



9th Annual Open House
Welcome and Thank You for Attending



Mike Egan
President

Board of Directors and Officers

- **John Kassakian - Vice President and Board Member**
- **Laureen Pfizenmaier - Treasurer and Board Member**
- **Mark Curley - Clerk and Board Member**
- **Jack Ahern - Board Member**
- **Edward “Ned” Crosby, Jr. - Board Member**
- **N. David Samra - Board Member**
- **Dan Schwinn - Board Member**
- ❖ **Michael Howard – Board Member**
- ❖ **Hazel Durand – Board Member**

Staff

- **Zee Crocker — Executive Director**
- **Heather Rockwell — Director of Operations**
- **Christy Laidlaw — Development Manager**
- **Luke Cadrin — Field Operations Manager**
- **Michelle Motley — Ecological Restoration Manager/Data Scientist**
- **Trish Forest — IT Manager**

Summer Interns

Owen Ball, Penny Clifford, Skylar Goldstein and Charlie Jenkins

And Our Wonderful Volunteers

Why Are We Doing This?

Estuaries are Nurseries of the Sea



Including Ours





Owen Ball



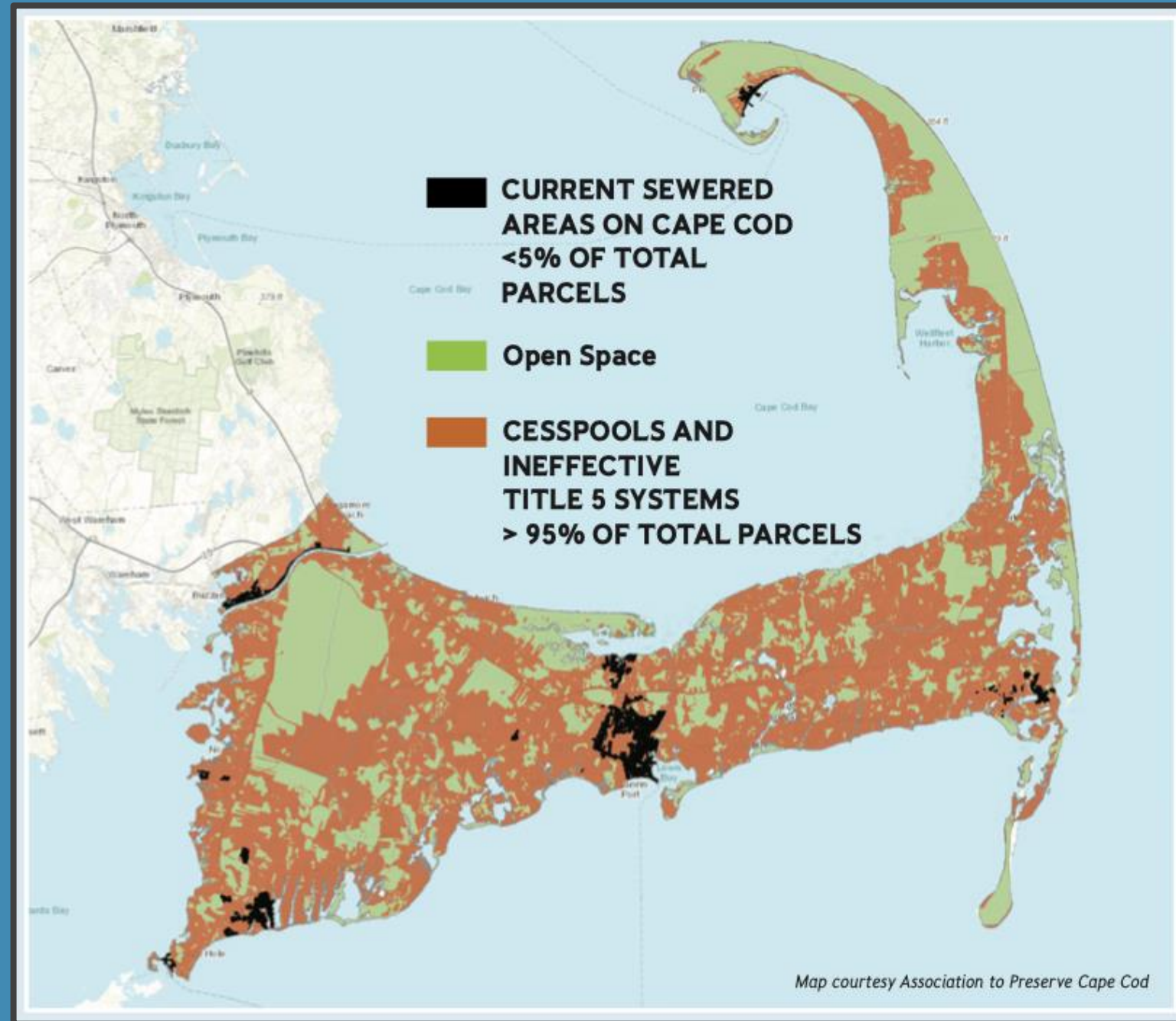
Penny Clifford





Zee Crocker

Executive Director

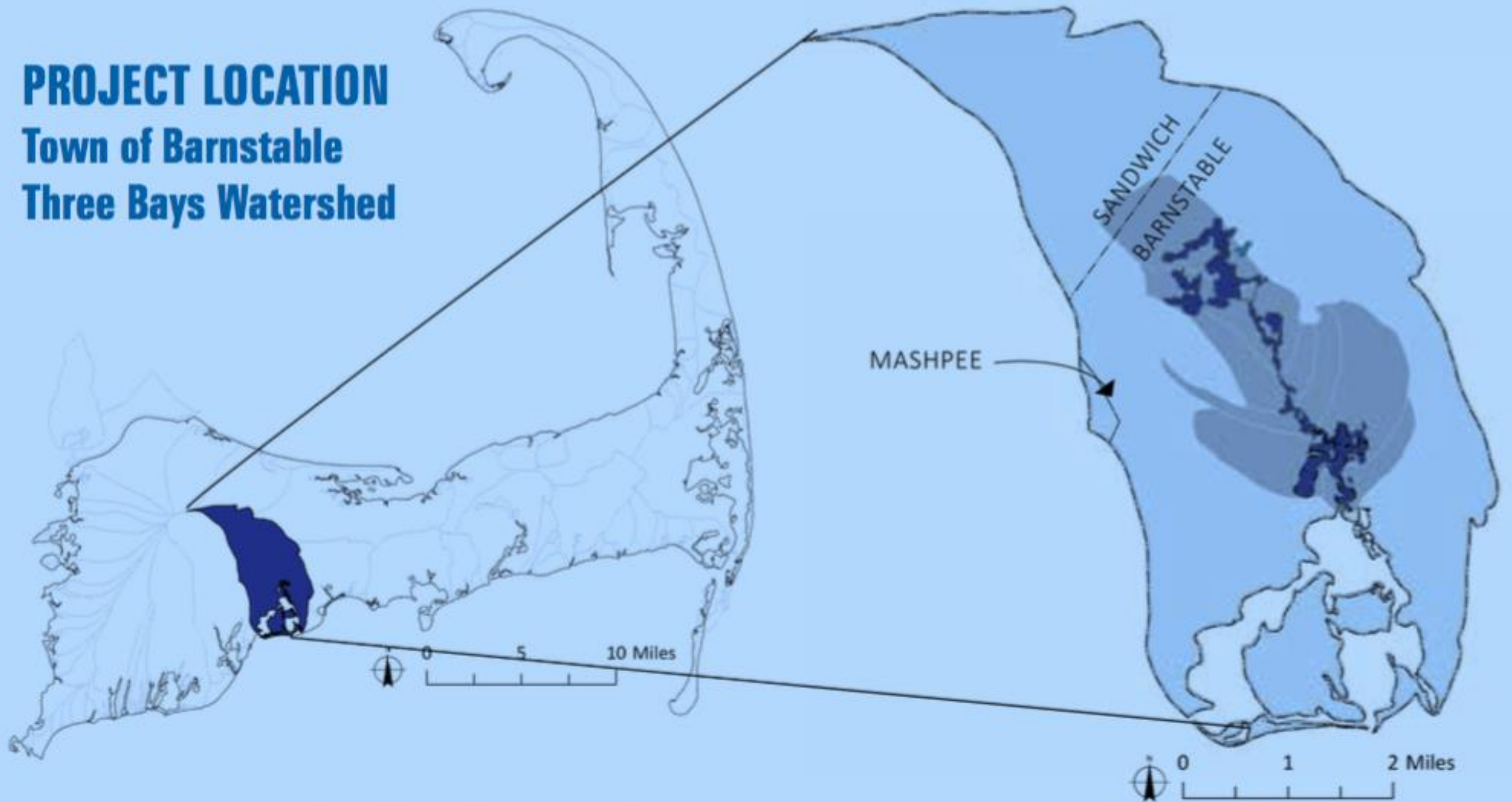


**Source
Reduction is
Key to Clean
Water on
Cape Cod**

PROJECT LOCATION

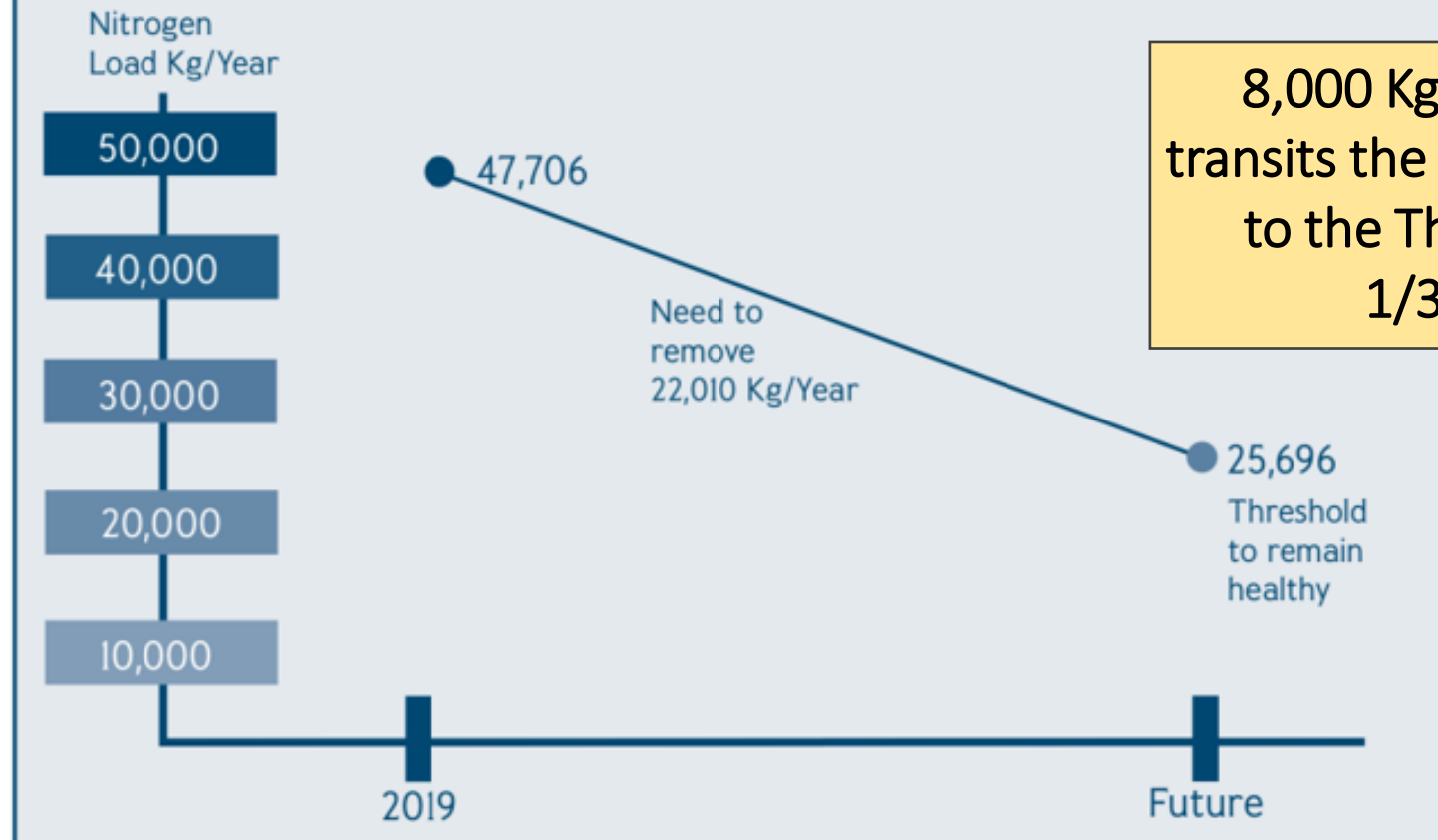
Town of Barnstable

Three Bays Watershed

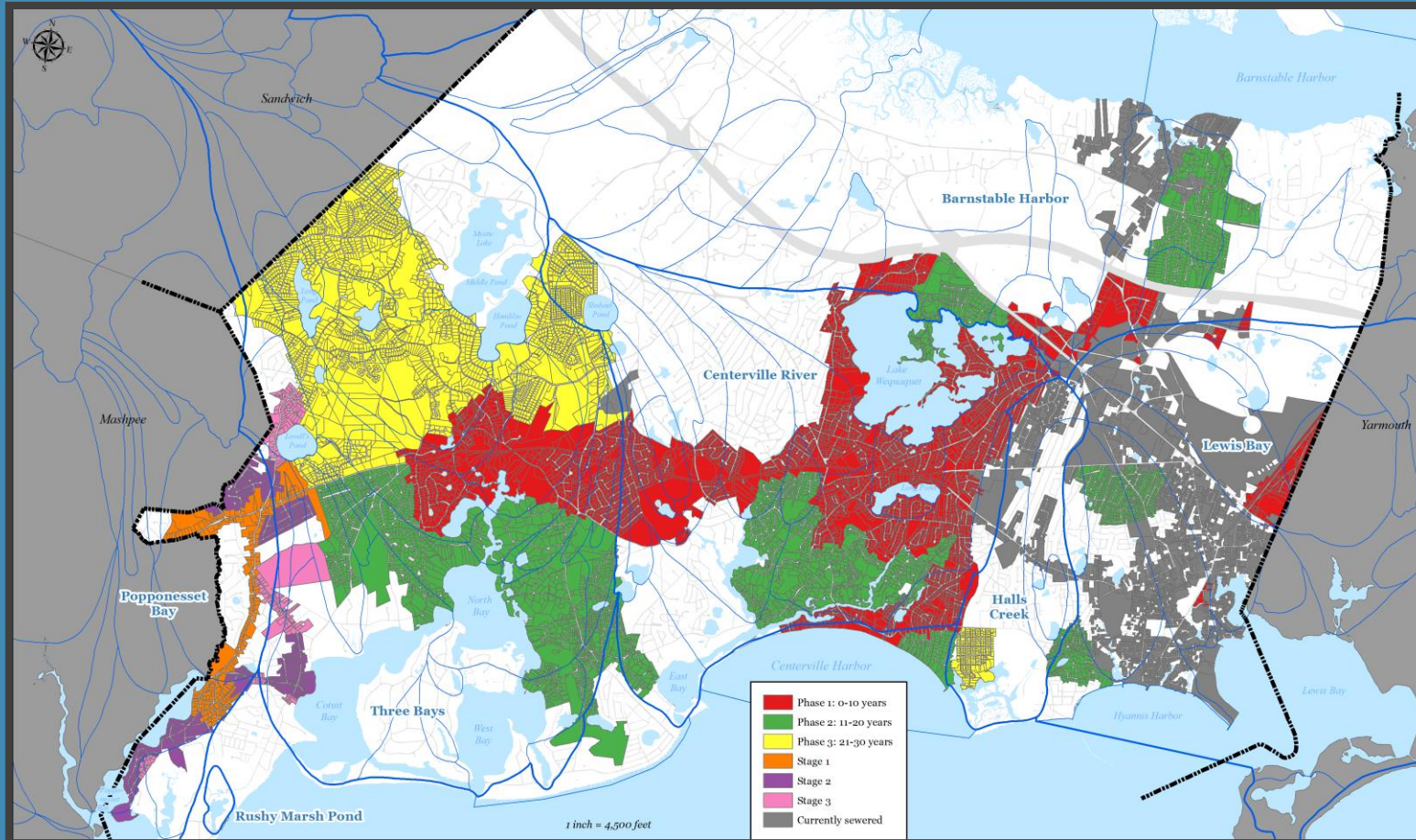


MASSACHUSETTS ESTUARY PROJECT (MEP) DATA/STATISTICS

THE CHALLENGE: Increasing the Health Status of the Three Bays Estuary



BARNSTABLE COMPREHENSIVE WASTEWATER MANAGEMENT PLAN (CWMP)



- \$1.46 Billion, 30 year plan
- 26,965 parcels in Barnstable
- 3,100 currently served by sewer; 100+ I/A septic systems with 85% reducing nitrogen
- 11,823 part of CWMP

