



Town of Bourne Comprehensive Wastewater Management Plan

South of Canal Workshop

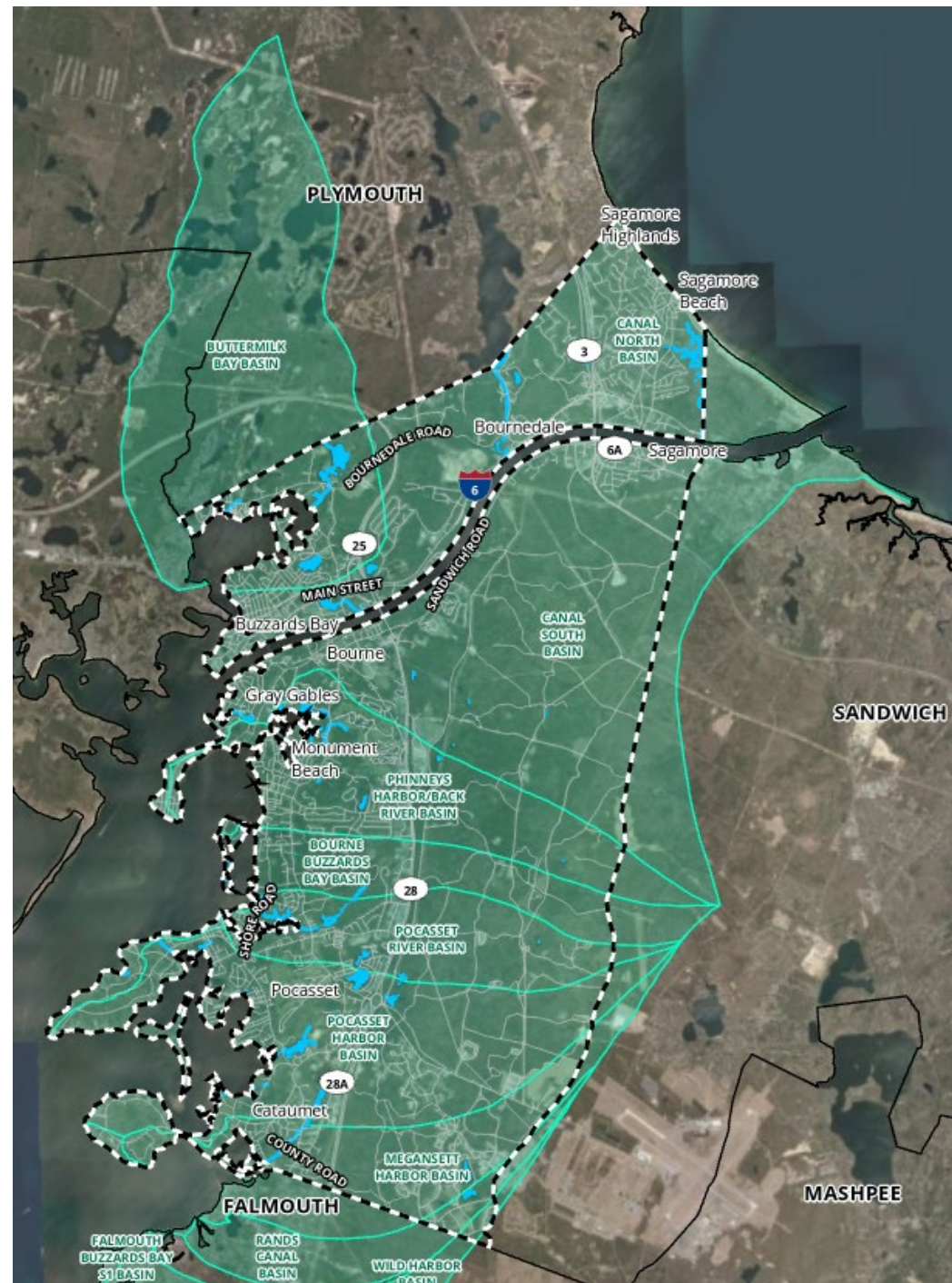
ENVIRONMENTAL
 PARTNERS

In the Zoom Chat:

