



# Stormwater Management in Barnegat Bay

March 31, 2022



**SAVE BARNEGAT BAY**  
**RESTORE • ENHANCE • PROTECT**  
Save Barnegat Bay EcoCenter • 117 Haines Road • Toms River NJ 08753 • [savebarnegatbay.org](http://savebarnegatbay.org) • 732.830.3600



# Save Barnegat Bay

- Founded in 1971 (51 Years!)
- Education and Advocacy group
- Non profit
- Non governmental organization (NGO)
- Non partisan
- “....a strong and independent voice for the Bay”





# The EcoCenter: 117 Haines Road Toms River

- 40 acres of “Green Acres” land with trails
- Along the Toms River and Long Swamp Creek
- Outdoor classroom called “Rivertime”
- Green House
- Native plant gardens
- Seasonally installed rain barrels
- Visitor information
- Water Quality Lab



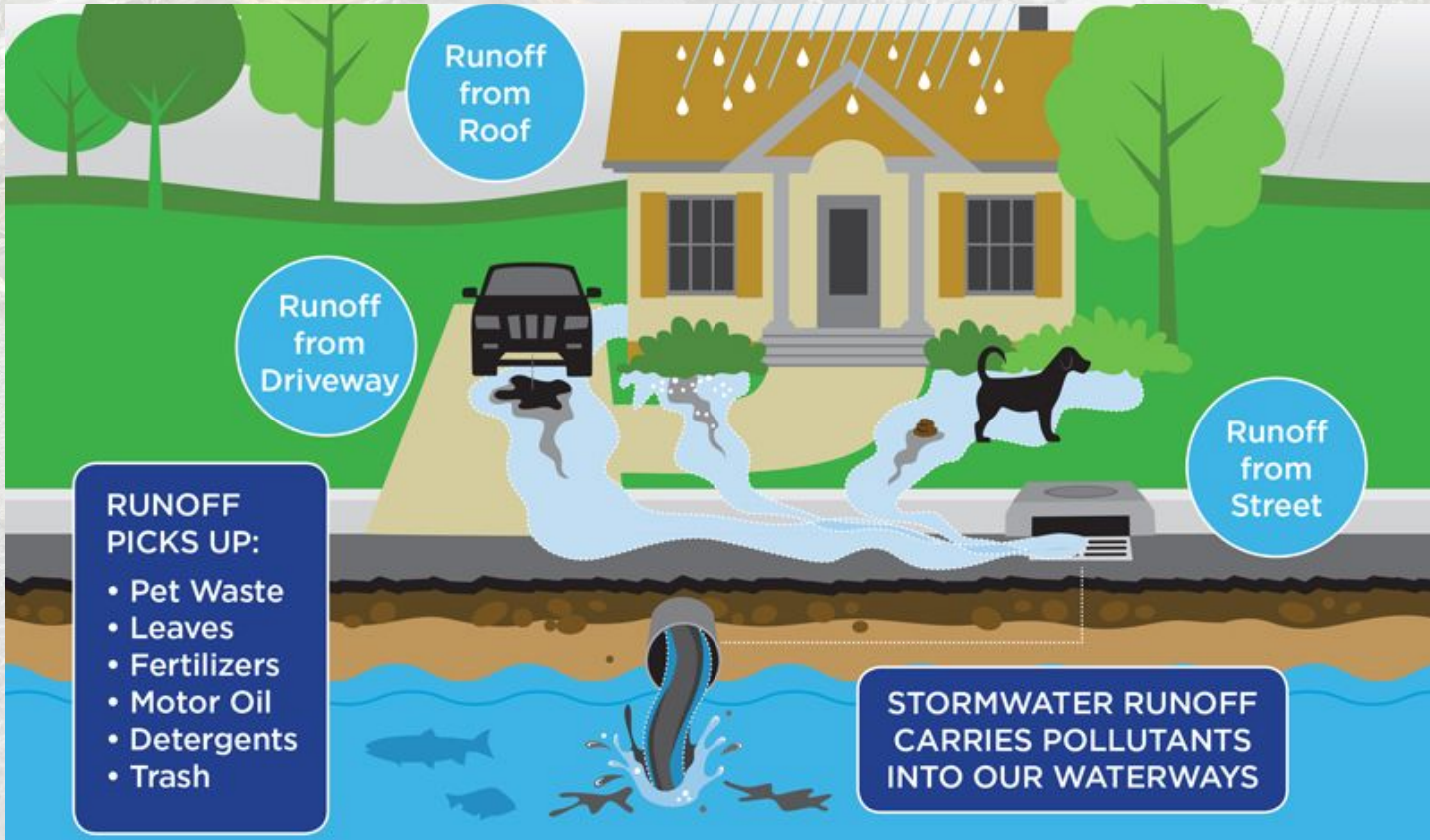
# What is stormwater?



