

Town of Barnstable

208 COMPLIANCE REPORT | 2021

CUMULATIVE TOWN SNAPSHOT SINCE 208 PLAN APPROVAL

\$92.7M

TOWN
APPROVED
FUNDING

\$13.4M

GRANT
FUNDING
RECEIVED

3

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:

- Department of Public Works
- Planning and Development Department
- MassDEP
- SMAST
- Barnstable Clean Water Coalition

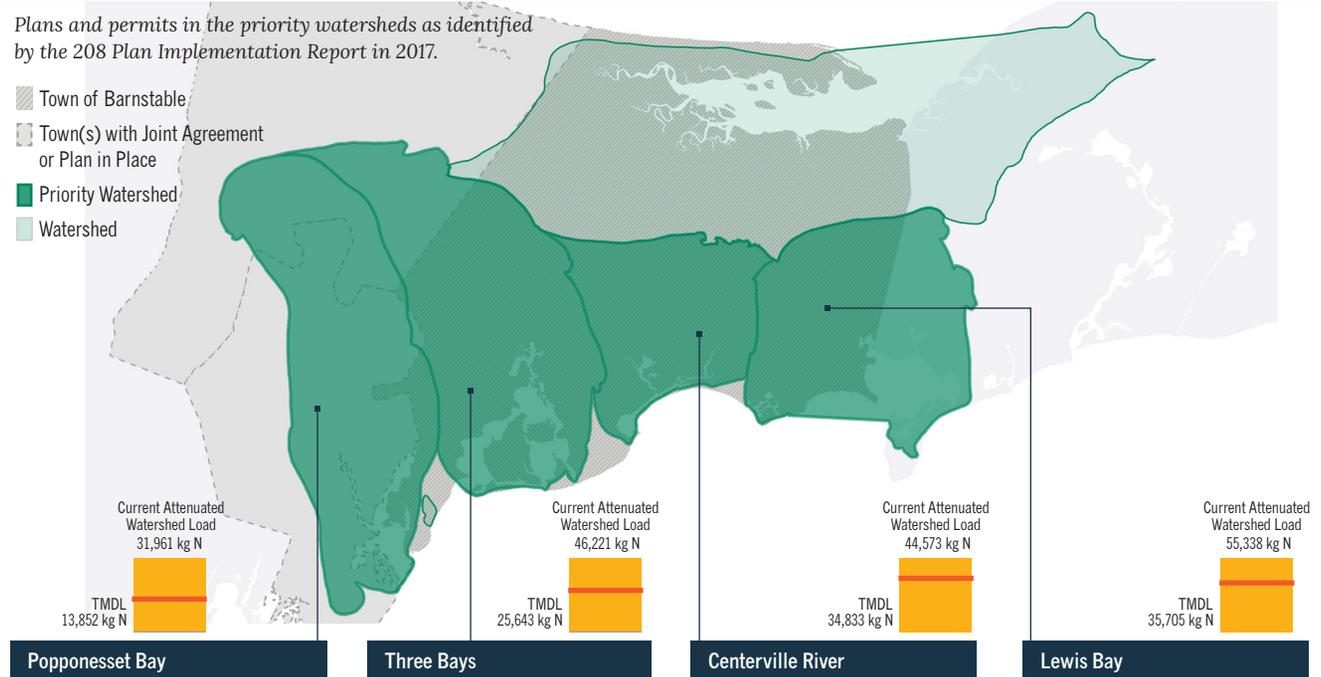
Collaborations:

- Town of Mashpee
- Town of Sandwich
- Town of Yarmouth
- Town of Bourne
- Town of Falmouth
- JBCC

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



Popponneset Bay

- Plan In Place**
Barnstable CWMP (2020)
- Agreement In Place**
Popponneset Bay IMA (2017)
- Consistency Determination**
208 Consistency Determination (2021)
- Permits Issued**
**No additional permits required under CWMP*

Three Bays

- Plan In Place**
Barnstable CWMP (2020)
- Agreement In Place**
- Consistency Determination**
208 Consistency Determination (2021)
- Permits Issued**
**No additional permits required under CWMP*

Centerville River

- Plan In Place**
Barnstable CWMP (2020)
- Agreement In Place**
- Consistency Determination**
208 Consistency Determination (2021)
- Permits Issued**
**No additional permits required under CWMP*

Lewis Bay

- Plan In Place**
Barnstable CWMP (2020)
Barnstable Wastewater Facilities Plan (2007)
- Agreement In Place**
- Consistency Determination**
208 Consistency Determination (2021)
- Permits Issued**
GWDP

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 November 2020 through November 2021

The Cumulative Town Snapshot section summarizes the funding snapshot categories since 2015

Town of Barnstable

208 COMPLIANCE REPORT | 2021

TOWN REGIONAL DATA SHARING STATUS

<input checked="" type="checkbox"/> 2018	<input checked="" type="checkbox"/> 2018	<input checked="" type="checkbox"/> 2016	<input checked="" type="checkbox"/> 2020
PARCEL DATA	ASSESSOR DATA	WATER USE	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	■ Pilot project
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Project Stage

Strawberry Hill Road Sewer Expansion	IMPLEMENTATION
Route 28 East Sewer Expansion	DESIGN
Water Pollution Control Facility Upgrades	FEASIBILITY
Phinney's Lane Sewer Expansion	DESIGN
Long Pond Sewer Expansion	DESIGN
Shubael Pond neighborhood I/A System P	DESIGN
Warren's Cove Aquaculture	FEASIBILITY
Mill Pond Dredging	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.

- 2021 General Ordinance Establishing Sewer Assessments, approved July 1, 2021 (2021-139)

FUNDING

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

Cape Cod and Islands Water Protection Fund (CCIWPF) Member Community

Town Funding Actions

- 2021 Monitoring and Management Plan Report Freshwater Ponds Project (\$165,000 Approved)
- 2021 Stormwater Improvements at Ponds Project (\$325,000 Approved)
- 2021 Culvert Improvements Project (\$245,000 Approved)
- 2021 Water Pollution Control Facility Study Project (\$250,000 Approved)
- 2021 Pump Station Rehabilitation Program (\$2,100,000 Approved)
- 2021 Strawberry Hill Road Sewer Expansion (\$13,274,875 Approved)
- 2021 WPCF Solids Processing Upgrades (\$11,350,000 Approved)
- 2021 Route 28 East Sewer Expansion Project (\$22,000,000 Approved)
- 2021 720 Main Street Pump Station Upgrade Design (\$365,000 Approved)

Grant Funding

- 2021 CCIWPF: Wastewater Pump Stations Improvement Project (2020 IUP) (\$500,000 Awarded - Applicant)
- 2021 CCIWPF: Strawberry Hill Road Sewer Expansion (2020 IUP) (\$3,318,756 Awarded - Applicant)
- 2021: Solids Handling Upgrade (2020 IUP) (\$2,123,763 Awarded - Applicant)
- 2021 CCIWPF: Route 28 and Yarmouth Rd Intersection Sewer (2020 IUP) (\$463,441 Awarded - Applicant)
- 2021: Route 28 East Sewer Expansion Project (2021 IUP) (\$4,276,500 Contingent Commitment - Applicant)
- 2021 CCIWPF: Wastewater Pump Stations Improvement Project (2021 IUP) (\$500,000 Contingent Commitment - Applicant)
- 2021 Housing Choice Grant for 720 Main Street Pump Station Upgrade (\$250,000 Awarded - Applicant)

SYMBOL LEGEND

<input checked="" type="checkbox"/> Complete or Approved	<input type="checkbox"/> Partial	<input type="checkbox"/> Not Shared or Not Approved	<input type="checkbox"/> Not Available
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OTHER LEGEND

