeholders not previously involved in the HMP planning process (e.g. business owners, elder

service providers, neighboring communities, regional environmental advocates, educators.) to get a broader community perspective on Quincy's societal and environmental vulnerabilities and strengths and their perspective on priority actions identified in the 2019 HMP.

- The MVP stakeholder worksheet was reviewed, and the working group suggested assignments to reach out to potential participants with a target goal for 40-50 participants at each workshop

### Workshop Planning

- An example 4-hour workshop schedule was presented, and there was consensus that 2 4-hour workshops would work best for Quincy, one to target municipal department, and the second one to target businesses, institutions and community representatives
- Workshop materials have been drafted and examples were presented including:
  - Selected base maps of City with critical assets
  - Climate change data relevant to the City and summary of potential impacts
  - Geographic summaries of HMP- the summaries were distributed, and the Team will respond back with any comments by March 8<sup>th</sup>.
  - CBC Risk matrix
- Locations and dates for Workshops were discussed, and City Hall was the unanimous choice (Two dates in April were reserved for the City Hall conference area for April 9 and 23).
- Workshop logistics were discussed including facilitation and additional coordination- T&B will provide 2 facilitators and up 4 additional staff to coordinate the workshop and facilitate the small groups. A few additional volunteers will be needed to help facilitate groups, assist with sign-in, setting up the room and refreshments. Staff from the Mayor's office will assist with room and catering needs and staff from the Neponset River Association may be available to assist with the additional facilitation.
- Quincy agreed to assist with news releases and other forms of publicity on workshops.

### Roles and Responsibilities

- Assignments and due dates were determined as follows:

Item	Responsible Party	Deadline
Prepare workshop materials <ul style="list-style-type: none"> <li>- Slideshow</li> <li>- Handouts</li> <li>- Maps</li> </ul>	Tighe & Bond	March 1, 2019
Coordinate with W&C	Tighe & Bond	March 8, 2019
Develop stakeholder list & contact information	Rob Stevens will email core team to finalized worksheet	March 8, 2019
Coordinate meeting location, reserve space	Chris Walker/ Katy McDonough	March 7, 2019 (done)

Political engagement (City Council, Mayor's Office, other Department heads)?	Chris Walker	March 15, 2019
Workshop invitations to stakeholders (email, online, social media, letters, etc.)	Rob Stevens with assistance from Mayor's office	March 15, 2019
City website notices	IT	March 22, 2019
Press releases	Chris Walker	March 29, 2019
Track RSVPs and reach out as needed to meet participation goal	Planning/ Mayor's Office	March 29, 2019
Confirm meeting location, and coordinate refreshments	Katy McDonough	March 29, 2019
Other		

**Questions & Action Items (5 minute)**

J:\Q\Q0019 Quincy, MA Consultant Review Services\Q0019-028 MVP Grant\Kickoff Meeting 1.27.18\MVP Kickoff Meeting Summary 2.27.19.docx

MVP - Kick-off

2/27/2019

Rob Stevens, Deputy Planning Director

617-376-1411

Paul Costello, City Engineer

617-376-1937

AL GHAZIOU

Commissioner of Public Works

617-376-1857

DAVID MURPHY

TIGHE & BOND

617-319 0447

GABRIELLE BELFIT

" & "

CHRIS WALKER

Mayor's Office

617-376-1990

Gabrielle Best

Tighe & Bond



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## APPENDIX B

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## DEPARTMENT OF PLANNING & COMMUNITY DEVELOPMENT

34 Coddington Street, 3<sup>rd</sup> Floor – Quincy, Massachusetts 02169  
Tel. 617-376-1362 Fax 617-376-1097  
TTY/TDD 617-376-1375



JAMES J. FATSEAS  
Director

THOMAS P. KOCH  
Mayor

Dear Community Partner,

At the direction of the Mayor's Office, the City is pursuing Municipal Vulnerability Preparedness designation under the Commonwealth's MVP Program. As part of the designation process, you are invited to attend Community Resilience Building Workshop at the **Quincy City Hall Lower Level Conference Room on Tuesday April 23<sup>rd</sup> from 8:30 am -1:00 pm**. This invitation also extends to any of your colleagues and members of relevant boards or committees your department supports that may have an interest in attending.

