**Town of Barnstable**

**208 COMPLIANCE REPORT | 2020**

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### TEAM

Team members engaged in water quality planning efforts.

**Town Team:**
- Water Resources Advisory Committee (dissolved 2017)
- Department of Public Works
- Planning and Development Department
- MassDEP
- SMAST
- Barnstable Clean Water Coalition

**Collaborations:**
- Town of Mashpee
- Town of Sandwich
- Town of Yarmouth
- Town of Bourne
- Town of Falmouth
- JBCC

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### 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 partial compliance with MS4 Permit requirements

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### PRIORITY WATERSHED PROGRESS

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

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

---

**S Y M B O L L E G E N D**

- Complete or Approved
- Partial
- Not Shared or Not Approved
- Not Available

**O T H E R L E G E N D**

- Progress shown is for the period from June 2019 through November 2020
- The Cumulative Town Snapshot section summarizes the snapshot categories since 2015

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**CUMULATIVE TOWN SNAPSHOT SINCE 208 PLAN APPROVAL**

- **$42.6M** TOWN COUNCIL APPROVED FUNDING
- **$1.96M** GRANT FUNDING RECEIVED
- **4** NON-TRADITIONAL PROJECTS UNDERWAY
- **1.6M gpd** TOTAL FLOW COLLECTED BY CENTRALIZED SYSTEMS
- **3,102** ALL PROPERTIES SERVED BY CENTRALIZED SYSTEMS
Town of Barnstable
208 COMPLIANCE REPORT | 2020

IMPLEMENTATION

Actions taken relative to plan and project implementation and regulatory and Town Council actions.

PROJECT STATUS

<table>
<thead>
<tr>
<th>Project Name</th>
<th>Phase Project</th>
<th>Remediation Project</th>
<th>Restoration Project</th>
<th>Pilot project</th>
<th>Project Stage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Attucks Lane Area Sewer Expansion</td>
<td></td>
<td></td>
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<td></td>
<td>IMPLEMENTATION</td>
</tr>
<tr>
<td>Phinney’s Lane Sewer Expansion</td>
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<td>DESIGN</td>
</tr>
<tr>
<td>Long Pond Sewer Expansion</td>
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<td>DESIGN</td>
</tr>
<tr>
<td>Marstons Mills WWTF Expansion and Upgrades</td>
<td></td>
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<td>FEASIBILITY</td>
</tr>
<tr>
<td>Shubael Pond neighborhood I/A System</td>
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<td>DESIGN</td>
</tr>
<tr>
<td>Stormwater BMPs at Ropes Beach, Cordwood Landing, and Prince Cove Marina</td>
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<tr>
<td>Warren’s Cove Aquaculture</td>
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<td></td>
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<td>IMPLEMENTATION</td>
</tr>
<tr>
<td>Mill Pond Dredging</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>FEASIBILITY</td>
</tr>
</tbody>
</table>

LOCAL REGULATORY ACTIONS

Zoning Changes

- None in reporting period

Adoption of Regulations

- Illicit Discharge Detection and Elimination authority (adopted June 2019)
- Construction/Erosion and Sediment Control authority (adopted June 2019)
- Post-Construction Stormwater Management (adopted June 2019)

TOWN IMPLEMENTATION ACTIONS

Implementation Actions reflect unfunded municipal actions such as, inter-municipal agreements, procedural approvals, and committee actions.

- None in reporting period

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 Council Funding Actions

- 2020 PFOS Soils, Reporting, Testing, Mitigation, Monitoring – Phase II ($250,000 Approved)
- 2020 Channel Dredging Program ($2,055,000 Approved)
- 2020 Stormwater Improvements at Impaired Ponds ($300,000 Approved)
- 2020 Snows Creek Culvert ($75,000 Approved)
- 2020 Effluent Disposal Alternatives Analysis ($1,000,000 Approved)
- 2020 Aeration System and Denitrification Technology Evaluation ($200,000 Approved)
- 2020 Design and Permitting Route 28 Centerville Sewer Expansion ($1,300,000 Approved)
- 2020 Design & Permitting Old Yarmouth Road Sewer Expansion ($600,000 Approved)
- 2020 Design and Permitting of the Route 28 Marstons Mills Sewer Expansion Project ($1,800,000 Approved)

Grant Funding

- 2019 SNEP Watershed Grant: Three Bays Stormwater ($245,000 Awarded - Partner)
- 2019 District Local Technical Assistance: Regional Stormwater Management ($26,905 Awarded - Partner)
- 2020 District Local Technical Assistance: Regional High Resolution Orthoimagery ($85,555 Awarded - Partner)
Town of Bourne
208 COMPLIANCE REPORT | 2020

TEAM

Team members engaged in water quality planning efforts.

Town Team:
- Sewer Commissioners
- Wastewater Advisory Committee
- Health Agent
- Weston & Sampson
- Conservation Engineering

Collaborations:
- Town of Wareham
- Buzzards Bay Coalition
- Town of Barnstable
- Town of Falmouth
- Town of Sandwich
- Town of Mashpee
- Joint Base Cape Cod
- SNEP Network

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 partial compliance with MS4 Permit requirements

CUMULATIVE TOWN SNAPSHOT SINCE 208 PLAN APPROVAL

- $12.1M TOWN MEETING APPROVED FUNDING
- $545K GRANT FUNDING RECEIVED
- - NON-TRADITIONAL PROJECTS UNDERWAY
- 200K gpd TOTAL FLOW COLLECTED BY CENTRALIZED SYSTEMS
- 452 ALL PROPERTIES SERVED BY CENTRALIZED SYSTEMS

PRIORITY WATERSHED PROGRESS

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

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

The Town of Bourne does not have any Priority Watersheds within its jurisdiction.
IMPLEMENTATION

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

PROJECT STATUS

<table>
<thead>
<tr>
<th>Project Stage</th>
<th>Buzzards Bay Wastewater Treatment Plant</th>
</tr>
</thead>
</table>

LOCAL REGULATORY ACTIONS

Zoning Changes

- Amended Zoning Bylaw - stormwater management (October 2019)

Adoption of Regulations

- None in reporting period

TOWN IMPLEMENTATION ACTIONS

Implementation Actions reflect unfunded municipal actions such as, inter-municipal agreements, procedural approvals, and committee actions.