Progress shown is for the period from November 2020 through November 2021

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

Town of Bourne

208 COMPLIANCE REPORT | 2021

CUMULATIVE TOWN SNAPSHOT SINCE 208 PLAN APPROVAL

\$12.3M	\$1.71M	-	200K _{gpd}	452
TOWN 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
- Environmental Partners Group

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

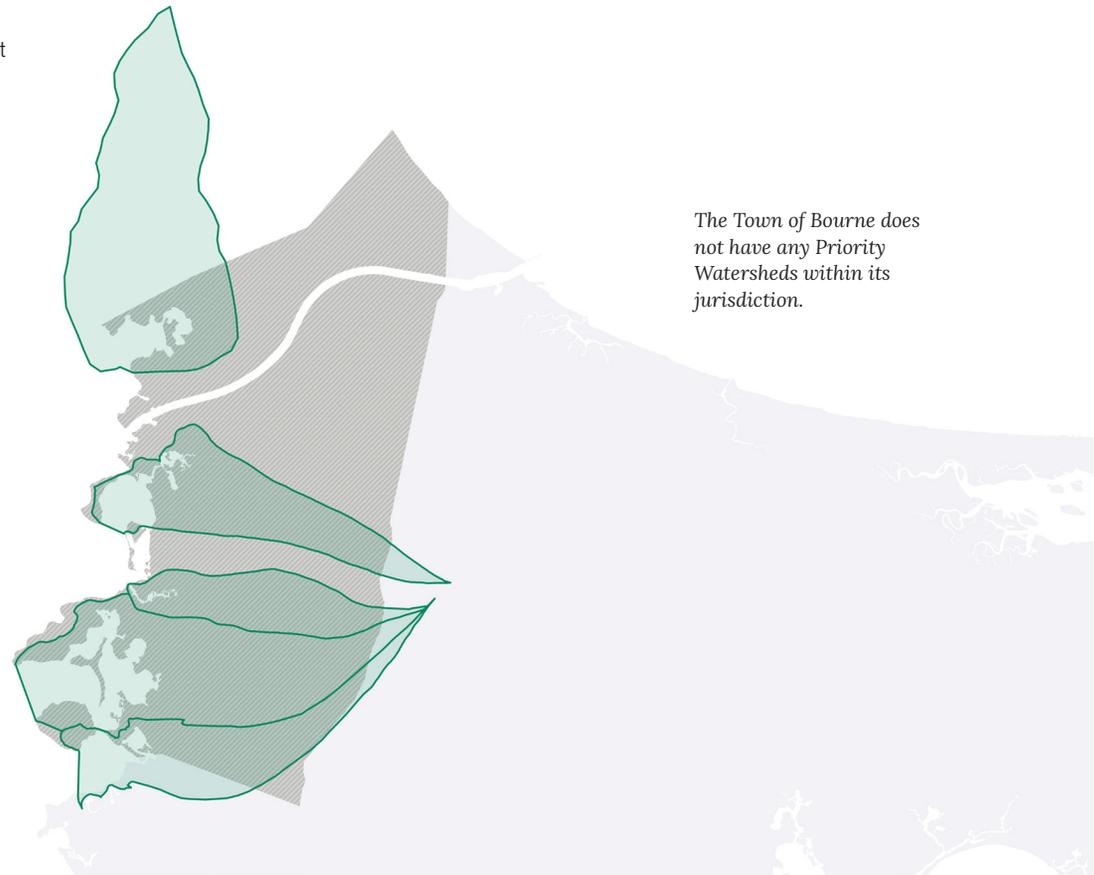
SYMBOL LEGEND

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

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.

OTHER LEGEND

Progress shown is for the period from November 2020 through November 2021

The Cumulative Town Snapshot section summarizes the funding snapshot categories since 2015

Town of Bourne

208 COMPLIANCE REPORT | 2021

TOWN REGIONAL DATA SHARING STATUS

<input checked="" type="checkbox"/> 2015	<input checked="" type="checkbox"/> 2018	<input checked="" type="checkbox"/> 2016	<input checked="" type="checkbox"/> 2018
PARCEL DATA	ASSESSOR DATA	WATER USE	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

Buzzards Bay Wastewater Treatment Plant

IMPLEMENTATION

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

- 2021 Annual dredging, piers and ramp maintenance (\$200,000 Approved)

Grant Funding

- 2020 Section 604(b) Water Quality Management Planning Program: Red Brook Harbor Monitoring to Support TMDL Development (\$48,344 Awarded - Applicant)
- 2021 Cape Cod and Islands Water Protection Fund: Buzzards Bay Water Treatment Facility (2019 IUP) (\$1,165,103 Awarded - Applicant)

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.

- 2021 Seek to expand Cape Cod and Islands Water Protection Fund legislation to allow inclusion of projects funded in cooperation with non-member towns (Approved)
- 2021 Update floodplain regulations to conform with National Flood Insurance Program (Approved)
- 2021 Establish a Climate Resiliency and Infrastructure Stabilization Fund (Approved)

SYMBOL LEGEND

- Complete or Approved
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- Not Available

OTHER LEGEND

- Progress shown is for the period from November 2020 through November 2021
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Town of Brewster

208 COMPLIANCE REPORT | 2021

CUMULATIVE TOWN SNAPSHOT SINCE 208 PLAN APPROVAL

\$612K TOWN APPROVED FUNDING	\$482K* GRANT FUNDING RECEIVED	3 NON-TRADITIONAL PROJECTS UNDERWAY	- TOTAL FLOW COLLECTED BY CENTRALIZED SYSTEMS	- ALL PROPERTIES SERVED BY CENTRALIZED SYSTEMS
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TEAM

Team members engaged in water quality planning efforts.

Town Team:

- Water Quality Review Committee
- Town Administrator
- DPW Director
- 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

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.