Given previous and ongoing events like the January 4<sup>th</sup> winter storm with record setting high tides, and the three back to back Nor'easters in March 2018, we now find ourselves in a new era of more unpredictable and severe weather patterns that can potentially cause more damage to the City of Quincy's residences, infrastructure, businesses and natural resources.

This workshop will feature the analysis performed for the 5-year update to the City's Hazard Mitigation Plan (HMP) and will help Quincy continue to identify and prioritize steps to reduce risk and improve resilience across our community. A copy of the HMP is on the Planning Department front page of the City's website or by clicking on the following link:

<https://www.quincyma.gov/civicax/filebank/blobdload.aspx?t=43406.71&BlobID=32581>

The workshop is supported by a recent MVP Planning Grant award from the Commonwealth allowing the City to partner with the engineering firm of Tighe & Bond who will help facilitate the workshop. The Workshop Objectives are as follows:

- Hear from stakeholders like you who can help evaluate our community's strengths and vulnerabilities of residents, infrastructure, and natural resources.
- Understand connections between natural hazards and local planning/mitigation efforts.
- Develop and prioritize resilient actions for the municipality, local organizations, institutions businesses, private citizens, neighborhoods, and community groups.
- Identify immediate opportunities to advance actions that reduce the impact of hazards and increase resilience in our community.

Please RSVP for the April 23<sup>rd</sup> Workshop as soon as possible to the Quincy Planning Department Attention Joe King at [JKing@Quincyma.gov](mailto:JKing@Quincyma.gov) or 617-376-1168.

I look forward to seeing you on April 23<sup>rd</sup>.

Sincerely,

A handwritten signature in blue ink, appearing to read 'James J. Fatseas'.

James J. Fatseas, Planning Director

## Meeting Agenda

**ATTENDEES:** Quincy Municipal Vulnerability Preparedness  
Community Resilience Building Workshop

**LOCATION:** Quincy City Hall

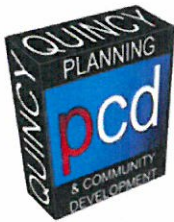
**DATE:** April 23, 2019

**START TIME:** 8:30 AM

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8:30 AM	Sign in, Refreshments	
9:00 AM	Welcome, Introductions	Core Team- Lead
9:10 AM	Climate Change the Quincy Hazard Mitigation Plan	Tighe & Bond
9:25 AM	Workshop Instructions Presentation	Tighe & Bond
9:40 AM	Discussion #1 Identifying Risk Area and Community Strengths	Table groups
10:20 AM	Short Break	
10:30 AM	Discussion #2 Identify Actions to address vulnerabilities or protect strengths.	Table groups
11:10 AM	Short Break	
11:20 AM	Discussion #3 Prioritize Climate Actions	Table groups
11:45 PM	Short Break	
12:00 PM	Discussion #4 Small group report out to full group top 5-6 actions	Table groups report out
12:45 PM	Wrap up and closing remarks	
1:00 PM	Adjourn	

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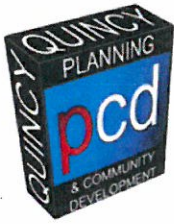
JAMES J. FATSEAS  
Director

THOMAS P. KOCH  
Mayor

City of Quincy  
Municipal Vulnerability and Preparedness Stakeholder Workshop  
April 23, 2019  
Quincy City Hall Lower Level Conference Room  
8:30 am -1:00 pm