- 2020 Amended zoning by-law to include stormwater regulations (Approved)
- 2020 Updated LCP (Approved)
- 2020 MOA for SNEP Network Technical Assistance (Approved)

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 Funding Actions

- 2020 Wastewater Treatment Plant Repairs - Bourne Public Schools ($750,000 Approved)
- 2020 Comprehensive Wastewater Management Plan ($600,000 Approved)
- 2020 MS4 Support for Stormwater Engineering, GIS, and Monitoring ($50,000 Approved)
- 2020 Contract with Massachusetts Maritime Academy for Stormwater Sampling ($20,000 Approved)

Grant Funding

- 2019 District Local Technical Assistance: Regional Stormwater Management ($26,905 Awarded - Partner)
- 2020 District Local Technical Assistance: Regional High Resolution Orthoimagery ($85,555 Awarded - Partner)
- 2020 Section 604(b) Water Quality Management Planning Program: Red Brook Harbor Monitoring to Support TMDL Development ($48,344 Awarded - Applicant)
**CUMULATIVE TOWN SNAPSHOT SINCE 208 PLAN APPROVAL**

- **$277K** TOWN MEETING APPROVED FUNDING
- **$502K** GRANT FUNDING RECEIVED
- **3** NON-TRADITIONAL PROJECTS UNDERWAY
- **-** TOTAL FLOW COLLECTED BY CENTRALIZED SYSTEMS
- **-** ALL PROPERTIES SERVED BY CENTRALIZED SYSTEMS

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**TOWN OF BREWSTER**

**208 COMPLIANCE REPORT | 2020**

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**TEAM**

**Town Team:**
- Comprehensive Water Planning Committee (dissolved 2015)
- Water Quality Review Committee
- Town Planner
- Health Agent
- Natural Resources Director
- Horsley Witten Group

**Collaborations:**
- Pleasant Bay Alliance
- Town of Chatham
- Town of Harwich
- Town of Orleans
- MassDEP
- Cape Cod Commission
- SNEP Network

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**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**
- **☐ No Additional nitrogen related requirements**
- **☐ In partial compliance with MS4 Permit requirements**

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**PRIORITY WATERSHED PROGRESS**

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

- **Plan In Place**
- **Agreement In Place**
- **Consistency Determination**
- **Permits Issued**

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**SYMBOL LEGEND**

- Complete or Approved
- Partial
- Not Shared or Not Approved
- Not Available

---

**OTHER LEGEND**

- Progress shown is for the period from June 2019 through November 2020
- The Cumulative Town Snapshot section summarizes the snapshot categories since 2015

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**Herring River (Harwich)**

- **☑ Plan In Place**
- **☑ Agreement In Place**
- **☑ Consistency Determination**
- **☑ Permits Issued**

**Pleasant Bay**

- **☑ Plan In Place**
- **☑ Agreement In Place**
- **☑ Consistency Determination**
- **☑ Permits Issued**

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**PRIORITY WATERSHEDS**

- **Bass River watershed, <1% nitrogen allocation for Brewster**
- **Swan Pond River watershed, <1% nitrogen allocation for Brewster**
- **Current Attenuated Watershed Load**
- **TMDL**
- **NON-TRADITIONAL PROJECTS UNDERWAY**
- **TOTAL FLOW COLLECTED BY CENTRALIZED SYSTEMS**
- **ALL PROPERTIES SERVED BY CENTRALIZED SYSTEMS**
**IMPLEMENTATION**

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

**PROJECT STATUS**

<table>
<thead>
<tr>
<th>Project Stage</th>
<th>Reduction Project</th>
<th>Remediation Project</th>
<th>Restoration Project</th>
<th>Pilot Project</th>
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</thead>
<tbody>
<tr>
<td>Captains Golf Course Fertilizer Reduction</td>
<td>IMPLEMENTATION</td>
<td></td>
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<tr>
<td>Captains Golf Course Fertigation</td>
<td>IMPLEMENTATION</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>On-site Denitrification Systems</td>
<td>FEASIBILITY</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**LOCAL REGULATORY ACTIONS**

- **Fertilizer By-Law in Place**
  - November 2019 Zoning bylaw amended: Article 6 Water Quality Protection District (approved)

- **Zoning Changes**
  - New Regs - New Recs

- **Adoption of Regulations**
  - Construction/Erosion and Sediment Control authority (adopted November 2019)
  - Post-Construction Stormwater Management (adopted November 2019)

**TOWN IMPLEMENTATION ACTIONS**

Implementation Actions reflect unfunded municipal actions such as, inter-municipal agreements, procedural approvals, and committee actions.

- 2020 MOA for SNJP Network Technical Assistance (Approved)

**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 Funding Actions**
    - None in reporting period

  - **Grant Funding**
    - FY17-FY19 Cape Cod Water Protection Collaborative Grant: Septic System Evaluation to Maximize Phosphorus Uptake ($19,896 Awarded - Applicant)
    - 2019 District Local Technical Assistance: Regional Stormwater Management ($26,905 Awarded - Partner)
    - 2020 District Local Technical Assistance: Regional High Resolution Orthoimagery ($85,555 Awarded - Partner)

**SYMBOL LEGEND**

- Complete or Approved
- Partial
- Not Shared or Not Approved
- Not Available

**OTHER LEGEND**

- Progress shown is for the period from June 2019 through November 2020
- Text color indicates that data made available is 5 years or older
Town of Chatham

208 COMPLIANCE REPORT | 2020

TEAM

Team members engaged in water quality planning efforts.

Town Team:
- Water and Sewer Commission
- Department of Public Works
- Natural Resources Director
- GHD, Inc.