**ONLY 55%
OF THE TOWN
WILL BE SERVED**

Faster, Better, Cheaper

**Restore and preserve clean water
throughout Barnstable**
Educate, Monitor, Mitigate and Advocate

I/A Septic System Project

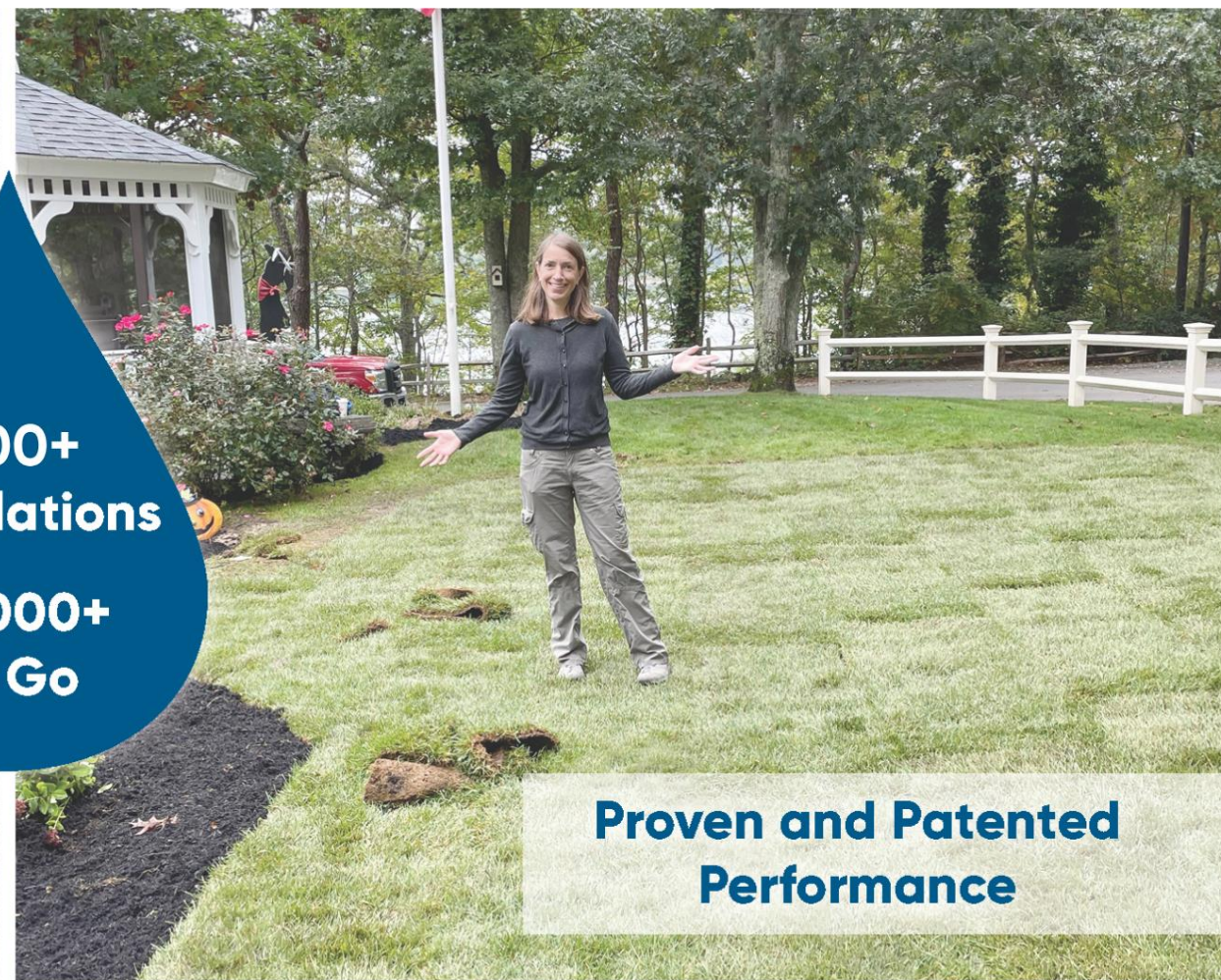


Cranberry Bog Restoration Project