Name	Affiliation	Contact Information – Email or Phone
Cheung Tsang	DPW - City of Quincy Dep. Public Building	617-376-1963 ctsang@quincyma.gov
Paul Hines	City of Quincy	phines@quincyma.gov
Chris Cassani	TPAL	ccassani@quincyma.gov
GARY CUNNIFF	City of Quincy Public Bldgs Dept	857-939-9419 gcuniff@quincyma.gov
JOHN SULLIVAN	DPW Waste Manager	617-376-7556 john.sullivan@quincyma.gov
Tom Russo	W&C	617-910-1847 trusso@woodardcurran.com
Allie Ruel	TPAL	857-939-6423 aruel@quincyma.gov
Jim Fatseas	City of Quincy Planning Director	617-371-7142 jfatseas@quincyma.gov
Rob Stevens	City of Quincy Planning	617-376-1411 Rstevens@quincyma.gov





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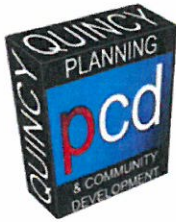


JAMES J. FATSEAS  
Director

THOMAS P. KOCH  
Mayor

City of Quincy  
Municipal Vulnerability and Preparedness Stakeholder Workshop  
April 23, 2019  
Quincy City Hall Lower Level Conference Room  
8:30 am -1:00 pm

Name	Affiliation	Contact Information – Email or Phone
Joe King	Quincy Planning	jking@quincyma.gov 617-376-1168
Sheldon Bennett	Quincy Storm Water Advisory Committee	sbennett@ earthlink.net
B. J. Keenan	Conservation Comm.	William Keenan & rc144@mail.com
DAVID MURPHY	T&B	DMURPHY@TIGHEBOND.COM 617 319 0447
John Brennan	Conservation COM	JTBRENNAN@Comcast.net 617-479-8156
Ruth Jones	Quincy Health Dept.	rjones@quincyma.gov
Chris Walker	Mayor's Office	CWALKER@quincyma.gov
John Keenan	State Senator	John.Keenan@ MASenate.gov



