

Town of Barnstable

208 COMPLIANCE REPORT | 2020

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

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

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

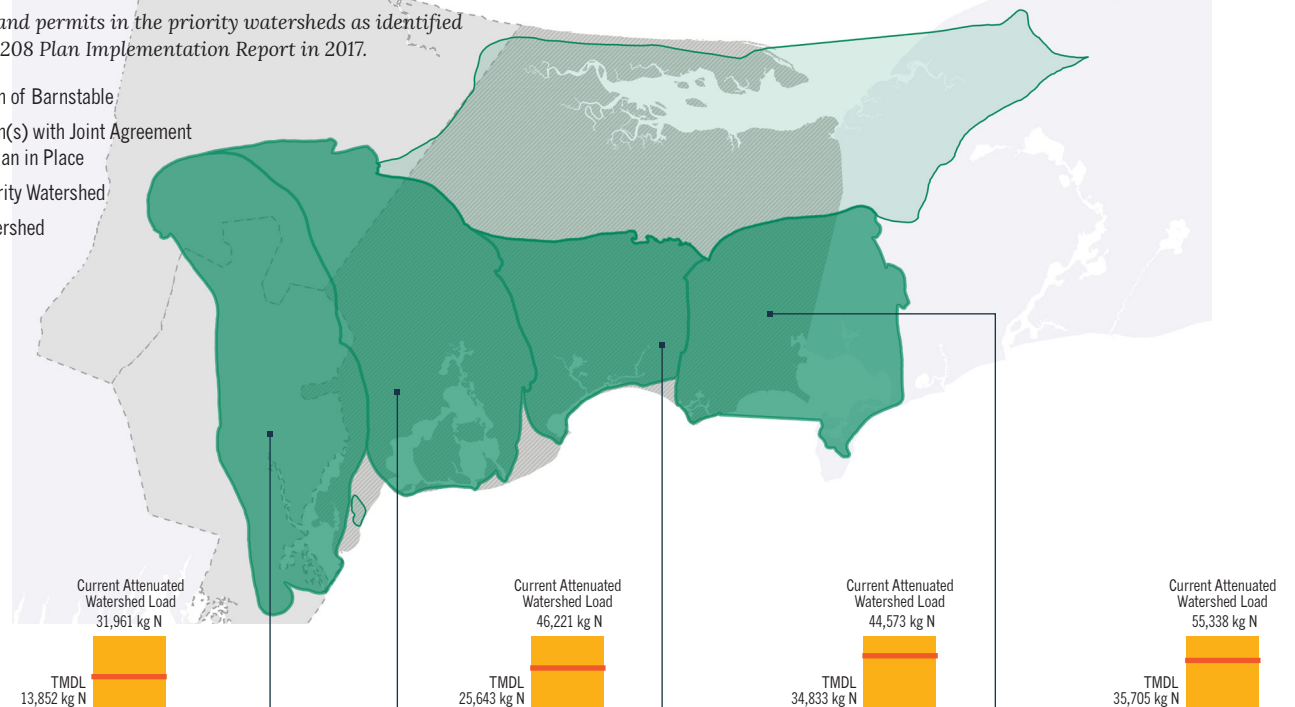
☒ Additional nitrogen related requirements

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



Popponesset Bay

- ☐ Plan In Place
- ☒ Agreement In Place
Popponesset Bay IMA (2017)
- ☐ Consistency Determination
- ☐ Permits Issued

Three Bays

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

Centerville River

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

Lewis Bay

- ☒ Plan In Place
Barnstable Wastewater Facilities Plan (2007)
- ☐ Agreement In Place
- ☐ Consistency Determination
- ☒ Permits Issued
GWDP

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 Barnstable

208 COMPLIANCE REPORT | 2020

TOWN REGIONAL DATA SHARING STATUS

✓ 2018
PARCEL
DATA

✓ 2018
ASSESSOR
DATA

✓ 2016
WATER
USE

✓ 2019
EMBAYMENT
MONITORING

IMPLEMENTATION

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

PROJECT STATUS

Reduction
Project

Remediation
Project

Restoration
Project

P Pilot
project

Project Stage

Attucks Lane Area Sewer Expansion	IMPLEMENTATION
Phinney's Lane Sewer Expansion	DESIGN
Long Pond Sewer Expansion	DESIGN
Marstons Mills WWTF Expansion and Upgrades	FEASIBILITY
Shubael Pond neighborhood I/A System P	DESIGN
Stormwater BMPs at Ropes Beach, Cordwood Landing, and Prince Cove Marina	COMPLETE
Warren's Cove Aquaculture	IMPLEMENTATION
Mill Pond Dredging	FEASIBILITY

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)

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 Bourne

208 COMPLIANCE REPORT | 2020

CUMULATIVE TOWN SNAPSHOT SINCE 208 PLAN APPROVAL

\$12.1M	\$545K	-	200K _{gpd}	452
TOWN MEETING APPROVED FUNDING	GRANT FUNDING RECEIVED	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:

- 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

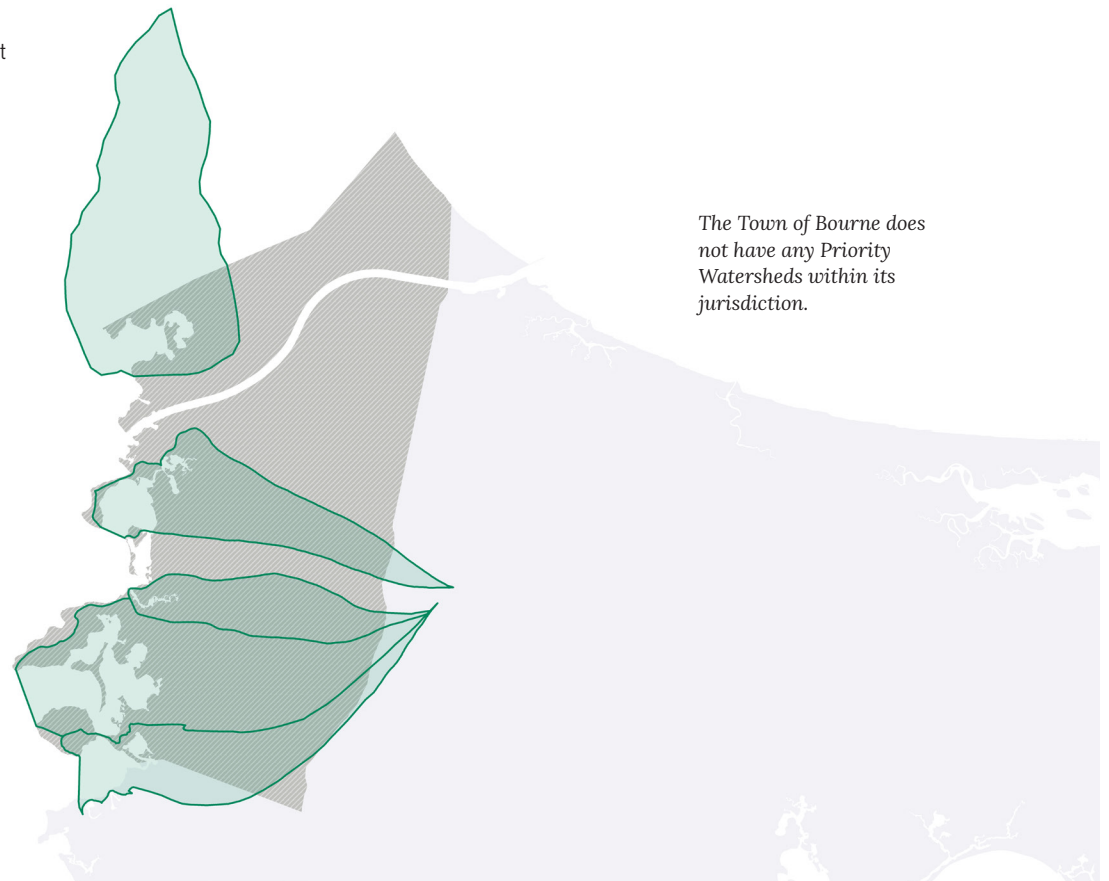
☑ Additional nitrogen related requirements

