

Municipal Vulnerability Preparedness (MVP) Program

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MA Executive Office of Energy and Environmental Affairs

MVP Program Grants

Planning GRANT (MVP 2.0)

Prescribed planning process
99% of the Commonwealth has completed (MVP 1.0)
~\$90,000 per plan over 2 years
Develops priority action items



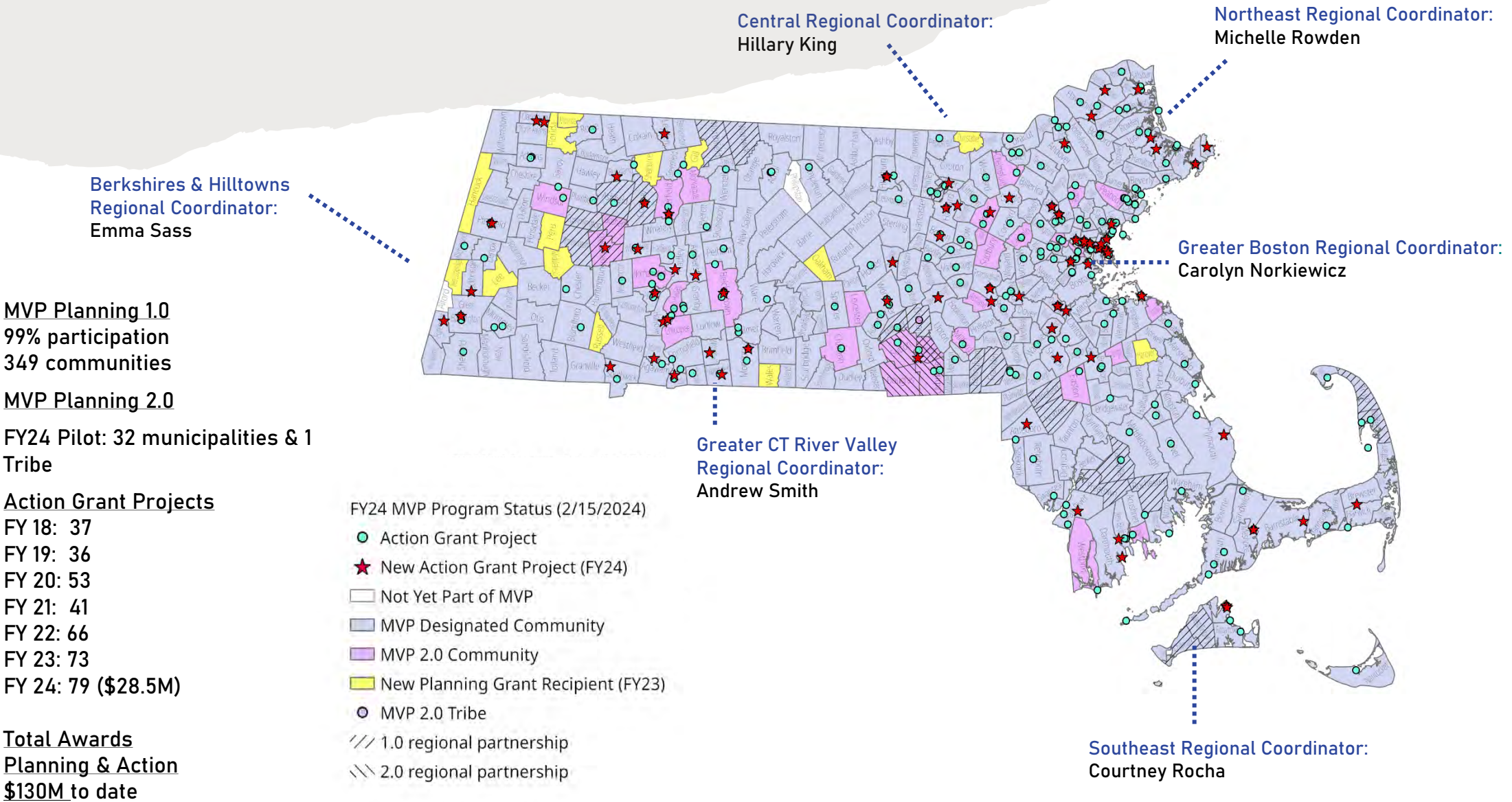
Action GRANT

Open to MVP communities, political subdivisions of the Commonwealth, & federally recognized tribes
Up to \$3M per project, and \$5M per regional project
At least \$20-40M available



MVP Program Status

MVP Director: Kara Runsten
 MVP Deputy Director: Marissa Robertson
 MVP Program Coordinator: Elder González Trejo
 GIS Specialist: Sula Watermulder



MVP Planning 1.0

99% participation
 349 communities

MVP Planning 2.0

FY24 Pilot: 32 municipalities & 1 Tribe

Action Grant Projects

- FY 18: 37
- FY 19: 36
- FY 20: 53
- FY 21: 41
- FY 22: 66
- FY 23: 73
- FY 24: 79 (\$28.5M)

Total Awards

Planning & Action
\$130M to date



Action Grant Requirements

Eligible Applicants

- “MVP Certified” Municipalities
- Political subdivisions of the Commonwealth
- Federal and state recognized tribes

Project stages

- 1.Planning, Assessments, Capacity-Building, and Regulatory Updates
- 2.Design and Permitting
- 3.Construction and On-the-Ground Implementation

Funding

- \$3M max per project, \$5M Regional Projects
- 10% match, 0% for tribes

Successful Projects...

