

Interstate Environmental Commission

A TRI-STATE WATER AND AIR POLLUTION CONTROL AGENCY



WATER QUALITY MONITORING IN THE INTERSTATE ENVIRONMENTAL DISTRICT

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PRINCIPAL ENVIRONMENTAL PLANNER

NATIONAL WATER QUALITY MONITORING COUNCIL

CHATTANOOGA, TENNESSEE

MAY 19, 2004

INTERSTATE ENVIRONMENTAL COMMISSION

❖ *MISSION:*

To protect and enhance environmental quality through cooperation, regulation, coordination, and mutual dialogue between government and citizens in the tri-state region.

❖ *GOALS:*

To abate and control water pollution in the District and engage in the coordination of interstate air pollution problems, in order to achieve a healthy environment and a productive ecosystem.

❖ *REGION:*

As an interstate agency, IEC views the region as a whole and crosses state boundaries in an unbiased and impartial manner...working from a regional perspective to protect the interests of NEW YORK, NEW JERSEY and CONNECTICUT.

IEC's KEY FUNCTIONAL AREAS

- Coordinate interstate and region-wide programs
- Use its enforcement and regulatory powers on both interstate and intrastate basis
- Provide technical assistance and support to its member States, US EPA and others
- Enhance public and legislative awareness, and disseminate information