🟡 In partial compliance with MS4 Permit requirements

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



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 Bourne

208 COMPLIANCE REPORT | 2020

TOWN REGIONAL DATA SHARING STATUS

✓ 2015
PARCEL
DATA

✓ 2018
ASSESSOR
DATA

✓ 2016
WATER
USE

✓ 2018
EMBAYMENT
MONITORING

IMPLEMENTATION

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

PROJECT STATUS

Reduction
Project

Remediation
Project

Restoration
Project

P Pilot
project

Project Stage

Buzzards Bay Wastewater Treatment Plant

IMPLEMENTATION

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)

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

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Town of Brewster

208 COMPLIANCE REPORT | 2020

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

TEAM

Team members engaged in water quality planning efforts.

Town Team:

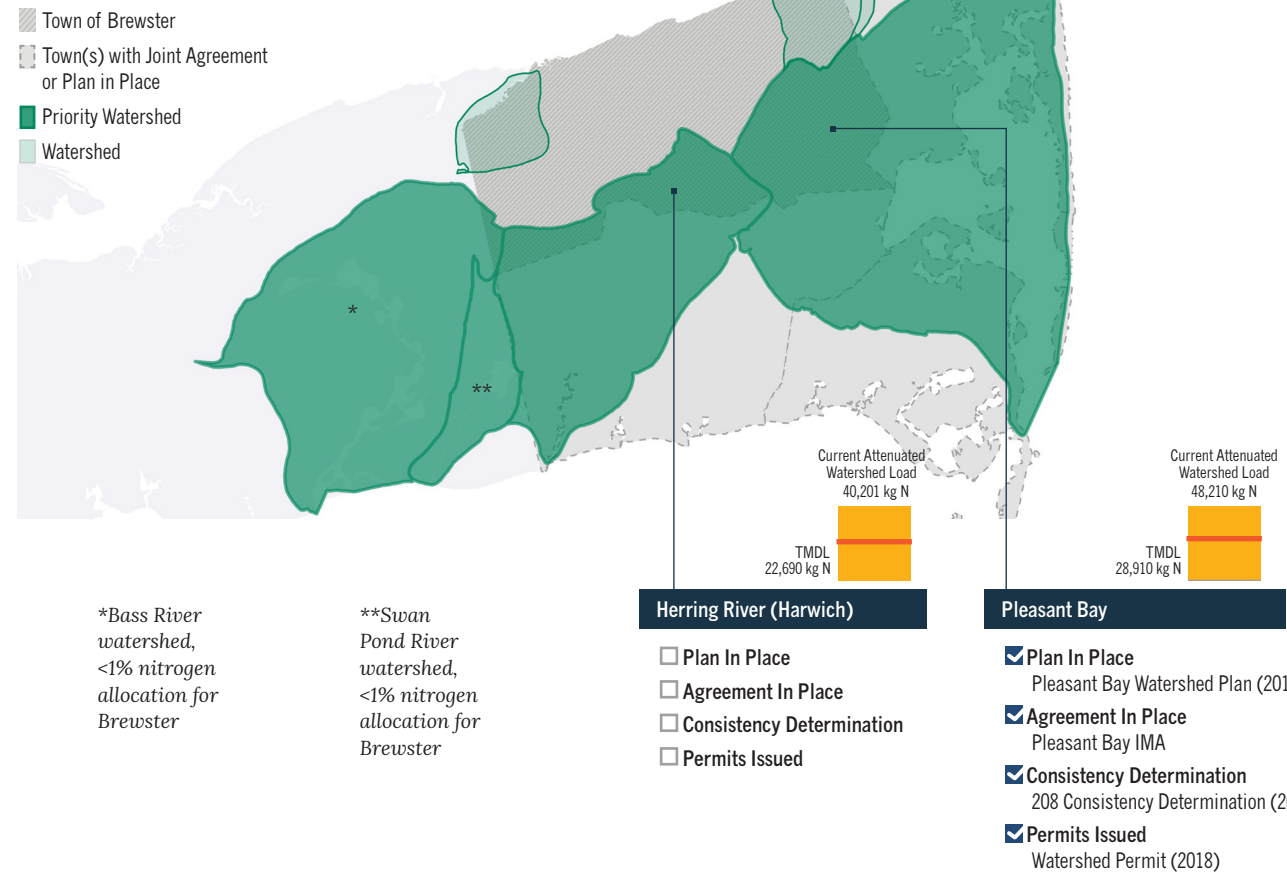
- Comprehensive Water Planning Committee (dissolved 2015)
- Water Quality Review Committee
- Town Planner
- Health Agent
- Natural Resources Director
- Horsley Witten Group

Collaborations:

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

PRIORITY WATERSHED PROGRESS

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



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

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 Brewster

208 COMPLIANCE REPORT | 2020

TOWN REGIONAL DATA SHARING STATUS

✓ 2019
PARCEL
DATA

✓ 2019
ASSESSOR
DATA

✓ 2016
WATER
USE

✓ 2017
EMBAYMENT
MONITORING

IMPLEMENTATION

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

PROJECT STATUS

Reduction Project Remediation Project Restoration Project Pilot project

Project Stage

Captains Golf Course Fertilizer Reduction

IMPLEMENTATION

Captains Golf Course Fertigation

IMPLEMENTATION

On-site Denitrification Systems

FEASIBILITY

LOCAL REGULATORY ACTIONS

✓ Fertilizer By-Law in Place

Zoning Changes

- ✓ November 2019 Zoning bylaw amended: Article 6 Water Quality Protection District (approved)

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 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