**Emphasize Nature
Based Solutions,
Environmental Justice,
Community
Engagement and
Equity**

**Incorporate 10 MVP
Core Principals**



Coonamessett Bog Restoration,
Falmouth FY19 MVP Action Grant

South Watuppa Pond Green Infrastructure – Blue Water Restoration Project

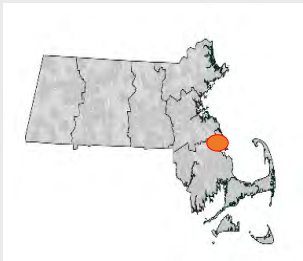


City of Fall River FY2023

Learn more:

[Watuppa Reserve Project Website](#)

[Project Facebook Page](#)



AWARD

\$415,127

MATCH

\$138,075.50

PROJECT TYPE

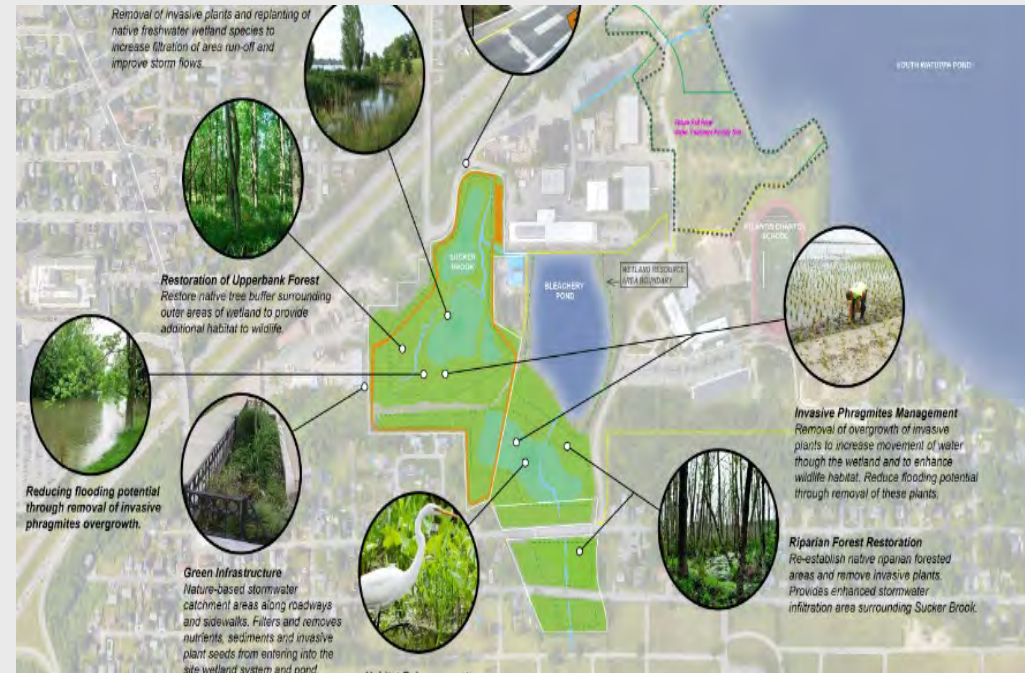
Planning and Design

CORE PRINCIPLES DEMONSTRATED

Utilizing Regional Solutions Toward Regional Benefit; Conducting Robust Community Engagement; And Achieving Broad And Multiple Community Benefits

DESCRIPTION

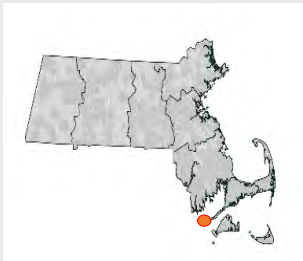
- Three municipalities (Fall River, Tiverton, and Westport) partnered to design three stormwater treatment retrofit projects protecting South Watuppa Pond.
- Investigated wetland restoration alternatives for the Sucker Brook Wetland Area, upstream of the Pond, to reduce flooding and improve water quality. Collaborated with neighboring Atlantis Charter School on public access and visioning.
- Partnered with Groundwork Southcoast to conduct public outreach and engagement.