Please type the Village where you live:

1. Bourne
2. Cataumet
3. Gray Gables
4. Monument Beach
5. Pocasset
6. Sagamore
7. Other

Bourne Watersheds



Agenda

- Review Workshop Goals
- Introduce Project Team and Invited Stakeholder Groups
- Introduce Comprehensive Wastewater Management Plan Process
- Breakout Groups
 - By village
- Breakout Group Report Out
- Next Steps & Closing



Workshop Goals

- Introduce residents to the Comprehensive Wastewater Management Planning process
- Gather existing community stories about watershed needs



Project Team

Core Working Group

- Town of Bourne
 - Sewer Commissioners
 - Office of Town Administrator
 - Departments:
 - Conservation
 - Natural Resources
 - Engineering
 - Planning
 - Public Works
- Environmental Partners, Consultant

Regulatory Agencies

- Cape Cod Commission
- Massachusetts Department of Environmental Protection (MassDEP)
- Massachusetts Environmental Policy Act (MEPA) Office
 - Executive Office of Energy and Environmental Affairs (EEA)



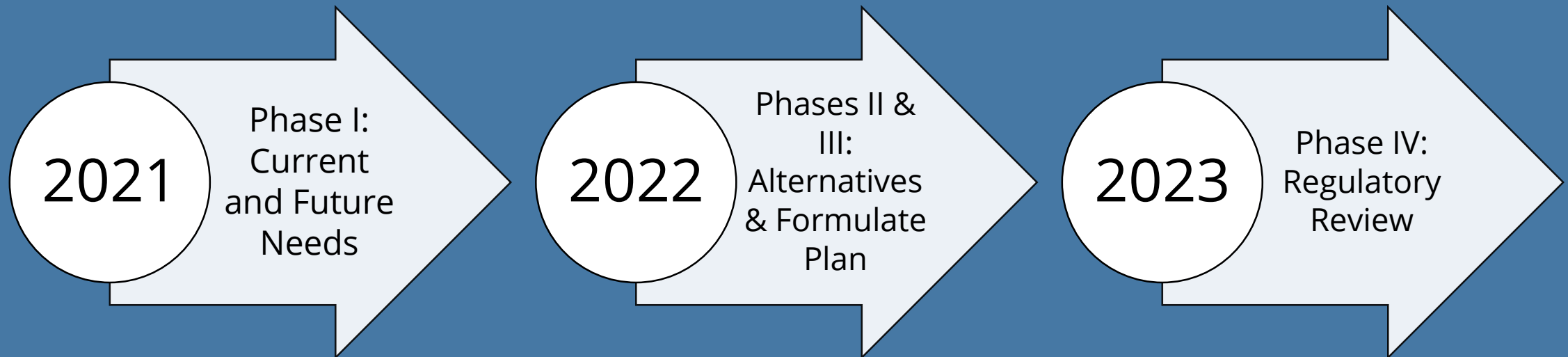
Invited Stakeholder Groups

- Association to Preserve Cape Cod
- Barnstable Clean Water Coalition
- Bourne Conservation Trust
- Bourne Public Library
- Buzzards Bay Action Committee
- Buzzards Bay Coalition
- Buzzards Bay National Estuary Program
- Cape Cod Canal Region Chamber of Commerce
- Cape Cod Chamber of Commerce
- Cape Cod Conservation District
- Cataumet Village Association
- Community Land and Water Coalition
- Gray Gables Neighborhood Association
- Herring Pond Wampanoag Tribe
- Native Land Conservancy
- Pocasset Water Quality Coalition
- Pocasset Village Foundation
- Sagamore Highland Association
- Scraggy Neck Recreation Association
- Wildlands Trust
- Wing's Neck Trust Association



What is a Comprehensive Wastewater Management Plan?