- 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

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

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

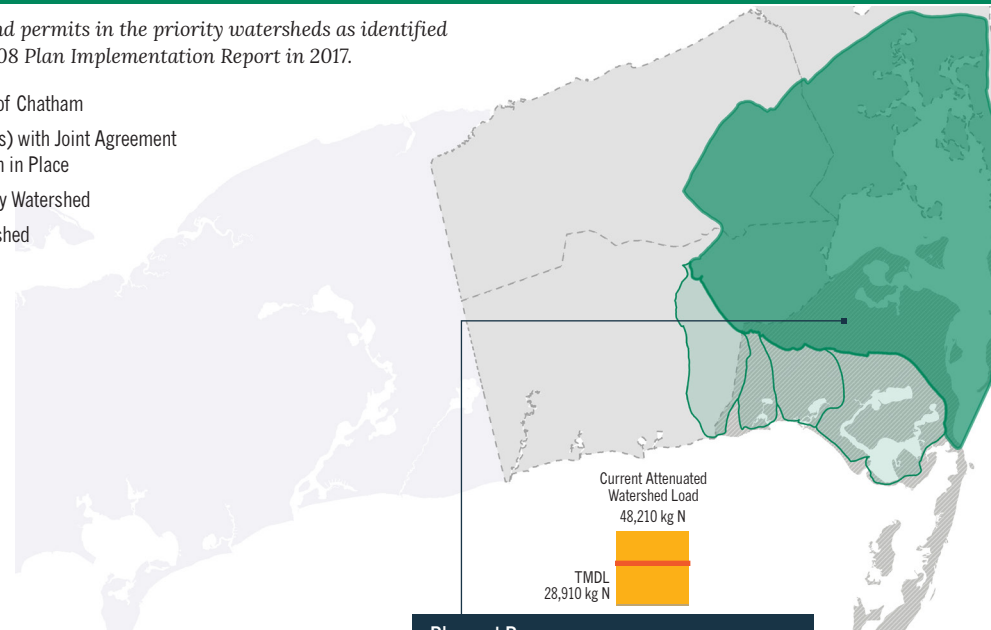
☑ Additional nitrogen related requirements

☐ 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



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)

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 Chatham

208 COMPLIANCE REPORT | 2020

TOWN REGIONAL DATA SHARING STATUS

✓ 2018

PARCEL
DATA

✓ 2019

ASSESSOR
DATA

✓ 2016

WATER
USE

✓ 2018

EMBAYMENT
MONITORING

IMPLEMENTATION

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

PROJECT STATUS

Reduction
Project

Remediation
Project

Restoration
Project

Pilot
project

Project Stage

Town-wide Sewer and Harwich Connection

IMPLEMENTATION

Muddy Creek Bridge Culvert Opening/Tidal Exchange

COMPLETED

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)

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 Dennis

208 COMPLIANCE REPORT | 2020

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

TEAM

Team members engaged in water quality planning efforts.

Town Team:

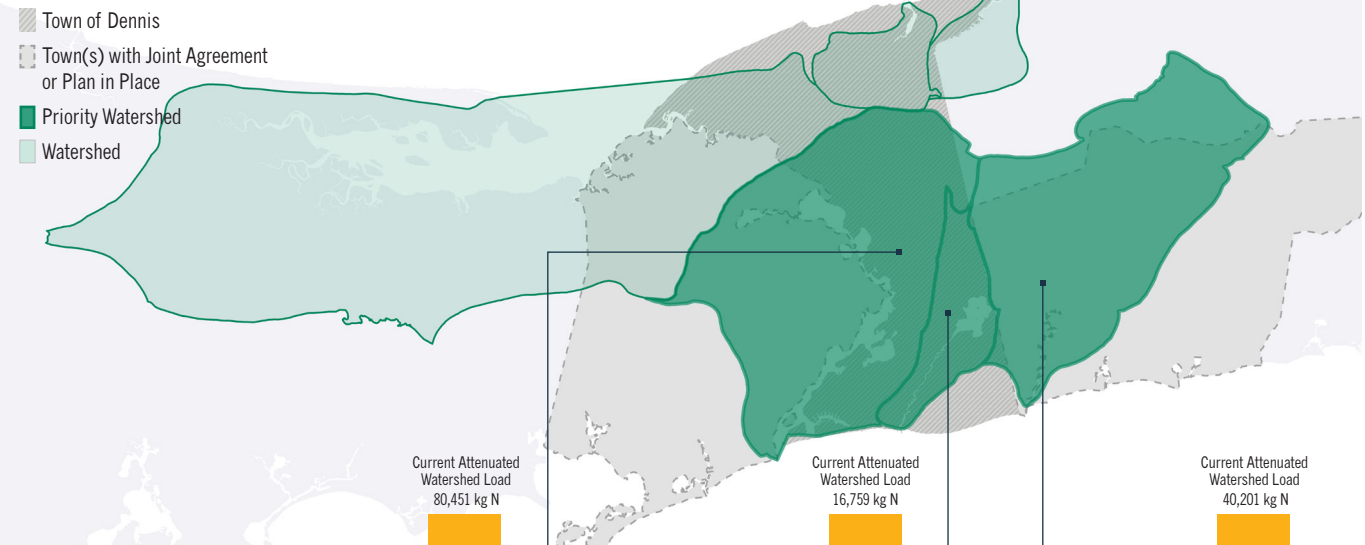
- Water Quality Advisory Committee
- Wastewater Implementation Committee
- Natural Resources Director
- Department of Public Works
- Engineering
- CDM Smith

Collaborations:

- DHY Community Partnership Subcommittee

PRIORITY WATERSHED PROGRESS

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



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

Bass River

- ✓ Plan In Place
DHY Community Partnership Plan (2018)
- ✓ Agreement In Place
- ◻ Consistency Determination
- ◻ Permits Issued

Swan Pond River

- ✓ Plan In Place
DHY Community Partnership Plan (2018)
- ✓ Agreement In Place
- ◻ Consistency Determination
- ◻ Permits Issued

Herring River (Harwich)

- ✓ Plan In Place
DHY Community Partnership Plan (2018)
- ✓ Agreement In Place
- ◻ Consistency Determination
- ◻ Permits Issued

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

TOWN REGIONAL DATA SHARING STATUS

✓ 2018

PARCEL
DATA

✓ 2018

ASSESSOR
DATA

✓ 2016

WATER
USE

✓ 2017

EMBAYMENT
MONITORING

IMPLEMENTATION

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

PROJECT STATUS

Reduction
Project

Remediation
Project

Restoration
Project

Pilot
project

Project Stage

Bass River Railroad Bridge Culvert Opening/Tidal Exchange

COMPLETED

Aquaculture Pilot Project in Swan Pond 

IMPLEMENTATION

LOCAL REGULATORY ACTIONS

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.