Collaborations:
- Pleasant Bay Alliance
- Town of Brewster
- Town of Harwich
- Town of Orleans
- MassDEP
- Cape Cod Commission
- SNEP Network

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 partial 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 Chatham
- Town(s) with Joint Agreement or Plan in Place
- Priority Watershed
- Watershed

CUMULATIVE TOWN SNAPSHOT SINCE 208 PLAN APPROVAL

- $39.3M TOWN APPROVED FUNDING
- $422K GRANT FUNDING RECEIVED
- 1 NON-TRADITIONAL PROJECTS UNDERWAY
- 215K gpd TOTAL FLOW COLLECTED BY CENTRALIZED SYSTEMS
- 1,015 ALL PROPERTIES SERVED BY CENTRALIZED SYSTEMS

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 partial compliance with MS4 Permit requirements

CUMULATIVE TOWN SNAPSHOT SINCE 208 PLAN APPROVAL

- $39.3M TOWN APPROVED FUNDING
- $422K GRANT FUNDING RECEIVED
- 1 NON-TRADITIONAL PROJECTS UNDERWAY
- 215K gpd TOTAL FLOW COLLECTED BY CENTRALIZED SYSTEMS
- 1,015 ALL PROPERTIES SERVED BY CENTRALIZED SYSTEMS

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 partial compliance with MS4 Permit requirements

Pleasant Bay

☑ Plan In Place
  - Pleasant Bay Watershed Plan (2018)
  - Chatham CWMP (2009)

☑ Agreement In Place
  - Pleasant Bay IMA
  - Harwich Wastewater Collection and Treatment IMA

☑ Consistency Determination
  - DRI Approval (2007)
  - 208 Consistency Determination (2018)

☑ Permits Issued
  - GWDP
  - Pleasant Bay Watershed Permit (2018)

Progress shown is for the period from June 2019 through November 2020.

The Cumulative Town Snapshot section summarizes the snapshot categories since 2015.
**IMPLEMENTATION**

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

**PROJECT STATUS**

<table>
<thead>
<tr>
<th>Project Stage</th>
<th>Project Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>IMPLEMENTATION</td>
<td>Town-wide Sewer and Harwich Connection</td>
</tr>
<tr>
<td>COMPLETED</td>
<td>Muddy Creek Bridge Culvert Opening/Tidal Exchange</td>
</tr>
</tbody>
</table>

**LOCAL REGULATORY ACTIONS**

- ☑ Fertilizer By-Law in Place
- ☐ Zoning Changes: None in reporting period
- ☑ Adoption of Regulations: Illicit Discharge Detection and Elimination authority (adopted June 2019)

**TOWN IMPLEMENTATION ACTIONS**

Implementation Actions reflect unfunded municipal actions such as, inter-municipal agreements, procedural approvals, and committee actions.

- ☑ 2020 MOA for SNEP Network Technical Assistance (Approved)

**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 Funding Actions**

- ☑ 2020 Drainage/Storm Water Management ($50,000 Approved)
- ☑ 2020 20-01 Original Sewer System Repairs ($170,000 Approved)
- ☑ 2020 20-01 Ultraviolet Disinfection Upgrade ($125,000 Approved)
- ☑ 2020 20-04 Portable By-Pass Pump ($90,000 Approved)

Due to the COVID-19 pandemic, additional water quality related capital expenditures have been deferred for 2020.

**Grant Funding**

- ☑ 2019 District Local Technical Assistance: Regional Stormwater Management ($26,905 Awarded - Partner)
- ☑ 2020 District Local Technical Assistance: Regional High Resolution Orthoimagery ($85,555 Awarded - Partner)
**TEAMS**

Town Team:
- Water Quality Advisory Committee
- Wastewater Implementation Committee
- Natural Resources Director
- Department of Public Works
- Engineering
- CDM Smith

Collaborations:
- DHY Community Partnership Subcommittee

**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
- No additional nitrogen related requirements
- In partial 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.

**CUMULATIVE TOWN SNAPSHOT SINCE 208 PLAN APPROVAL**

- $2M TOWN APPROVED FUNDING
- $322K GRANT FUNDING RECEIVED
- 2 NON-TRADITIONAL PROJECTS UNDERWAY
- - TOTAL FLOW COLLECTED BY CENTRALIZED SYSTEMS
- - ALL PROPERTIES SERVED BY CENTRALIZED SYSTEMS

**SYMBOL LEGEND**

- Complete or Approved
- Partial
- Not Shared or Not Approved
- Not Available

**OTHER LEGEND**

- Progress shown is for the period from June 2019 through November 2020
- The Cumulative Town Snapshot section summarizes the snapshot categories since 2015
Town of Dennis

208 COMPLIANCE REPORT | 2020

IMPLEMENTATION

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

PROJECT STATUS

<table>
<thead>
<tr>
<th>Project Stage</th>
<th>Project Title</th>
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<tbody>
<tr>
<td></td>
<td>Bass River Railroad Bridge Culvert Opening/Tidal Exchange</td>
</tr>
<tr>
<td></td>
<td>Aquaculture Pilot Project in Swan Pond</td>
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</tbody>
</table>

TOWN IMPLEMENTATION ACTIONS

Implementation Actions reflect unfunded municipal actions such as, inter-municipal agreements, procedural approvals, and committee actions.

LOCAL REGULATORY ACTIONS

Zoning Changes

None in reporting period

Adoption of Regulations

Illicit Discharge Detection and Elimination authority (adopted June 2019)

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 Funding Actions

- 2020 Vote to Adopt Water Infrastructure Investment Fund (Surcharge on Real Property Taxes-1% - Approved)
- 2020 NPDES Small MS4 General Permit- Federally mandated requirement for storm water quality, including permitting and consultant ($50,000 Approved)
- 2020 Wastewater Implementation Plan- ongoing contractual obligations ($100,000 Approved)
- 2020 Townwide Drainage Repair and Replacement ($200,000 Approved)
- 2020 Peer Review of the DHY (Dennis, Harwich, & Yarmouth) Clean Waters Partnership ($18,000 Approved, jointly funded with the towns of Dennis, Harwich, and Yarmouth)

Grant Funding

- 2019 District Local Technical Assistance: Regional Stormwater Management ($26,905 Awarded - Partner)
- 2020 District Local Technical Assistance: Regional High Resolution Orthoimagery ($85,555 Awarded - Partner)
- 2020 Section 604(b) Water Quality Management Planning Program: Best Management Practice Assessment in Bass River and Swan Pond River Watersheds ($45,276 Awarded - Applicant)
Town of Eastham
208 COMPLIANCE REPORT | 2020

**CUMULATIVE TOWN SNAPSHOT SINCE 208 PLAN APPROVAL**

- $86.7M
  - TOWN MEETING APPROVED FUNDING
- $221K
  - GRANT FUNDING RECEIVED
- 5
  - NON-TRADITIONAL PROJECTS UNDERWAY
- -
  - TOTAL FLOW COLLECTED BY CENTRALIZED SYSTEMS
- -
  - ALL PROPERTIES SERVED BY CENTRALIZED SYSTEMS

**TEAM**

Team members engaged in water quality planning efforts.