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Director

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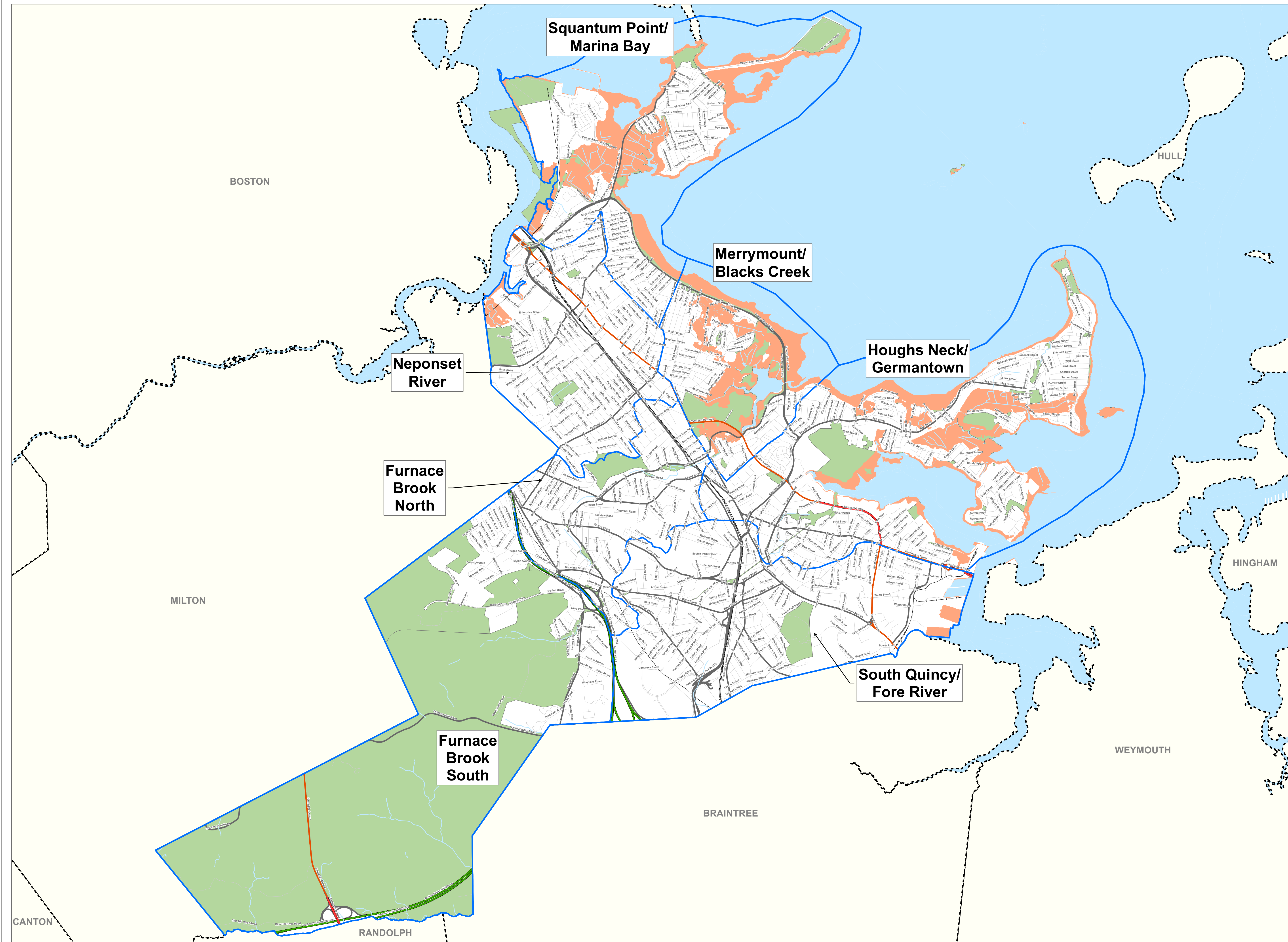
City of Quincy  
Municipal Vulnerability and Preparedness Stakeholder Workshop  
April 23, 2019  
Quincy City Hall Lower Level Conference Room  
8:30 am -1:00 pm

Name	Affiliation	Contact Information – Email or Phone
Aly Steiman	Quincy Emergency Management	asteiman@quincyma.gov
Rick McCusker	Quincy Police	rmccusker@quincyma.gov 617-775-3447
Cindy DeCristofaro	Quincy Health	cdecristofaro@quincyma.gov 617-376-1278
James Scribi	Quincy Planning	Jmsscibi@quincyma.gov 617-376-1378
Holli Roche	Citizen/ Woodard & Curran	Hroche@woodardcurran.com 781-613-0513
Joe Shea	Woodard & Curran	jshea@woodardcurran.com 781-613-0513
Bob Bell	Quincy Police	rbell@quincyma.gov 617 839 3431
Peter Filfield	Resident	617.479.3913 pfilfield@verizon.net
Paul Costello	Quincy Engineer	617-376-1937 pcostello@quincyma.gov



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### Quincy, MA Community Assets

LEGEND

- Planning Areas
- NOAA SLR - 2ft
- Natural Resources

LOCUS MAP

0 3,500  
Feet  
1:21,000

NOTES

Map Created for City of Quincy. Resource data provided by: Bureau of Geographic Information (MassGIS), Commonwealth of Massachusetts, Executive Office of Technology and Security Services Executive Office of Environmental Affairs, Federal Emergency Management Agency (FEMA) National Flood Hazard Layer, City of Quincy, Metropolitan Area Planning Council, and MassDOT