 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

- ✓ 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)

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



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available is 5 years or older

Town of Eastham

208 COMPLIANCE REPORT | 2020

CUMULATIVE TOWN SNAPSHOT SINCE 208 PLAN APPROVAL

\$86.7M	\$221K	5	-	-
TOWN MEETING APPROVED FUNDING	GRANT FUNDING RECEIVED	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

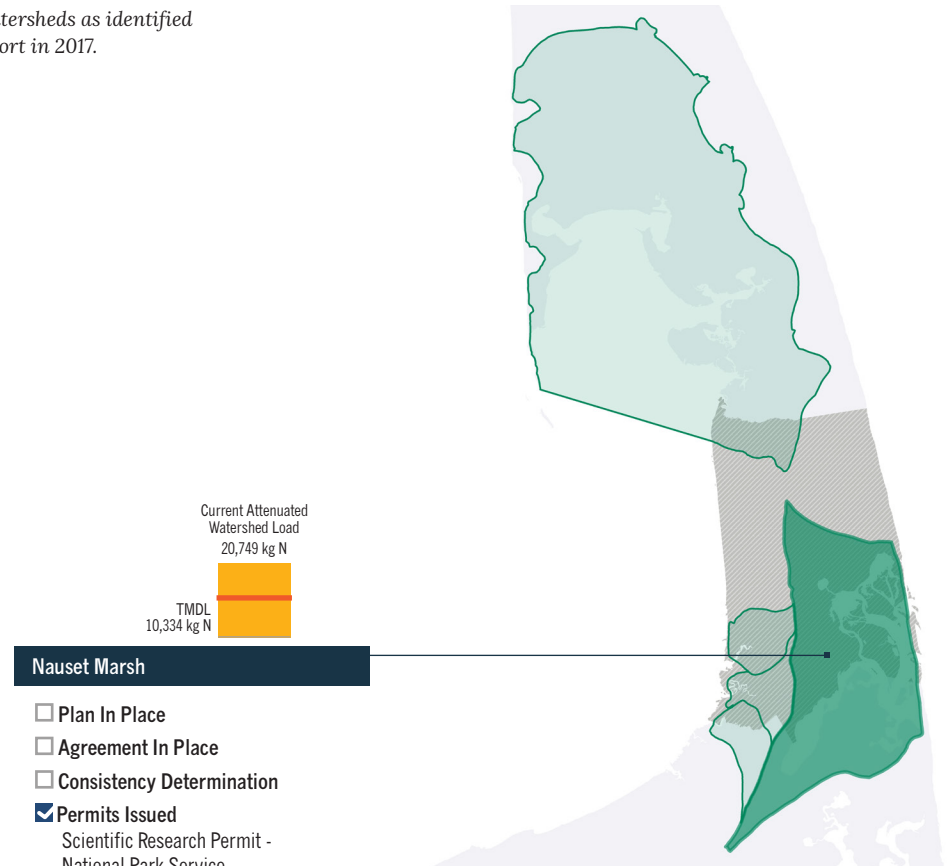
No additional nitrogen related requirements

🟡 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



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 Eastham

208 COMPLIANCE REPORT | 2020

TOWN REGIONAL DATA SHARING STATUS

✓ 2019
PARCEL
DATA

✓ 2019
ASSESSOR
DATA

✓ 2019
WATER
USE

✓ 2019
EMBAYMENT
MONITORING

IMPLEMENTATION

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

PROJECT STATUS

Reduction
Project

Remediation
Project

Restoration
Project

P Pilot
project

Project Stage

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

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)

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)

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 Falmouth

208 COMPLIANCE REPORT | 2020

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

TEAM

Team members engaged in water quality planning efforts.

Town Team:

- Water Quality Management Committee
- Department of Public Works
- GHD, Inc.
- Wright-Pierce
- Science Wares, Inc.
- SMAST

Collaborations:

- Buzzards Bay Coalition
- Town of Barnstable
- Town of Bourne
- Town of Sandwich
- Town of Mashpee
- WHOI
- 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

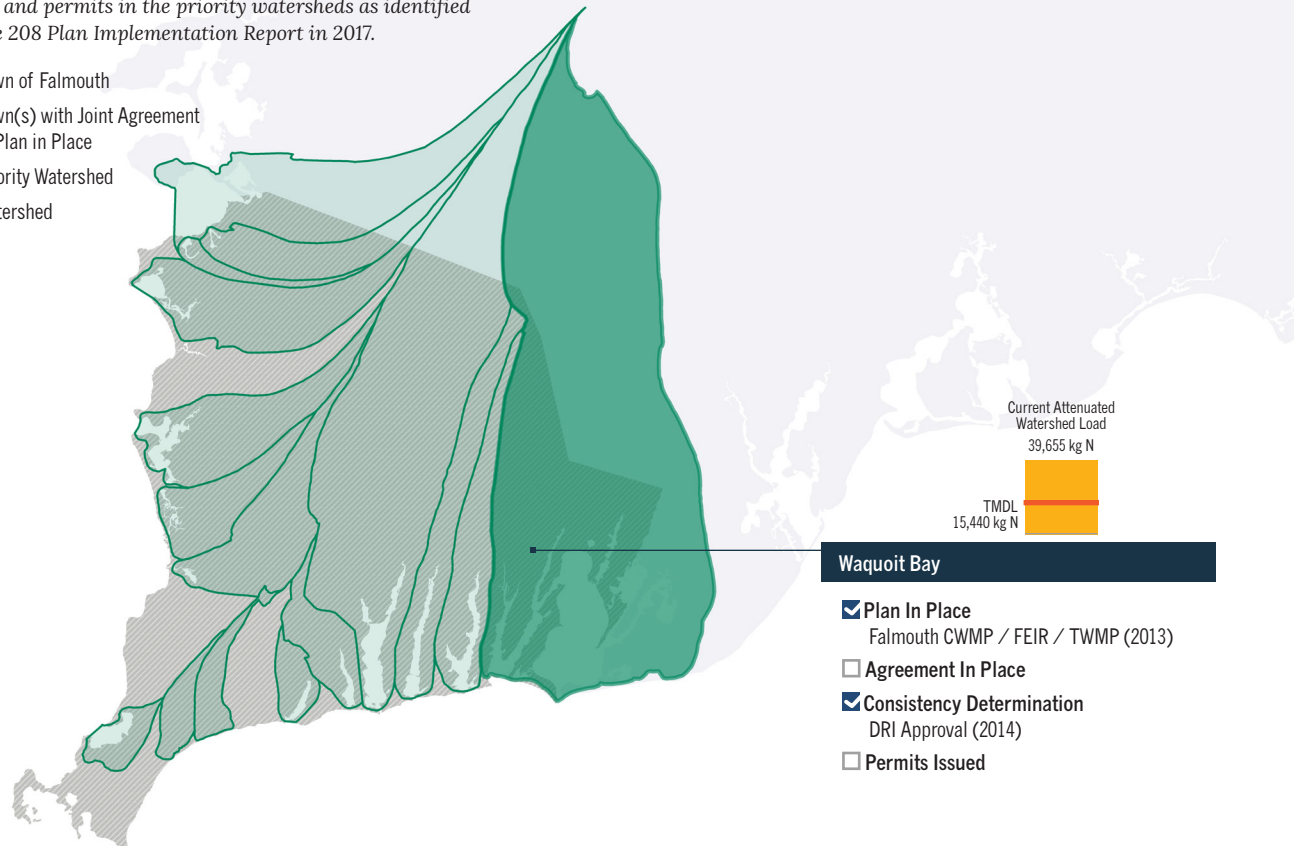
☒ Additional nitrogen related requirements

