

**Snapshot Day 10/18/11 Data**  
**(Salt Front RM 35.7)**  
**RIVER MILE 97**  
**Ulster Landing State Park, Town of Ulster, Ulster Co.**  
**Latitude 42°N, Longitude 73°56'W**  
**Celia Cuomo, Cary Institute of Ecosystem Studies**  
**Dixon Onderdonk, Kingston High School 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 2%; Forested area 90%; parkland with grass and picnic area 8%  
**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 ft.  
**River Bottom :** sandy  
**Plants:** no plants

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	9:11 AM	14°C 57 °F	12:15 PM	17.8°C 64 °F
Wind Speed	2 Beaufort SE	5 kts.		
Cloud Cover	mostly cloudy	Sprinkles early in the day but not during sampling		
Weather today	Clearing in morning but clouding up around 1PM			
Weather recently	Rain showers 3 days prior, very windy as well, showers in AM			

	and PM but mainly dry			
<b>Water Temperature</b>	9:12 AM	15°C 15 14	59°F 59 57.2	14.6°C 58.4°F
	10:12 AM	16°C 15 16		15.6°C
	11:03 AM	16°C 16 16		16°C
<b>Water Surface</b>	Choppy due to wind			
<b>Turbidity turbidimeter</b>	10:00 AM	21.6 NTU 21.8 21.7		21.7 NTU
<b>Chlorophyll</b>	10:00 AM	0.6		
<b>Chemical</b>				
DO –	9:51 AM	14.6 mg/L	15°C	140% saturated
	11:15 AM	9.8 mg/L	16°C	100%
pH	9:00 AM	7.8		Indicator sol.
Phosphate	10:07AM	0.20 ppm 0.28 ppm		0.24 ppm average
Nitrate -	10:30 AM	0.4 ppm 0.4		0.4 ppm
Alkalinity	10:00 AM	22.5 mg/L 20 mg/L		21.3 mg/L
Salinity – test strips	10:24 AM	19 17	18 ppm Cl-	32.52 total salinity
<b>Fish Catch</b> 27.5' seine X 3.5 X 1/8 inch mesh	<b>Species</b>	<b>Number</b>	<b>Length of largest</b>	<b>Seine #</b>
<b>11:30 -12:40 PM</b>	Spottail Shiner	7	12.5	<b>1</b>
	Pumpkinseed	1	14	
	Golden Shiner	2	6.5	
	White Perch	1	8.5	
	Spottail Shiner	8	12.2	<b>2</b>
	Golden Shiner	3	6	
	Tessellated Darter	1	8	
	Golden Shiner	12		<b>3</b>
	Spottail Shiner	10		

	Striped Bass	1	3	
<b>Plankton</b>	Copepods	Ostracods	Amphipods	Water Mites
<b>Seine 1</b>	11:30 AM	Catch 11	Length 25	CPUE 0.053
<b>Seine 2</b>	12:00 PM	Catch 12	Length 25	CPUE 0.057
<b>Seine 3</b>	12:15 PM	Catch 23	Length 25	CPUE 0.11
<b>Pull</b>	<b>Time</b>	<b>Catch</b>	<b>CPUE</b>	<b>PULL</b>
<b>Tides</b>	9:07 AM	5 cm deep		
	9:22 AM	Falling	73 cm away from stick	
	11:13 AM	Falling	196 cm away from stick	
<b>Currents</b> 9:15 AM		5.5 cm/sec.	0.1 knots	North Ebb
<b>Traffic</b>	9:02 AM	US Coastguard	Light	South
	9:06 AM	Zeitgeist	Light	North
	9:32 AM	US Coastguard	Light	South
	10:47 AM	Tina Theodore	Light	South
	11:51 AM	Barge	Loaded	North
<b>Other Items</b>	Flock or Cormorants; female immature bald eagle, herring gulls, Canada Geese, Sharp shin hawk, blue jays, crows, chipmunk and one single bee			
<b>Core</b>	<b>Length</b>	<b>Rare</b>	<b>Abundant</b>	
<b>Taken at edge of river during ebb tide</b>	21.5 cm	Clay, Brick	Sand	
<b>Almanac Entry</b>	A cloudy and breezy morning gave way to a warming sunshine by noon as Kingston HS students exalted in their monitoring tasks. Surprisingly there was extensive mud showing up in each seine pull forcing the catch (Mostly shiners) to struggle in the muck. This is a new phenomenon for this site which is dominated by silt and sand. The day was highlighted by a juvenile bald eagle flying north and a migrating sharp-shinned hawk migrating south. Local Cormorants, Canada Geese and Herring Gulls made their appearance over the course of our "Day in the Life" investigation. New experiences for most of the students who proclaimed it an 'excellent day'!			