- Town-wide water quality assessment and solutions
- Aligns with 2019 Local Comprehensive Plan Goals for growth and development
- 20-year planning to meet water quality goals



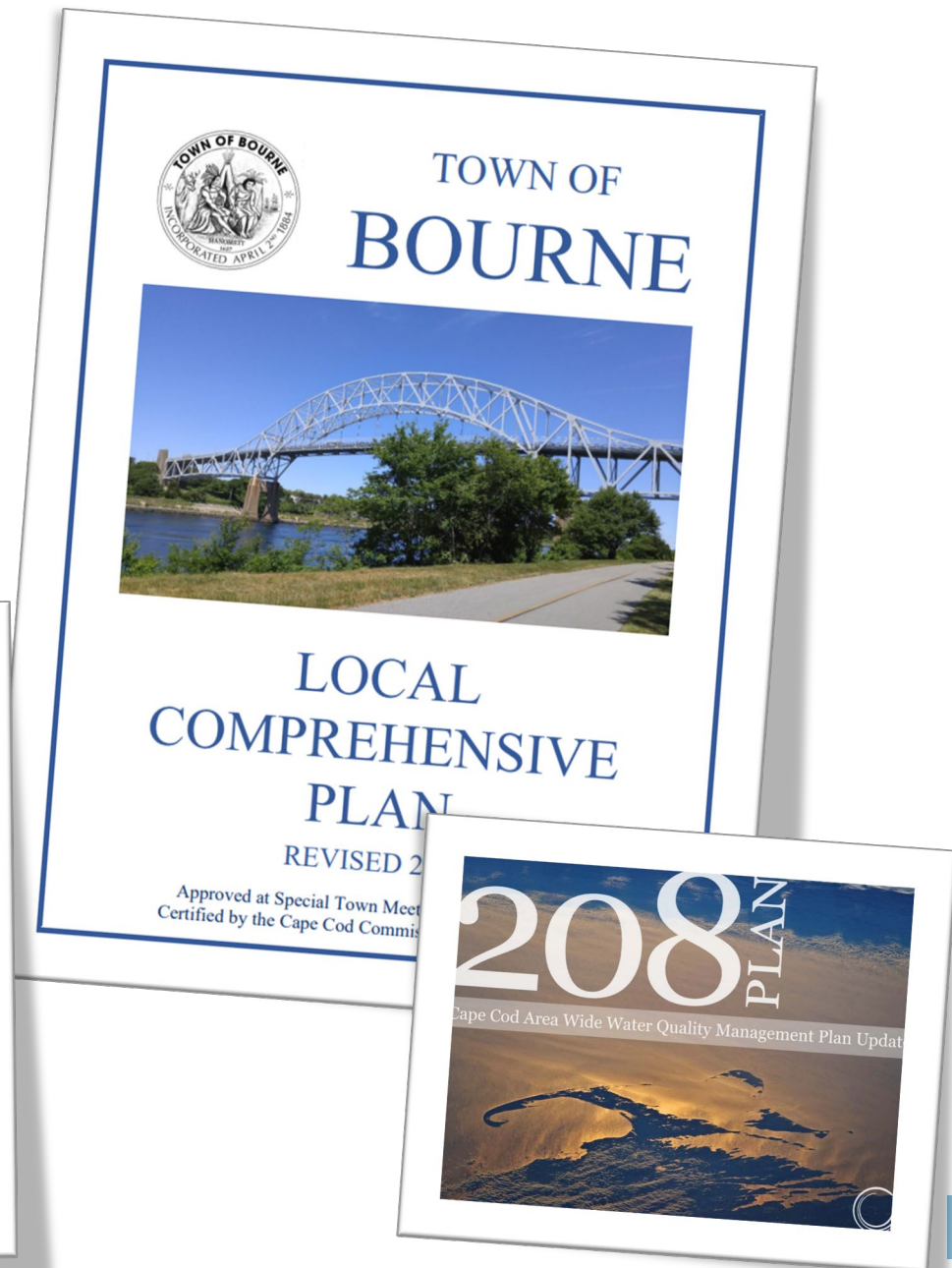
Why does Bourne need a CWMP?