☐ 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




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 Falmouth

208 COMPLIANCE REPORT | 2020

TOWN REGIONAL DATA SHARING STATUS

✓ 2020
PARCEL
DATA

✓ 2020
ASSESSOR
DATA

✓ 2016
WATER
USE

■ 2018
EMBAYMENT
MONITORING

IMPLEMENTATION

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

PROJECT STATUS

Reduction
Project

Remediation
Project

Restoration
Project

P Pilot
project

Project Stage

Little Pond Sewer	COMPLETED
Teaticket / Acapesket Sewer	FEASIBILITY
I/A System Installations P	COMPLETED
Shorewood Drive Permeable Reactive Barrier P	IMPLEMENTATION
Little Pond Oyster Aquaculture Demonstration Project P	COMPLETED
Bourne's Pond Oyster Aquaculture Demonstration Project P	COMPLETED
Bourne's Pond Inlet Widening	IMPLEMENTATION
Eel River Shellfish Demonstration Project P	IMPLEMENTATION
Mill Pond Restoration	IMPLEMENTATION

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.

✓ Cape Cod and Islands Water Protection Fund Member Community

Town Funding Actions

- ✗ 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)

Grant Funding

- ✓ 2019 SNEP Watershed Grant: Field Scale Validation of Permeable Reactive Barriers for Non-Point Source Groundwater Nitrogen Remediation (\$298,598 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 IMPLEMENTATION ACTIONS

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

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 Harwich

208 COMPLIANCE REPORT | 2020

CUMULATIVE TOWN SNAPSHOT SINCE 208 PLAN APPROVAL

\$23.4M

TOWN MEETING
APPROVED
FUNDING

\$572K

GRANT
FUNDING
RECEIVED

2

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:

- 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

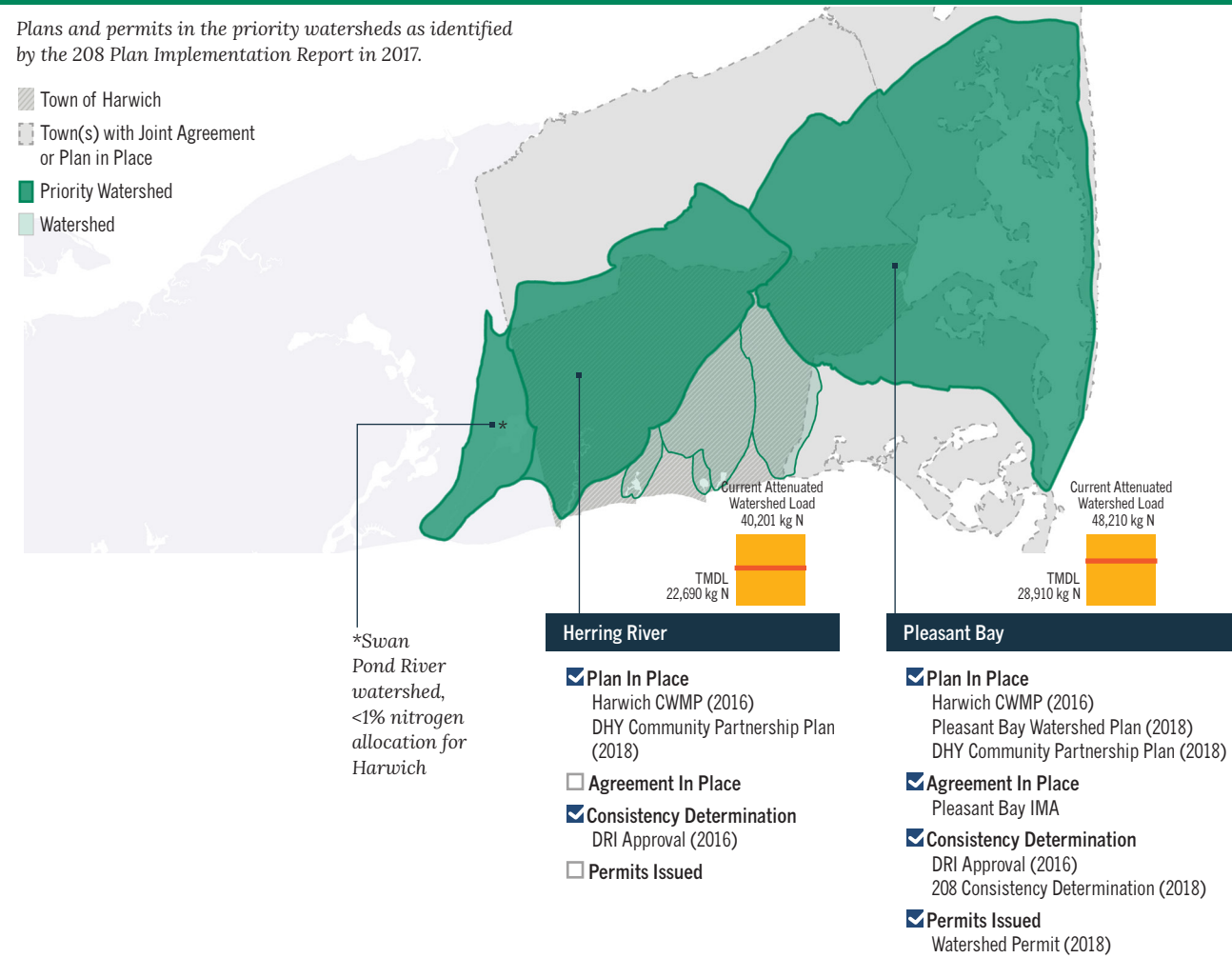
☒ Additional nitrogen related requirements

☒ 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



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

TOWN REGIONAL DATA SHARING STATUS

✓ 2012
PARCEL
DATA

✓ 2021
ASSESSOR
DATA

✓ 2016
WATER
USE

✓ 2019
EMBAYMENT
MONITORING

IMPLEMENTATION

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

PROJECT STATUS

Reduction Project Remediation Project Restoration Project Pilot project

Project Stage

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)

