

City of Rehoboth Beach Proposed Wastewater Projects

Public Workshop
October 19, 2016

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Division of Watershed Stewardship



Important Information

- Public Hearing – 6:00 PM, 11/15/16
Rehoboth Elementary School
500 Stockley St., Rehoboth Beach
- 4:30 PM, 12/2/16 – End of Public Comment Period
Rehoboth_Wastewater_Comments@state.de.us
- <http://www.dnrec.delaware.gov/Admin/Pages/Rehoboth-Wastewater-Projects-Info.aspx>

Inland Bays Timeline

- 1969 – Governor Peterson Commissions Study
- 1982 – Inland Bays Study Group
- 1983 – Inland Bays Task Force
- 1983 – Decisions for Delaware
- 1984 – Inland Bays Monitoring Committee
- 1988 – Inland Bays Estuary Program
- 1988-90 – Intensive Monitoring Program
- 1995 – Comprehensive Conservation & Management Plan
- 1995 – Center for the Inland Bays Created
- 1998 – Total Maximum Daily Load Regulation



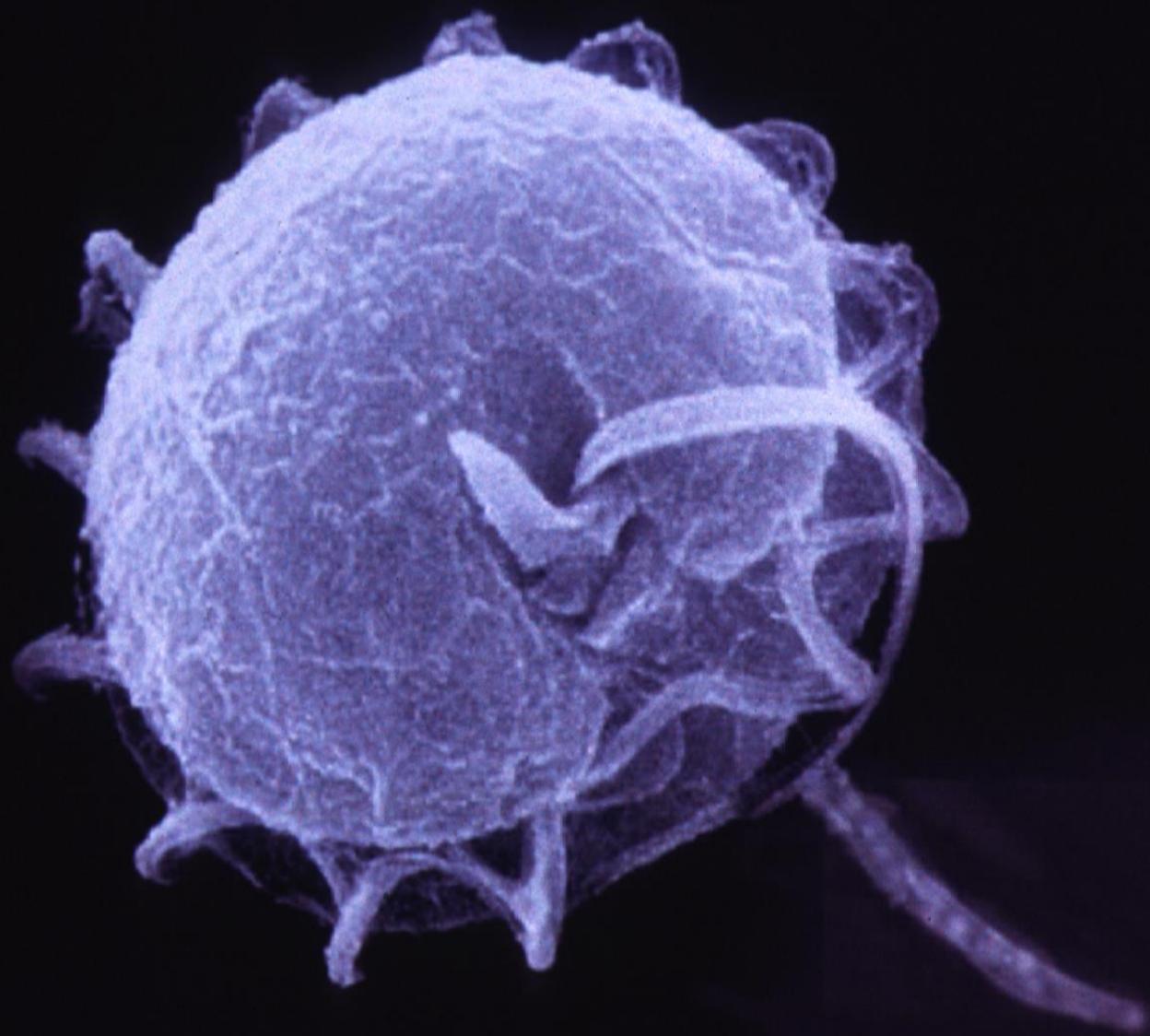














**The waters of the Inland Bays
may contain organisms that
could be harmful to your health.**

**Swimming could result in an
increased risk of rashes, infections
or gastrointestinal distress,
especially during and after
rainfall.**

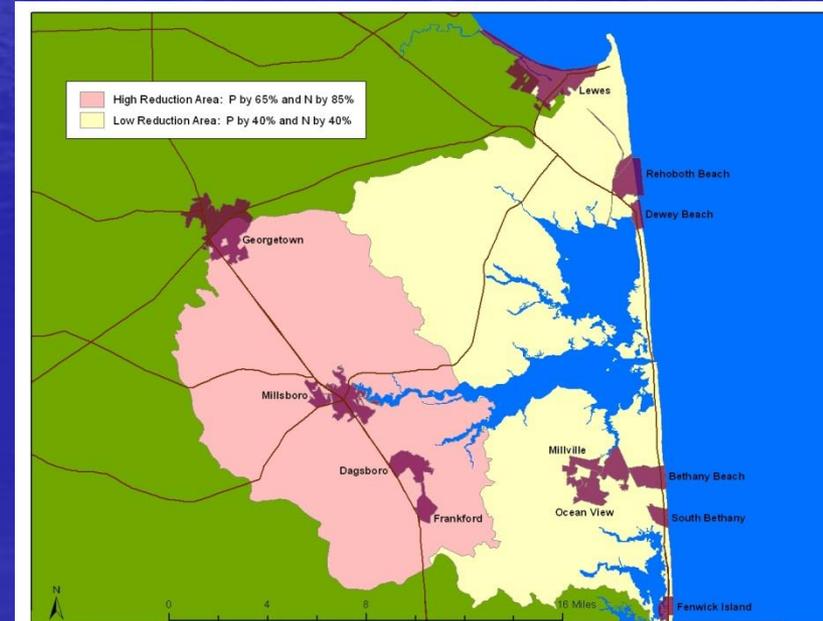
**For your health and safety, please
swim at beaches with lifeguards
where the water quality is tested
weekly. For information on beach
water quality or to report illnesses
resulting from contact with these
waters, please call 1-800-922-WAVE
or visit www.dnrec.state.de.us**