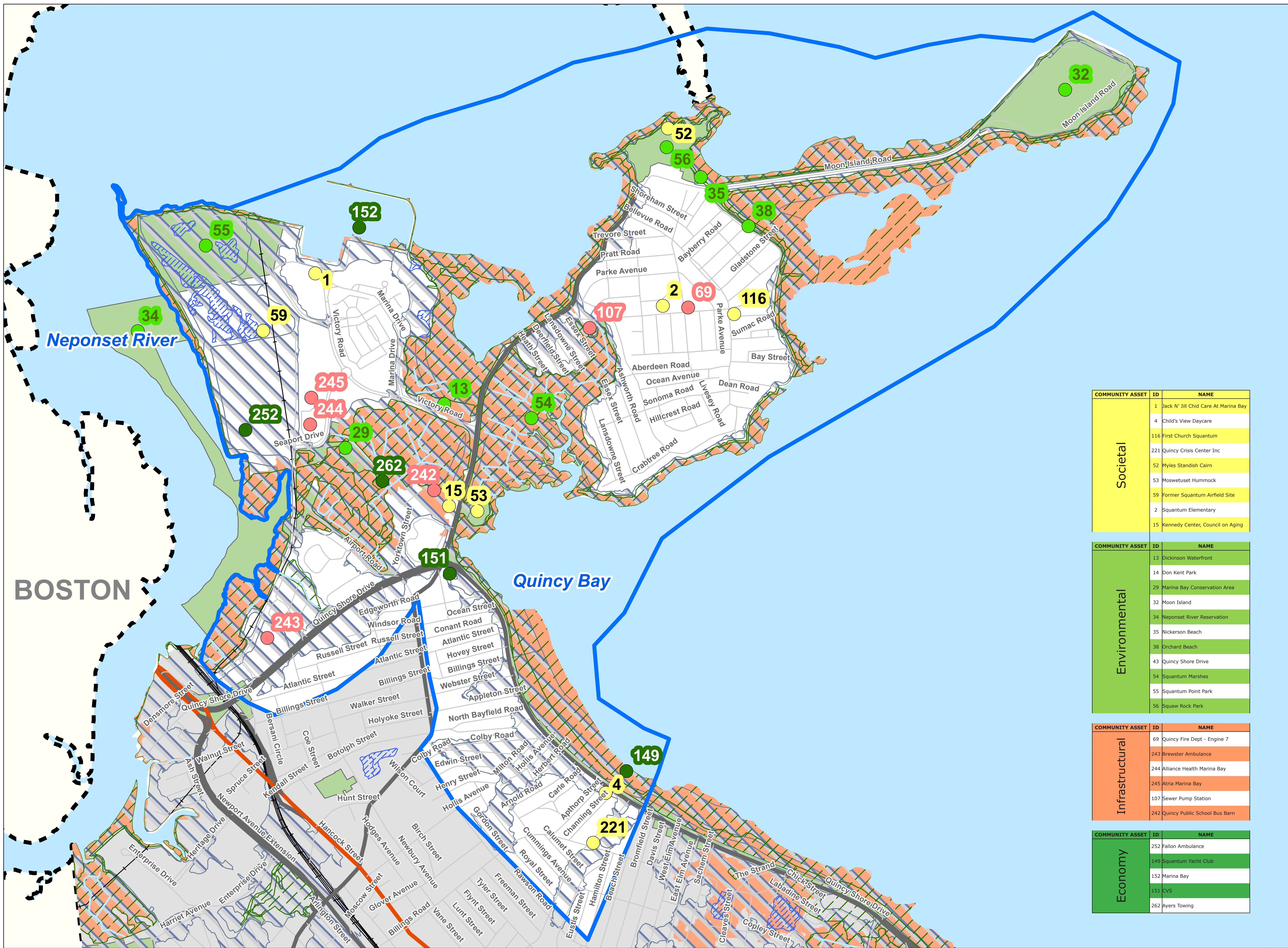
Multi Hazard Mitigation Plan  
Multi-Hazard