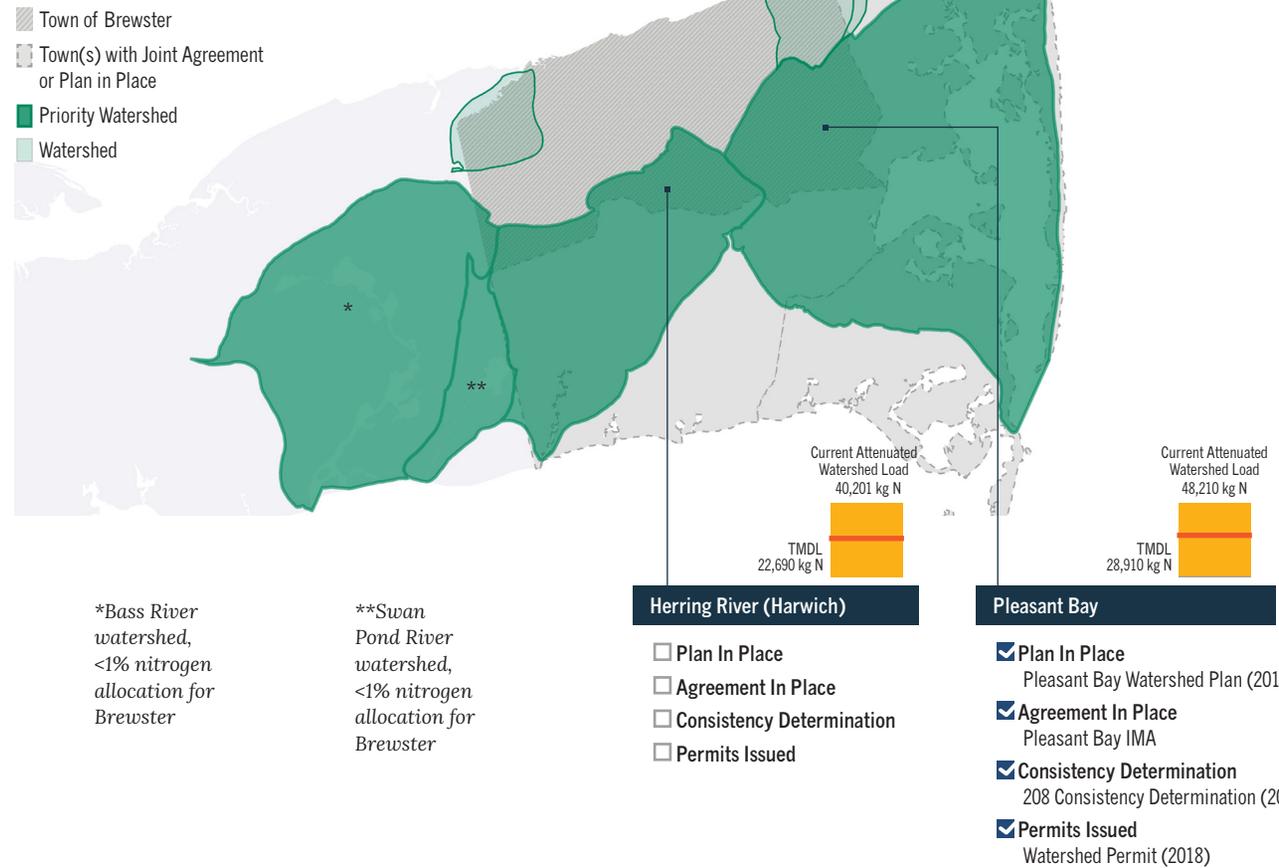
☑ Subject to MS4 Permit

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.



SYMBOL LEGEND

- ☑ Complete or Approved
- 🟡 Partial
- ❌ Not Shared or Not Approved
- 🔲 Not Available

OTHER LEGEND

Progress shown is for the period from November 2020 through November 2021

The Cumulative Town Snapshot section summarizes the funding snapshot categories since 2015

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

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

- ✓ 2021 Professional services for MS4 stormwater permitting and compliance (\$80,000 Approved)
- ✓ 2021 Walkers Pond Water Quality Evaluation (\$40,000 Approved)
- ✓ 2021 Pleasant Bay Fertilizer Impact Assessment at Captains Golf Course (\$140,000 Approved)
- ✓ 2021 Integrated Water Resources Planning and Implementation (\$75,000 Approved)

LOCAL REGULATORY ACTIONS

✓ Fertilizer By-Law in Place

Zoning Changes

- ✓ 2021 Amendments to Water Quality Protection District zoning bylaw (Pending approval by the Massachusetts Attorney General's Office)

Adoption of Regulations

- ✓ 2021 New Stormwater Management general bylaw (Pending approval by the Massachusetts Attorney General's Office)

TOWN IMPLEMENTATION ACTIONS

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

- None in reporting period

Grant Funding

- None in reporting period

* From Town Snapshot: grant funds reflect a decrease of \$20k from the 2020 report, as a grant was previously duplicated.

SYMBOL LEGEND

- ✓ Complete or Approved
- ◻ Partial
- ✗ Not Shared or Not Approved
- ▨ Not Available

OTHER LEGEND



Progress shown is for the period from November 2020 through November 2021



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

Town of Chatham

208 COMPLIANCE REPORT | 2021

CUMULATIVE TOWN SNAPSHOT SINCE 208 PLAN APPROVAL

\$51.8M	\$4.95M	1	215K _{gpd}	1,015
TOWN 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:

- Water and Sewer Commission
- Department of Public Works
- Natural Resources Director
- GHD

Collaborations:

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

MS4 COMPLIANCE

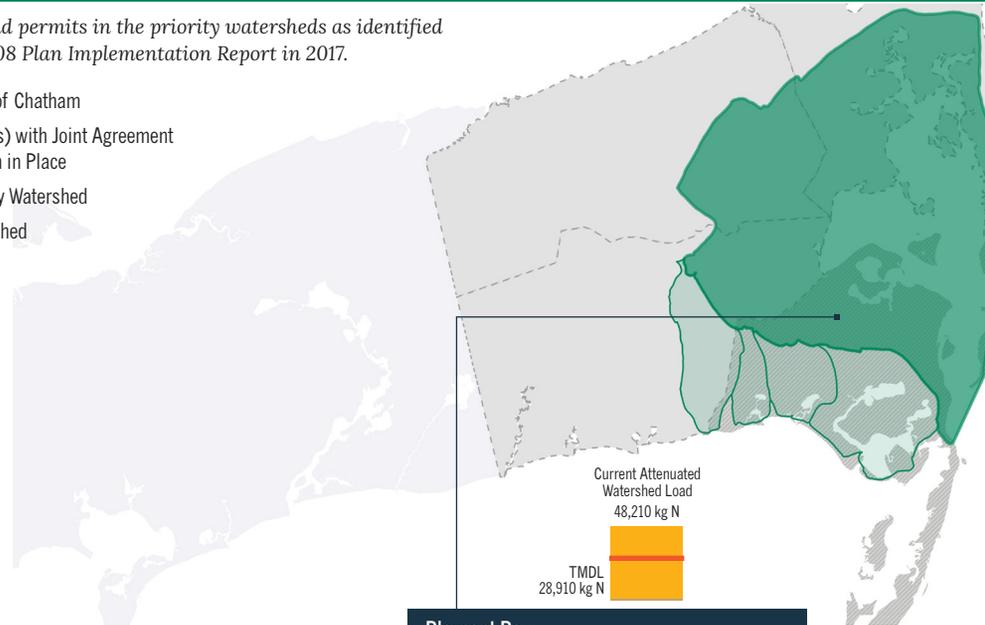
12 Cape Cod towns are required to address stormwater discharge under the MS4 Permit. Towns with nitrogen impaired waters must meet additional permit requirements.

- 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
<input checked="" type="checkbox"/>	Complete or Approved
<input type="checkbox"/>	Partial
<input type="checkbox"/>	Not Shared or Not Approved
<input type="checkbox"/>	Not Available

OTHER	LEGEND
	Progress shown is for the period from November 2020 through November 2021
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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
Stormwater BMPs at Frost Fish Creek, Chatham Harbor, and Oyster Pond	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

- 2021 Queen Anne Road Pump Station upgrade and capacity expansion (\$7,000,000 Approved)
- 2021 Stormwater project/borrowing (\$4,500,000 Approved)
- 2021 Design and construction of replacement water mains (\$500,000 Approved)
- 2021 Training Field Wells 5 and 8 Study (\$75,000 Approved)
- 2021 Design and engineering for Wells 10 and 11 completion and well blending (\$150,000 Approved)
- 2021 Dredging (\$300,000 Approved)

Grant Funding

- 2021 Cape Cod and Islands Water Protection Fund: Phase 1D - Chatham / Harwich Regionalization (2018 IUP) (\$2,043,715 Awarded - Applicant)
- 2021 Cape Cod and Islands Water Protection Fund: Sewer Extension - Phases 1D-2, 1E, Stony Hill, George Ryder Rd (2019 IUP) (\$331,246 Awarded - Applicant)
- 2021 Cape Cod and Islands Water Protection Fund: Chatham Queen Anne Pumping Station Upgrade (2021 IUP) (\$616,000 Contingent Commitment - Applicant)
- 2021 Cape Cod and Islands Water Protection Fund: Chatham Stormwater Improvement Projects (2021 IUP) (\$1,540,250 Contingent Commitment - Applicant)

SYMBOL LEGEND

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

OTHER LEGEND

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Town of Dennis

208 COMPLIANCE REPORT | 2021

CUMULATIVE TOWN SNAPSHOT SINCE 208 PLAN APPROVAL

\$2.44M	\$368K	1	-	-
TOWN 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:

- 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.