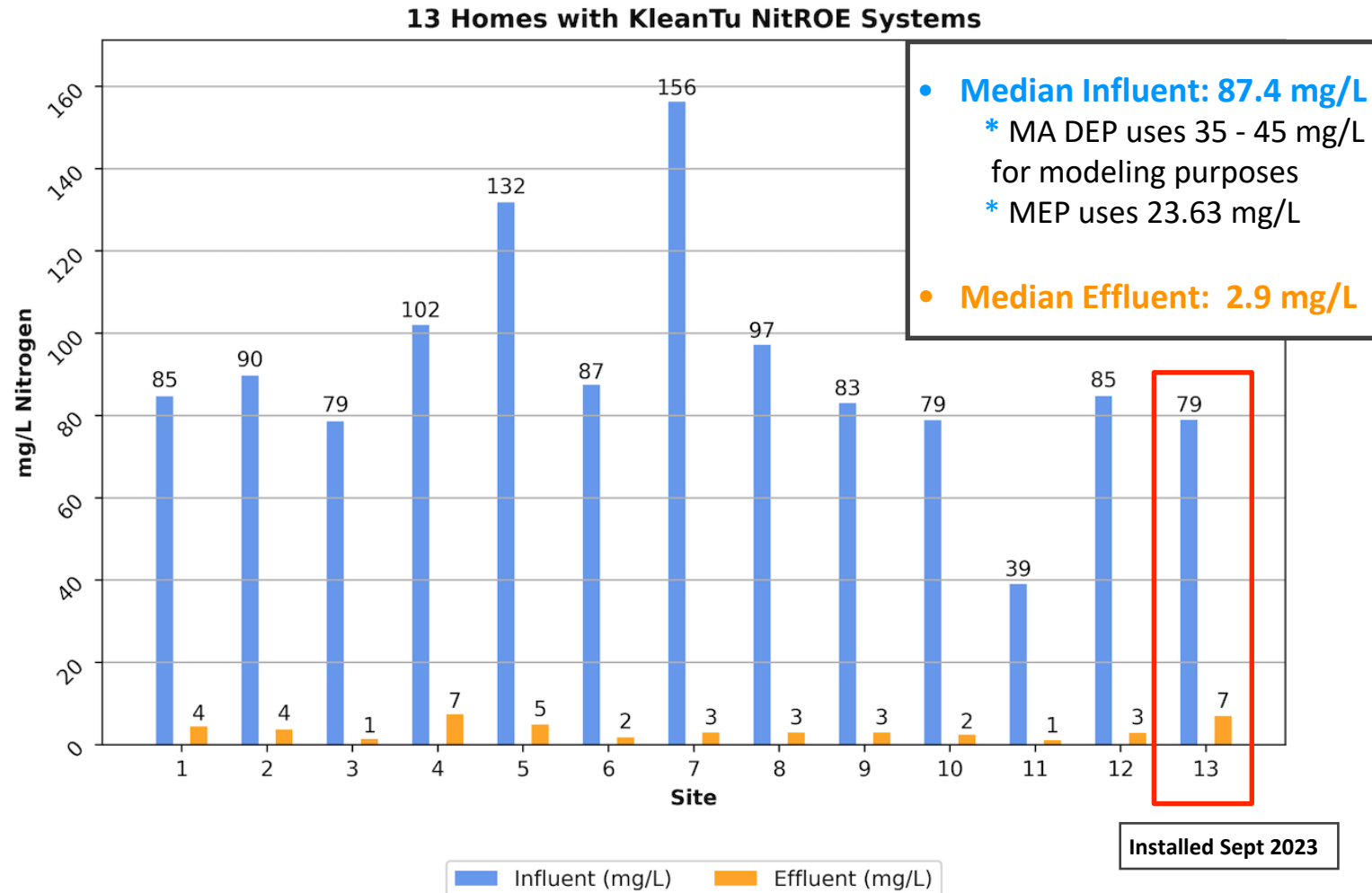


**200+
Installations
20,000+
To Go**

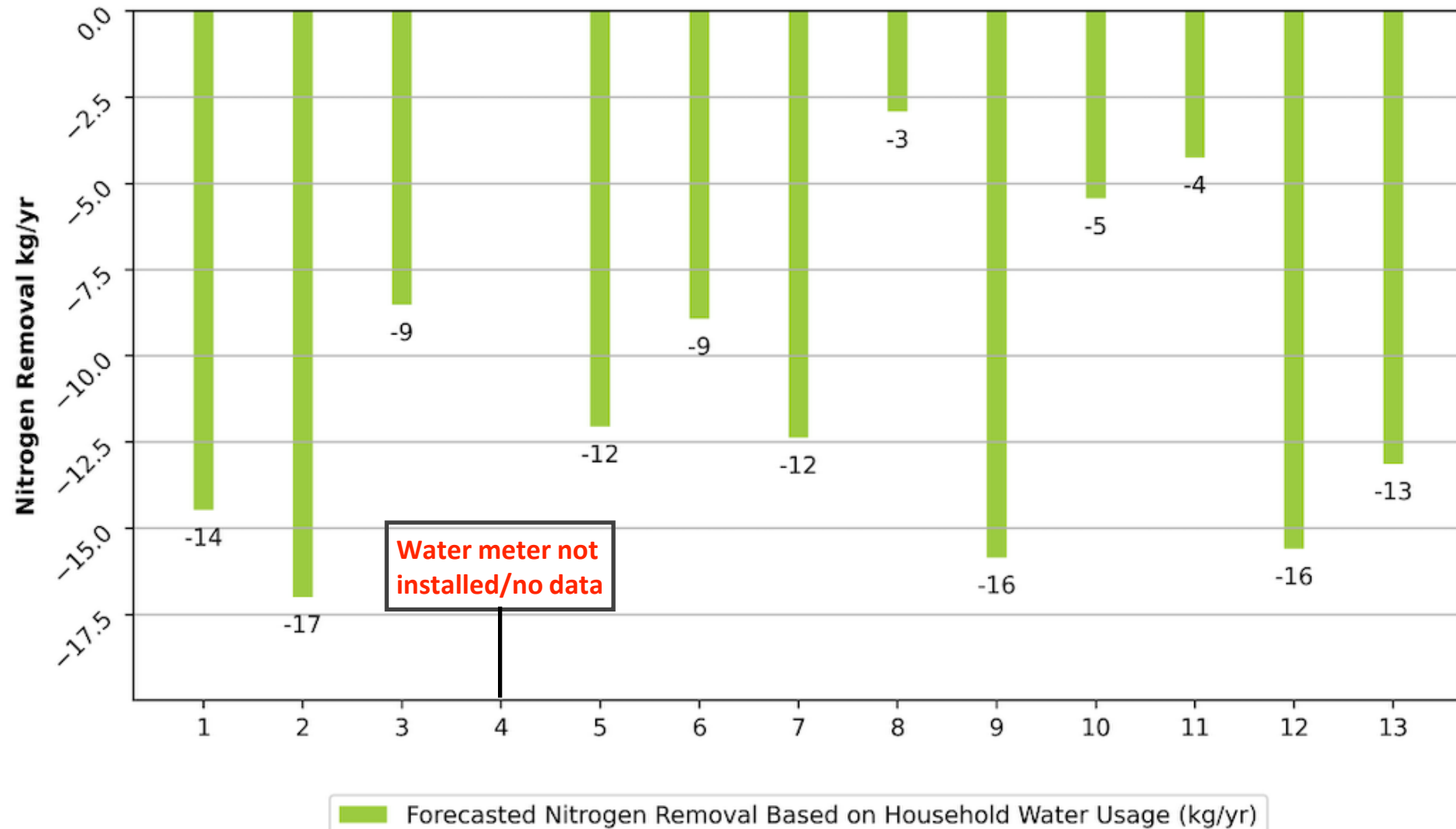


**Proven and Patented
Performance**

SHUBAEL POND I/A SEPTIC SYSTEM PROJECT PERFORMANCE DATA 12/10/21 - 01/24/24 (MEDIAN)