Quincy, Massachusetts

March 2019

**Tighe&Bond**  
Engineers | Environmental Specialists





### Quincy, MA Community Assets

LEGEND

**Community Assets**

- Societal
- Environmental
- Infrastructural
- Economy

Planning Areas

Inland Wetlands

Coastal Wetlands

100 Year Flood Zone

NOAA SLR - 2ft

Natural Resources

LOCUS MAP

0 1,200  
Feet

1:7,200

NOTES

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Multi Hazard Mitigation Plan  
Squantum Point/ Marina Bay

Quincy, Massachusetts

March 2019

**Tighe&Bond**  
Engineers | Environmental Specialists

COMMUNITY ASSET	ID	NAME
Societal	1	Jack N' Jill Child Care At Marina Bay
	4	Child's View Daycare
	116	First Church Squantum
	221	Quincy Crisis Center Inc
	52	Myles Standish Cairn
	53	Moswetuset Hummock
	59	Former Squantum Airfield Site
	2	Squantum Elementary
	15	Kennedy Center, Council on Aging

COMMUNITY ASSET	ID	NAME
Environmental	13	Dickinson Waterfront
	14	Don Kent Park
	29	Marina Bay Conservation Area
	32	Moon Island
	34	Neponset River Reservation
	35	Nickerson Beach
	38	Orchard Beach
	43	Quincy Shore Drive
	54	Squantum Marshes
	55	Squantum Point Park
	56	Squaw Rock Park

COMMUNITY ASSET	ID	NAME
Infrastructural	69	Quincy Fire Dept - Engine 7
	243	Brewster Ambulance
	244	Alliance Health Marina Bay
	245	Atria Marina Bay
	107	Sewer Pump Station
	242	Quincy Public School Bus Barn

COMMUNITY ASSET	ID	NAME
Economy	252	Fallon Ambulance
	149	Squantum Yacht Club
	152	Marina Bay
	151	CVS
	262	Ayers Towing



BOSTON

Quincy Bay

Blacks Creek

Furnace Brook

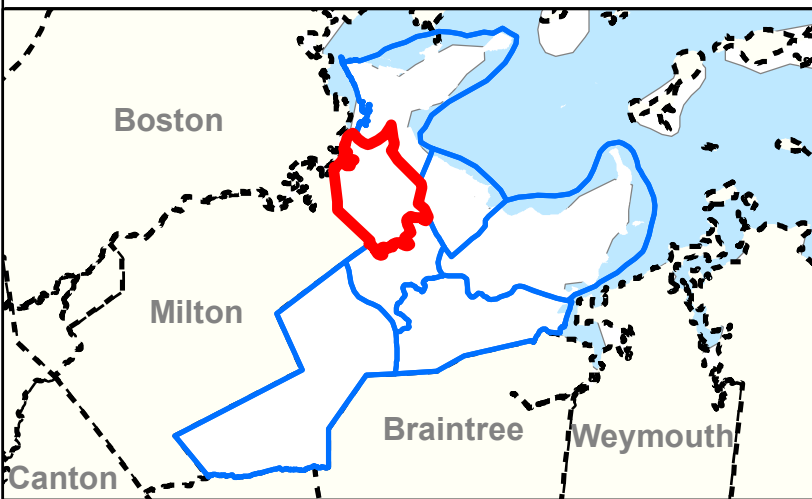
Quincy, MA  
Community Assets

LEGEND

Community Assets

- Societal
- Environmental
- Infrastructural
- Economy
- Planning Areas
- Inland Wetlands
- Coastal Wetlands
- 100 Year Flood Zone
- NOAA SLR - 2ft
- Natural Resources

LOCUS MAP



0 1,200  
Feet

1:7,200

NOTES

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Services Executive Office of Environmental Affairs, Federal  
Emergency Management Agency (FEMA) National Flood  
Hazard Layer, City of Quincy, Metropolitan Area Planning  
Council, and MassDOT