Assawompset Ponds Complex Watershed Management and Climate Action Plan



Lakeville Lead – Regional Grant FY21-22



Learn More:

- [Final Plan Document](#)
- [Project Webpage](#)

AWARD \$93,236 **MATCH** \$32,500

PROJECT TYPE Planning, Assessments, and Regulatory Updates

CORE PRINCIPLES DEMONSTRATED Utilizing Regional Solutions toward Regional Benefit; Utilizing Climate Change Data for Proactive Solution

DESCRIPTION

- Plan had to balance the interests of public water supply, herring and other species habitat, recreation needs, and floodwater mitigation through intensive research and stakeholder/public engagement across six communities.
- The final plan included 90 action items that are a mix of grey/green and physical/regulatory steps for improving the watershed, and a 12-point prioritized plan for immediate next steps for invasive weed removal and mitigation, sedimentation alleviation, and dam removal/retrofit.



Pound Pond Flood Mitigation & Storm Drainage Improvements



Dennis, MA FY22



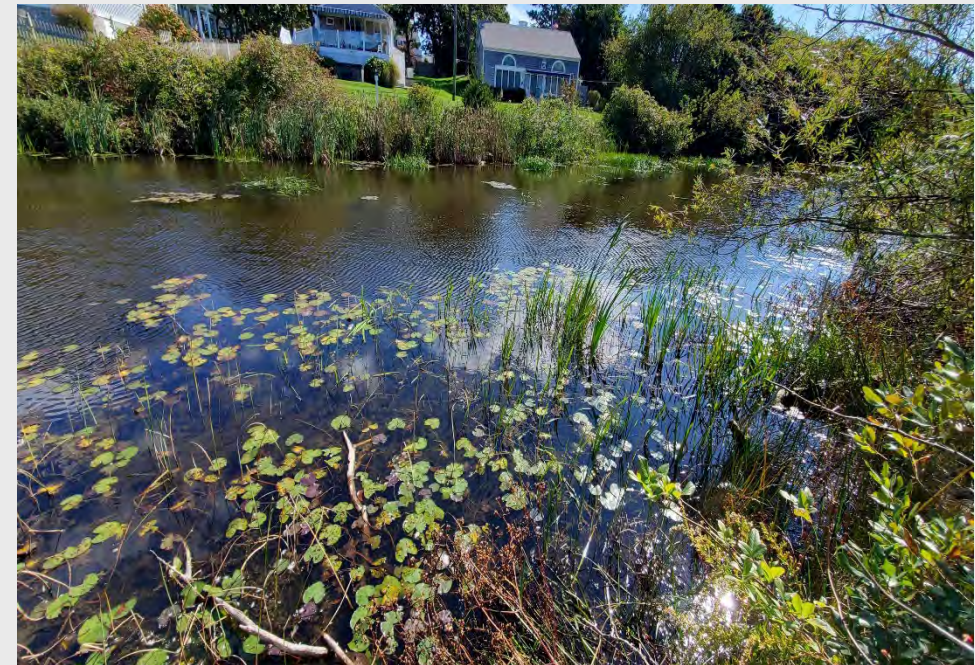
AWARD \$120,000 **MATCH** \$40,000

PROJECT TYPE Design and Permitting

CORE PRINCIPLES DEMONSTRATED Employing Nature Based Solutions; Committing to monitoring project success and maintaining the project into the future

DESCRIPTION The project goal is to restore Pound Pond at Seaview Park in Dennis to provide water quality, habitat and flood plain improvements. The tasks included:

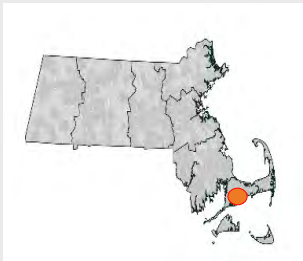
- Completing hydrologic and hydrologic modeling using climate change data, topographic and wetlands survey
- Ongoing public engagement with EJ community and local stakeholders
- Preparing permit level design and opinion of preliminary construction costs (OPCC)
- Preparing and submitting relevant local, state and federal permits
- Completing a Wetland Monitoring and Site Maintenance Plan



Increasing Resilience to Harmful Algal Blooms in Santuit Pond Stormwater Retrofit Implementation Phase 1



Mashpee FY23



<https://www.mashpeema.gov/natural-resources/mvp-grant-award-watershed-based-solutions-increase-resilience-harmful-algal-blooms>

AWARD

\$469,037

MATCH

\$159,366

PROJECT TYPE

Construction and On-the-Ground Implementation

CORE PRINCIPLES DEMONSTRATED

Employing Nature-Based Solutions; Supporting Strong Partnerships with Climate Vulnerable Populations

DESCRIPTION

- Constructed a priority green infrastructure stormwater retrofit along Timberlane Drive to reduce loadings of phosphorus, sediment, and other pollutants to Santuit Pond
- Developed a refined concept for repurposing of the Town Landing site that reflects stakeholder input and advances the Town's water quality and climate resilience goals
- Continued partnership between Town of Mashpee and Mashpee Wampanoag Tribe

Timberlane Drive Stormwater Retrofit



Refined Design Concept – Town Landing



Thank you!