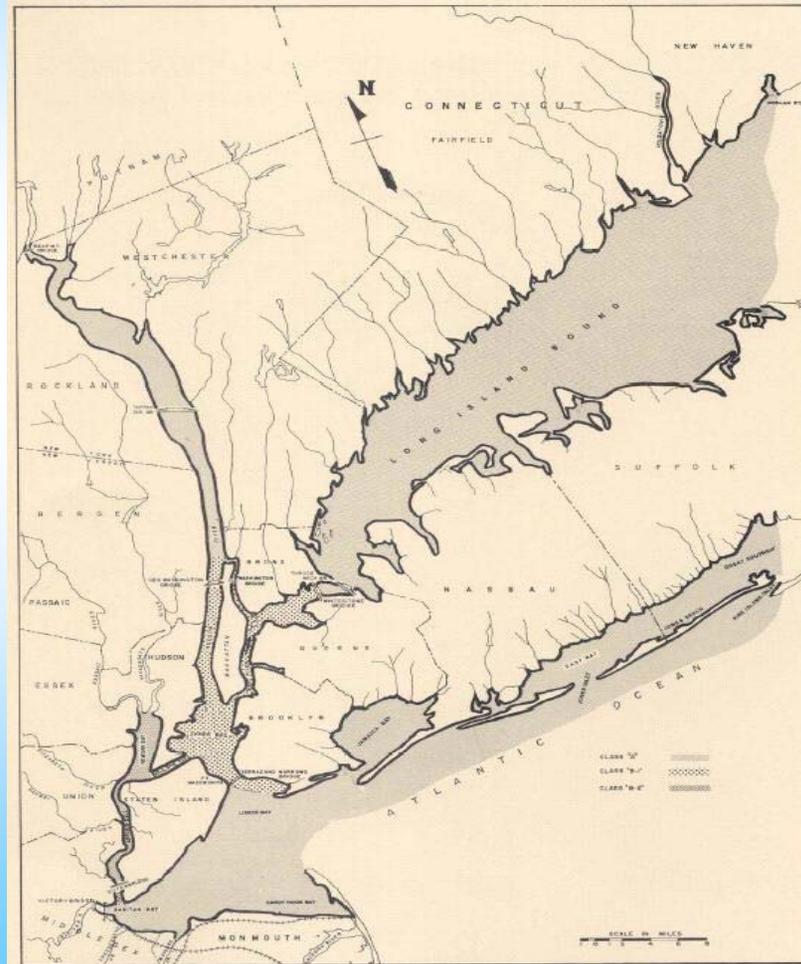


IED

- **3 STATES – NY, NJ, CT**
- **17 COUNTIES**

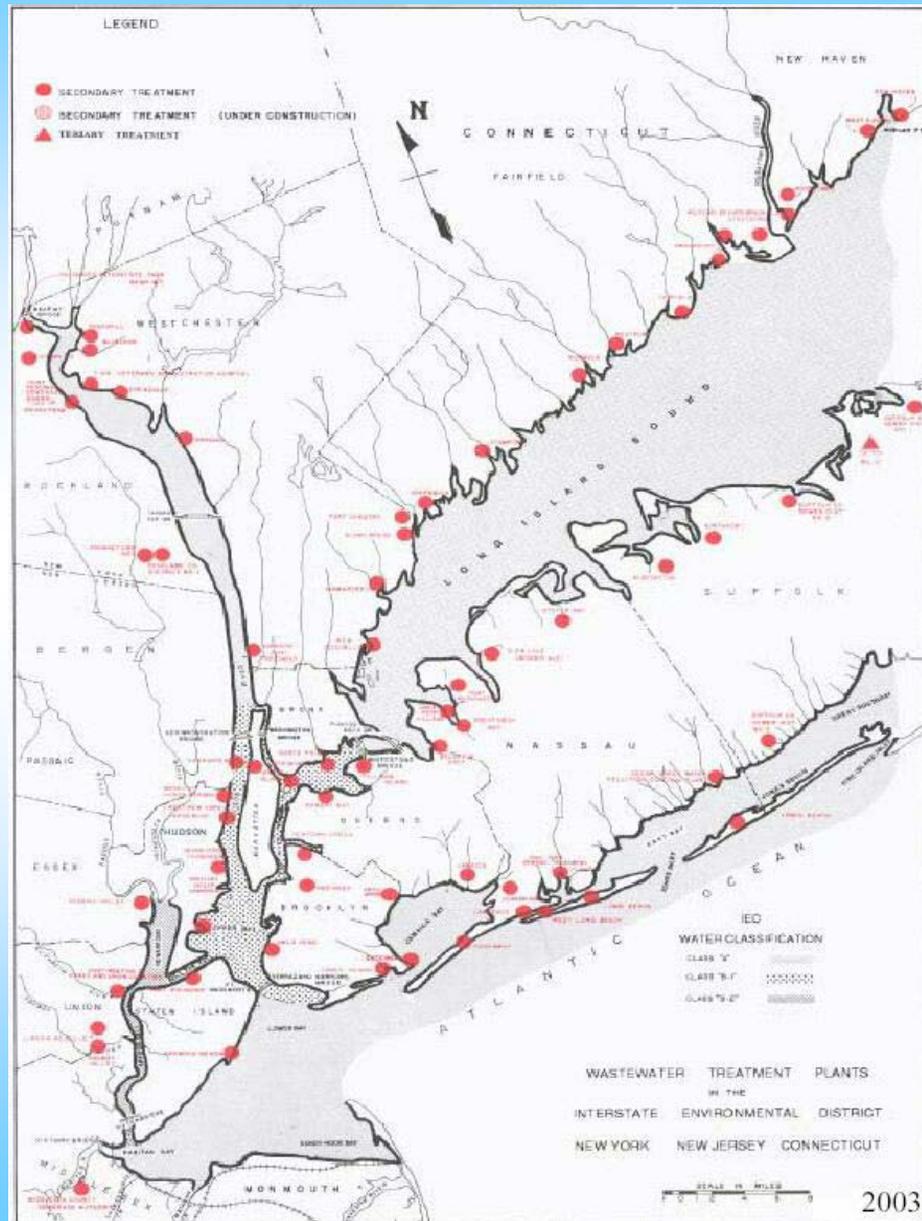
- **~ 800 mi²**

- **EPA REGIONS 1 & 2**
- **2 NEPS – HEP & LISS**



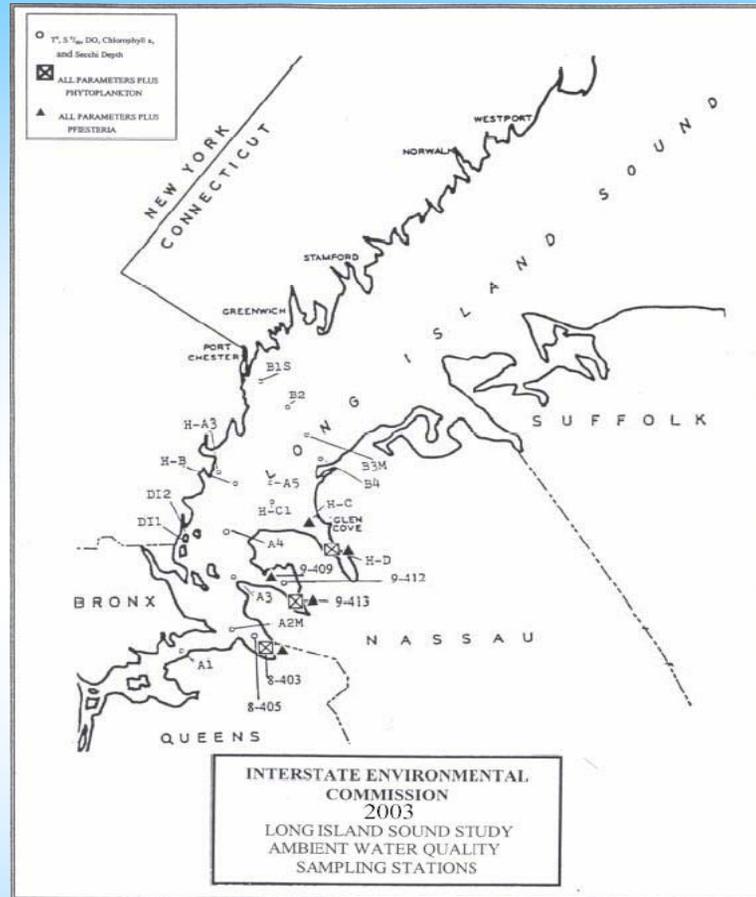
EFFLUENT MONITORING NETWORK

- **80 secondary WPCPs**
- **> 13 million people**
- **~2.5 BGD**
- **~600 CSOs**
- **Land based Sampling**
- **Check Compliance with NPDES/SPDES and IEC Water Quality Regulations**
- **Parameters: BOD, TSS, Fecal Coliform, pH**



