

Snapshot Day 10/14/10 Data
(Salt Front RM 36)
RIVER MILE 76
Waryas Park, Poughkeepsie, Dutchess County
Lisa DiMarzo, Mid-Hudson Children's Museum
Jon Sokol, Sheafe Road Elementary School 4th grade 80 students
N 41 – W 73

Location: Near the pavilion structure just south of the Fall Kill mouth at Waryas Park. Sampling taken off the riprap.

Area: public park, forested, open grassy, parking lot, beach area

Surrounding Land Use: 60 % urban/residential; 20% Industrial/commercial; 20% recreational park

Sampling Site: shoreline is riprap, shore bulkheaded, piping entering the river

Plants in area: ~ 30% of area has plants in the water.

Tidal Shallows: Water celery 80%

Water depth: 3 ft.

River Bottom –beyond rocks, muddy bottom speckled with debris – tires, slabs of concrete, rip rap rocks that are further out in the water than they should be

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	10:00AM	8.9°C 48 °F	12:32 PM	16.7°C 62 °F
	11:00 AM	14.44°C 58 °F	2:00 PM	17.2°C 63 °F
Wind Speed	2 Beaufort			
Cloud Cover	Partly cloudy	No rain		
Water	Calm			
Weather recently	The day before – Wed., 10/7/09, was extremely windy			
<i>Water</i>	calm			
<i>Water Temperature</i>	12:32 PM	62°F 17°C	62°F 17°C	
	1:00 PM	64°F 18°C	64°F 18°C	
<i>Turbidity</i>	11:35 AM	40 JTU 40 JTU		
<i>Chlorophyll</i>	10:30 AM	0.3		
<i>Chemical</i>				
DO (Test tabs)	2:00 PM	9 mg/L	18°C	95% saturated
pH – indicator solution	11:40 AM	7.0 X 3		7.0 average
Salinity - Quantab testtabs- low chloride	11:40AM	0		Strips may have been contaminated

<i>Fish Catch 30 ft X 4 X 10 ft pull –</i>	<i>Number Caught</i>	<i>Species</i>	<i>Largest</i>	<i>4 seines in total</i>
1 st pull - 12:30 PM	9	Spottail shiner	2 inch	
	1	Lg.Mouth bass	4 inch	
	4	Bluegill Sunfish	2 inch	
	6	Pumpkinseed Sunfish	3 inch	
	1	Smallmouth bass	3 inch	
	2	Eel	5 inch	
2 nd Seine – 12:45 PM	2	Bluegill Sunfish	1 inch	
	2	Pumpkinseed sunfish	3 inch	
	10	Spottail shiner	2 inch	
3 rd pull – 1:00 PM	2	Bluegill Sunny	2 inch	
	1	Pumpkinseed	1 inch	
	1	Smallmouth bass	3 inch	
	3	Spottail shiner	2 inch	
	1	Eeel	4 inch	
	1	Blue Claw Crab	1 inch	
4 th pull – 1:15 PM	2	Bluegill sunny	1 inch	
	3	Banded Killi	2.5 inch	
	5	Spottail Shiner	2 inch	
	3	Striped Bass	3.5 inch	
	5	Blue Claw Crab	1 inch	
<i>Tides</i>	10:30 AM	Falling		
	11:30 AM	Unchanged		
	1:00 PM	Rising		
	2:30 PM	Rising		
<i>Currents</i>	Sampling site is at the confluence of the Fall Kill and the Hudson River.			
10:00 AM	400cm/60 sec	6.6 cm/sec	0.13 kts.	South/Ebb
11:00 AM	100cm/60	1.7 cm/sec	0.03 kts	South/ebb
12:30 PM				Flood
2:00 PM	800 cm	13.3 cm/sec	0.26 kts	Flood