

Project C.L.E.A.N.



Kerri Anne Orloff, Amanda Rollizo, & Alisa Politano

Team B.A.S.I.C.

- **Kerri Anne Orloff**

Junior, Leon M.
Goldstein HS

- **Amanda Rollizo**

Senior, Moore
Catholic HS

- **Alisa Politano**

Senior, Brooklyn
Studio HS

Representing:

- Wildlife
Conservation Society
 - New York Aquarium
 - Girls for Planet Earth
(Bronx Zoo)
- Girl Scout Council of
Greater New York

The Big Picture...



Jamaica Bay

Jamaica Bay

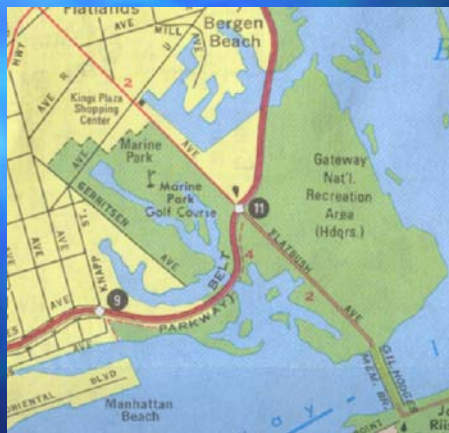
- Geographic area
- Human impact
- Wildlife habitat
- Disappearing marshes



Wildlife of Jamaica Bay



Our Field Site...



Gerritsen Creek

Gerritsen Creek

- Location
- Recreational activities
- Economic impact
- Preliminary test data
 - Temperature
 - Salinity
 - pH
 - Dissolved Oxygen
 - Coliform Bacteria



Recreational Activities



Wind Surfing



Jet Skiing



Water Skiing



Recreational Activities



Canoeing



Swimming & Boating

Economic Impact



Commercial Fishing

Waterfront Restaurant



Preliminary Test Data

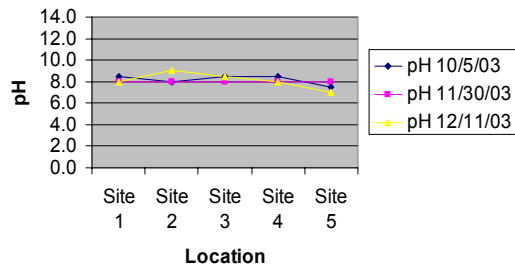
Salinity



Site 1: Environmental Center
 Site 2: The Canal
 Site 3: Charlie's Beach
 Site 4: The Point
 Site 5: Behind Amusement Center

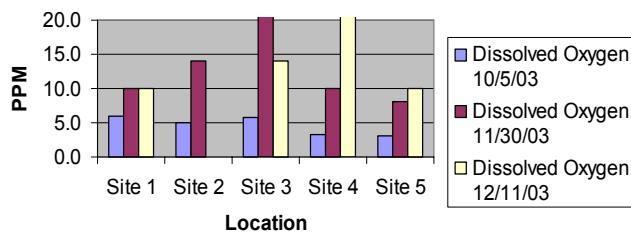
* Army Corps of Engineers
 Ecosystem Restoration
 Report (8/03) concurs with
 high salinity levels

pH Levels at Gerritsen Beach



Preliminary Test Data

Dissolved Oxygen Levels At Gerritsen Beach



Site 1: Environmental Center
 Site 2: The Canal
 Site 3: Charlie's Beach
 Site 4: The Point
 Site 5: Behind Amusement Center

The Problem

- Human impact on the environment
- White Island
- Dangerous recreation?



The Problem



Abandoned Boats



The Problem



Abandoned Cars

The Problem



The Problem



ILLEGAL DUMPING



The Problem

STORM



D
R
A
I
N
S



The Problem



Typical Storm Drain

Strategies for Public Education



- Stencil the sewers
- Create and distribute literature
 - Public access to regulatory agencies
- Hold public educational workshops
 - School Groups
 - Organized Groups
 - Civic Groups/Community Members

Strategies for Public Education



G.B. Cares Inc.,
Friends of Marine Park/Gerritsen Creek

Enforcement

- Install legible signs to:
 - Clean up after dogs
 - Alert swimmers of water conditions
 - Prohibit illegal dumping
- Petition for increased fines & reward incentives
- Routine patrols of parks by Police, Sanitation Departments, and U.S. Coast Guard

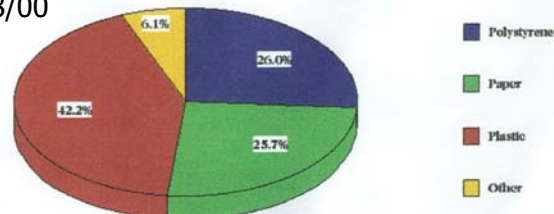


Prevention & Maintenance

- Install hoods in the sewers
- Request regular cleaning of the catch drain basins



8/00



Types of Pollution Found in Catch Drain Basins

Our Long Term Goals

- Dredge the creek
- Divert sewers into holding tanks
- Install new bulkheads at the end of each block



Divert Sewers Into Holding Tanks



New Bulk Heads...



Help Prevent Erosion!

Salt Marsh Erosion



Why We Care...



Why We Care...



Why We Care...



Why We Care...



Thank You!



Special Thanks:

Merryl Kafka, Melissa Carp, Kathleen Orloff, Stephanie Rollizo, Dan Cavanaugh, Joseph Foy & Michael Taylor (G.B. Cares), Jeanine Silversmith & The Girl Scout Council of Greater NY

- Wildlife Conservation Society
 - New York Aquarium
 - Bronx Zoo: Girls for Planet Earth