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 Mashpee

208 COMPLIANCE REPORT | 2020

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

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

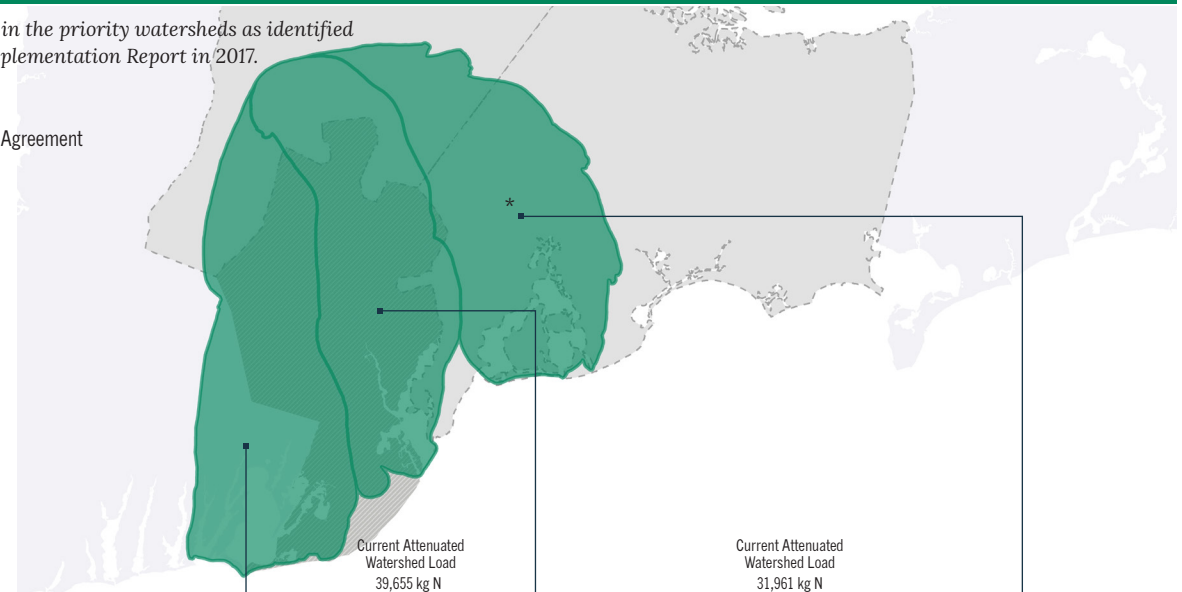
☒ Additional nitrogen related requirements

☐ 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
-  Priority Watershed
-  Watershed



Current Attenuated
Watershed Load
39,655 kg N

TMDL
15,440 kg N

Waquoit Bay

- ☒ Plan In Place
Mashpee CWMP (2014)
- ☐ Agreement In Place
- ☒ Consistency Determination
208 Consistency Determination
- Phase 1 (2017)
- ☐ Permits Issued

Current Attenuated
Watershed Load
31,961 kg N




TMDL
13,852 kg N

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

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

Town of Mashpee

208 COMPLIANCE REPORT | 2020

TOWN REGIONAL DATA SHARING STATUS

✓ 2019

PARCEL
DATA

✓ 2019

ASSESSOR
DATA

✓ 2016

WATER
USE

✓ 2017

EMBAYMENT
MONITORING

IMPLEMENTATION

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

PROJECT STATUS

Reduction
Project

Remediation
Project

Restoration
Project

Pilot
project

Project Stage

Wastewater Treatment Improvements	FEASIBILITY
Popponeset Bay Aquaculture	IMPLEMENTATION
Mashpee River Aquaculture	IMPLEMENTATION
Quashnet/Moonakis River Aquaculture Feasibility Study (determined not feasible)	FEASIBILITY

LOCAL REGULATORY ACTIONS

✓ Fertilizer By-Law in Place

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 (\$26,905 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



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available is 5 years or older

Town of Orleans

208 COMPLIANCE REPORT | 2020

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

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

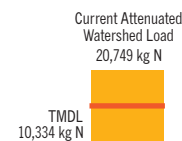
✓ Additional nitrogen related requirements

◻ In partial compliance with MS4 Permit requirements

PRIORITY WATERSHED PROGRESS

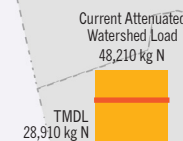
Plans and permits in the priority watersheds as identified by the 208 Plan Implementation Report in 2017.

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



Nauset Marsh

- ✓ Plan In Place
Orleans CWMP (2010)
- ◻ Agreement In Place
- ✓ Consistency Determination
DRI Approval (2011)
- ◻ Permits Issued



Pleasant Bay

- ✓ Plan In Place
Orleans CWMP (2010)
Pleasant Bay Watershed Plan (2018)
- ✓ Agreement In Place
Pleasant Bay IMA
- ✓ Consistency Determination
DRI Approval (2011)
208 Consistency Determination (2018)
- ✓ Permits Issued
Watershed Permit (2018)

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 Orleans

208 COMPLIANCE REPORT | 2020

TOWN REGIONAL DATA SHARING STATUS

✓ 2018

PARCEL
DATA

✓ 2018

ASSESSOR
DATA

✓ 2016

WATER
USE

✓ 2018

EMBAYMENT
MONITORING

IMPLEMENTATION

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

PROJECT STATUS

Reduction
Project

Remediation
Project

Restoration
Project

P Pilot
project

Project Stage

Downtown Sewer

IMPLEMENTATION

Eldredge Park Permeable Reactive Barrier Pilot P

IMPLEMENTATION

Lonnies Pond Aquaculture Pilot P

IMPLEMENTATION

LOCAL REGULATORY ACTIONS

✓ Fertilizer By-Law in Place

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 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 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)

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 Provincetown

208 COMPLIANCE REPORT | 2020

CUMULATIVE TOWN SNAPSHOT SINCE 208 PLAN APPROVAL

\$6.5M

TOWN MEETING
APPROVED
FUNDING

\$212K

GRANT
FUNDING
RECEIVED

-

NON-
TRADITIONAL
PROJECTS
UNDERWAY

235K_{gpd}

TOTAL FLOW
COLLECTED BY
CENTRALIZED
SYSTEMS

1,001

ALL PROPERTIES
SERVED BY
CENTRALIZED
SYSTEMS

TEAM

Team members engaged in water quality planning efforts.