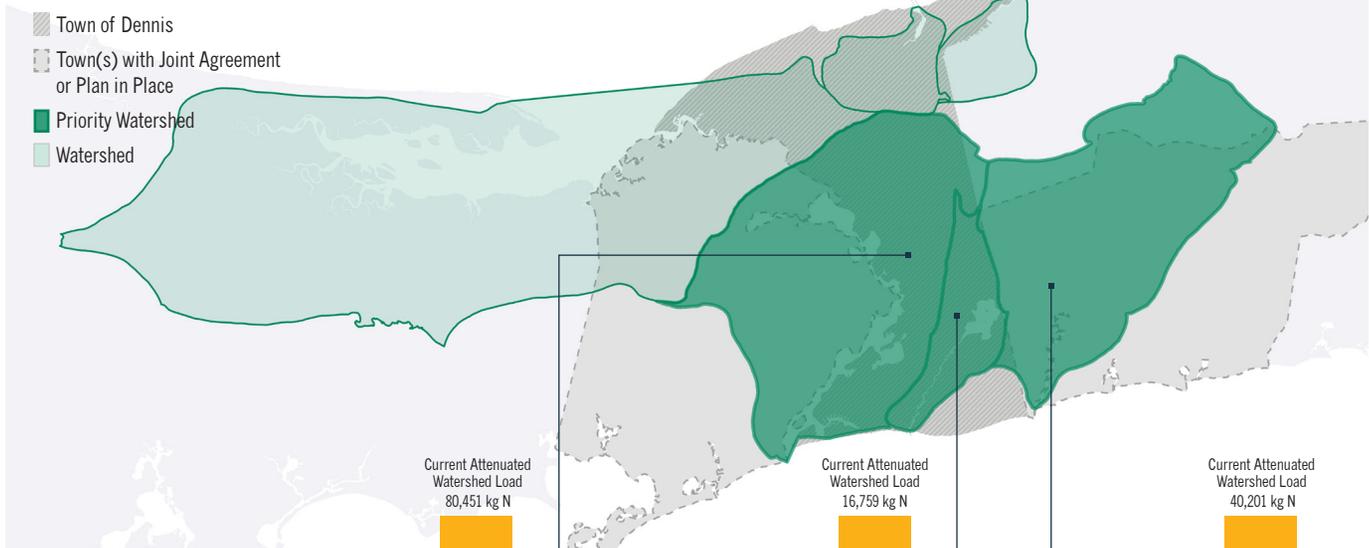
☑ Subject to MS4 Permit

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.



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
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OTHER LEGEND

📅 Progress shown is for the period from November 2020 through November 2021	📊 The Cumulative Town Snapshot section summarizes the funding snapshot categories since 2015
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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

Aquaculture Pilot Project in Swan Pond P

IMPLEMENTATION

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

✓ 2021 NPDES Small MS4 General Permit (\$50,000 Approved)

✓ 2021 Wastewater Implementation Plan (\$100,000 Approved)

✓ 2021 Wastewater Stabilization Allocation (\$300,000 Approved)

✗ 2021 Fund the survey and preliminary design for the Phase 1 Wastewater Program for the Town of Dennis only (\$600,000 Defeated)

Grant Funding

✓ 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

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Town of Eastham

208 COMPLIANCE REPORT | 2021

CUMULATIVE TOWN SNAPSHOT SINCE 208 PLAN APPROVAL

\$89.9M	\$221K	5	-	-
TOWN 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
- 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

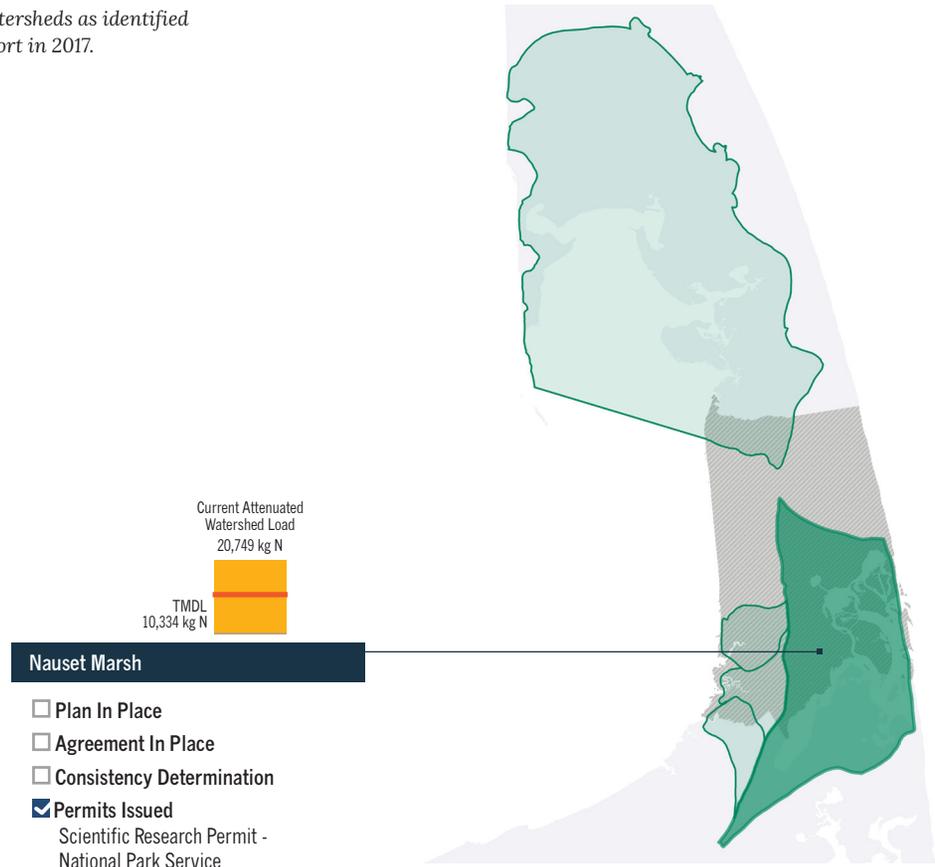
No additional nitrogen related requirements

In 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

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OTHER LEGEND

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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	IMPLEMENTATION
Nauset Harbor Estuary I/A System Layer Cake Pilot P	IMPLEMENTATION
Upgrade of Cape Cod National Seashore Visitor Center Treatment System	COMPLETE
Salt Pond Permeable Reactive Barrier P	COMPLETE
Salt Pond Drainage Improvements	IMPLEMENTATION
Schoolhouse Minister's Pond Remediation and Restoration	IMPLEMENTATION
Salt Pond Shellfish Pilot Plan P	FEASIBILITY

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

- 2021 Wastewater Planning (\$100,000 Approved)

Grant Funding

- None in reporting period

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

SYMBOL LEGEND

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OTHER LEGEND

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Town of Falmouth

208 COMPLIANCE REPORT | 2021

CUMULATIVE TOWN SNAPSHOT SINCE 208 PLAN APPROVAL

\$490K

TOWN
APPROVED
FUNDING

\$6.47M

GRANT
FUNDING
RECEIVED

4

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

Collaborations:

- Buzzards Bay Coalition
- Town of Bourne
- Town of Mashpee
- WHOI
- Joint Base Cape Cod
- Woodwell Climate Research Center
- Barnstable Clean Water Coalition
- USGS
- MBL
- East Falmouth Village Association
- WBNERR