**Town Team:**
- Town Administrator
- Director of Health and Environment
- Department of Natural Resources
- Department of Public Works
- Town Planner
- Water Management Committee
- Board of Health
- GHD Inc.
- MT Environmental Inc.
- Science Wares Inc.
- ES&M
- EcoLogic LLC
- Environmental Partners Group

**Collaborations:**
- Cape Cod National Seashore
- Town of Orleans
- Cape Cod Commission

**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**
  - No additional nitrogen related requirements
  - In partial 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 Eastham
- Town(s) with Joint Agreement or Plan in Place
- Priority Watershed
- Watershed

**CURRENT ATTENUATED WATERSHED LOAD**

- Nauset Marsh
  - TMDL
  - 10,304 kg N
  - 20,749 kg N

Progress shown is for the period from June 2019 through November 2020.

The Cumulative Town Snapshot section summarizes the snapshot categories since 2015.
**IMPLEMENTATION**

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

**PROJECT STATUS**

- **Town Cove I/A Systems Pilot**
  - Project Stage: Feasibility

- **Upgrade of Cape Cod National Seashore Visitor Center Treatment System**
  - Project Stage: Design

- **Salt Pond Permeable Reactive Barrier**
  - Project Stage: Feasibility

- **Salt Pond Drainage Improvements**
  - Project Stage: Design

- **Schoolhouse Minister’s Pond Remediation and Restoration**
  - Project Stage: Design

- **Salt Pond Shellfish Pilot Plan**
  - Project Stage: Feasibility

**LOCAL REGULATORY ACTIONS**

- **Fertilizer By-Law in Place**
- **No Zoning Changes in Reporting Period**

**Adoption of Regulations**

- **Illicit Discharge Detection and Elimination authority (adopted November 2019)**
- **Construction/Erosion and Sediment Control authority (adopted November 2019)**
- **Post-Construction Stormwater Management (adopted November 2019)**

**TOWN IMPLEMENTATION ACTIONS**

Implementation Actions reflect unfunded municipal actions such as, inter-municipal agreements, procedural approvals, and committee actions.

- **None in reporting period**

**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**
  - 2019-2020 Grant Funding
    - 2019-2020: District Local Technical Assistance: Regional Stormwater Management ($26,905 Awarded - Partner)
    - 2019-2020: District Local Technical Assistance: Regional High Resolution Orthoimagery ($85,555 Awarded - Partner)

**Town Funding Actions**

- **2020 Stormwater upgrades & MS4 permit support services ($58,000 Approved)**
- **2020 Coastal erosion planning/study/mitigation ($75,000 Approved)**
- **2020 Wastewater planning and implementation ($162,000 Approved)**
- **2020 Town landings - engineering and permitting ($25,000 Approved)**

**PROJECT STATUS**

- **Town Cove I/A Systems Pilot**
- **Upgrade of Cape Cod National Seashore Visitor Center Treatment System**
- **Salt Pond Permeable Reactive Barrier**
- **Salt Pond Drainage Improvements**
- **Schoolhouse Minister’s Pond Remediation and Restoration**
- **Salt Pond Shellfish Pilot Plan**

**LOCAL REGULATORY ACTIONS**

- **Fertilizer By-Law in Place**
- **No Zoning Changes in Reporting Period**

**Adoption of Regulations**

- **Illicit Discharge Detection and Elimination authority (adopted November 2019)**
- **Construction/Erosion and Sediment Control authority (adopted November 2019)**
- **Post-Construction Stormwater Management (adopted November 2019)**

**TOWN IMPLEMENTATION ACTIONS**

Implementation Actions reflect unfunded municipal actions such as, inter-municipal agreements, procedural approvals, and committee actions.

- **None in reporting period**
Town of Falmouth

**TEAM**

Team members engaged in water quality planning efforts.

**Town Team:**
- Water Quality Management Committee
- Department of Public Works

**Collaborations:**
- Buzzards Bay Coalition
- Town of Barnstable
- Town of Bourne
- Town of Sandwich
- Town of Mashpee
- WHOI

- GHD, Inc.
- Wright-Pierce
- Science Wares, Inc.
- SMAST

- Joint Base Cape Cod
- Woodwell Climate Research Center
- Barnstable Clean Water Coalition

**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 partial 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 Falmouth
- Town(s) with Joint Agreement or Plan in Place
- Priority Watershed
- Watershed

**CUMULATIVE TOWN SNAPSHOT SINCE 208 PLAN APPROVAL**

- **$282K**
  - TOWN MEETING APPROVED FUNDING
- **$1.76M**
  - GRANT FUNDING RECEIVED
- **7**
  - NON-TRADITIONAL PROJECTS UNDERWAY
- **484K gpd**
  - TOTAL FLOW COLLECTED BY CENTRALIZED SYSTEMS
- **2,323**
  - ALL PROPERTIES SERVED BY CENTRALIZED SYSTEMS

