

**Snapshot Day 10/18/11 Data
(Salt Front RM 35.7)**

RIVER MILE 76

**Waryas Park, Poughkeepsie, Dutchess County
Lisa DiMarzo, Mid-Hudson Children's Museum
Jon Sokol, Sheafe Road Elementary School 4th grade 90 students
N 41 42' 31.1" – W 73 56' 20.8"**

Location: North end of Waryas park, 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: Vallisneria –(Water celery) 30%

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	11:00 AM	16.67°C 62 °F		
	12:30 PM	20.6°C 69 °F		
Wind Speed	4-7 mph			
Cloud Cover	Partly cloudy	No rain		
Weather recently				
<i>Water</i>	calm			
<i>Water Temperature</i>	Not tested			
<i>Turbidity</i>	Not tested			
<i>Chlorophyll</i>	10:28AM	0.1		
<i>Chemical</i>				
DO (Test tabs)	not tested			
pH – indicator solution	10:28 AM	7.0 X 3		7.0 average
Salinity - Quantab testtabs- low chloride	10:28 AM	32 ppm Cl- 32 ppm 32 ppm		Converts to 57.81 ppm total salinity
<i>Fish Catch</i> <i>30 ft X 4 purse in middle X 10 ft pull</i>	<i>Number Caught</i>	<i>Species</i>	<i>Largest</i>	<i>2 seines in total 10:10 and 10:35 AM</i>

<i>Eel Pot</i>	2	Spottail shiner	3 inch	
	1	Sunfish	0.5 inch	
	2	Eel	18 inch	
	1	Yellow Perch	9 inch	
	2	Striped Bass	7 inch	
	40	Herring	2 inch	
<i>Tides</i>	11:00 AM	Falling		
	11:37AM	Falling		
	12:05 PM	Rising		
	12:30 PM	Rising		
<i>Currents</i>	11:00 AM	Still		
	11:307AM	Flood		
	12:05 PM	Ebb		
	12:30 PM	Flood		
<i>Other Observations</i>	Geese, kayaks, big tree (45') fallen into the river from recent storms, speed boat, waves, gulls, sand bar disappearing.			
<i>Almanac Entry</i>	Kids (and adults from previous years) definitely noticed the debris/pollution along the shore. The 45' tree was hard to miss too – all evidence of Irene/Lee and heavy rains since! Our fish sampling showed diversity - very exciting to see striped bass, yellow perch, spot tail shiner, herring galore and two nice sized eels from the eel pot! Observing the orange flowing with the current was a surprise to most students! Lot's of fun!			