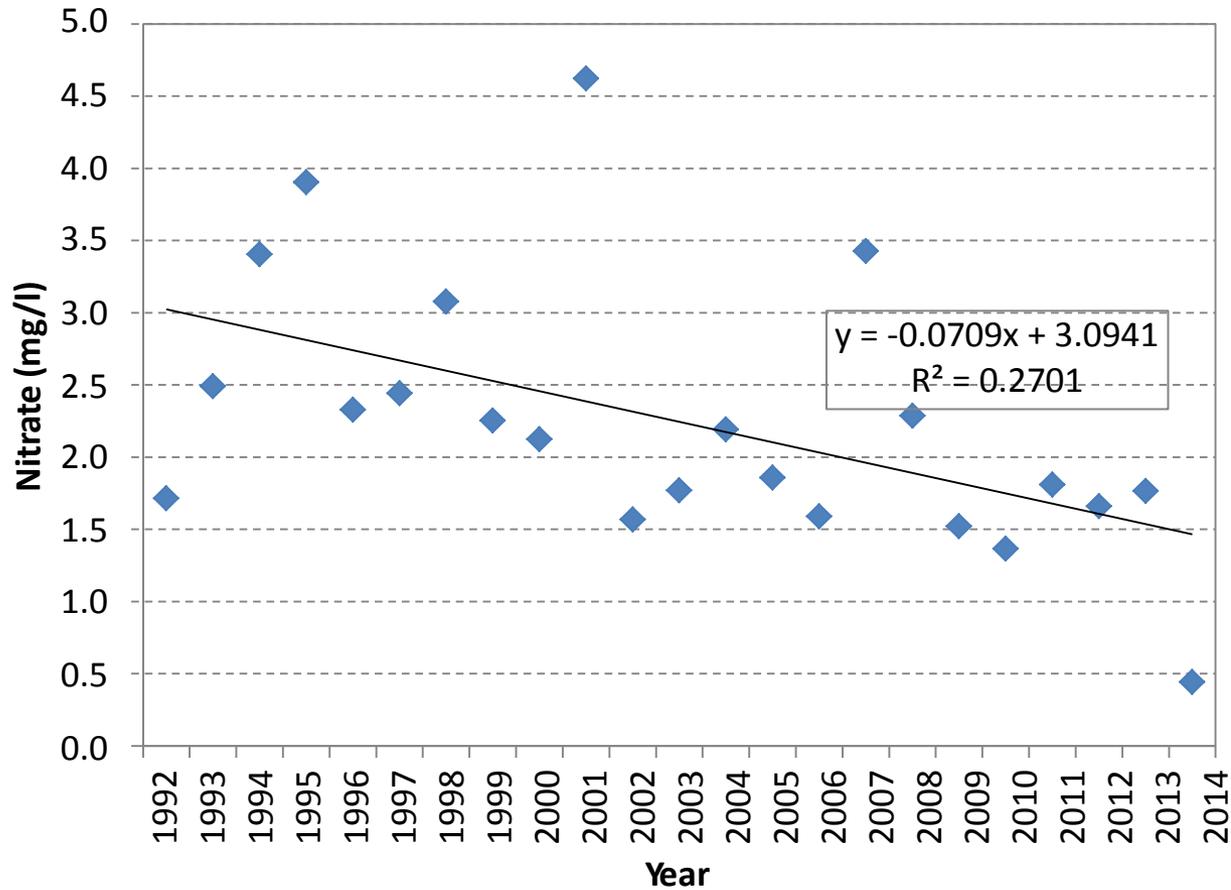
TMDL - 1998

Total Maximum Daily Load

- Systematic elimination of all point sources of nutrient loading
- Remove 40-85% Nonpoint Nitrogen
- Remove 40-65% Nonpoint Phosphorus
- 20% reduction in atmospheric deposition of N via Clean Air Act
- Implementation through a Pollution Control Strategy



Annual-average Nitrate in Wet Deposition (NOAA NADP site at UD's Lewes Campus)



Point Source Progress Since 2000

- 11 eliminated
 - Bayshore Mobile Home Park
 - Colonial East Mobile Home Park
 - Colonial Estates
 - Burton Village
 - Delaware Seashore State Park
 - Delaware State Housing Authority
 - Frankford Elementary School
 - Georgetown Wastewater Treatment Plant
 - Mountaire (previously Townsend's; 2 sources)
 - Millsboro Wastewater Treatment Plant
- 2 trades
 - Allen Harim (previously Vlastic then Pinnacle Foods)
 - Lewes
- NRG - not affected by TMDL
- 1 remaining
 - Rehoboth Beach Wastewater Treatment Plant

Post-TMDL Progress

City of Rehoboth Beach

- 2001 – Effluent Disposal Study Begins
- 2005 – Effluent Disposal Study Final Report
- 2008 – Numerous DNREC presentations to the City Commission (Water Quality, NPDES, Land Application, Beach Protection, Coastal Consistency, Wetlands/Subaqueous Lands, Fisheries, Emerging Contaminants (Pharmaceuticals, Personal Care Products), Financing
- 2009 – Alternative Discharge Cost Evaluation
Search for Spray Irrigation Land
Joint Rehoboth/Sussex County Land Application Study
Public Hearing on Alternatives

Progress, cont.

- 2010 - City Applies for Delaware Water Pollution Control Revolving Fund Funding (6/11/10)
- 2010 – Determine Scope of Environmental Impact Statement (EIS)
Federal, State, Local Agency Input, Public Meeting (9/21/10)
- 2011 - Draft EIS Completed
Federal, State, Local Agency Review & Comment
Public Hearing (4/10/12); 60-Day Comment Period
Hearing Officer's Report
- 2013 – Final Environmental Impact Statement (1/27/13)
- 2014 – DNREC Record of Decision (Funding Approval)