Town of Mashpee

208 COMPLIANCE REPORT | 2019

TEAM

Team members engaged in water quality planning efforts.

Town Team:
- Sewer Commissioners
- Natural Resources Director
- Town Planner
- GHD, Inc.

Collaborations:
- Joint Base Cape Cod
- Town of Barnstable
- Town of Bourne
- Town of Falmouth
- Town of Sandwich

MS4 COMPLIANCE

12 Cape Cod towns are required to address stormwater discharge under the MS4 Permit. Towns with nitrogen impaired waters must meet additional permit requirements.

- Subject to MS4 Permit
- Additional nitrogen related requirements
- In compliance with MS4 Permit requirements

PRIORITY WATERSHED PROGRESS

Plans and permits in the priority watersheds as identified by the 208 Plan Implementation Report in 2017:

Town of Mashpee
- Town(s) with Joint Agreement or Plan in Place
- Priority Watershed
- Watershed

Ms4 Compliance

12 Cape Cod towns are required to address stormwater discharge under the MS4 Permit. Towns with nitrogen impaired waters must meet additional permit requirements.

- Subject to MS4 Permit
- Additional nitrogen related requirements
- In compliance with MS4 Permit requirements

Town Meeting Approved Funding $99.8K
Grant Funding Received $375K
Non-Traditional Projects Underway 3
Total Flow Collected by Centralized Systems 77K gpd
All Properties Served by Centralized Systems 16

Other

Progress shown is for the period from Oct. 2017 through June 1, 2019
The Cumulative Town Snapshot section summarizes the snapshot categories since 2015
*Flow collected from Mashpee Commons
*Three Watershed, ~1% nitrogen allocation for Mashpee
IMPLEMENTATION

Actions taken relative to plan and project implementation and regulatory and town meeting actions.

PROJECT STATUS

<table>
<thead>
<tr>
<th>Project</th>
<th>Reduction Project</th>
<th>Remediation Project</th>
<th>Restoration Project</th>
<th>Start Date</th>
<th>Pilot project</th>
<th>Project Stage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wastewater Treatment Improvements</td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td>FEASIBILITY</td>
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<tr>
<td>Popponesset Bay Aquaculture</td>
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<td></td>
<td>IMPLEMENTATION</td>
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<tr>
<td>Mashpee River Aquaculture</td>
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<td></td>
<td>IMPLEMENTATION</td>
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<tr>
<td>Quashnet/Moonakis River Aquaculture Feasibility Study (determined not feasible)</td>
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<td>FEASIBILITY</td>
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</tbody>
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FUNDING

Actions taken during the reporting period to secure funding for water quality improvement plans and projects.

- Cape Cod and Islands Water Protection Fund Member Community

Town Meeting Funding Actions

- 2017 Shellfish aquaculture in Popponesset Bay and Waquoit Bay ($49,500 Approved)
- 2018 Shellfish aquaculture in Popponesset Bay and Waquoit Bay ($39,000 Approved)
- 2019 Upgrade to fulltime position for shellfish as part of wastewater management plan ($11,268 Approved)

Grant Funding

- 2017 Community Compact Efficiency and Regionalization Grant: Regional Wastewater Management with Joint Base Cape Cod ($135,000 Awarded - Partner)
- 2017 District Local Technical Assistance: Cape Cod Stormwater Coalition ($24,965 Awarded - Partner)
- 2018 District Local Technical Assistance: MS4 Stormwater Permit Compliance ($35,000 Awarded - Partner)
- 2018 Community Compact Efficiency and Regionalization Grant: Study of the Potential Use of the JBCC Wastewater Facilities by Upper Cape Towns ($140,000 Awarded - Partner)

LOCAL REGULATORY ACTIONS

- Fertilizer By-Law in Place
- Zoning Changes
  - None in reporting period
- Adoption of Regulations
  - None in reporting period

TOWN MEETING IMPLEMENTATION ACTIONS

- 2017 Chapter 107 – Mashpee Nutrient Control Bylaw (Approved)
- 2017 Popponesset Bay IMA (Approved)
- 2018 Community Septic Loan (Authorization)
- 2019 Dedicate, 75% of local option tax to new capital fund (Approved)