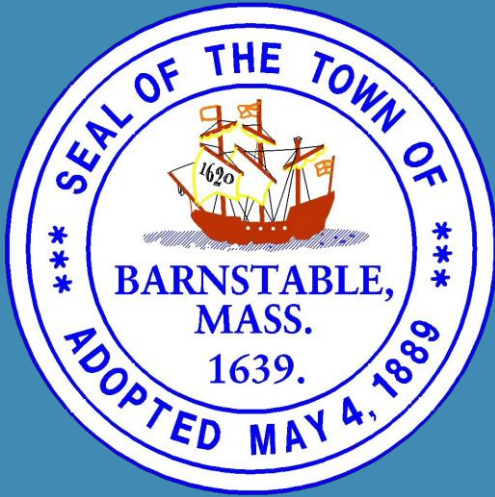
SHUBAEL POND I/A SEPTIC SYSTEM PROJECT NITROGEN REMOVAL KG/YEAR



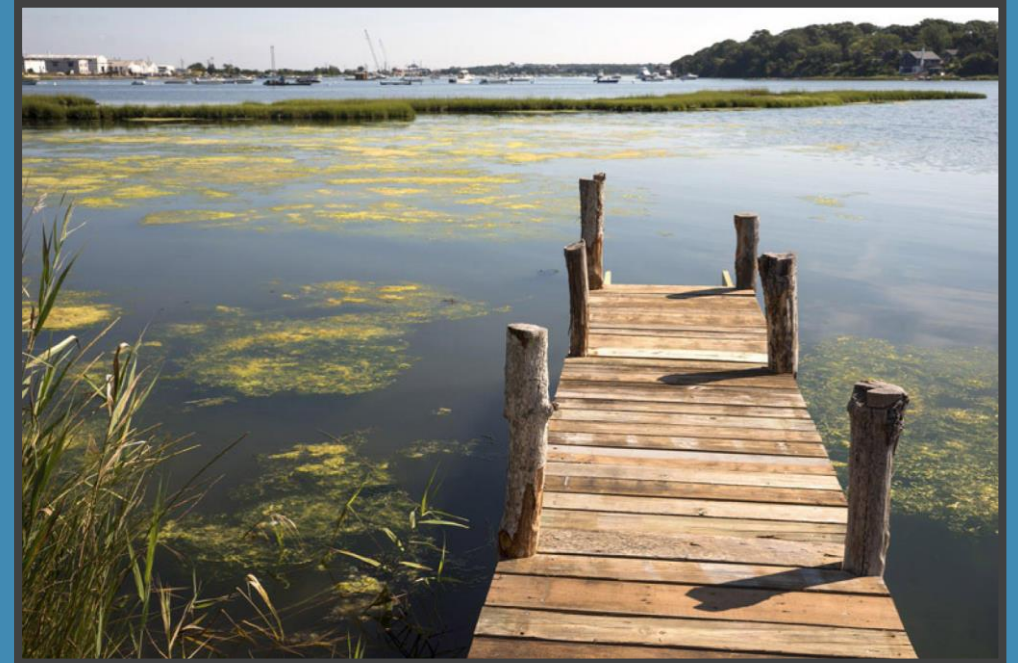
Tisbury Tightens Septic Regulations

Louisa Hufstader

Tuesday, October 3, 2023 - 10:06am



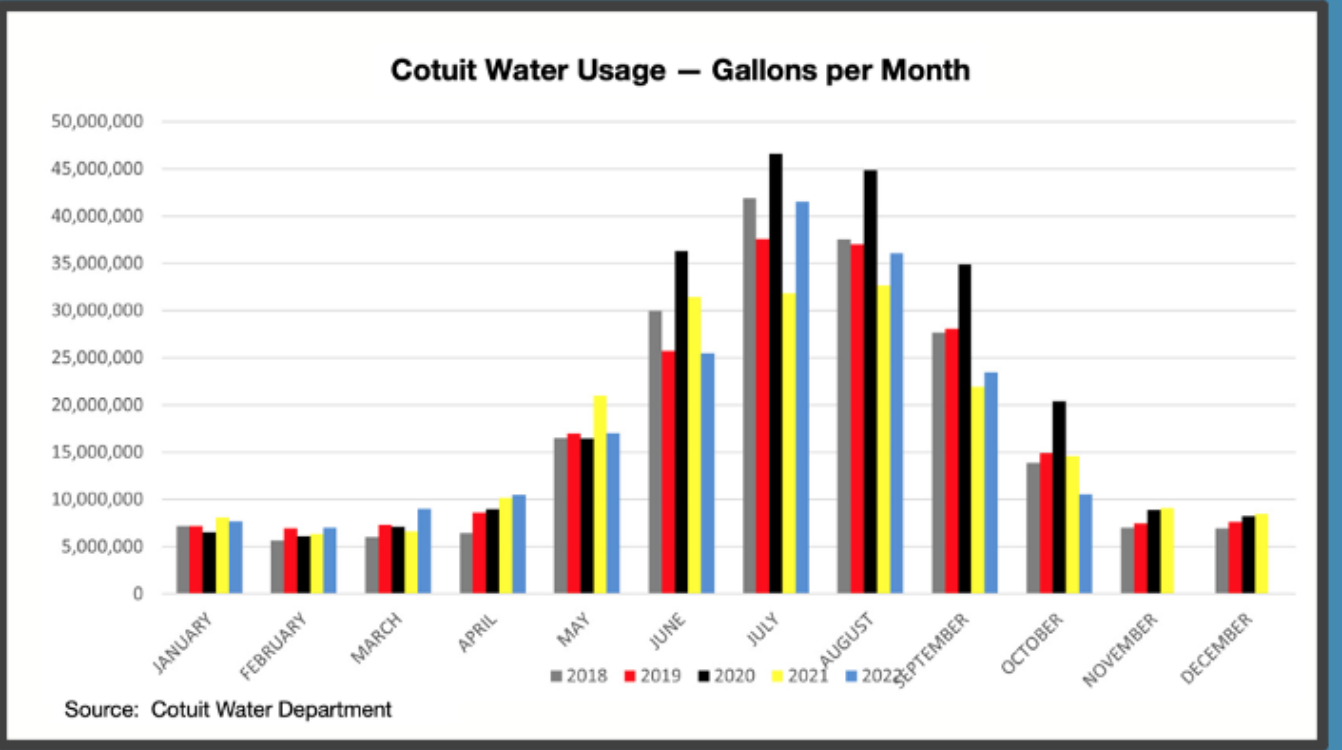
**Shouldn't
Barnstable?**



- Houses within 500 feet of the water
- House sales/real estate transfers
- Upgrades, repairs, replacements — whether or not system has failed
- New construction
- Expansions/Additions (e.g., bedrooms)



