

TOWN OF EASTHAM

Wastewater Management Planning Project

Findings and Recommended Next Steps

Presentation to Board of Selectmen
September 21, 2009

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Stearns & Wheeler LLC
Environmental Engineers & Scientists

Presentation Outline

- Project Reports
- Draft Newsletter
- Summary of Needs
- Alternatives Evaluated
- Findings and Recommended Next Steps


Project Reports

Wastewater Management Planning Project

Final Interim Needs Assessment & Alternatives Screening Analysis Report

Volume 1, Report Text

Town of Eastham, Massachusetts




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COMMERCIAL DISTRICT, NEW YORK, NEW YORK

Wastewater Management Planning Project

Plan Evaluation Report

Town of Eastham, Massachusetts



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Draft Newsletter

Town of
EASTHAM, MA

Wastewater Management Planning Project

EASTHAM MOVES FORWARD WITH WASTEWATER PLANNING

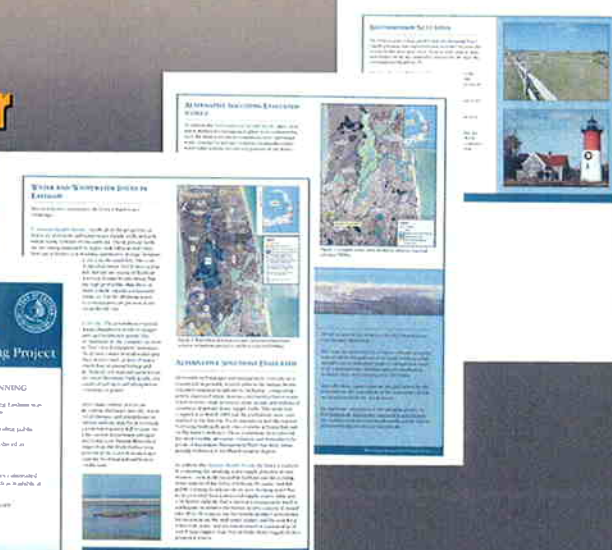
As the May 20th deadline looms, it is time to address the wastewater management plan approval and build the community support and buy-in that is needed for the project to move forward. The project is a multi-phased process that will take several years to complete. The project is a multi-phased process that will take several years to complete. The project is a multi-phased process that will take several years to complete.



