Barnstable Clean Water Coalition
Top Three Issues for Barnstable

• Nutrient overload
• Sole source aquifer/quantity
• Public awareness
Nutrient Overload

- Nitrogen and Phosphorous
- Traditional Title 5 Septic Systems
- Stormwater and Fertilizer
Sole-Source Aquifer

GROUNDWATER FLOW

Nantucket Sound

LAND SURFACE

Cape Cod Bay

SALINE GROUNDWATER

FRESH GROUNDWATER

VERY FINE SAND SILT AND CLAY

BEDROCK

Vertical Exaggeration x10 Adapted from USGS Hydrologic Atlas HA-692, 1986
Public Awareness

• Lack of understanding water quality issues
• Getting the message out
Community Outreach

• Paddle for the Bays: Race Cape Cod
• Cape Cod Beer Race to the Pint
• Clean Water Challenge Golf Tournament
• Shuck! Oyster Festival
Aquaculture

- Upweller Project in Hyannis Harbor
- 50,000 oysters
- 2019: Increase to 100,000 oysters
- Partnership with MA Oyster Project and Town
Citizen Science/Monitoring

- SMAST estuary sampling
  - 13 stations
- MIMIC (Marine Invader Monitoring and Information Collaborative)
  - 7 sampling sites
Citizen Science/Monitoring

• Herring counting
  – April through June

• Marstons Mills River Streamflow Monitoring
  – 10 stations; year-round
Citizen Science/Monitoring

• PALS
  – 31 ponds/lakes

• BHS Environmental Club
  – 3 ponds/lakes
Recent Successes

- Phase one of dredging DNSI complete
- Completed first year of upweller project
- Increased advocacy efforts
- Partnerships with U.S. EPA and TNC
Goals Going Forward

• Pilot innovative technologies to mitigate nitrogen
• Increase education and advocacy programs
• Expand aquaculture projects
What makes your watershed special and unique?
How to join!

• Sign up to receive our email updates
• Follow us on Facebook and Instagram – @bcleanwater
• Volunteer your time for clean water
• Become a supporter