

**Snapshot Day 10/14/10 Data**  
**(Salt Front RM 36)**  
**RIVER MILE 96.5**  
**Ulster Landing State Park, Town of Ulster, Ulster Co.**  
**Latitude 42°N, Longitude 73°56'W**  
**Lia Harris, Cary Institute of Ecosystem Studies**  
**Dixon Onderdonk, Kingston High School 11/12<sup>th</sup> graders – 13 students**



**Location:** Swimming beach, Ulster Landing Park, Town of Ulster, Ulster County  
**Area:** fishing, swimming beach, has a building with restrooms  
**Surrounding Land Use:** Beach 50%; Forested area 50%  
**Sampling Site:** beach, altered bank with concrete bulkhead, wood debris driftwood, drainage from bulkhead north of site immediately, flotsam and jetsam in the water  
**Plants in area:** yes  
**Water depth:** 3- 4 ft.  
**River Bottom :** sandy, and little muddy bottom  
**Plants:** few plants - duckweed

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	10:35 AM	17°C 64 °F		
Wind Speed	1 Beaufort	1-3 kts.	1-3 mph	
Cloud Cover	partly cloudy	No rain		
Weather today	Clearing in morning but clouding up around 1PM			
Weather recently	last 2 days clear, heavy rain 3 nights prior			
<i>Water Temperature</i>	9:10 AM	11.6°C	53.2°F	11.9°C
		12.3	54	53.5°F
	10:32 AM	15.6°C	60°F	15.6°C

		15.6	60	60°F			
	12:45 PM	21.1°C 21.1	70°F 70	21.1°C 70°F			
<b>Water Surface</b>	Choppy due to wind						
<b>Turbidity turbidimeter</b>	10:27 AM	24.9 NTU 24.0 23.3		24.1 NTU			
<b>Chlorophyll</b>	12:06 PM	1.0					
<b>Chemical</b>							
DO – 3 readings *(Hach 840 colorimeter 16.5ppm); chemet 11ppm and 9 ppm	10:30 AM	12.2 mg/L *(average of 3 tests)	11.9°C	110% saturated			
(Hach DR-890)	10:09 AM	9 mg/L	16°C				
pH	10:08 AM	7.3 7.0	7.15 average	Indicator sol.			
	10:08 AM	6.77		meter			
Phosphate	10:55AM	2.75 ppm 2.27 ppm		2.46 ppm average			
Nitrate -	10:20 AM	3.8 ppm 3.2 3.5		3.75 ppm (fairly high reading)			
Alkalinity	9:18 AM	80 mg/L 80 mg/L		80 mg/L			
Salinity – titration	10:34 AM	80ppm					
Quantabs	10:34 AM	28 ppm 28 ppm 45-3?? ppm	28 ppm Cl	35 ppm salinity			
<b>Fish Catch</b> 27.5' seine X 3.5 X 1/8 inch mesh	<b>Number Caught per seine</b>					<b>Species – 8 total</b>	<b>Length of largest</b>
	#1	#2	#3	#4	#5		
11:15-1:15 PM- 5 seines			4			Pumpkinseed	12 cm (total 4)
Pull 50 ft.	30	20	11	16	2	Spottail Shiner	13 cm (total 79)
					2	Bluegill	(total 2)
	1		1			Banded Killifish	5 cm (total 2)
	23	21	1	3	1	White Perch	13 cm

	23	21	1	3	1	White Perch	13 cm (total 49)
		1				Golden Shiner	12 cm (Total 1)
		1				Striped Bass	11.5 cm (total 1)
		1				Tessellated Darter	5 cm (total 1)
					1	Largemouth Bass	40 cm (total 1)
	1		4		4	Scud	(total 9)
	4				5	Blue Crab	(total 9)
<b>TOTALS</b>	<b>34</b>	<b>44</b>	<b>17</b>	<b>19</b>	<b>6</b>		
<b>CPUE</b>	<b>0.16</b>	<b>0.2</b>	<b>0.08</b>	<b>0.09</b>	<b>0.2</b>		
<b>Pull</b>	<b>Time</b>			<b>Catch</b>		<b>CPUE</b>	<b>PULL</b>
<b>Tides</b>	9:14 AM			Set stick			
	9:44 AM			Falling		74 cm away from stick	2.1 cm/min
	10:15 AM			Falling		1.2 m	9.3 cm/min
	10:44 Am			Falling		2.1 m	3.3 cm/min
	11:14 AM			Falling		3.1 m	3.4 cm/min
<b>Currents</b> 9:25 AM	393 cm/60 secs			6.5 cm/sec.		0.12 knots	North Ebb but windy
9:40 AM	393 cm/60 secs			6.5 cm/sec		0.12 knots	North Ebb but windy
<b>Traffic</b>	9:45 AM			Sailboat			South
	9:58 AM			Cruise ship			South
	11:20 AM			Barge/tug		empty	North
<b>Other Items</b>	Kayak, speedboats and small sailboats						
<b>Core</b>	<b>Length</b>			<b>Top</b>		<b>Bottom</b>	
	16.3 cm			6.3 cm top		10 cm bottom	Mostly sand and clay with brick fragment in