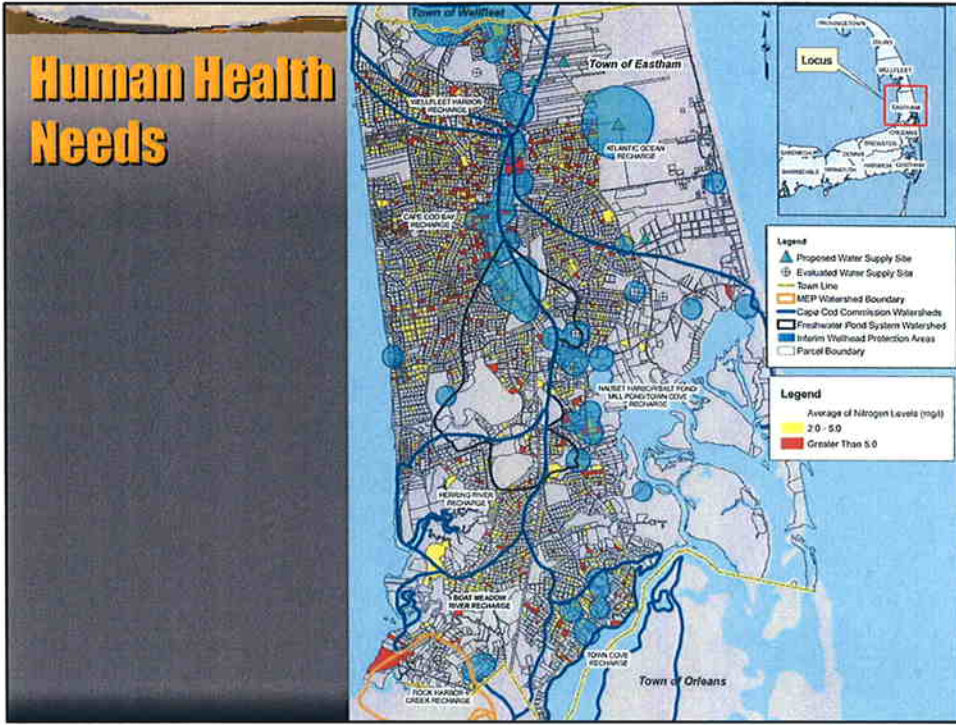
Wastewater Management Planning Project

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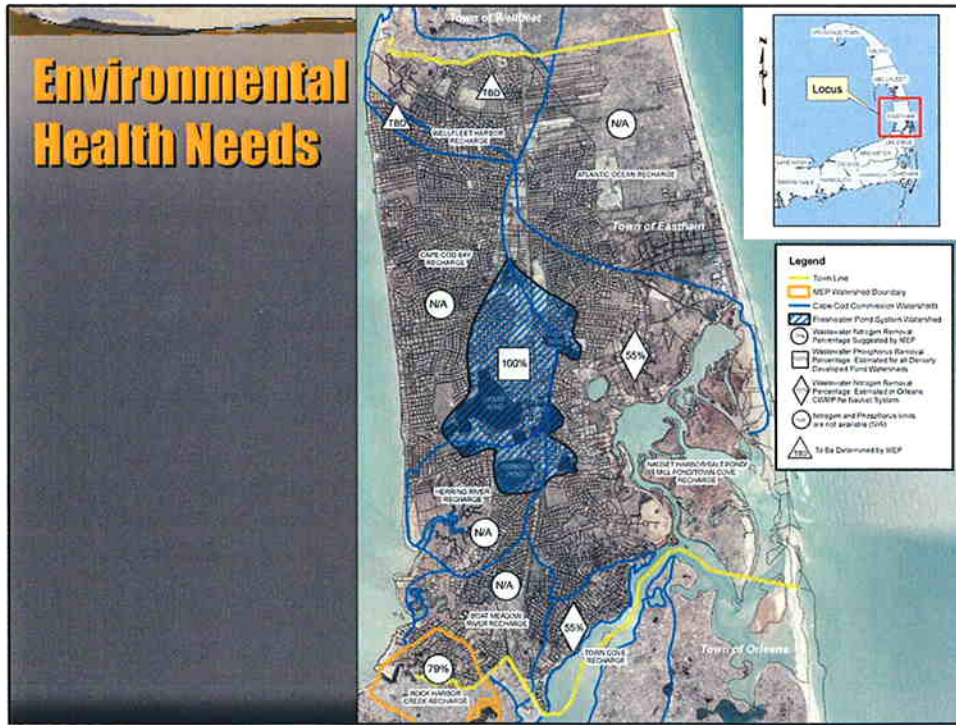
Wastewater Management Planning Project



Human Health Needs



Environmental Health Needs



Alternatives Evaluated

Water and WW Alternatives

- Drinking water systems
- Individual on-site septic systems
- Non-discharge systems
- Cluster systems
- Community systems
- Treated water recharge/reuse
- Site evaluations
- Flow and load reductions alternatives

Additional Non-Wastewater Alternatives:

- Fertilizer management
- Pet waste management
- Watershed modifications for natural attenuation
- Improved stormwater management
- Improved tidal flushing
- Modified zoning
- Nitrate barrier wall

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Evaluation Findings

1. Town-wide municipal drinking water system from a protected source is needed
2. Town-wide sewer system is not needed, but advanced wastewater treatment is needed for selected areas of Town
3. Pond water quality problems are best solved by in-pond treatment with alum

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