MS4 COMPLIANCE

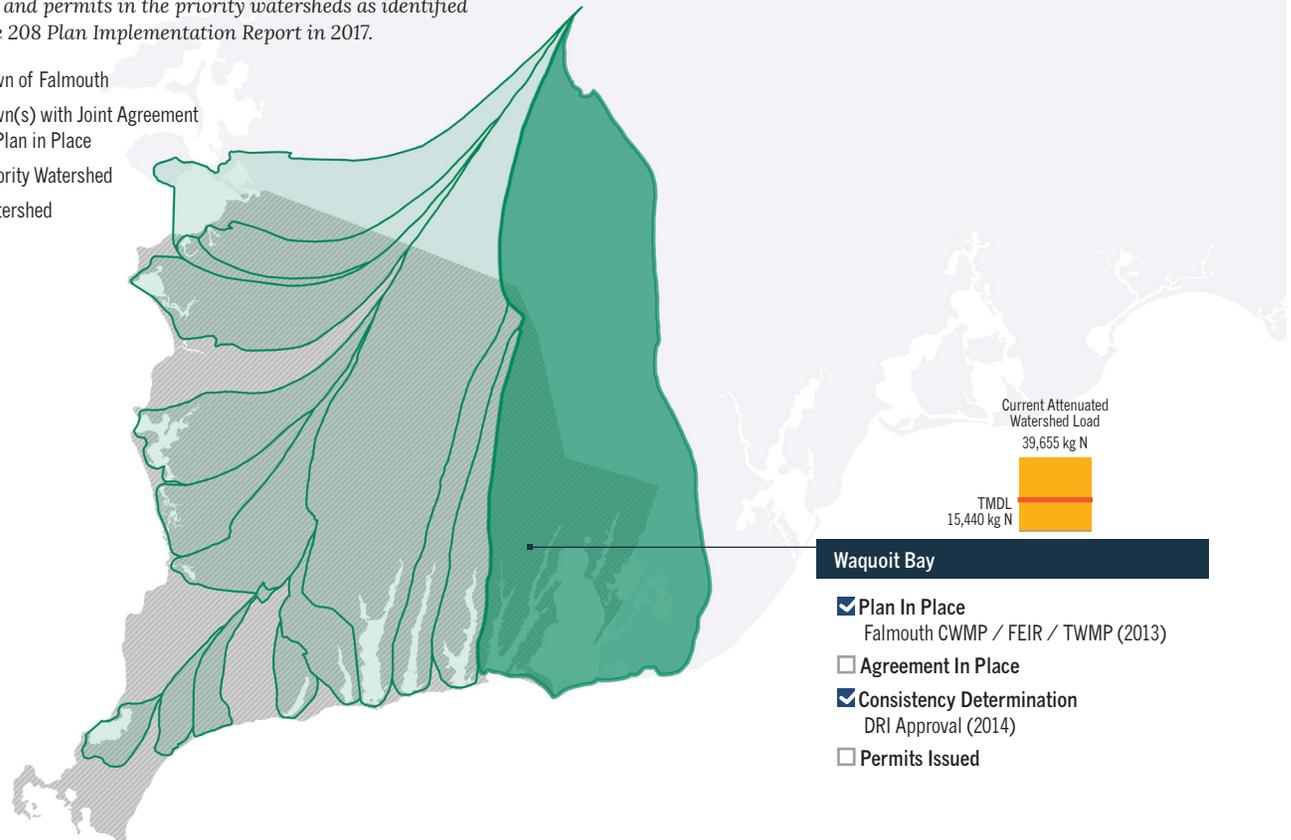
12 Cape Cod towns are required to address stormwater discharge under the MS4 Permit. Towns with nitrogen impaired waters must meet additional permit requirements.

- 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
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- Not Available

OTHER LEGEND

Progress shown is for the period from November 2020 through November 2021

The Cumulative Town Snapshot section summarizes the funding snapshot categories since 2015

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

Teaticket / Acapesket Sewer	FEASIBILITY
Shorewood Drive Permeable Reactive Barrier 	IMPLEMENTATION
Bourne's Pond Inlet Widening	IMPLEMENTATION
Eel River Shellfish Demonstration Project 	IMPLEMENTATION
Mill Pond Restoration	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

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

- 2021 Articles 10-13: Eminent Domain Acapesket Sewer Service Area (Indefinitely Postponed)
- 2021 AFCEE Mitigation Fund allocation by Select Board for Little Pond baseline data collection and analysis (\$19,500 Approved)
- 2021 AFCEE Mitigation Fund allocation by Select Board to conduct MEP-like study on Herring Brook (\$109,000 Approved)
- 2020 – 2021 AFCEE Mitigation Fund allocation by Select Board for Mill Pond restoration initiatives – macrophyte harvesting, aeration, detention pond construction (\$79,445 Approved)

Grant Funding

- 2021 Cape Cod and Islands Water Protection Fund: Falmouth Wastewater Treatment Facility - Teaticket Acapesket Service Area Improvements (2021 IUP) (\$4,750,000 Contingent Commitment - Applicant)

SYMBOL LEGEND

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

OTHER LEGEND



Progress shown is for the period from November 2020 through November 2021



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

Town of Harwich

208 COMPLIANCE REPORT | 2021

CUMULATIVE TOWN SNAPSHOT SINCE 208 PLAN APPROVAL

\$26.1M	\$6.13M	1	-	-
TOWN 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:

- Interim Town Administrator
- Town Engineer
- Water and Wastewater Superintendent
- Natural Resources Director
- GHD
- 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

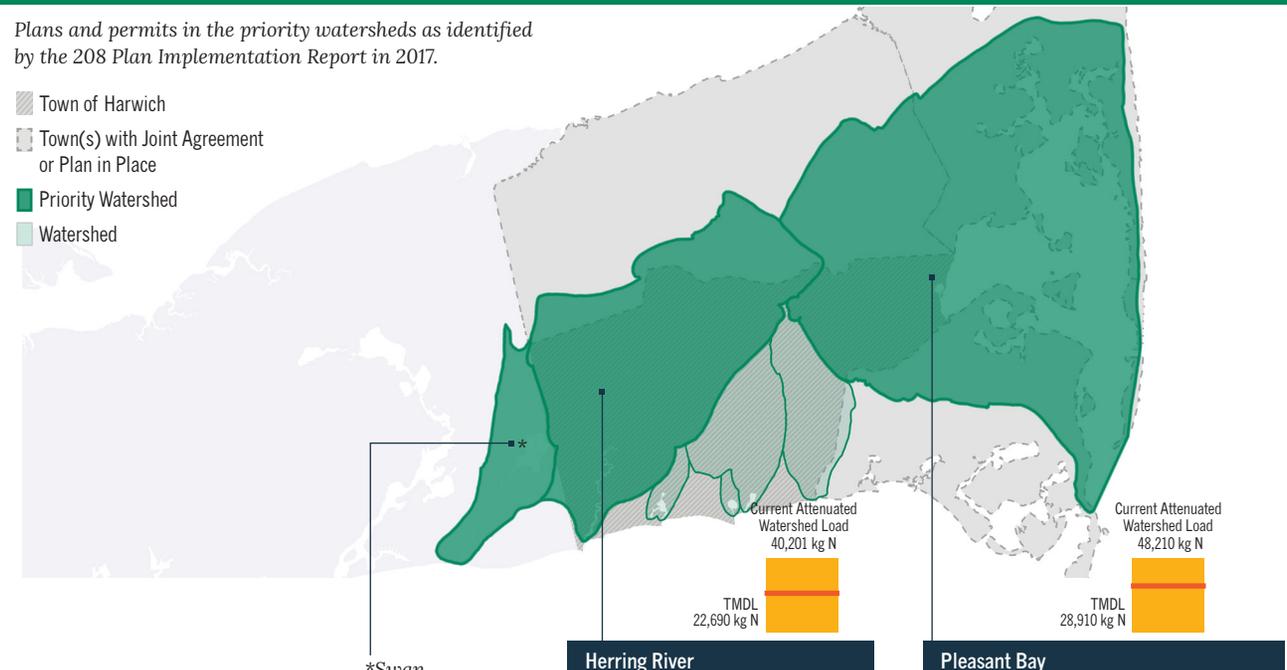
12 Cape Cod towns are required to address stormwater discharge under the MS4 Permit. Towns with nitrogen impaired waters must meet additional permit requirements.

