

Snapshot Day 10/12/06 Data
(Salt Front RM 52.5)
RIVER MILE 92
Kingston Point Park, Kingston
GPS Latitude 41° 55.64 N Longitude 73° 57.80 W
Steve & Julie Noble, Forsythe Nature Center
Victor Melendez, Scenic Hudson
Jolene Johnson, Scenic Hudson
John F. Kennedy Middle School 5th grade



Location: Forested area, park

Area: Used for picnics, boating, fishing

Surrounding Land Use:

Group 1: 25% Forested; 45% picnic area; 30% water

Group 2: 75% grassy; 5% picnics; 5% fishing; 15% beach

Group 3: 30% forested, 70% park

Sampling Site: shoreline is rocky and muddy, banks are altered, riprap and wooden bulkhead; piping entering the river

Plants in area: Spadderdock covering 50% of area

Water depth: 9 inches

River Bottom : rocky bottom

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	11:18 AM	23°C 77°F		
	12:10 AM	25°C 80°F	25°C	
	1:08 PM	21°C 78°F		
Wind Speed	3 on beaufort	South	Calm water	

Cloud Cover	overcast	rainy		
Weather today	Partly cloudy			
Weather recently	Mon. warm and sunny, Tues. cloudy and warm, Wed. cool and rain last night			
Water Temperature	11:50 AM	20°C 62 °F	1:11 PM	20°C 62 °F
Turbidity Site tube	11:15 AM	20 JTU		
	12:10 PM	20 cm		
Chlorophyll Chemical	11:05 AM	0.3	0.5	
DO (ampules)	11:16 AM	8.0 mg/L 10 mg/L	20°C	86% saturated 108% saturated
	12:09 PM	8.0 mg/L 10 mg/L	20°C	86% saturated 108% saturated
	1:06 PM	10 mg/L	20°C	108% saturated
pH	11:10 AM	7.2	7.2	meter
	12:20 PM	7.1		
	1:15 PM	6.8	7.2	
Phosphate	11:16 AM	0.1 ppm	0.1 ppm	
	1:06 PM	0.1 ppm		
<i>chemets</i>	1:25 PM	0.2 ppm	0.2 ppm	
Nitrate	11:16 AM	0.2ppm	0.2ppm	
<i>chemets</i>	1:06 PM	0.1 ppm		
	1:25 PM	0.1 ppm	0.2 ppm	
Alkalinity				
Salinity				
Fish Catch <i>28'seineX35' pull</i>	Number Caught	Species	CPUE	Seine
	2 (6.5 in)	Bluegill Sunfish		Group 1
	2 (3.5 in)	Shiner		
	2 (5.2 in)	Sunfish		Group 2
	1	Shiner		
	1	Banded killifish		Group 3
	1	Bluegill Sunfish		
	1	sunfish		
Tides- Group 1	10:41 AM	5.5 inches		
	11:07 AM	3 inches	Falling	

Group 2	11:42 AM	9 inches		
	12:15 PM	6.5 inches	Falling	
Group 3	1:00 PM	12 inches		
	1:14 PM	13 inches	Rising	
<i>Currents</i>	10:47 AM	ebb		
	11:45 AM	ebb		
	1:03 PM	flood		
<i>Traffic</i>	12:30 PM	Barge	Southbound	
	12:45 PM	Barge	Southbound	
	12:45 PM	Tugboat	Southbound	
<i>Other Items</i>	Pollution items	Plastic, foil, glass bottles, shoe, glass, lighter, oil from factory, trash, animal waste		
	Three recreational boats	10:30, 10:37 and 10:40 speedboats on the river		
	Three additional recreational boats	11:40 AM Sailboat South 11:55 AM Motorboat South Noon kayak heading north		
<i>Core</i>				