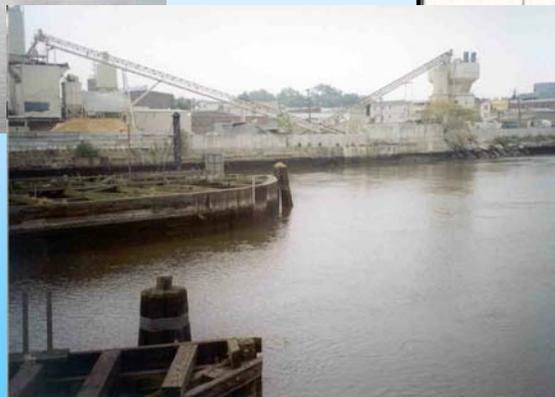
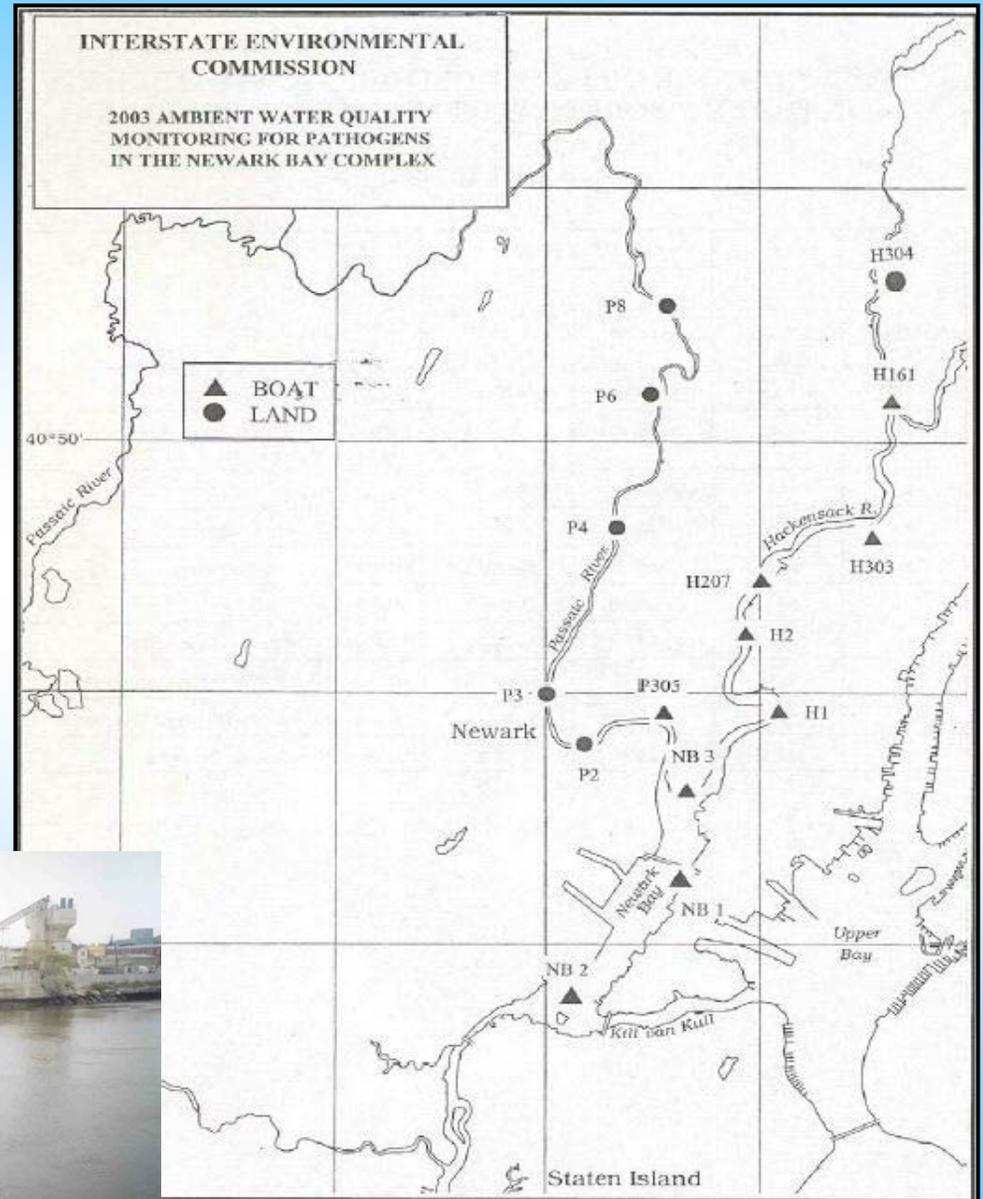
LONG ISLAND SOUND STUDY

- 1991 - 2003
- R/V *Natale Colosi*
- Hypoxia;
Immediate env'l conditions,
status & trends,
response to fish kills
- 21 Stations
- Parameters:
DO, Salinity,
Temp., Ch a,
Secchi Depth
- Cooperatives:
Phyto, Pfiesteria