**SYMBOL LEGEND**

- Complete or Approved
- Partial
- Not Shared or Not Approved
- Not Available

**OTHER LEGEND**

- Progress shown is for the period from June 2019 through November 2020
- The Cumulative Town Snapshot section summarizes the snapshot categories since 2015
## 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>
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<th>Project Stage</th>
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<tbody>
<tr>
<td>Little Pond Sewer</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Teaticket / Acapesket Sewer</td>
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<td></td>
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<td>FEASIBILITY</td>
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<tr>
<td>I/A System Installations</td>
<td></td>
<td></td>
<td></td>
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<td>COMPLETED</td>
</tr>
<tr>
<td>Shorewood Drive Permeable Reactive Barrier</td>
<td></td>
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<td>IMPLEMENTATION</td>
</tr>
<tr>
<td>Little Pond Oyster Aquaculture Demonstration Project</td>
<td></td>
<td></td>
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<td></td>
<td>COMPLETED</td>
</tr>
<tr>
<td>Bourne’s Pond Oyster Aquaculture Demonstration Project</td>
<td></td>
<td></td>
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<td></td>
<td>COMPLETED</td>
</tr>
<tr>
<td>Bourne’s Pond Inlet Widening</td>
<td></td>
<td></td>
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<td></td>
<td>IMPLEMENTATION</td>
</tr>
<tr>
<td>Eel River Shellfish Demonstration Project</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>IMPLEMENTATION</td>
</tr>
<tr>
<td>Mill Pond Restoration</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>IMPLEMENTATION</td>
</tr>
</tbody>
</table>

### LOCAL REGULATORY ACTIONS

- **Fertilizer By-Law in Place**
- **No Zoning Changes in Reporting Period**

### Adoption of Regulations

- Illicit Discharge Detection and Elimination authority (adopted June 2019)
- Construction/Erosion and Sediment Control authority (adopted June 2019)
- Post-Construction Stormwater Management (adopted June 2019)

## FUNDING

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

### Town Funding Actions

- **Cape Cod and Islands Water Protection Fund Member Community**

### Grant Funding

- **2020 Petition to Fund Water Quality Monitoring – Bourne’s Pond ($45,000, Project completed, article funding postponed at the request of the Water Quality Management Committee)**

### Local Regulatory Actions

- **Falmouth and Mashpee have initiated the process for an allocation determination. The Falmouth Water Quality Management Committee has recommended that GHD’s proposed allocation be presented to Mashpee for review. (2020)**
Town of Harwich
208 COMPLIANCE REPORT | 2020

TEAM
Team members engaged in water quality planning efforts.

Town Team:
- Interim Town Administrator
- Town Engineer
- Water and Wastewater Superintendent
- Natural Resources Director
- Wastewater Support Committee
- CDM Smith

Collaborations:
- Pleasant Bay Alliance
- Town of Brewster
- Town of Chatham
- Town of Orleans
- MassDEP
- Cape Cod Commission
- DHY Community Partnership Subcommittee
- SNEP Network

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

CUMULATIVE TOWN SNAPSHOT SINCE 208 PLAN APPROVAL

- $23.4M
- $572K
- 2
- -
- -

SYMBOL LEGEND
☑ Complete or Approved
☑ Partial
☒ Not Shared or Not Approved
☒ Not Available

OTHER LEGEND
☑ Progress shown is for the period from June 2019 through November 2020
☒ The Cumulative Town Snapshot section summarizes the snapshot categories since 2015
**Town of Harwich**

**208 COMPLIANCE REPORT | 2020**

**IMPLEMENTATION**

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

**PROJECT STATUS**

| Sewer Connection to Chatham Treatment Facility | IMPLEMENTATION |
| Phase 2 Sewer Construction – Pleasant Bay Watershed | IMPLEMENTATION |
| Muddy Creek Bridge Culvert Opening/Tidal Exchange | COMPLETED |
| Cold Brook Bog Restoration | DESIGN |

**LOCAL REGULATORY ACTIONS**

Zoning Changes
- None in reporting period

Adoption of Regulations
- None in reporting period

**TOWN IMPLEMENTATION ACTIONS**

Implementation Actions reflect unfunded municipal actions such as, inter-municipal agreements, procedural approvals, and committee actions.

- 2019 Ballot question to form a new water and wastewater commission, which will be a five-member board elected for three year terms. (Approved, 687-96)
- 2020 MOA for SNEP Network Technical Assistance (Approved)

**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 Funding Actions**

- 2020 Beginning in FY 21 the Town of Harwich will begin sending the flow of sewage to the Town of Chatham. In accordance with the Inter Municipal Agreement a milestone payment will be incurred in the amount of $1,500,000 upon acceptance of the flow. (previously approved as debt exclusion)
- 2020 Peer Review of the DHY (Dennis, Harwich, & Yarmouth) Clean Waters Partnership ($18,000 Approved, jointly funded with the towns of Dennis, Harwich, and Yarmouth)

**Grant Funding**

- 2019 District Local Technical Assistance: Regional Stormwater Management ($26,905 Awarded - Partner)
- 2020 District Local Technical Assistance: Regional High Resolution Orthoimagery ($85,555 Awarded - Partner)
**Town of Mashpee**

**208 Compliance Report | 2020**

**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 partial 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

**SYMBOL LEGEND:**
- Complete or Approved
- Partial
- Not Shared or Not Approved
- Not Available

**OTHER LEGEND:**
- Progress shown is for the period from June 2019 through November 2020
- The Cumulative Town Snapshot section summarizes the snapshot categories since 2015
- *Flow collected from Mashpee Commons

**CUMULATIVE TOWN SNAPSHOT SINCE 208 PLAN APPROVAL**

- **$3.9M**
  - Town Meeting Approved Funding
- **$387K**
  - Grant Funding Received
- **3**
  - Non-Traditional Projects Underway
- **77K gpd**
  - Total Flow Collected by Centralized Systems
- **16**
  - All Properties Served by Centralized Systems

**Waquoit Bay**
- Plan In Place
- Mashpee CWMP (2014)
- Agreement In Place
- Consistency Determination - 208 Consistency Determination - Phase 1 (2017)
- Permits Issued

**Popponesset Bay**
- Plan In Place
- Mashpee CWMP (2014)
- Agreement In Place
- Popponesset Bay IMA (2017)
- Consistency Determination - 208 Consistency Determination - Phase 1 (2017)
- Permits Issued

*Three Bays watershed, <1% nitrogen allocation for Mashpee Commons*
### IMPLEMENTATION

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

<table>
<thead>
<tr>
<th>PROJECT STATUS</th>
<th>Wastewater Treatment Improvements</th>
<th>P</th>
<th>Project Stage</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Popponesset Bay Aquaculture</td>
<td></td>
<td>IMPLEMENTATION</td>
</tr>
<tr>
<td></td>
<td>Mashpee River Aquaculture</td>
<td></td>
<td>IMPLEMENTATION</td>
</tr>
<tr>
<td></td>
<td>Quashnet/Moonakis River Aquaculture Feasibility Study (determined not feasible)</td>
<td></td>
<td>FEASIBILITY</td>
</tr>
</tbody>
</table>

### LOCAL REGULATORY ACTIONS

- **Fertilizer By-Law in Place**
  - Complete or Approved

- **Zoning Changes**
  - None in reporting period

- **Adoption of Regulations**
  - None in reporting period

### TOWN IMPLEMENTATION ACTIONS

Implementation Actions reflect unfunded municipal actions such as, inter-municipal agreements, procedural approvals, and committee actions.