Water that falls from the sky and lands on the ground (i.e. snow and rain)

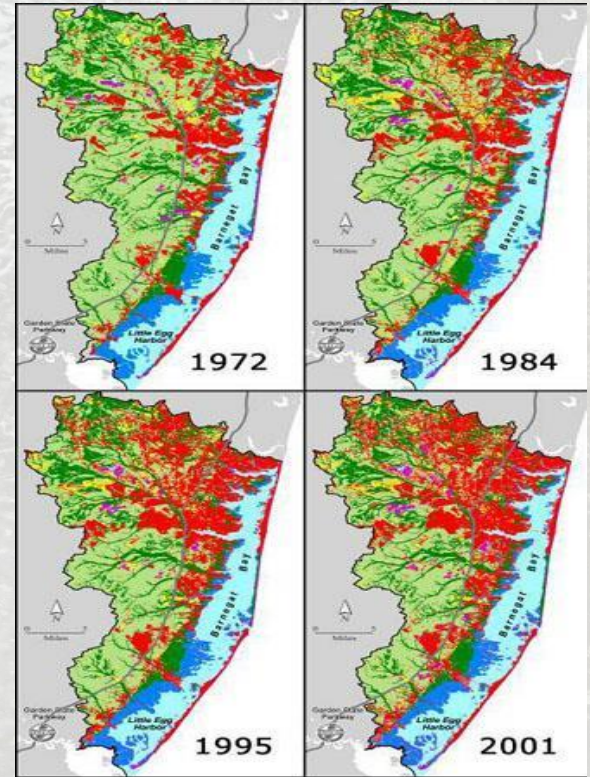


# Stormwater moves pollution



# The Need For Better Stormwater Management

- Bay's eutrophication function of watershed development.
- Majority of development in northern part of Bay occurred before the stormwater rules.
- Result, inadequate stormwater management.