- Subject to MS4 Permit
- Additional nitrogen related requirements
- In 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 Harwich
- Town(s) with Joint Agreement or Plan in Place
- Priority Watershed
- Watershed



*Swan Pond River watershed, <1% nitrogen allocation for Harwich

Herring River

- Plan In Place**
Harwich CWMP (2016)
DHY Community Partnership Plan (2018)
- Agreement In Place**
- Consistency Determination**
DRI Approval (2016)
- Permits Issued**

Pleasant Bay

- Plan In Place**
Harwich CWMP (2016)
Pleasant Bay Watershed Plan (2018)
DHY Community Partnership Plan (2018)
- Agreement In Place**
Pleasant Bay IMA
- Consistency Determination**
DRI Approval (2016)
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 November 2020 through November 2021
- The Cumulative Town Snapshot section summarizes the funding snapshot categories since 2015

Town of Harwich

208 COMPLIANCE REPORT | 2021

TOWN REGIONAL DATA SHARING STATUS

<input checked="" type="checkbox"/> 2012	<input checked="" type="checkbox"/> 2021	<input checked="" type="checkbox"/> 2016	<input checked="" type="checkbox"/> 2019
PARCEL DATA	ASSESSOR DATA	WATER USE	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
Cold Brook Bog Restoration	DESIGN

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

- 2021 Funds for the MS4 Mandated Stormwater Permitting and Management (\$200,000 Approved)
- 2021 Land acquisitions for the protection of well head and water supply (\$175,000 Approved)
- 2021 New source exploration for town water supply (\$250,000 Approved)
- 2021 Article 33. Hinckleys Pond Watershed Preservation Project (\$360,000 Indefinitely Postponed)
- 2021 STM Article 2: Engineering services for additional wastewater collection system in the East Harwich area (\$2,100,000 Approved)

Grant Funding

- 2021 Cape Cod and Islands Water Protection Fund: Harwich Sewer Collection System - Phase 2 (2018 IUP) (\$5,553,617 Awarded - Applicant)

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.

- 2021 Create a Wastewater Special Purpose Stabilization Fund (Approved)

SYMBOL LEGEND

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

OTHER LEGEND



Progress shown is for the period from November 2020 through November 2021



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

Town of Mashpee

208 COMPLIANCE REPORT | 2021

CUMULATIVE TOWN SNAPSHOT SINCE 208 PLAN APPROVAL



TEAM

Team members engaged in water quality planning efforts.

Town Team:

- Sewer Commissioners
- Natural Resources Director
- Town Planner
- GHD

Collaborations:

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

MS4 COMPLIANCE

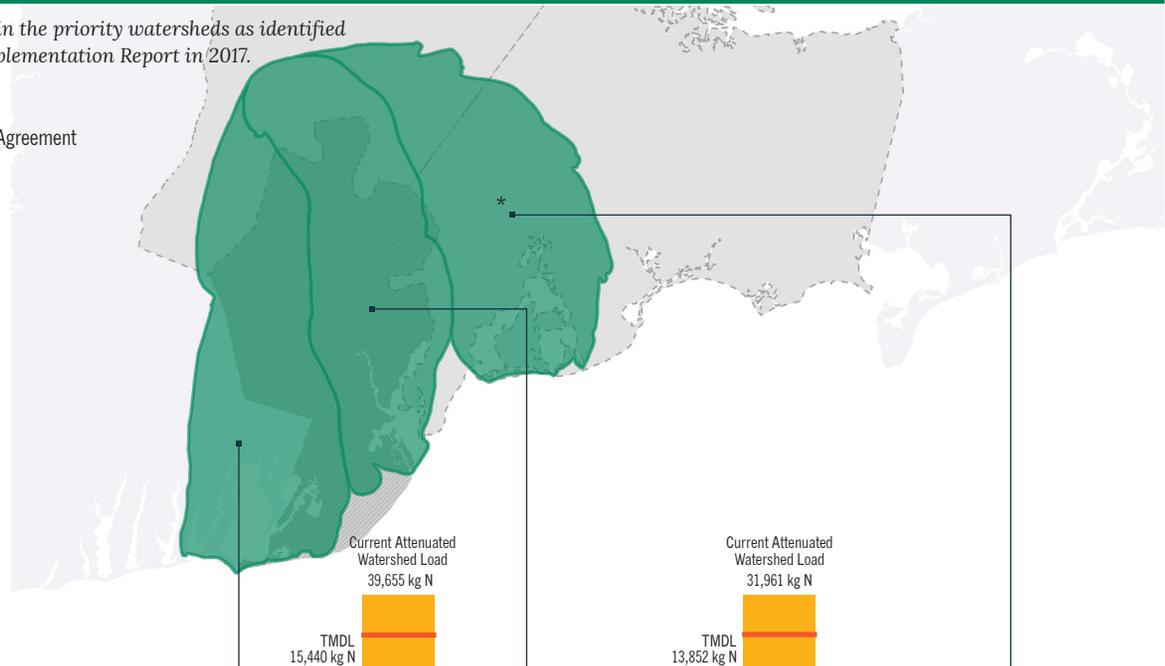
12 Cape Cod towns are required to address stormwater discharge under the MS4 Permit. Towns with nitrogen impaired waters must meet additional permit requirements.

- 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



Waquoit Bay

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

Popponneset Bay

- Plan In Place
Mashpee CWMP (2014)
- Agreement In Place
Popponneset 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 November 2020 through November 2021 | The Cumulative Town Snapshot section summarizes the funding snapshot categories since 2015 | *Flow collected from Mashpee Commons

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

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.

- ✓ 2021 Transfer town conservation land for construction of sewer substation, subject to state approval. (Approved)
- ✓ 2021 Establishment of Flow Neutral Regulation for existing and future wastewater treatment systems. (Approved)
- ✓ 2021 Continued participation in the Community Septic Management Program (Approved)
- ✓ 2021 Reorganization of town government; Department of Wastewater Management (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

- ✓ 2021 Phase 1 Mashpee comprehensive nitrogen and wastewater management, treatment and disposal improvement plans (\$54,000,000 Approved, ratified by voters May 8, 2021)
- ✓ 2021 Aerial photography of the entire town for future sewer surveys (\$9,625 Approved)

Grant Funding

- ✓ 2021 Cape Cod and Islands Water Protection Fund: Mashpee Water Resource Recovery Facility (2021 IUP) (\$12,800,000 Contingent Commitment - Applicant)

SYMBOL LEGEND

Complete or Approved
 Partial
 Not Shared or Not Approved
 Not Available

OTHER LEGEND

 Progress shown is for the period from November 2020 through November 2021

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

Town of Orleans

208 COMPLIANCE REPORT | 2021

CUMULATIVE TOWN SNAPSHOT SINCE 208 PLAN APPROVAL

\$79.3M	\$15.3M	2	-	-
TOWN 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:

- 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

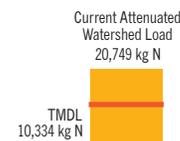
12 Cape Cod towns are required to address stormwater discharge under the MS4 Permit. Towns with nitrogen impaired waters must meet additional permit requirements.

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

PRIORITY WATERSHED PROGRESS

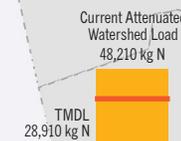
Plans and permits in the priority watersheds as identified by the 208 Plan Implementation Report in 2017.