- **2020 Continue participation in the Community Septic Management Program and the Massachusetts Water Pollution Abatement Trust (MWPAT) (Approved)**
- **2020 Update site plan review for compliance with MS4 General Permit (Approved)**
- **2020 Update to stormwater management bylaw (Approved)**

### 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 Funding Actions

- **2020 Waterways Extension Project ($144,000 Approved)**
- **2020 Wetland Restoration of Abandoned Cranberry Bog Project in the Santuit Pond Preserve ($23,500 Approved)**
- **2020 Allocate funds for purchase Chopchaque Bog ($675,000 Approved)**
- **2020 Article 7: $2,480,000 by borrowing for the planning and design of wastewater collection, treatment and disposal initiatives in the Town of Mashpee ($2,480,000 Approved)**
- **2020 Establish 2% Surcharge for Municipal Water Infrastructure Investment Fund (Surcharge on Real Property Taxes-2% Approved)**
- **2020 Route 151 corridor wastewater and stormwater collection system design ($490,200 Approved)**

#### Grant Funding

- **2019 District Local Technical Assistance: Regional Stormwater Management ($26,305 Awarded - Partner)**
- **2020 District Local Technical Assistance: Regional High Resolution Orthoimagery ($85,555 Awarded - Partner)**

---

**SYMBOL LEGEND**
- Complete or Approved
- Partial
- Not Shared or Not Approved
- Not Available

**OTHER LEGEND**
- Progress shown is for the period from June 2019 through November 2020
- Text color indicates that data made available is 5 years or older
The Cumulative Town Snapshot section summarizes the snapshot categories since 2015.

**Town of Orleans**

**208 COMPLIANCE REPORT | 2020**

**TEAM**

Team members engaged in water quality planning efforts.

Town Team:
- Water Quality Advisory Panel
- Board of Water and Sewer Commissioners
- Town Planner
- AECOM

Collaborations:
- Pleasant Bay Alliance
- Town of Brewster
- Town of Chatham
- Town of Harwich
- MassDEP
- Cape Cod Commission
- SNEP Network

**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 partial 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 Orleans
- Town(s) with Joint Agreement or Plan in Place
- Priority Watershed
- Watershed

**CUMULATIVE TOWN SNAPSHOT SINCE 208 PLAN APPROVAL**

- $76.9M
  - Town Meeting Approved Funding
- $422K
  - Grant Funding Received
- 2
  - Non-Traditional Projects Underway
- -
  - Total Flow Collected by Centralized Systems
- -
  - All Properties Served by Centralized Systems

**SYMBOL LEGEND**

- Complete or Approved
- Partial
- Not Shared or Not Approved
- Not Available

**OTHER LEGEND**

- Progress shown is for the period from June 2019 through November 2020
- The Cumulative Town Snapshot section summarizes the snapshot categories since 2015
**IMPLEMENTATION**

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

**PROJECT STATUS**

- Downtown Sewer
- Eldredge Park Permeable Reactive Barrier Pilot
- Lonnies Pond Aquaculture Pilot

**LOCAL REGULATORY ACTIONS**

- Fertilizer By-Law in Place
  - None in reporting period

**ZONING CHANGES**

- None in reporting period

**ADOPTION OF REGULATIONS**

- None in reporting period

**TOWN IMPLEMENTATION ACTIONS**

- 2019 Installed one mile of sewer in the downtown area in preparation for Phase I of the public sewer installation (to begin June 2020)
- 2020 Authorize special act for sewer betterment allocation method and rescind Ch. 381 of the Acts of 2008 (Approved)
- 2020 Permit and dredge freshwater lakes and ponds (Approved)
- 2020 MOA for SNBP Network Technical Assistance (Approved)

**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 FUNDING ACTIONS**

- 2020 Fund Comprehensive Water Resources Management Plan Implementation ($1,700,500 Approved)
- 2020 Fund Brewster Cross Road and Locust Road Water Quality Projects ($45,000 Approved)
- 2020 Fund Replacement of Water Services In Sewer Area ($125,000 Approved)
- 2020 Fund Water Quality Drainage Improvements ($187,313 Approved)
- 2020 Fund Additional Cost for Downtown Sewer Project ($12,218,000 Approved)

**GRANT FUNDING**

- 2019 District Local Technical Assistance: Regional Stormwater Management ($26,905 Awarded - Partner)
- 2020 District Local Technical Assistance: Regional High Resolution Orthoimagery ($85,555 Awarded - Partner)
Town of Provincetown
208 COMPLIANCE REPORT | 2020

TEAM

Team members engaged in water quality planning efforts.

Town Team:
- Water and Sewer Board
- Sewer Department
- Environmental Partners Group

Collaborations:

CUMULATIVE TOWN SNAPSHOT SINCE 208 PLAN APPROVAL

$6.5M
TOWN MEETING
APPROVED
FUNDING

$212K
GRANT
FUNDING
RECEIVED

235K gpd
TOTAL FLOW
COLLECTED BY
CENTRALIZED
SYSTEMS

1,000
ALL PROPERTIES
SERVED BY
CENTRALIZED
SYSTEMS

SYMBOL
LEGEND

OTHER
LEGEND

Prior to 2015, there was no dedicated Town of Provincetown information available. The Cumulative Town Snapshot section summarizes the snapshot categories since 2015.

PRIORITY WATERSHED PROGRESS

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

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

The Town of Provincetown does not have any Priority Watersheds within its jurisdiction.

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.