Town Team:

- Water and Sewer Board
- Sewer Department
- Environmental Partners Group

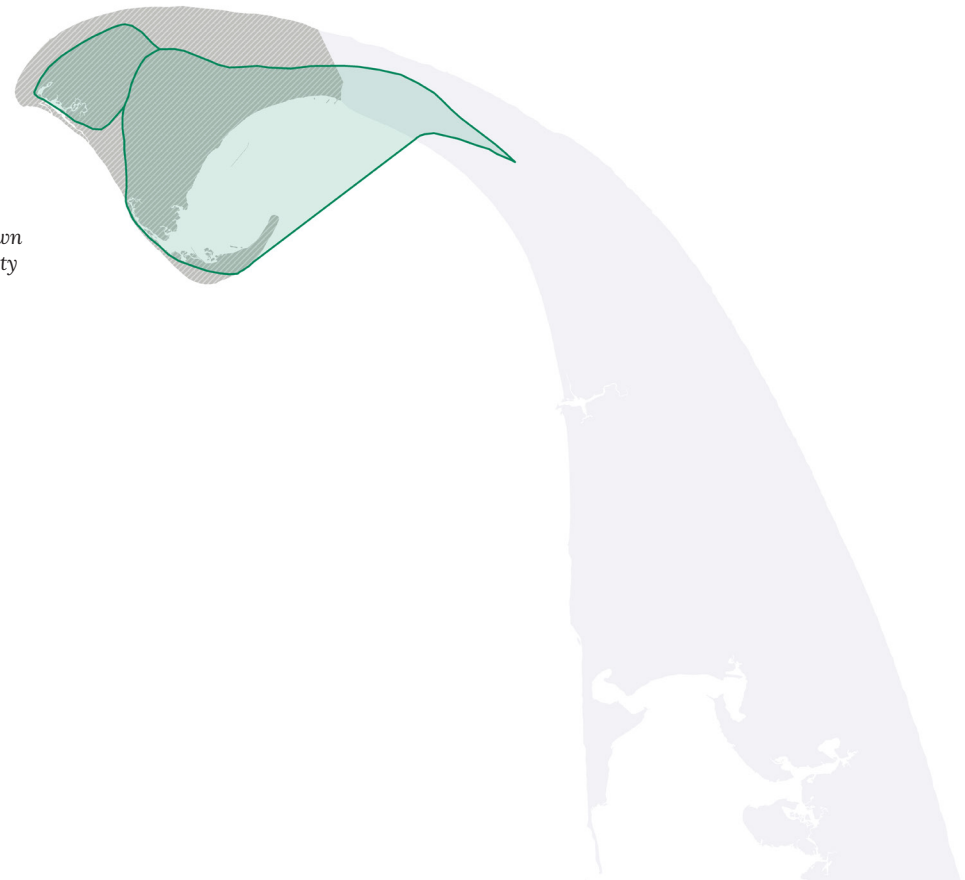
Collaborations:

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

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 Provincetown

208 COMPLIANCE REPORT | 2020

TOWN REGIONAL DATA SHARING STATUS

✓ 2019

PARCEL
DATA

✓ 2020

ASSESSOR
DATA

✓ 2016

WATER
USE

■ 2017

EMBAYMENT
MONITORING

IMPLEMENTATION

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

PROJECT STATUS

Reduction
Project

Remediation
Project

Restoration
Project

Pilot
project

Project Stage

Wastewater Plant Expansion

DESIGN

LOCAL REGULATORY ACTIONS

✓ Fertilizer By-Law in Place

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

✓ 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)

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 Sandwich

208 COMPLIANCE REPORT | 2020

CUMULATIVE TOWN SNAPSHOT SINCE 208 PLAN APPROVAL

\$77M*

TOWN MEETING
APPROVED
FUNDING

\$521K

GRANT
FUNDING
RECEIVED

-

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:

- 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

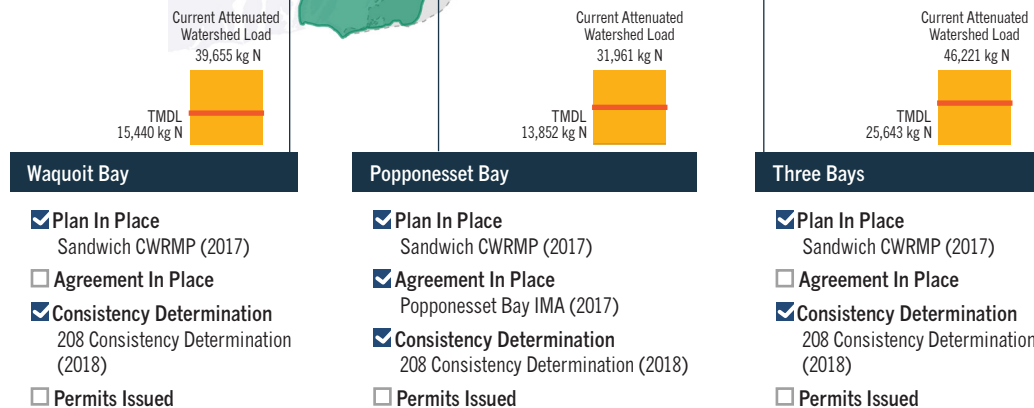
No additional nitrogen related requirements

✓ In compliance with MS4 Permit requirements

PRIORITY WATERSHED PROGRESS

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

- Town of Sandwich
- 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

Town of Sandwich

208 COMPLIANCE REPORT | 2020

TOWN REGIONAL DATA SHARING STATUS

✓ 2020

PARCEL
DATA

✓ 2020

ASSESSOR
DATA

✓ 2019

WATER
USE

✓ 2017

EMBAYMENT
MONITORING

IMPLEMENTATION

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

PROJECT STATUS

Reduction
Project

Remediation
Project

Restoration
Project

Pilot
project

Project Stage

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

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 Truro

208 COMPLIANCE REPORT | 2020

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

TEAM

Team members engaged in water quality planning efforts.

Town Team:





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

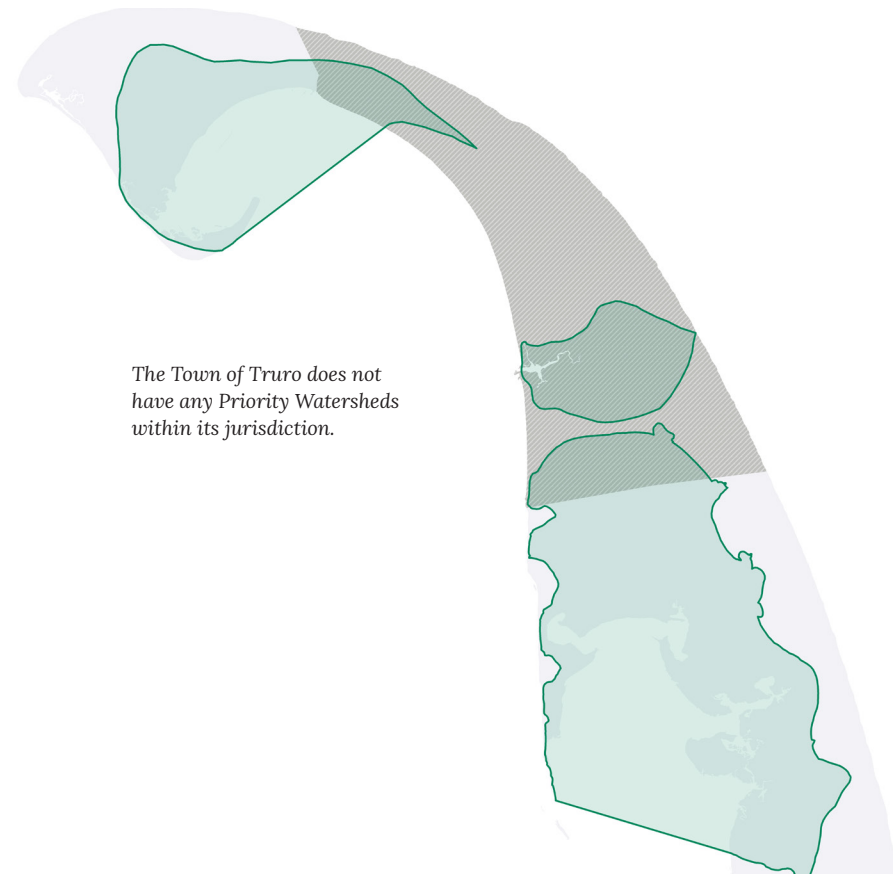
Collaborations:

- Cape Cod Commission

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



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

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 Truro

208 COMPLIANCE REPORT | 2020

TOWN REGIONAL DATA SHARING STATUS

✓ 2019

PARCEL
DATA

✓ 2019

ASSESSOR
DATA

✓ 2016

WATER
USE

✓ 2017

EMBAYMENT
MONITORING

IMPLEMENTATION

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

PROJECT STATUS

Reduction
Project

Remediation
Project

Restoration
Project

Pilot
project

Project Stage

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)

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

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available is 5 years or older

Town of Wellfleet

208 COMPLIANCE REPORT | 2020

CUMULATIVE TOWN SNAPSHOT SINCE 208 PLAN APPROVAL

\$120K

TOWN MEETING
APPROVED
FUNDING

\$322K

GRANT
FUNDING
RECEIVED

-

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:





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

Collaborations:

- MassDEP
- Cape Cod Commission

PRIORITY WATERSHED PROGRESS

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

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

The Town of Wellfleet 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

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 Wellfleet

208 COMPLIANCE REPORT | 2020

TOWN REGIONAL DATA SHARING STATUS

☒ 2019PARCEL
DATA☒ 2019ASSESSOR
DATA☒ 2016WATER
USE☒ 2017EMBAYMENT
MONITORING

IMPLEMENTATION

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

PROJECT STATUS

 Reduction
Project Remediation
Project Restoration
Project Pilot
project

Project Stage

Transfer Station Wastewater Disposal

FEASIBILITY

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)

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 2020Text color indicates that data made
available is 5 years or older

Town of Yarmouth

208 COMPLIANCE REPORT | 2020

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

TEAM

Team members engaged in water quality planning efforts.

Town Team:


- Water Resources Advisory Committee
- Department of Public Works
- CDM Smith

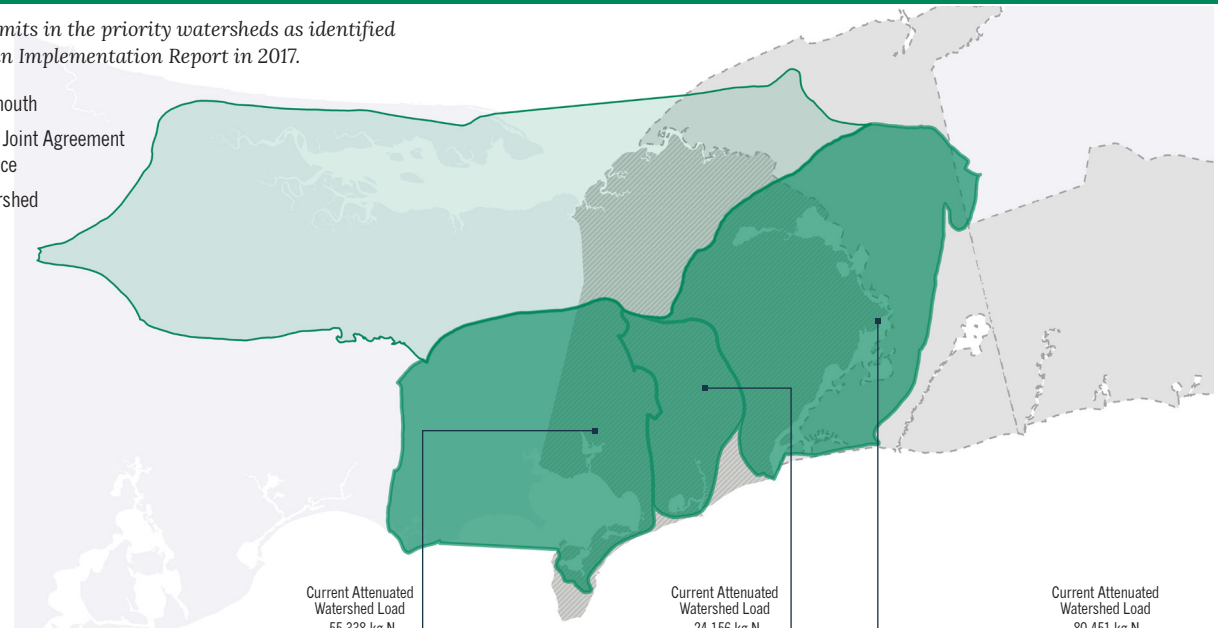
Collaborations:

- DHY Community Partnership Subcommittee
- Barnstable

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



Current Attenuated
Watershed Load
55,338 kg N

TMDL
35,705 kg N

Lewis Bay

✓ Plan In Place

DHY Community Partnership Plan (2018)

- ☐ Agreement In Place
- ☐ Consistency Determination
- ☐ Permits Issued

Current Attenuated
Watershed Load
24,156 kg N

TMDL
4,913 kg N

Parkers River

✓ Plan In Place

DHY Community Partnership Plan (2018)

- ☐ Agreement In Place
- ☐ Consistency Determination
- ☐ Permits Issued

Current Attenuated
Watershed Load
80,451 kg N

TMDL
41,792 kg N

Bass River

✓ Plan In Place

DHY Community Partnership Plan (2018)

- ☐ Agreement In Place
- ☐ Consistency Determination
- ☐ Permits Issued

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

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 Yarmouth

208 COMPLIANCE REPORT | 2020

TOWN REGIONAL DATA SHARING STATUS

✓ 2019

PARCEL
DATA

✓ 2019

ASSESSOR
DATA

✓ 2016

WATER
USE

✓ 2017

EMBAYMENT
MONITORING

IMPLEMENTATION

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

PROJECT STATUS

Reduction
Project

Remediation
Project

Restoration
Project

P Pilot
project

Project Stage

Route 6 Rail Trail Bridge Culvert Opening/Tidal Exchange

Route 28 Bridge Culvert Opening/Tidal Exchange (Parkers River)

Stormwater BMPs at Colonial Acres and Bayview Street

IMPLEMENTATION

COMPLETED

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.

✓ Cape Cod and Islands Water Protection Fund Member Community

Town Funding Actions

- ✓ 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)

SYMBOL LEGEND

✓ Complete or Approved

Partial

✗ Not Shared or Not Approved

Not Available

OTHER LEGEND

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