Multi Hazard Mitigation Plan  
Neponset River

Quincy, Massachusetts

March 2019

Tighe&Bond  
Engineers | Environmental Specialists

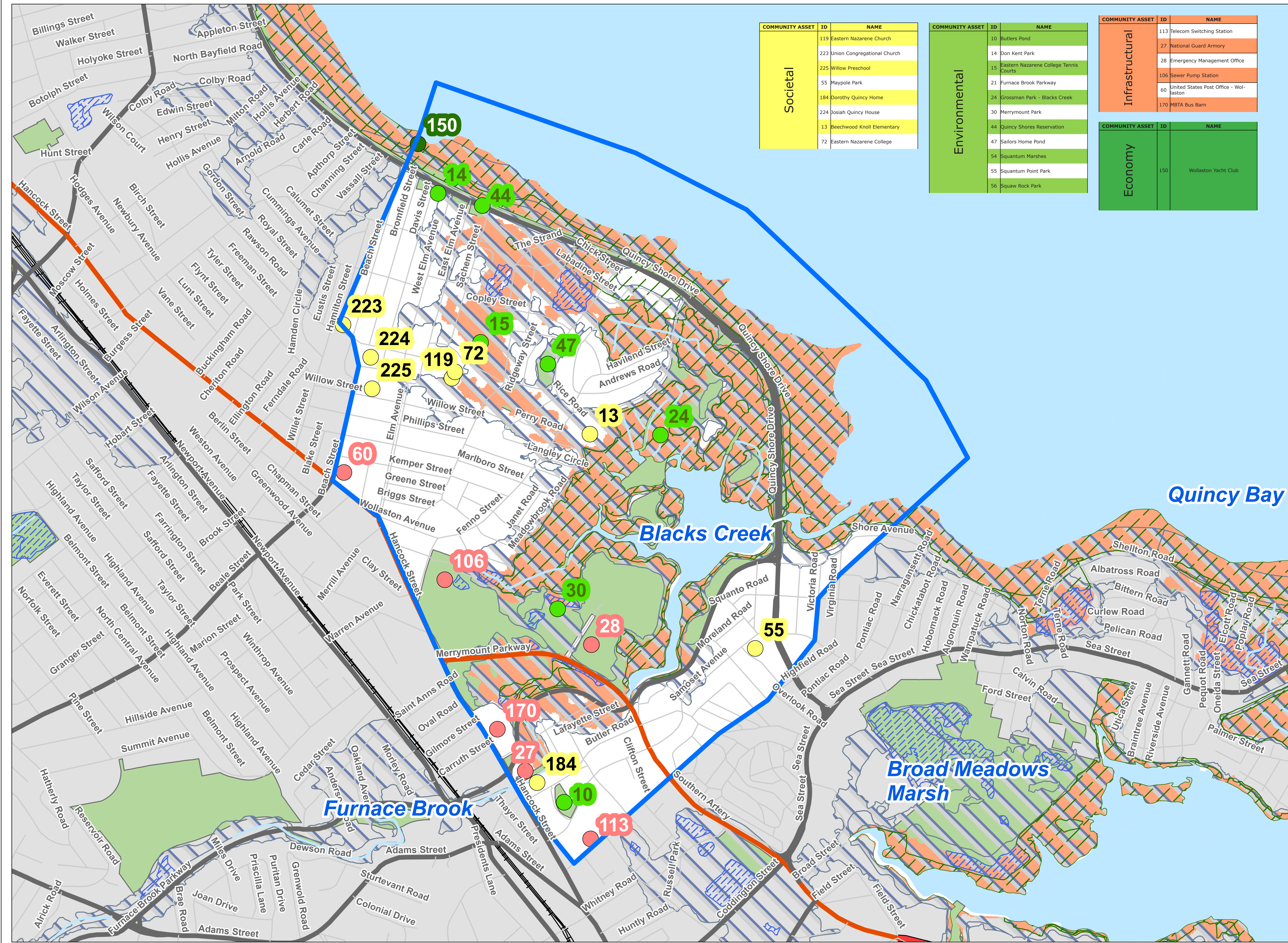
COMMUNITY ASSET	ID	NAME
Environmental	20	Furnace Brook Golf Club
	25	Hobart Street Woods
	41	Presidents Golf Course
	43	Quincy Shore Drive
	50	Sherman Street Bog
	58	Teel Field
	12	Derubeis