Not subject to MS4 Permit

Progress shown is for the period from June 2019 through November 2020. The Cumulative Town Snapshot section summarizes the snapshot categories since 2015.
IMPLEMENTATION

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

PROJECT STATUS

<table>
<thead>
<tr>
<th>Project Stage</th>
<th>Reduction Project</th>
<th>Remediation Project</th>
<th>Restoration Project</th>
<th>Pilot Project</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wastewater Plant Expansion</td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

TOWN IMPLEMENTATION ACTIONS

Implementation Actions reflect unfunded municipal actions such as, inter-municipal agreements, procedural approvals, and committee actions.

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 Funding Actions

- 2020 Stormwater improvements ($100,000 Approved)

Grant Funding

- 2019 District Local Technical Assistance: Regional Stormwater Management ($26,905 Awarded - Partner)
- 2020 District Local Technical Assistance: Regional High Resolution Orthoimagery ($85,555 Awarded - Partner)

LOCAL REGULATORY ACTIONS

- Fertilizer By-Law in Place
  - None in reporting period

- Zoning Changes
  - None in reporting period

- Adoption of Regulations
  - None in reporting period

OTHER LEGEND

- Complete or Approved
- Partial
- Not Shared or Not Approved
- Not Available

SYMBOL LEGEND

- 2019
- 2020
- 2016
- 2017

TOWN REGIONAL DATA SHARING STATUS

- PARCEL DATA
- ASSESSOR DATA
- WATER USE
- EMBAYMENT MONITORING

Progress shown is for the period from June 2019 through November 2020

Text color indicates that data made available is 5 years or older
Town of Sandwich

208 COMPLIANCE REPORT | 2020

TEAM

Team members engaged in water quality planning efforts.

Town Team:
- Water Quality Advisory Committee
- Health Agent
- Wright-Pierce

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

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

☑ No additional nitrogen related requirements

☑ In compliance with MS4 Permit requirements

CUMULATIVE TOWN SNAPSHOT SINCE 208 PLAN APPROVAL

SYMBOL LEGEND

☑ Complete or Approved
☐ Partial
☒ Not Shared or Not Approved
☐ Not Available

OTHER LEGEND

Progress shown is for the period from June 2019 through November 2020

The Cumulative Town Snapshot section summarizes the snapshot categories since 2015

PRIORITY WATERSHED PROGRESS

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

Waquoit Bay

- Plan In Place
  - Sandwich CWRMP (2017)
- Agreement In Place
- Consistency Determination
  - Sandwich CWRMP (2017)
- Consistency Determination
  - Sandwich CWRMP (2018)
- Permits Issued

Popponesset Bay

- Plan In Place
  - Sandwich CWRMP (2017)
- Agreement In Place
  - Popponesset Bay IMA (2017)
- Consistency Determination
  - Popponesset Bay IMA (2017)
- Consistency Determination
  - Popponesset Bay IMA (2018)
- Permits Issued

Three Bays

- Plan In Place
  - Sandwich CWRMP (2017)
- Agreement In Place
- Consistency Determination
  - Sandwich CWRMP (2017)
- Consistency Determination
  - Sandwich CWRMP (2018)
- Permits Issued
**IMPLEMENTATION**

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

**PROJECT STATUS**

No active projects at this time.

**LOCAL REGULATORY ACTIONS**

Zoning Changes

- None in reporting period

Adoption of Regulations

- None in reporting period

**TOWN IMPLEMENTATION ACTIONS**

Implementation Actions reflect unfunded municipal actions such as, inter-municipal agreements, procedural approvals, and committee actions.

- 2019 Special Town Meeting Article 4: Expand use of appropriated funds to include repairs and improvements at all School Department wastewater treatment facilities (Approved)

- 2020 Adopted as part of 2020-2021 Long-Range Plan: commitment to CWRMP milestones and implementation; participation in regional efforts for watershed based solutions; implement inter-municipal agreements for Popponesset Bay, Three Bays, and Waquoit watersheds; evaluate regional efforts involving JBCC; continue public education; work with relevant private developers in meeting local CWRMP goals and regional Section 208 requirements. (Approved)

**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 Funding Actions**

- None in reporting period

**Grant Funding**

- 2019 District Local Technical Assistance: Regional Stormwater Management ($26,905 Awarded - Partner)

- 2020 District Local Technical Assistance: Regional High Resolution Orthoimagery ($85,555 Awarded - Partner)

* 2% annual property tax surcharge approved in 2019 projects $77,000,000 over 35 years
Town of Truro

208 COMPLIANCE REPORT | 2020

TEAM

Team members engaged in water quality planning efforts.

Town Team:
- Water Resources Oversight Committee
- Heath and Conservation Agent
- Weston & Sampson

Collaborations:
- Cape Cod Commission

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.

Not subject to MS4 Permit

PRIORITY WATERSHED PROGRESS

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

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

The Town of Truro does not have any Priority Watersheds within its jurisdiction.

CUMULATIVE TOWN SNAPSHOT SINCE 208 PLAN APPROVAL

- $4.7M TOWN MEETING APPROVED FUNDING
- $172K GRANT FUNDING RECEIVED
- - NON-TRADITIONAL PROJECTS UNDERWAY
- - TOTAL FLOW COLLECTED BY CENTRALIZED SYSTEMS
- - ALL PROPERTIES SERVED BY CENTRALIZED SYSTEMS

SYMBOL LEGEND

Complete or Approved
Partial
Not Shared or Not Approved
Not Available

OTHER LEGEND

Progress shown is for the period from June 2019 through November 2020
The Cumulative Town Snapshot section summarizes the snapshot categories since 2015

ALL PROPERTIES SERVED BY CENTRALIZED SYSTEMS
Town of Truro

208 COMPLIANCE REPORT | 2020

IMPLEMENTATION

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

PROJECT STATUS

<table>
<thead>
<tr>
<th>Reduction Project</th>
<th>Remediation Project</th>
<th>Restoration Project</th>
<th>Pilot Project</th>
<th>Project Stage</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

No active projects at this time.

LOCAL REGULATORY ACTIONS

Zoning Changes

- None in reporting period

Adoption of Regulations

- None in reporting period

TOWN IMPLEMENTATION ACTIONS

Implementation Actions reflect unfunded municipal actions such as, inter-municipal agreements, procedural approvals, and committee actions.

