

**Snapshot Day 10/18/11 Data
(Salt Front RM 35.7)
RIVER MILE 76**

**Waryas Park, Poughkeepsie, Dutchess County
Laurel Walker, HRNERR Intern**

**Jacob Lawrence, & Maribel Pregnall, Arlington High School, 9-12th grade, 42 students
N 41°42' – W 73°57'**

Location: Waryas Park, Poughkeepsie, New York.

Area: public park, pier, grassy, parking lot. Park used for fishing, small boat launch, another pier for small boat launching

Surrounding Land Use: 40 % urban/residential; 20% Industrial/commercial; 40% park area with grass and waterfront docks

Sampling Site: shoreline is riprap, vegetation, banks altered, pier

Plants in area: Yes – small percentage

Tidal Shallows:

Water depth: 3 meters

River Bottom –muddy

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	10:30 AM	60°F		
Wind Speed		South	Gentle wind, small gusts	
Cloud Cover	Partly cloudy	No rain		
Water	Calm			
Weather recently	mid 60s , rain on and off			
<i>Water Temperature</i>	9:26 AM	15.8°C		
	10:00 AM	15.8°C		
	10:50 AM	15.8°C		
<i>Turbidity</i>	10:00 AM	35 cm		
<i>Chlorophyll</i>	9:30 AM	0.6		
	10:30 AM	1.0		
	10:50 AM	1.5		
<i>Chemical</i>				
DO (Test kit LaMotte)	9:25 AM- 12:00	15.8°C	8.0 ppm	80%
pH – indicator solution	<i>Time</i>	<i>Colorimeter</i>		
	9:35 AM – 12:00	7.7		
Salinity - <i>Quantab</i> testtabs- low	9:35 AM - noon		29 ppm chloride	52.39 total salinity

Conductivity	9:35 AM - noon	Millisiemens 225 average		
Fish Catch – 25 feet, 0.7 cm diameter mesh	Number Caught	Species	Largest	
9:30-noon	8	Spottail Shiner		
	7	Pumpkin Seed Sunfish		
	1	White Perch	5 inches	
	12	Herring		
	2*	Banded Killifish	*1 from fykenet in Fallkill	
	1	Silverside		
	1	Bluegill		
Tides	9:26 AM	46 cm	falling	
	10:05AM	42 cm	Falling	
	10:30 AM	40 cm	Falling	
	11:56 AM	47 cm	Rising	
	12:33 PM	58 cm	Rising	
Currents	9:26 AM	22.7 cm/sec	South	ebb
	10:35 AM	22.2 cm/sec	South	ebb
	11:56 AM	4.4 cm/sec	North	flood
	12:35 PM	20.4 cm/ sec	North	flood
Core	Length of Core	Rare	Common	Abundant