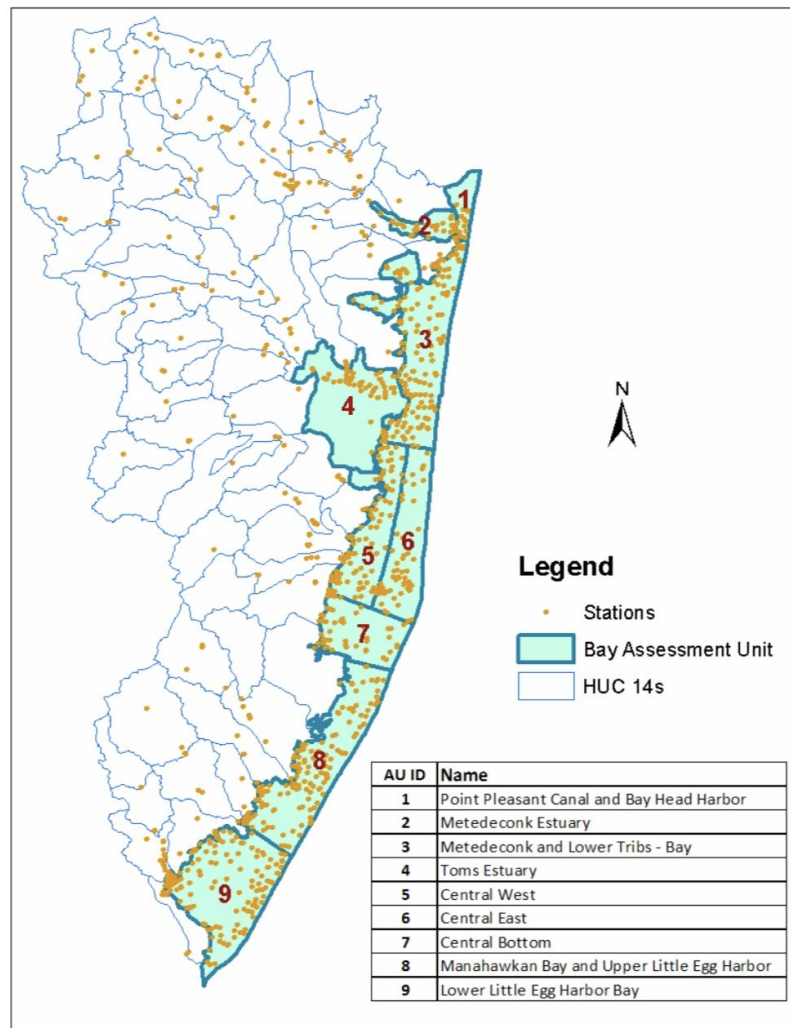


Barnegat Bay Partnership





Figure 1 Assessment Units

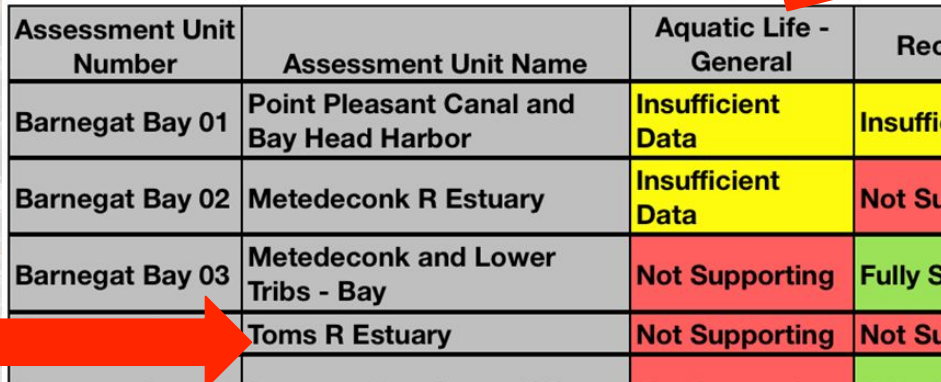


# Impaired Waters (NJ)

2014 (303(d) List)