- None in reporting period

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 Funding Actions

- None in reporting period

Grant Funding

- 2019 District Local Technical Assistance: Regional Stormwater Management ($26,905 Awarded - Partner)
- 2020 District Local Technical Assistance: Regional High Resolution Orthoimagery ($85,555 Awarded - Partner)
The Town of Wellfleet does not have any Priority Watersheds within its jurisdiction.

Town Team:
- Comprehensive Wastewater Management Planning Committee
- Health and Conservation Agent
- Scott Horsley
- GHD, Inc.
- Bohler Engineering
- On-Site Engineering

Collaborations:
- MassDEP
- Cape Cod Commission

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.

Not subject to MS4 Permit
## IMPLEMENTATION

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

### PROJECT STATUS

<table>
<thead>
<tr>
<th>Project Stage</th>
<th>Project</th>
<th>Stage</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Transfer Station Wastewater Disposal</td>
<td>FEASIBILITY</td>
</tr>
</tbody>
</table>

### LOCAL REGULATORY ACTIONS

- **Zoning Changes**
  - None in reporting period

- **Adoption of Regulations**
  - None in reporting period

### TOWN IMPLEMENTATION ACTIONS

Implementation Actions reflect unfunded municipal actions such as, inter-municipal agreements, procedural approvals, and committee actions.

- None in reporting period

## 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 Funding Actions**
  - None in reporting period

### Grant Funding

- **2019 District Local Technical Assistance: Regional Stormwater Management**
  - ($26,905 Awarded - Partner)

- **2020 District Local Technical Assistance: Regional High Resolution Orthoimagery**
  - ($85,555 Awarded - Partner)

- **2020 District Local Technical Assistance: Wastewater planning for Affordable / Community Housing**
  - ($30,000 Awarded - Applicant)

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

### OTHER LEGEND

- **Text color indicates that data made available is 5 years or older**

### SYMBOl LEGEND

- Complete or Approved
- Partial
- Not Shared or Not Approved
- Not Available
Town of Yarmouth
208 Compliance Report | 2020

TEAM

Team members engaged in water quality planning efforts.

Town Team:
- Water Resources Advisory Committee
- Department of Public Works
- CDM Smith

Collaborations:
- DHY Community Partnership Subcommittee
- Barnstable

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 partial compliance with MS4 Permit

PRIORITY WATERSHED PROGRESS

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

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

SYMBOL LEGEND

☑ Complete or Approved
☐ Partial
☒ Not Shared or Not Approved
☒ Not Available

OTHER LEGEND

☑ Progress shown is for the period from June 2019 through November 2020
☒ The Cumulative Town Snapshot section summarizes the snapshot categories since 2015

CUMULATIVE TOWN SNAPSHOT SINCE 208 PLAN APPROVAL

- $7.3M TOWN MEETING APPROVED FUNDING
- $332K GRANT FUNDING RECEIVED
- 3 NON-TRADITIONAL PROJECTS UNDERWAY
- TOTAL FLOW COLLECTED BY CENTRALIZED SYSTEMS
- ALL PROPERTIES SERVED BY CENTRALIZED SYSTEMS

Town of Yarmouth

Town(s) with Joint Agreement or Plan in Place

Priority Watershed

Watershed

Lewis Bay

Plan In Place
DHY Community Partnership Plan (2018)
☐ Agreement In Place
☐ Consistency Determination
☐ Permits Issued

Current Attenuated Watershed Load: 55,338 kg N
TMDL: 35,705 kg N

Bass River

Plan In Place
DHY Community Partnership Plan (2018)
☐ Agreement In Place
☐ Consistency Determination
☐ Permits Issued

Current Attenuated Watershed Load: 24,156 kg N
TMDL: 41,792 kg N

Parker River

Plan In Place
DHY Community Partnership Plan (2018)
☐ Agreement In Place
☐ Consistency Determination
☐ Permits Issued

Current Attenuated Watershed Load: 35,705 kg N
TMDL: 4,913 kg N

Subject to MS4 Permit
Additional nitrogen related requirements
In partial compliance with MS4 Permit requirements
## IMPLEMENTATION

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

### PROJECT STATUS

<table>
<thead>
<tr>
<th>Project Stage</th>
<th>Project</th>
<th>Project Description</th>
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</thead>
<tbody>
<tr>
<td>IMPLEMENTATION</td>
<td>Route 6 Rail Trail Bridge Culvert Opening/Tidal Exchange</td>
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</tr>
<tr>
<td>COMPLETED</td>
<td>Route 28 Bridge Culvert Opening/Tidal Exchange (Parkers River)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Stormwater BMPs at Colonial Acres and Bayview Street</td>
<td></td>
</tr>
</tbody>
</table>

### LOCAL REGULATORY ACTIONS

- **Zoning Changes**: None in reporting period
- **Adoption of Regulations**: None in reporting period

### TOWN IMPLEMENTATION ACTIONS

Implementation Actions reflect unfunded municipal actions such as, inter-municipal agreements, procedural approvals, and committee actions.

- **2020 Article 5**: To see if the Town will vote to accept Massachusetts General Law Chapter 40, Section 39M, which establishes a special “Municipal Water Infrastructure Investment Fund” ... contingent upon the passage of the ballot question. (Approved)

## FUNDING

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

### Town Funding Actions

- **Cape Cod and Islands Water Protection Fund Member Community**
  - 2020 Permitting and construction related to coordinating with Massachusetts Department of Transportation road work projects and Phase 1 of the town’s proposed wastewater collection system, including all expenses incidental and related thereto ($5,250,000 Approved)
  - 2020 Fund design and engineering services relating to municipal wastewater projects ($536,048 Approved)
  - 2020 Peer Review of the DHY (Dennis, Harwich, & Yarmouth) Clean Waters Partnership ($18,000 Approved, jointly funded with the towns of Dennis, Harwich, and Yarmouth)

### Grant Funding

- **2019 District Local Technical Assistance: Regional Stormwater Management** ($26,905 Awarded - Partner)
- **2020 District Local Technical Assistance: Regional High Resolution Orthoimagery** ($85,555 Awarded - Partner)