







### Alternative Nitrogen Mitigation Efforts

# Casey D. Chatelain, Deputy Director cchatelain@bcleanwater.org



At Barnstable Clean Water Coalition (BCWC) our mission is to restore and preserve clean water throughout Barnstable.

With science as our foundation, BCWC utilizes four core components to accomplish our mission: educate, monitor, mitigate and advocate.

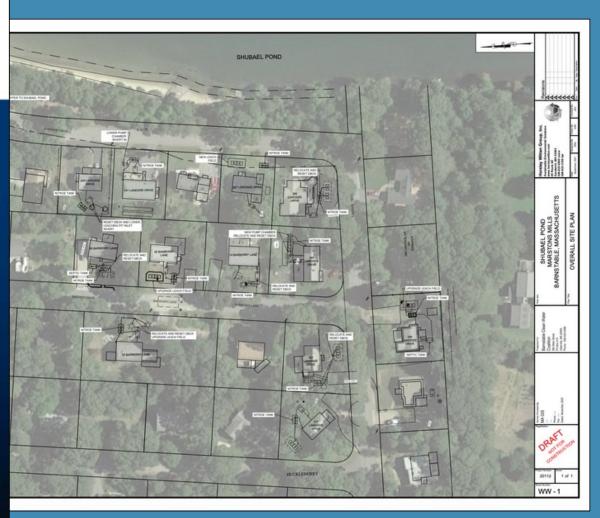


# COALITION Quarterly

Issue 15, Spring 2021

#### Can These Bogs Save the Three Bays Estuary?





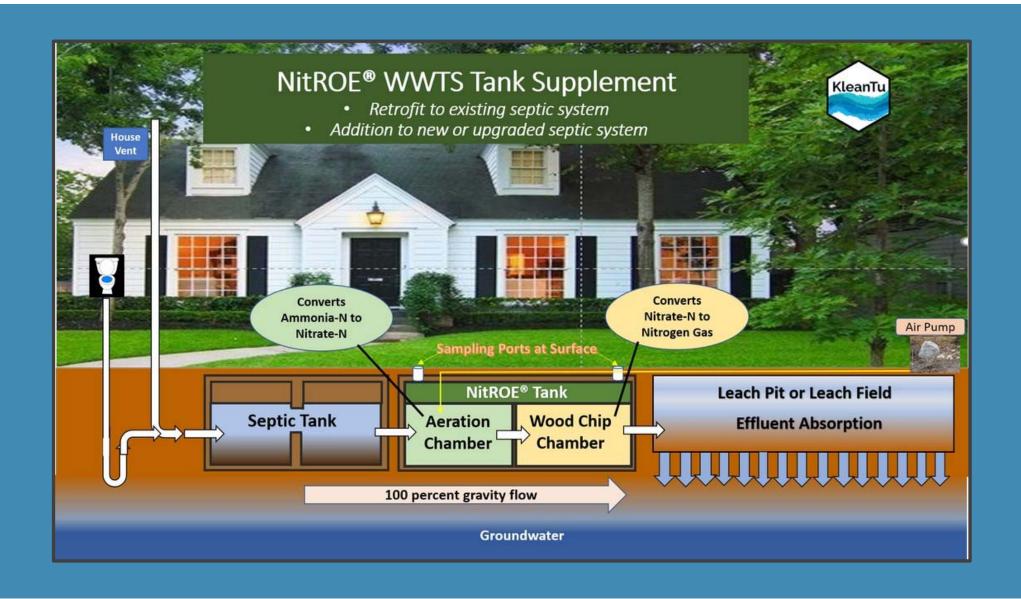
BCleanWater.org

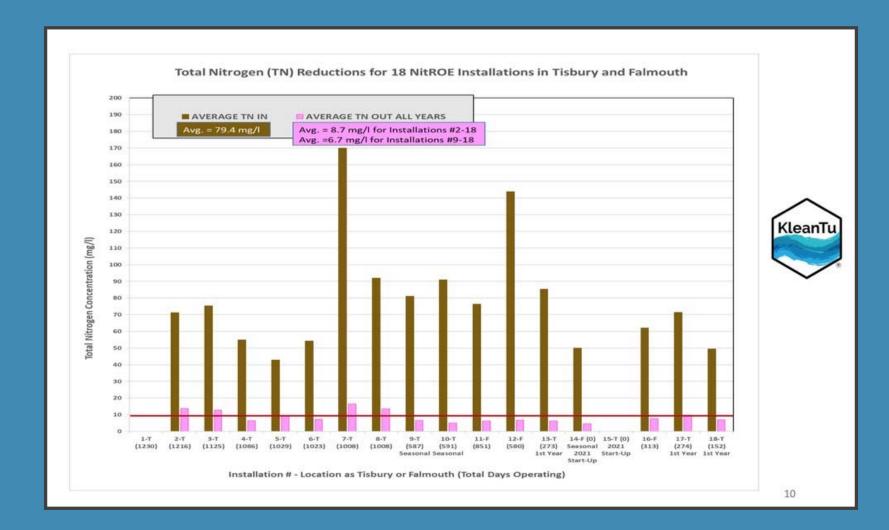
System	Effluent Concentration
Traditional Title V	DEP: 35 mg/l Data: 79.4 mg/l
I/A Septic System	19 mg/l
Enhanced I/A Septic System	<u>&lt;</u> 10mg/l