Estuary = Nursery for Fish & Birds

Aquatic Life - General.....7 out of 9 Segments **FAIL**

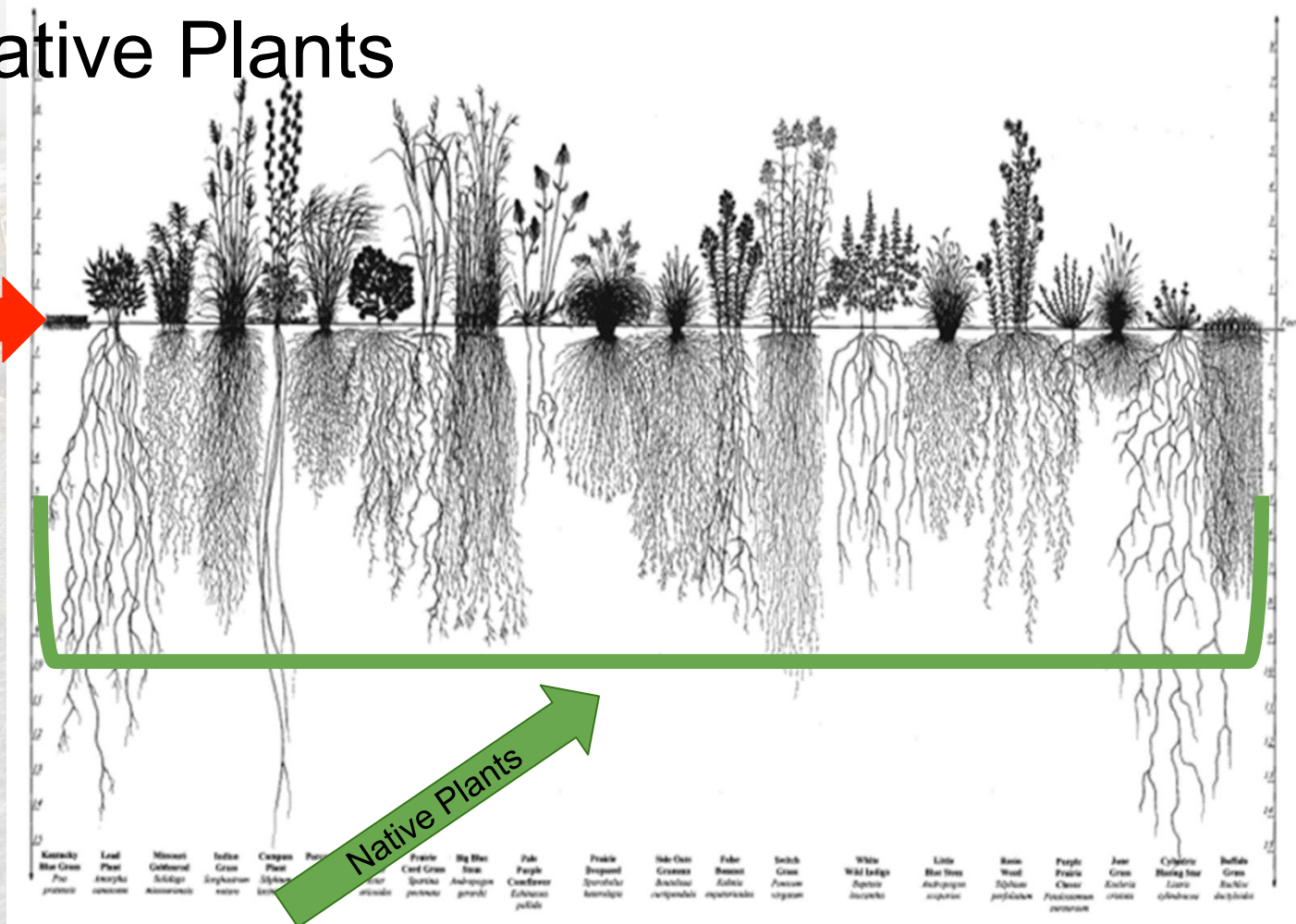


Assessment Unit Number	Assessment Unit Name	Aquatic Life - General	Recreation	Shellfish	Fish Consumption
Barnegat Bay 01	Point Pleasant Canal and Bay Head Harbor	Insufficient Data	Insufficient Data	Not Supporting	Insufficient Data
Barnegat Bay 02	Metedeconk R Estuary	Insufficient Data	Not Supporting	Not Supporting	Insufficient Data
Barnegat Bay 03	Metedeconk and Lower Tribs - Bay	Not Supporting	Fully Supporting	Not Supporting	Insufficient Data
	Toms R Estuary	Not Supporting	Not Supporting	Not Supporting	Not Supporting
Barnegat Bay 05	Barnegat Bay Central West	Not Supporting	Fully Supporting	Fully Supporting	Insufficient Data
Barnegat Bay 06	Barnegat Bay Central East	Insufficient Data	Fully Supporting	Fully Supporting	Insufficient Data
Barnegat Bay 07	Barnegat Bay Central Bottom	Insufficient Data	Fully Supporting	Fully Supporting	Insufficient Data
Barnegat Bay 08	Manahawkan Bay and Upper Little Egg Harbor	Not Supporting	Fully Supporting	Fully Supporting	Insufficient Data
Barnegat Bay 09	Lower Little Egg Harbor Bay	Not Supporting	Fully Supporting	Fully Supporting	Insufficient Data



# NJ Native Plants

Grass →



# Native Plant Resources

SaveBarnegatBay.org > Educate > Native Plant Resources





# Lots of Rain Gardens





# Added Benefits



Habitat  
Aesthetics  
Passive recreation  
Environmental Justice



# NEMO: Nonpoint Education for Municipal Officials

Empower 37  
Towns to  
manage  
stormwater  
to protect  
Barnegat Bay











# Municipal Stormwater Requirements

*Is your town making the following elements of its stormwater program available to the public?*