- Water Quality is the number 1 priority of the Bourne Local Comprehensive Plan
- We need to remove nitrogen to meet regulatory thresholds and improve water quality

Highest Priority Issues

Water Quality is the highest priority issue facing the Town of Bourne in the opinion of Town residents, as reflected in both the planning workshop and the community survey conducted in preparation of this Local Comprehensive Plan. The key element of water quality protection is reduction of total nitrogen flowing into salt water wetlands, estuaries, and embayments; and phosphorus entering fresh water ponds, streams, and aquifers.

The primary source of nitrogen and phosphorus in waterways comes from cesspools and septic systems. It is essential, therefore, that Bourne continue to actively expand wastewater collection and treatment systems and other options, especially in densely developed coastal areas. The Queen Sewell area of Buzzards Bay Village, Gray Gables, Tahanto, Barlows Landing, Pocasset Heights, Patuisset, Cedar Point, and Picture Lake are all areas of critical concern.



Why does Bourne need a CWMP? (continued)

- All of Bourne's watersheds can benefit from lower pollution

APCC: Conditions Worsen For Cape Cod's S Embayments, Freshwater Ponds

By RYAN SPENCER Oct 26, 2020 6
Home / Mashpee / Mashpee News



Mats of algae, a sign of nutrient pollution, cloaked the surface of the Mashpee River this past June.
RYAN SPENCER/ENTERPRISE



CAPE COD TIMES

Cyanobacteria warning issued for Bourne pond

By Beth Treffeisen

Posted Aug 15, 2019 at 8:11 PM

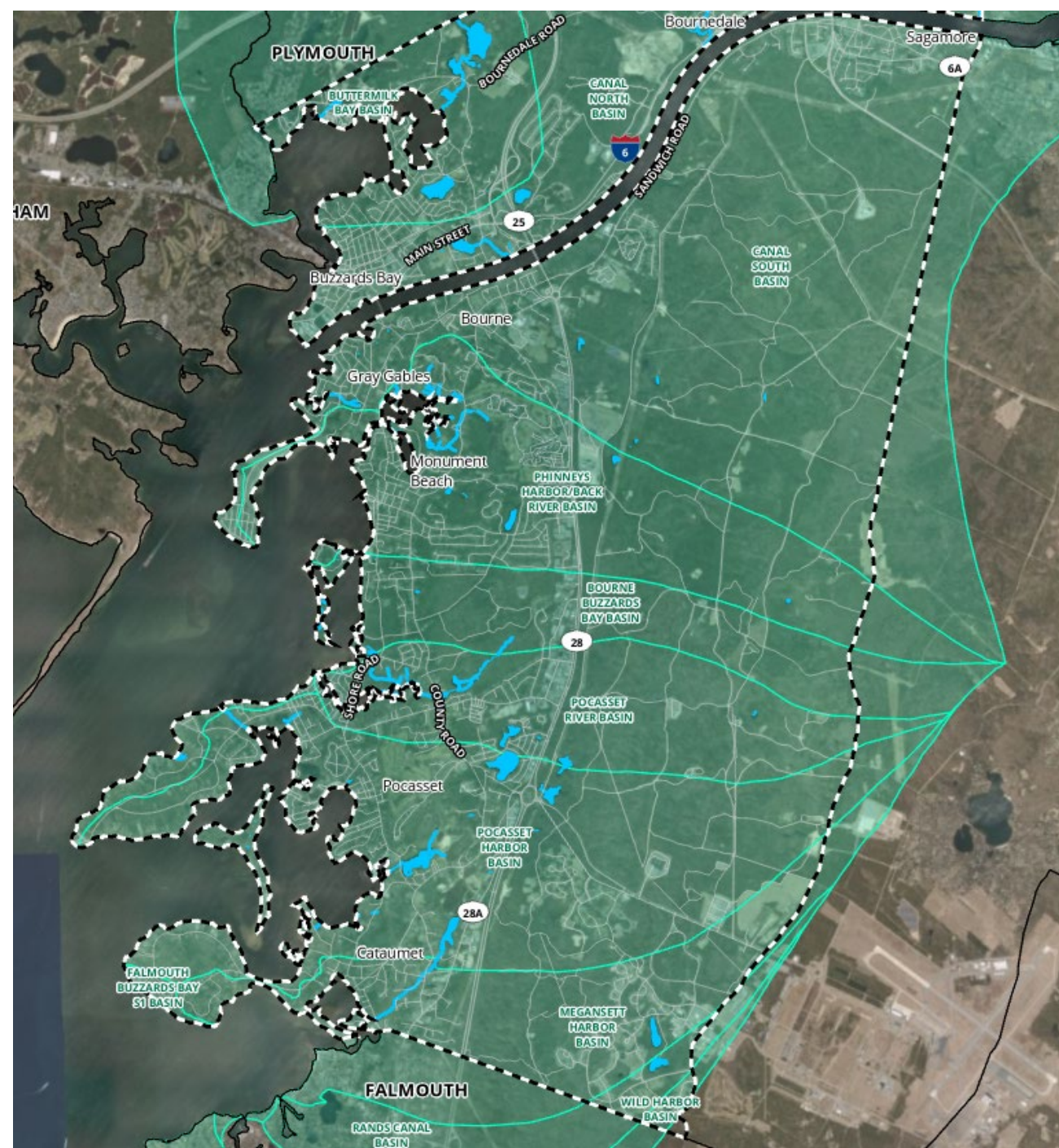
BUZZARDS BAY — Queen Sewell Pond, also known as Bumps Pond, was found to have cyanobacteria blooms Thursday.