Pilot Approval
12 systems
2 years

Provisional Approval
50 systems
3 years

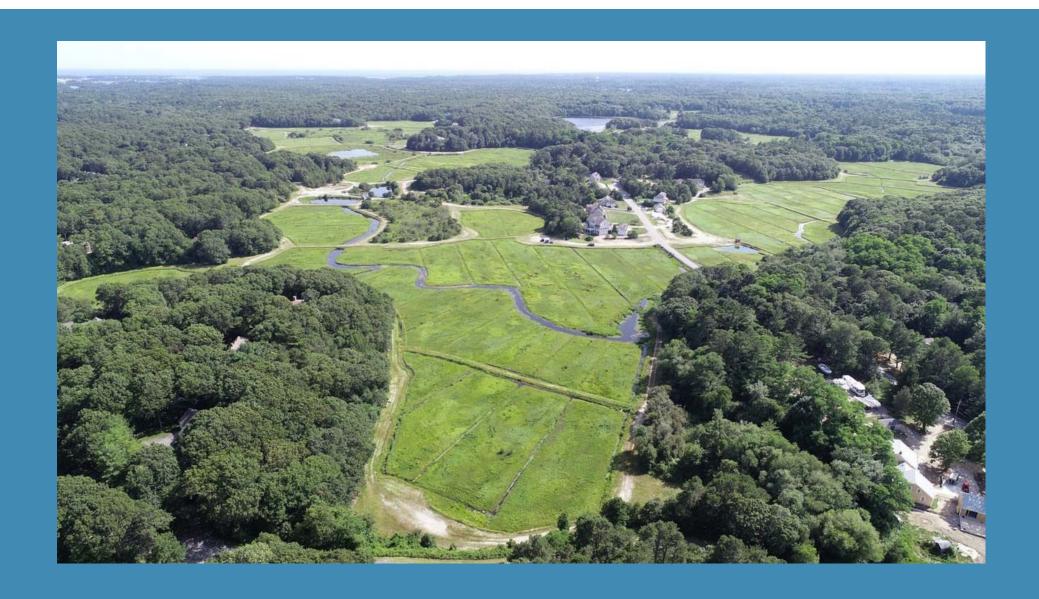
General Approval













Howes B., S. W. Kelley, J. S. Ramsey, R. Samimy, D. Schlezinger, E. Eichner (2005). Linked Watershed-Embayment Model to Determine Critical Nitrogen Loading Thresholds for Three Bays, Barnstable, Massachusetts. Massachusetts Estuaries Project, Massachusetts Department of Environmental Protection. Boston, MA.

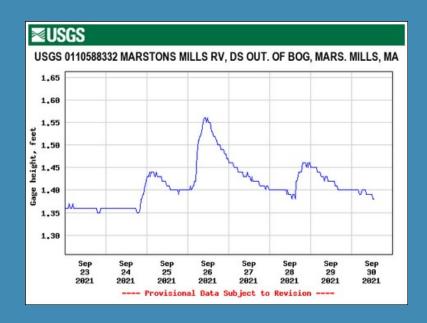


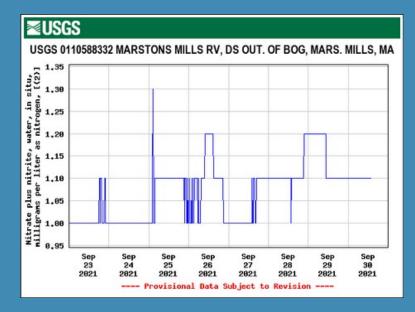


Photo Courtesy of Alex Hackman, Massachusetts Department of Ecological Restoration



Photo Courtesy of Alex Hackman, Massachusetts Department of Ecological Restoration













## Alternative Nitrogen Mitigation Efforts

## Casey D. Chatelain, Deputy Director cchatelain@bcleanwater.org