Municipality	Stormwater Pollution Prevention Plan (SPPP)	Municipal Stormwater Pollution Management Plan (MSWMP)	Ordinances	Up-to-Date Annual Report & Supplemental Document
Barnegat Light Boro	Yes	Yes	Some found	Report, Supplement
Barnegat Twp	Yes	Yes	Most found	Report, Supplement
Bay Head Boro	Yes	Not found	All found	Report, No Supplement
Beach Haven Boro	Yes	Yes	Some found	Report, Supplement
Beachwood Boro	Coming Soon (being updated)	Yes	Most found	No Report, No Supplement
Berkeley Twp	Yes	Yes	Most found	Report, Supplement
Brick Twp	Yes	Yes	Most found	Report, Supplement
Eagleswood Twp	Yes	Yes	Most found	Report, Supplement
Harvey Cedars Boro	Yes	Yes	All found	Report, Supplement
Island Heights Boro	Yes	Yes	All found	No report, No Supplement
Jackson Twp	Yes	Yes	All found	Report, Supplement

Municipality	Stormwater Pollution Prevention Plan (SPPP)	Municipal Stormwater Pollution Management Plan (MSWMP)	Ordinances	Up-to-Date Annual Report & Supplemental Document
Point Pleasant Boro	Yes	Yes	All found	Report, Supplement
Seaside Heights Boro	Yes	Coming Soon	Most found	No Report, No Supplement
Seaside Park Boro	Yes	Yes	Most found	Report, Supplement
Ship Bottom Boro	Yes	Yes	Most found	Report, Supplement
South Toms River Boro	Not found	Not found	All found	No Report, No Supplement
Stafford Twp	Yes	Yes	Most found	Report, Supplement
Surf City Boro	Yes	Yes	Most not found	Report, Supplement
Toms River Twp	Not found	Yes	Some found	Report, Supplement
Tuckerton Boro	Yes	Yes	All found	Report, Supplement
Freehold Twp	Yes	Yes	Most found	Report, Supplement
Howell Twp	Yes	Yes	Most found	No Report, No Supplement
Wall Twp	Yes	Yes	Most found	Report, Supplement
Millstone Twp	Yes	Yes	All found	Report, Supplement

Municipality	Stormwater Pollution Prevention Plan (SPPP)	Municipal Stormwater Pollution Management Plan (MSWMP)	Ordinances	Up-to-Date Annual Report & Supplemental Document
Lacey Twp	Coming Soon (being updated)	Yes	Some found	Report, Supplement submitted blank
Lakehurst Boro	Yes	Yes	Most found	Report, Supplement
Lavallette Boro	Not found	Not found	Most found	Report, Supplement
Little Egg Harbor Twp	Yes	Yes	Some found	Report, Supplement
Long Beach Twp	Yes	Yes	Most found	Report, Supplement
Manchester Twp	Yes	Yes	Most found	Report, Supplement
Mantoloking Boro	Yes	Yes	All found	Report, Supplement
Ocean Gate Boro	Not found	Yes	Most not found	No Report, No Supplement
Ocean Twp	Yes	Yes	Some found	Report, Supplement
Pine Beach Boro	Yes	Not found	Some found	Report, Supplement
Point Pleasant Beach Boro	Yes	Yes	Most found	No Report, No Supplement

[lakewoodnj.gov/departments/stormwater](http://lakewoodnj.gov/departments/stormwater)







# Stormwater is a resource

- Some people think of stormwater as a waste product; we think of it as a natural resource
- Reducing the volume reduces the pollutant loading, as in Bio-retention and infiltration practices with no discharges.
- Controlling the peak flow (or first flush) does not reduce the volume.
- Minimum site disturbance preserves the natural path, retains the natural vegetation, and protects against soil compaction. Create a point system for not developing on a wetland, etc.
- Retrofit existing areas or “work with nature” to reduce the volume of runoff and pollutant loading. Make your stormwater into a resource -save the township some money





# Get Involved: Save Barnegat Bay Captains

The group empowers citizens to advocate for the Bay on the municipal level and contributes to the cause of Save Barnegat Bay's boots-on-the-ground mission.

All are welcome to join this group, regardless of past experience with attending local meetings. In 2023, Captains will meet the 4th Tuesday of each month from 4-5 PM. To join the team or for more information, email Avery at [Assistant@SaveBarnegatBay.org](mailto:Assistant@SaveBarnegatBay.org).