The Bourne Health Department issued a warning at 3 p.m., saying the pond was unsafe for children and pets, town Health Agent Terri Guarino said.

A sign posted at the pond's public beach off Cherry Street advised that children avoid contact with the water, that pets be kept away and that pond water be kept out of the mouth.

On Wednesday, a representative from the Barnstable County Department of Health and Environment took a sample of the algae and had it analyzed, Guarino said. At this point it is just an advisory because the town does not have the complete results from the lab yet, she said.

"When in doubt, it's best to stay out!" Guarino said in a message.



Breakout Groups

- Goal: Gather existing community stories about watershed needs
- For example:
 - From LCP, “Large areas of the intertidal zone have been closed to shell fishing by state mandate because of pollution.”
 - From LCP, “Beaches have from time to time been closed to swimming [because of pollution].”
 - From MVP, “Many businesses and homes rely on septic systems, which are vulnerable to storm impacts and erosion.”



Breakout Groups

Report Out

1. Bourne – Tim Lydon
2. Cataumet – Sam Haines
3. Gray Gables – Chris Southwood
4. Monument Beach – Shawn Patterson
5. Pocasset – Glenn Cannon
6. Sagamore – Scott Turner

Next Steps: Residents & Stakeholders

- Add comments to Public Comment Map
 - <https://arcg.is/1Pz5mv>
- Email questions, concerns and feedback
 - Bourne.CWMP@envpartners.com
- Bookmark and visit Town CWMP Page
 - <https://www.townofbourne.com/comprehensive-wastewater-management-plan-cwmp>



Next Steps: Project Team

May 2021	{	<ul style="list-style-type: none">• North and South of Canal Workshops
June 2021	{	<ul style="list-style-type: none">• Public Comment Map Closes• Update to Sewer Commission
September 2021	{	<ul style="list-style-type: none">• Update to Sewer Commission
October 2021	{	<ul style="list-style-type: none">• Public Presentation of Existing and Future Needs Assessment

THANK YOU

Questions/comments?

Bourne.CWMP@envpartners.com