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



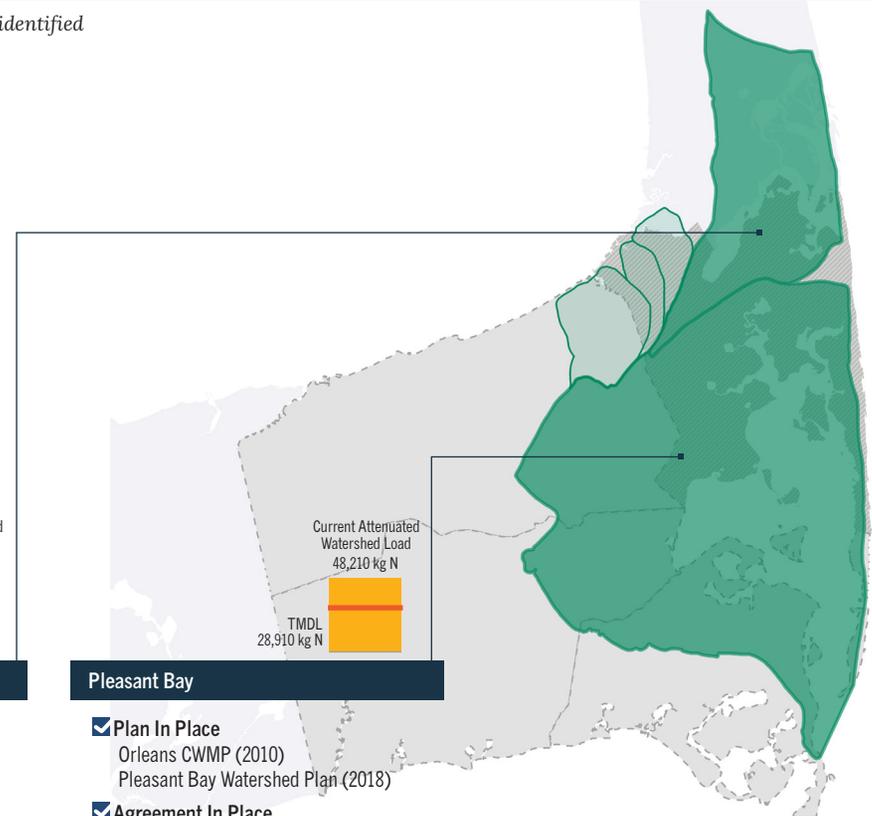
Nauset Marsh

- 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 November 2020 through November 2021 | The Cumulative Town Snapshot section summarizes the funding snapshot categories since 2015

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

Downtown Sewer	IMPLEMENTATION
Meetinghouse Pond Sewer	DESIGN
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

✓ 2021 Adopt Sewer Assessment General Bylaw (Pending approval by the Massachusetts Attorney General's Office)

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 Orleans QUESTIONS 4 & 5. Fund feasibility of dredging a navigational channel from Mill Pond to Nauset Estuary (\$910,000 Approved)
- ✓ 2021 Continued funding for Fresh & Saltwater Ponds Adaptive Management Plans (\$156,400 Approved)
- ✓ 2021 Fund Final Design of the Meetinghouse Pond Area Collection System and Pumping Station Project (\$658,300 Approved, ratified by voters May 25, 2021)
- ✓ 2021 Fund Water Quality Drainage Improvements (\$191,996 Approved)
- ✓ 2021 Creation of new position of Sewer Coordinator and the Sewer Operations Contractor (\$200,000 Approved)
- ✓ 2021 Fund Wastewater Master Plan for Freshwater Ponds and Tonset Road and Rock Harbor Watershed Areas (\$250,000 Approved)

Grant Funding

- ✓ 2021 District Local Technical Assistance : Pond and Lake Atlas Update (\$40,000 Awarded - Applicant)
- ✓ 2021 Cape Cod and Islands Water Protection Fund: Downtown Area Collection System and WWTF (2019 IUP) (\$14,852,300 Awarded - Applicant)

SYMBOL LEGEND

Complete or Approved
 Partial
 Not Shared or Not Approved
 Not Available

OTHER LEGEND

 Progress shown is for the period from November 2020 through November 2021

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

Town of Provincetown

208 COMPLIANCE REPORT | 2021

CUMULATIVE TOWN SNAPSHOT SINCE 208 PLAN APPROVAL

\$11.1M	\$5.01M	-	235K _{gpd}	1,001
TOWN 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:

- 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 November 2020 through November 2021
- 📅 The Cumulative Town Snapshot section summarizes the funding snapshot categories since 2015

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

- 2021 Capital Improvements Program - Coastal Resiliency Planning (\$30,000 Approved)
- 2021 Capital Improvements Program - Stormwater Improvements (\$410,000 Approved, Ratified by voters May 11, 2021)
- 2021 Capital Improvements Program - Court Street Drainage Repair (\$3,500,000 Approved, Ratified by voters May 11, 2022)
- 2021 Capital Improvements Program - Ryder Street Outfall Project (\$625,000 Approved, Ratified by voters May 11, 2023)

Grant Funding

- 2021 Cape Cod and Islands Water Protection Fund: Pre-existing Wastewater-related Debt not associated with Clean Water State Revolving Fund (\$4,799,613 Awarded - Applicant)

SYMBOL LEGEND

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

OTHER LEGEND



Progress shown is for the period from November 2020 through November 2021



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

Town of Sandwich

208 COMPLIANCE REPORT | 2021

CUMULATIVE TOWN SNAPSHOT SINCE 208 PLAN APPROVAL

\$77.1M*	\$522K	1	-	-
TOWN 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:

- Water Quality Advisory Committee
- Health Agent
- Wright-Pierce

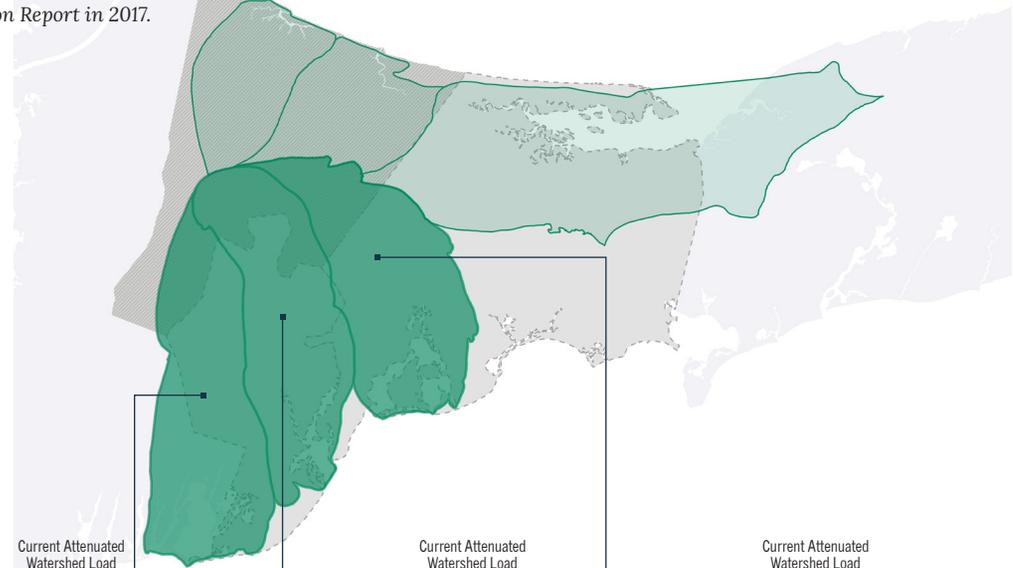
Collaborations:

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

PRIORITY WATERSHED PROGRESS

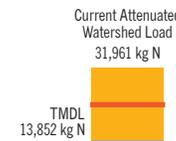
Plans and permits in the priority watersheds as identified by the 208 Plan Implementation Report in 2017.