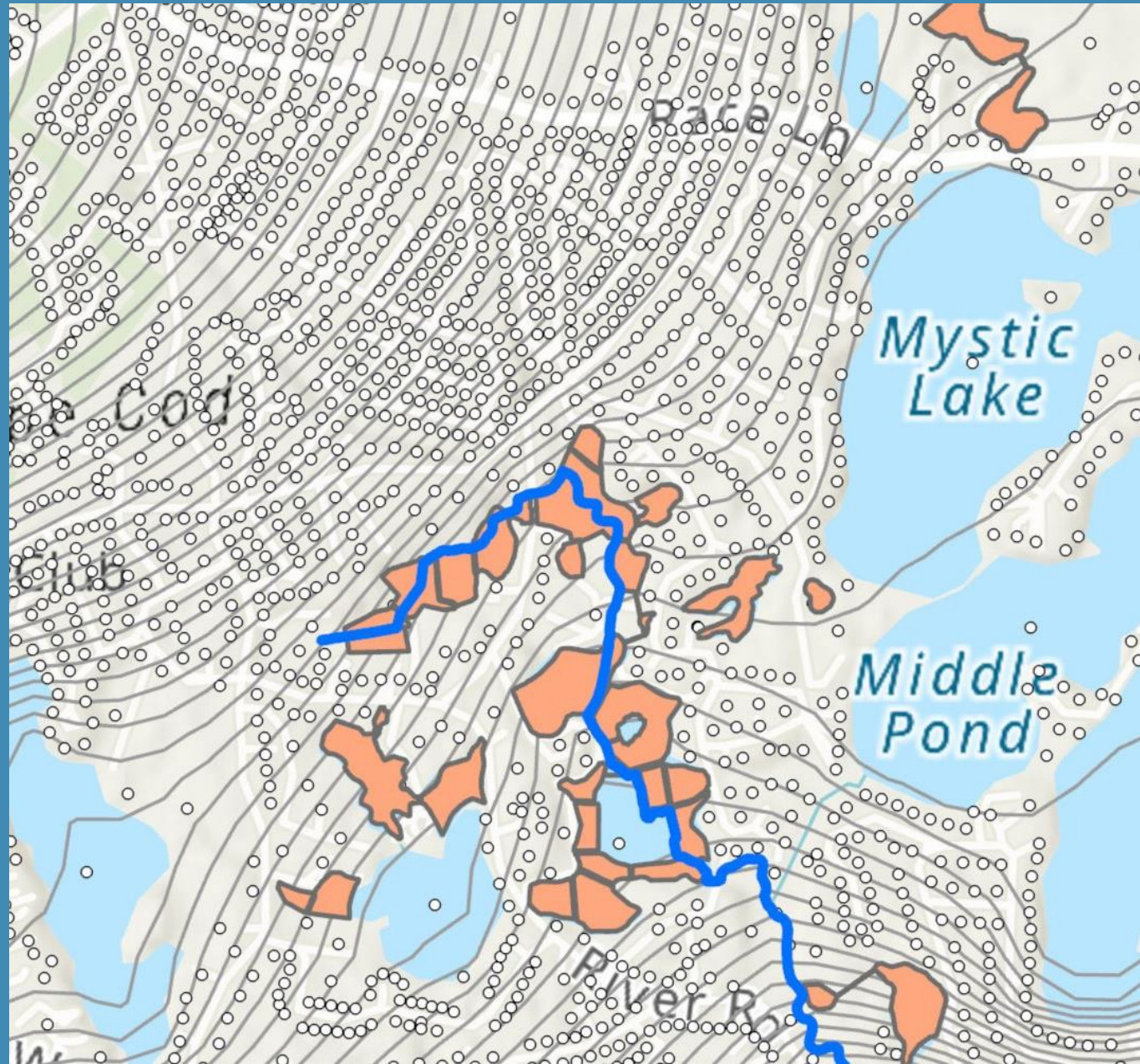
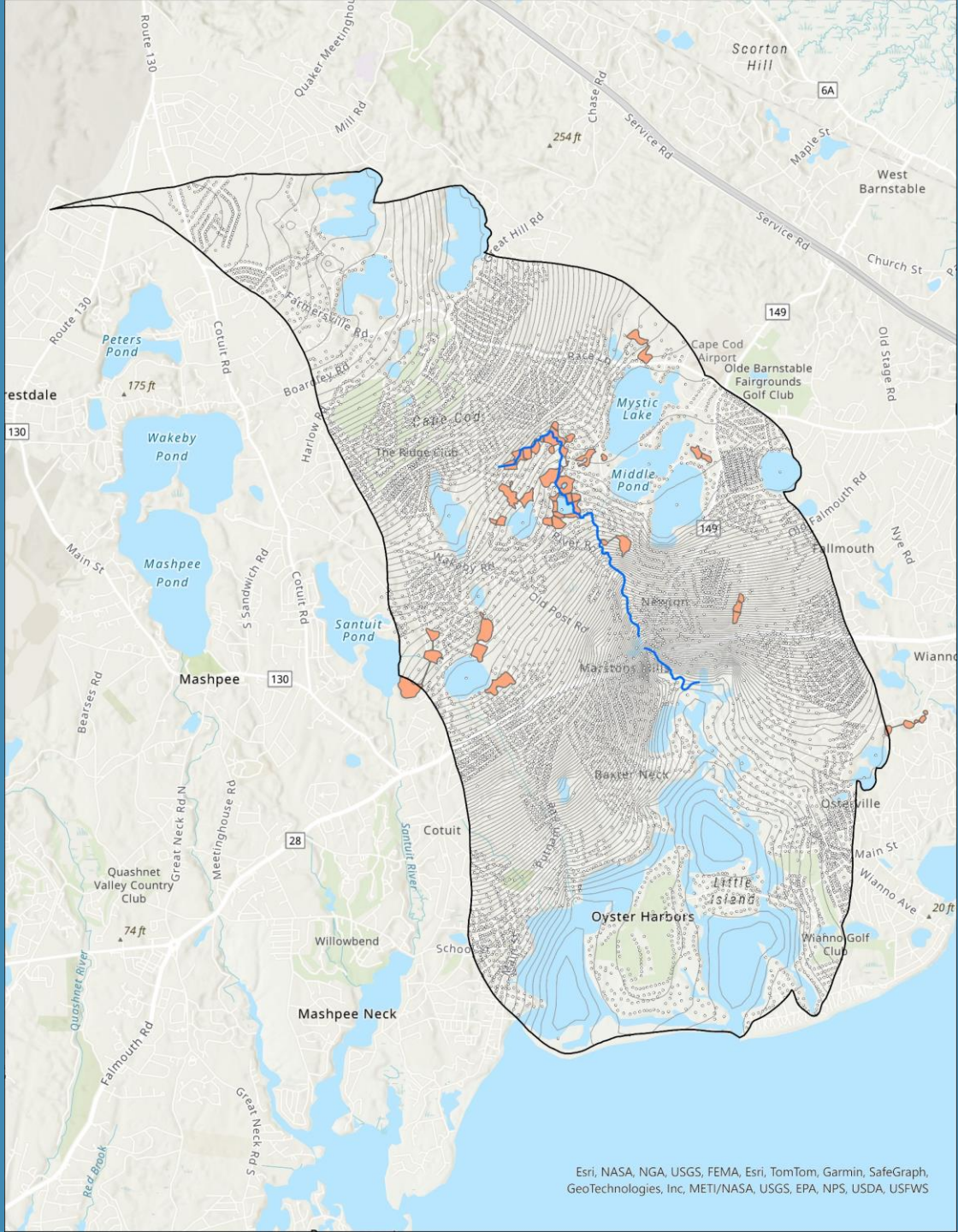
DAYS



WHAT ABOUT THE BOGS?



