

**Snapshot Day 10/14/10 Data**  
**(Salt Front RM 36)**  
**RIVER MILE 76**  
**Waryas Park, Poughkeepsie, Dutchess County**  
**Nina, Clearwater**  
**Jacob Lawrence, Arlington High School, 11-12<sup>th</sup> grade, 5 students**  
**N 41 – W 73**

**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:** 50 % urban/residential; 35% Industrial/commercial; 15% forested

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

**Plants in area:** ~ 25% urban/residential, 50% forested, 25% industrial/commercial.

**Tidal Shallows:** Water celery 80%, Water Milfoil 10%

**Water depth:** 67 cm.

**River Bottom** –muddy, rocky

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	12:50 PM	18.4°C		
Wind Speed		South		
Cloud Cover	Partly cloudy to mostly cloudy	No rain		
Water	Calm			
Weather recently	mid 60s , rain on and off			
<i>Water Temperature</i>	1:05 PM	15.1°C 15.2 15.2	59.2 °F 59.3 59.36	Surface temp.
	1:05 PM	15.1°C 15.1 15.2	59.2 °F 59.3	1 meter
	1:05 PM	15.2°C	59.3 °F	2 meter
<i>Turbidity</i>	11:15 AM	43 cm 43 cm		
<i>Chlorophyll</i>	11:24 AM	1.0		
<i>Chemical</i>				
DO (Test tabs)	10:30 AM	15.1°C	9.0 ppm	87%
	11:30 AM	16.1°C	7 ppm	70%
pH – indicator solution	<i>Time</i>	<i>Colorimeter</i>	<i>Meter</i>	

	11:10 AM	7.5 7.5	7.36 7.4	
	12:55 AM	7.5 7.5	7.5 7.26	
Salinity - <i>Quantab</i> testtabs- low chloride	11:30 Am	Scale of strip is 1.0 = 28 ppm	Strip reads 0.8, 0.8, 0.8 results <28 ppm chloride	<35 ppm salinity
<i>Conductivity</i>	11:30 AM	Millisiemens 185.9 186.2 181.9 234.5		
<i>Fish Catch</i>	<i>Number Caught</i>	<i>Species</i>	<i>Largest</i>	
Noon	3	Spottail Shiner		<b>Total 4 Species 2</b>
	1	Pumpkin Seed Sunfish		
12:45 PM	5	Spottail Shiner		<b>Total 10 Species 4</b>
	3	Pumpkin Seed Sunfish		
	1	Juvenile Striped Bass		
	1	Bullhead Catfish		
<i>Tides</i>	10:26 AM	67 cm		
	11:10 AM	66 cm	Falling	
	12:26 AM	57 cm	Falling	
<i>Currents</i>	10:30 AM	1980 cm/60 secs	33 cm/sec	ebb
	11:10 AM	1424 cm/60 secs	23.73 cm/sec	ebb
	12:20 PM	1170 cm/60 secs	19.5 cm/sec	ebb
	12:45 PM	15 cm/60 secs	0.25 cm/sec	Almost Still!
<i>Core</i>	<b>Length of Core</b>	<b>Rare</b>	<b>Common</b>	<b>Abundant</b>
	2.5 inches	Clay Sand Oyster Shells	Mud	Gravel Pebbles