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



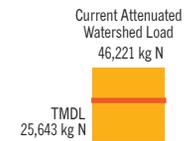
Waquoit Bay

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



Popponesset Bay

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



Three Bays

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

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 November 2020 through November 2021

The Cumulative Town Snapshot section summarizes the funding snapshot categories since 2015

Town of Sandwich

208 COMPLIANCE REPORT | 2021

TOWN REGIONAL DATA SHARING STATUS

<input checked="" type="checkbox"/> 2020	<input checked="" type="checkbox"/> 2020	<input checked="" type="checkbox"/> 2019	<input checked="" type="checkbox"/> 2017
PARCEL DATA	ASSESSOR DATA	WATER USE	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

Phase 1 Sewer Plan	DESIGN
Cape Cod Canal Wastewater Disposal Evaluation	FEASIBILITY
Sandwich Hollows Golf Course Wastewater Disposal Evaluation	FEASIBILITY
Upper and Lower Shawme Pond Drainage Remediation	DESIGN

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

- 2021 Further implementation of the Town's Comprehensive Water Resources Management Plan as it relates to wastewater infrastructure and drainage improvements improvement plans (\$100,000 Approved)

Grant Funding

- None in reporting period

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.

- 2021 Zoning amendment for compliance with General Permit for Stormwater Discharges from Small Municipal Storm Sewer Systems (Approved)

* From Town Snapshot: includes 2% annual property tax surcharge approved in 2019 that 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 November 2020 through November 2021
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Town of Truro

208 COMPLIANCE REPORT | 2021

CUMULATIVE TOWN SNAPSHOT SINCE 208 PLAN APPROVAL

\$4.7M	\$172K	-	-	-
TOWN 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:

- 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



The Town of Truro 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 November 2020 through November 2021
- The Cumulative Town Snapshot section summarizes the funding snapshot categories since 2015

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.

- ✓ 2021 Board of Health updated regulations deeming all cesspools failed systems, requiring upgrade by 2023 (Approved)
- ✓ 2021 Extend Growth Management Bylaw through 2024 to allow for implementation (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

- ✓ 2021 Rural and Smalltown Development Grant for Cloverleaf Housing Project Innovative/Alternative wastewater treatment system. (\$305,000 Received)

SYMBOL LEGEND

- ✓ Complete or Approved
- ◻ Partial
- ✗ Not Shared or Not Approved
- ▨ Not Available

OTHER LEGEND



Progress shown is for the period from November 2020 through November 2021



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

Town of Wellfleet

208 COMPLIANCE REPORT | 2021

CUMULATIVE TOWN SNAPSHOT SINCE 208 PLAN APPROVAL

\$2.35M	\$322K	1	-	-
TOWN 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:

- Comprehensive Wastewater Management Planning Committee
- Health and Conservation Agent
- Scott Horsley
- GHD
- 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 November 2020 through November 2021
- 📅 The Cumulative Town Snapshot section summarizes the funding snapshot categories since 2015

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

Transfer Station Wastewater Disposal	FEASIBILITY
Lawrence Road Affordable Housing / Neighborhood Wastewater	FEASIBILITY
Commercial Street Permeable Reactive Barrier P	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

- ✓ 2021 Enhanced Septic System Upgrade Program to assist with installation of high performance Innovative & Alternative Septic Systems within the Wellfleet Harbor Watershed (\$250,000 Approved)
- ✓ 2021 Wastewater Commercial Street PRB Hydrogeological Assessment and Engineering (\$50,000 Approved)
- ✓ 2021 Wastewater Mitigation/95 Lawrence Road Cluster Wastewater Treatment Facility (\$1,931,886 Approved)

Grant Funding

- ✓ 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 November 2020 through November 2021

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

Town of Yarmouth

208 COMPLIANCE REPORT | 2021

CUMULATIVE TOWN SNAPSHOT SINCE 208 PLAN APPROVAL

\$34.2M*

TOWN
APPROVED
FUNDING

\$332K

GRANT
FUNDING
RECEIVED

1

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

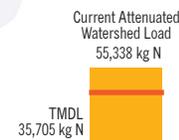
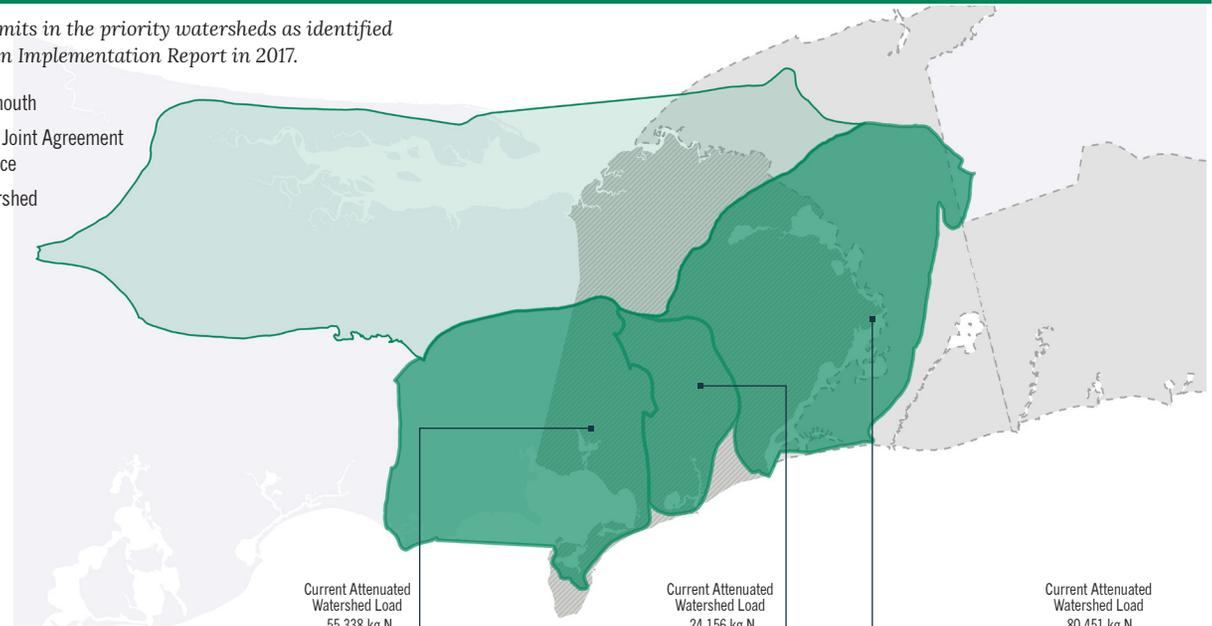
Collaborations:

- DHY Community Partnership Subcommittee
- Barnstable

PRIORITY WATERSHED PROGRESS

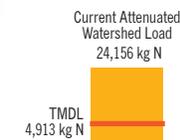
Plans and permits in the priority watersheds as identified by the 208 Plan Implementation Report in 2017.

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



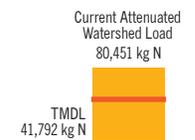
Lewis Bay

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



Parkers River

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



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 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 November 2020 through November 2021

The Cumulative Town Snapshot section summarizes the funding snapshot categories since 2015

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

Phase I Collection System	DESIGN
Route 28 Bridge Culvert Opening/Tidal Exchange (Parkers River)	IMPLEMENTATION

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.

- 2021 DHY Clean Waters Community Partnership (Postponed)
- 2021 Creation of a Wastewater Enterprise Fund (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 Water Infrastructure Investment Fund authorization of annual 0.78% property tax surcharge (anticipated annual revenue of \$500,000 - Approved)*
- 2021 Capital Improvements Program - Route 28 Wastewater Project Short Term Debt (\$53,000 Approved)
- 2021 Capital Improvements Program - Wastewater Outreach and Design (\$200,000 Approved)
- 2021 Transfer and appropriate to Wastewater Enterprise Fund (\$1,655,068 Approved)
- 2021 Design and engineering of a Clean Water Reclamation Facility (\$4,500,000 Approved)

Grant Funding

- None in reporting period

* From Town Snapshot: includes 0.78% annual property tax surcharge approved in 2020 that projects \$20,000,000 over 40 years

SYMBOL LEGEND

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

OTHER LEGEND

- Progress shown is for the period from November 2020 through November 2021
- Text color indicates that data made available is 5 years or older