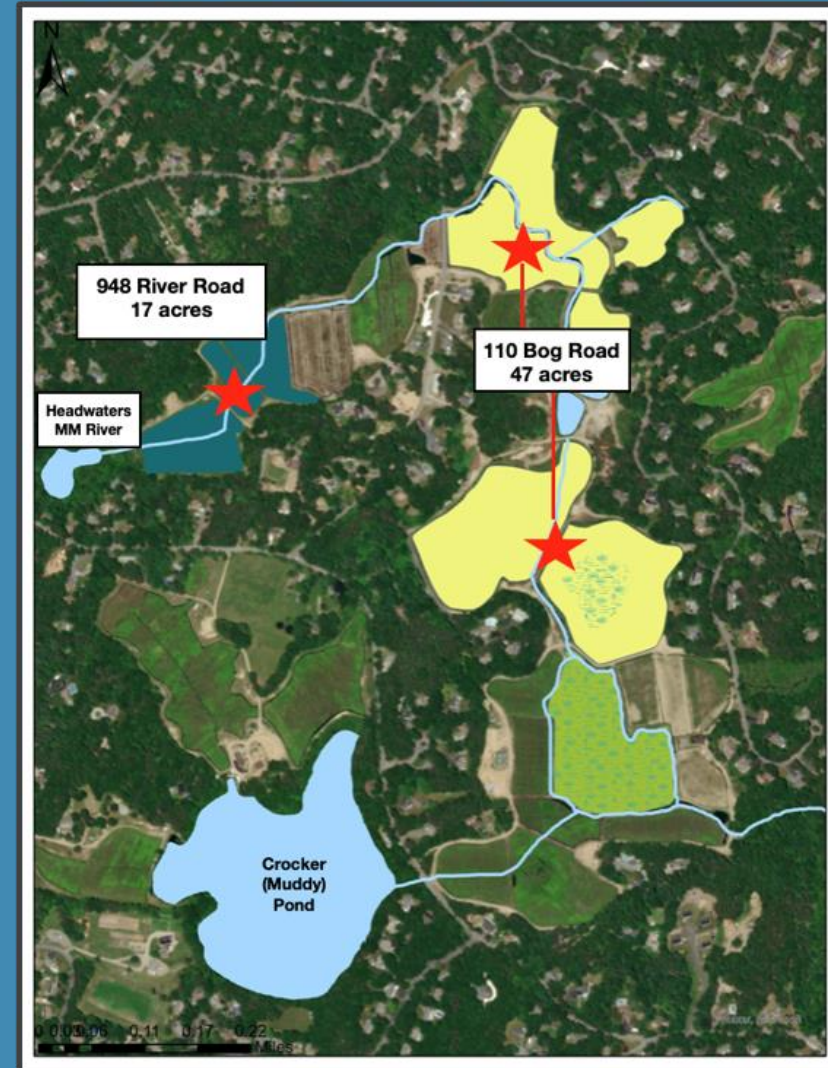
Barnstable
CLEAN WATER
Coalition



MARSTONS MILLS CRANBERRY BOG RESTORATION PROJECT



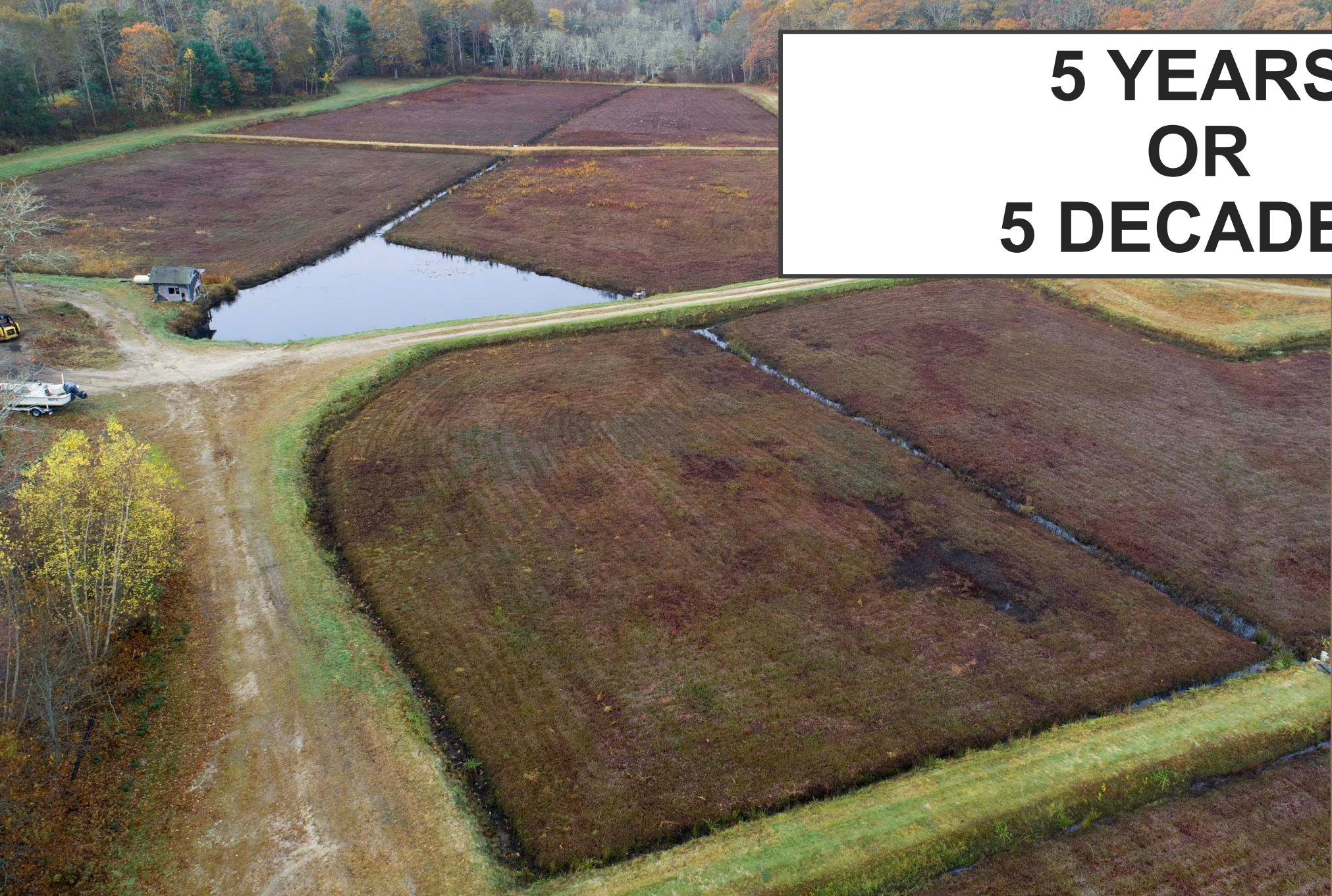
GOAL – 100+ ACRES





1850s — Saved the Cape's Economy
2050s— Save the Cape's Environment?



An aerial photograph showing a large-scale wetland restoration project. A winding waterway, likely a constructed or restored stream, flows through a landscape of dark, saturated brown soil, which is characteristic of a wetland. The waterway is bordered by grassy areas and a dirt road. In the upper left, a small building and a boat are visible. The background features a line of trees with autumn foliage. The entire image is set against a solid blue background.