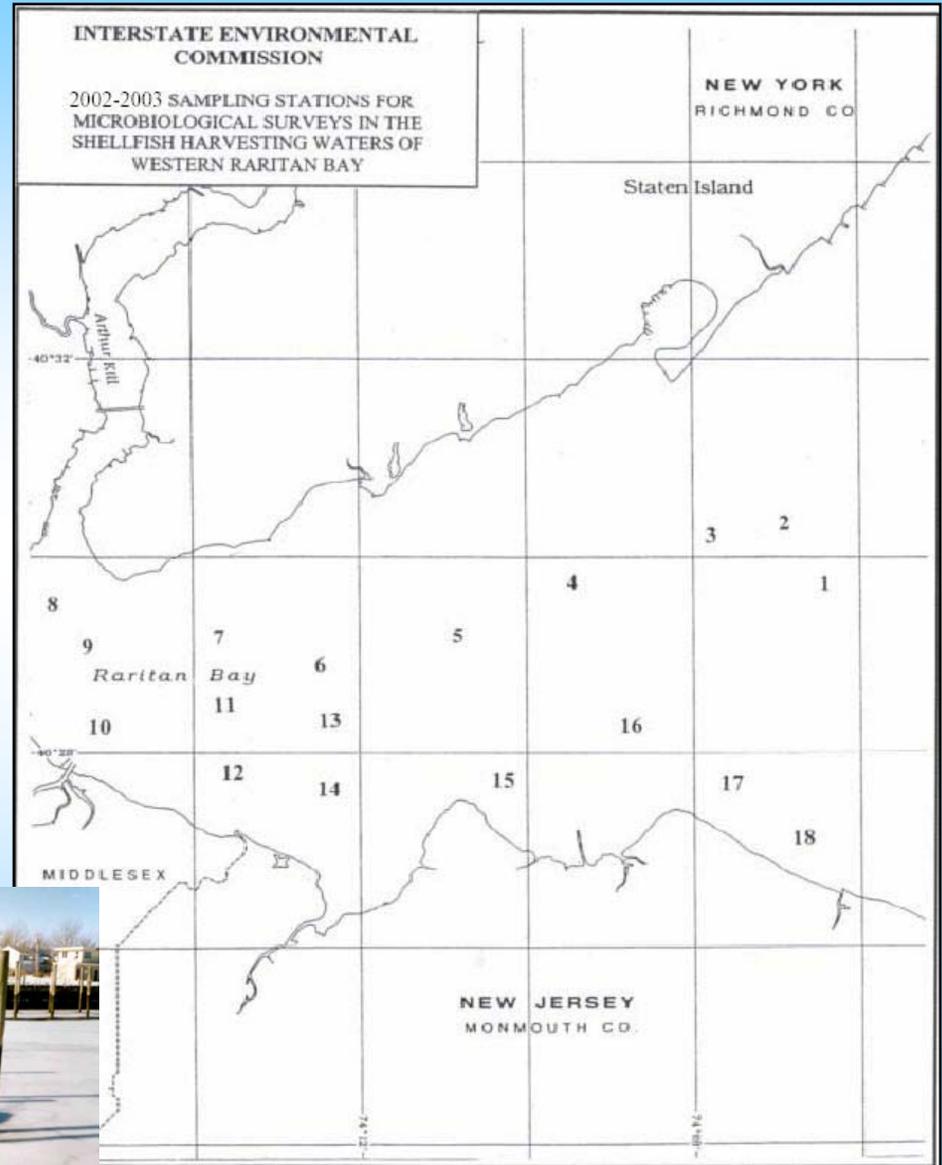
PATHOGENS IN THE NEWARK BAY COMPLEX

- *Expanded Harbor program- establish a data base*
- *Wet weather only*
- *Sea & Land-shoaling, fixed and swing bridges*
- *Parameters: Temp., Salinity, fecal and total coliforms, fecal strep, enterococcus*



SANITARY CONDITION OF SHELLFISH IN RARITAN BAY

- **1995-2004 Winter seasons**
- **Determine sanitary conditions of shellfish beds as per the US FDA NSSP**
- **R/V Natale Colosi**
- **36 Stations-> 18 stations**
- **Wet weather only**
- **Parameters: Temp., fecal and total coliforms**
- **Performance Partnership Agreement-IEC/US EPA/NJ DEP**



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