

Snapshot Day 10/2/07 Data
(Salt Front RM 78.2)
RIVER MILE 39.5
George's Island County Park, Montrose
Latitude 41°14'N Longitude 73°56'40"W
Alethea Lynch, Heathcote Elementary School
Doris Olsen, Teatown Volunteer
74 - 4th grade students

Location: Waterfront park in Westchester County Park

Area: Shoreline is rocky with brick pieces

Surrounding Land Use: Park picnic area & boat launch

Sampling Site: Banks altered by people:

Native American oyster shell piles (middens)

Brick factory dumped bricks – changed the area from an island to a peninsula

Cabins built and torn down

Bulkhead with wooden timber

Boat launch with 2 docks

Plants in area: none listed

Water depth:

River Bottom – muddy & rocky

Pollution Evidence: litter on land, ships in water, factories on opposite shore pollute air

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature				
Wind Speed				
Cloud Cover				
Weather today				
Weather recently				
<i>Water Temperature</i>	10:45 AM	18°C		
	11:15 AM	20°C		
	11:50 AM	20°C		
	12:20 AM	22°C		
<i>Turbidity</i>				
<i>Chlorophyll</i>	10:30 AM	1.0-2.0	Average to 1.5	
<i>Chemical</i>				
DO (drop count kit)	12:20 PM	22°C	8.0 mg/L	92% saturated
pH indicator solution	12:20 PM	7 8 7.5		7.5 average

Phosphate				
Nitrate				
Alkalinity				
Salinity • method is difficult in brackish to fresh sections	12:20 PM	0 ppt		hydrometer
<i>Fish Catch</i>	<i>Number Caught</i>	<i>Species</i>	<i>Size</i>	
	2	Striped Bass		
	18	Atlantic Silversides		
<i>e</i>	3	Blue Crab		
	1	Barnacle		
	50 plus	scuds		
<i>Tides</i>	9:17 AM	55 cm	Rising	
	10:40 AM	64 mc	Rising	
	11:39 AM	97 cm	Rising	
	12:17 PM	118 cm	Rising	
	12:47 PM	131 cm	Rising	
	1:08 PM	138 cm	Rising	
	1:18 PM	142 cm	Rising	
<i>Currents</i>				
<i>Traffic</i>	10:04 AM	Empty barge with tug		Southbound
	10:04 AM	Commander – commercial tour boat		Northbound
	10:15 AM	Empty barge with tug	Red/Black	South
	10:19 AM	Train on west bank		North
	11:45 AM	Barge with tug	Black	North/full
	11:50 AM	Barge with tug	Green	North/empty
	10 pleasure boats			
<i>Other Items</i>	1	Osprey		
	14	Geese		