**5 YEARS
OR
5 DECADES**

**\$5 MILLION
OR
\$500 MILLION**



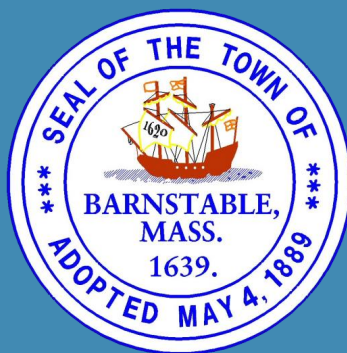
A STORY MAP: MARSTONS MILLS CRANBERRY BOG WETLAND RESTORATION



BCleanWater.org



OUR PARTNERS

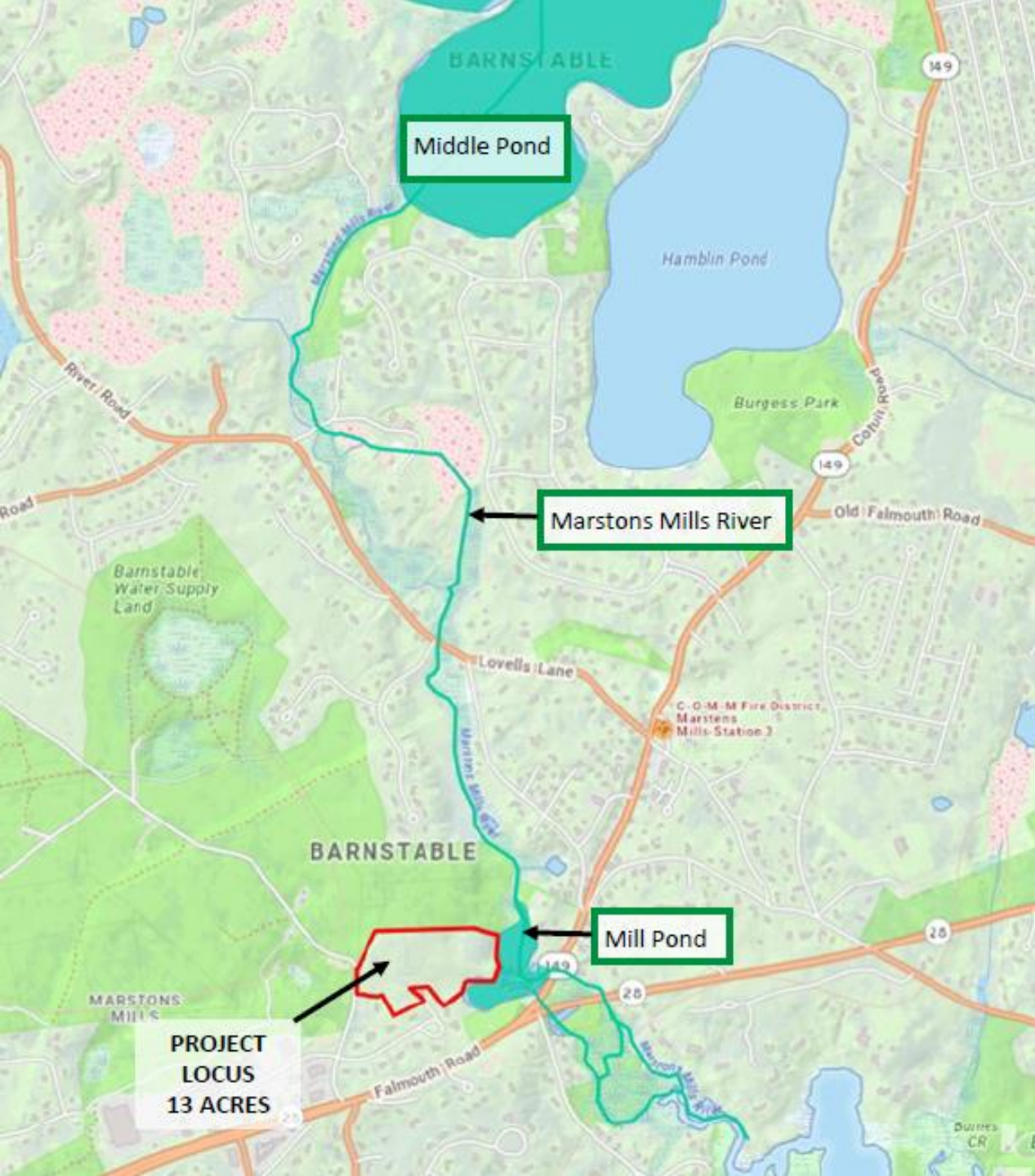


School for Marine Science & Technology
UMass Dartmouth



Janet Milkman
Executive Director



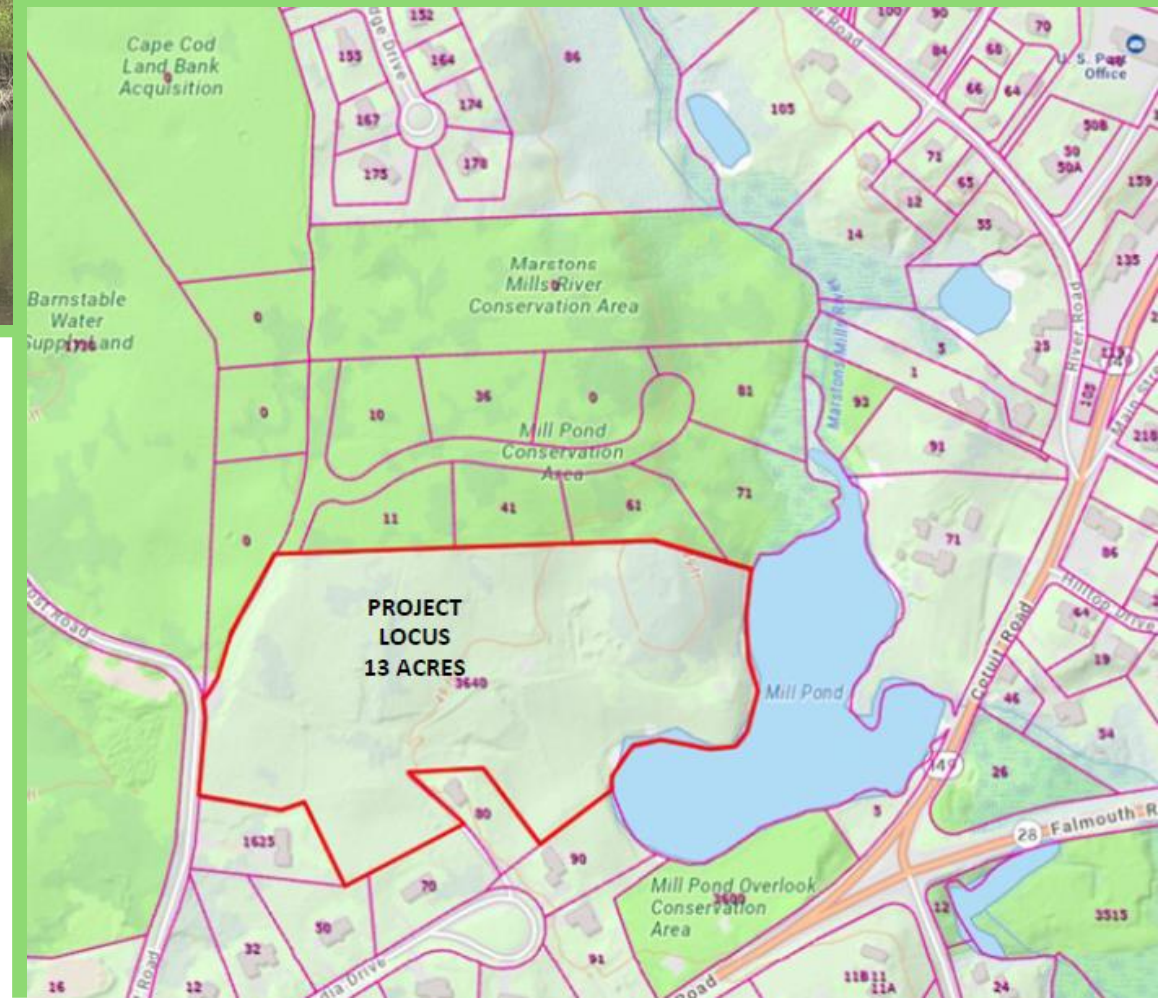




Mill Pond Preserve

3640 Falmouth Road, Marstons Mills

13 Acres
Acquisition Cost: \$1.35 Million



Conservation Value

- 750+ feet of pond shoreline
- Herring run to Middle Pond
- Borders more than 400 acres of existing conservation land
- Drinking water protection
- Wildlife habitat protection – Aquatic and Rare Species
- Allow for improvements to Mill Pond and Marstons Mills River system for nutrient reduction



THANK YOU