COMMUNITY ASSET	ID	NAME
Infrastructural	67	Quincy Fire Dept - Engine 2
	68	Quincy Fire Dept - Engine 4
	235	South Cove Health Center
	247	Manet Community Health Center - North Quincy
	61	Lydon Russell Funeral Home
	66	Deware Funeral Home
	111	Substation
	112	Substation
	115	Water Feed
	71	United States Post Office
	162	Neponset Bridge
	163	MBTA Bridge
	168	MBTA North Quincy Train Station
	169	MBTA Wollaston Train Station

COMMUNITY ASSET	ID	NAME
Economy	249	Granite Telecommunications
	263	State Street Bank and Trust Company
	120	Stop & Shop
	228	New York Mart
	236	Big Y Supermarket
	237	Danny's Hardware
	121	Stop & Shop Pharmacy
	122	CVS
	238	Walgreens

COMMUNITY ASSET	ID	NAME
Societal	12	Fenno House
	3	South Shore Day Care, Inc.-quincy Pre-school
	9	Kids Connection Child Care
	10	Toddler Tech Preschool
	36	St. Chrysostom's Day Care
	117	Sacred Heart Church
	118	St Ann's Church
	222	Wollaston Lutheran Church
	229	Wollaston Methodist
	231	Chinese Baptist Church
	232	Wollaston Evangelical
	233	First Baptist Church
	234	Wollaston Congregational
	241	Memorial Congregational
	246	Born Again Baptist
	248	Good Shepherd Lutheran Church
	239	North Quincy Community Center
	240	Boston Chinese Neighborhood Center
	230	TCPL Wollaston
	7	Francis W Parker Elementary
	173	Sacred Heart Grammar School
	5	Atlantic Middle School
	6	North Quincy High
	8	Sacred Heart Elementary
	11	Montclair Elementary
	20	Wollaston Elementary School
	17	Twelve Step Education Program Of Ne, Inc.
	23	Cornerstone Campus Preschool
	64	Bright Horizon's Children's Center





COMMUNITY ASSET	ID	NAME
Societal	119	Eastern Nazarene Church
	223	Union Congregational Church
	225	Willow Preschool
	55	Maypole Park
	184	Dorothy Quincy Home
	224	Josiah Quincy House
	13	Beechwood Knoll Elementary
	72	Eastern Nazarene College

COMMUNITY ASSET	ID	NAME
Environmental	10	Butlers Pond
	14	Don Kent Park
	15	Eastern Nazarene College Tennis Courts
	21	Furnace Brook Parkway
	24	Grossman Park - Blacks Creek
	30	Merrymount Park
	44	Quincy Shores Reservation
	47	Sailors Home Pond
	54	Squantum Marshes
	55	Squantum Point Park
	56	Squaw Rock Park

COMMUNITY ASSET	ID	NAME
Infrastructural	113	Telecom Switching Station
	27	National Guard Armory
	28	Emergency Management Office
	106	Sewer Pump Station
	60	United States Post Office - Wollaston
	170	MBTA Bus Barn

COMMUNITY ASSET	ID	NAME
Economy	150	Wollaston Yacht Club

### Quincy, MA Community Assets

LEGEND

**Community Assets**

- Societal
- Environmental
- Infrastructural
- Economy

Planning Areas

Inland Wetlands

Coastal Wetlands

100 Year Flood Zone

NOAA SLR - 2ft

Natural Resources

LOCUS MAP

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Multi Hazard Mitigation Plan  
Merrymount/ Blacks Creek

Quincy, Massachusetts

March 2019

**Tighe&Bond**  
Engineers | Environmental Specialists