

Snapshot Day 10/2/07 Data
(Salt Front RM 78.2)
RIVER MILE 96.5
Ulster Landing State Park, Town of Ulster, Ulster Co.
Latitude 42°N, Longitude 73°56'W
Lia Tutschka of Institute of Ecosystem Studies
Dixon Onderdonk, Kingston High School 12th graders – 14 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 20%, Other 30%
Sampling Site: beach, altered bank with bulkhead with metal plates holding shore in place, some rip rap, driftwood, 12 inch diameter Piping entering the river.
Plants in area:
Water depth:
River Bottom : sandy bottom

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	9:22 AM	15°C 60 °F		
Wind Speed	4-6 on beaufort	S		
Cloud Cover	Mostly cloudy	No rain		
Weather today				
Weather recently	Clear and warm			
<i>Water Temperature</i>	9:01AM	19°C 66.2 °F		
<i>Water Calm</i>	1:00 PM	22°C 71.6 °F		
<i>Turbidity turbidimeter</i>	10:25 AM	6.09 NTU	6.27 NTU	5.26 NTU
<i>Chlorophyll</i>	10:00	0.0		
<i>Chemical</i>				
DO (Hach DR-890)	9:50 AM	8.9 mg/L	20°C	96% saturated
Titration		9.0 mg/L		
Chemets		9.0 mg/L		
pH	10:00 AM	7.5	7.5	Indicator sol.
	10:00 AM	7		Litmus paper
Phosphate	10:00AM	0.42 mg/L		

Nitrate	10:00AM	0.8 mg/L		
Alkalinity	10:00 AM	134 mg/L		
Salinity	10:15 AM	40 ppm		Drop count test kit
<i>Fish Catch</i> <i>27.5' seine X 1/18 inch mesh</i>	<i>Number Caught</i>	<i>Species</i>	<i>Length of largest</i>	<i>Seine</i>
419 meters pulled	2	American Eel	23 cm	
	14	Spottail Shiner	9.5 cm	
	15	Striped Bass	7.5 cm	
	1	Banded Killifish	8 cm	
	26	White Perch	12.5 cm	
	2	Blue Crab	4 cm	
	28	Herring	7 cm	
	15	Hog choker	6.5 cm	
	7	Tesselated Darter	8 cm	
Seine #1	11:10 AM	31 fish	0.07	50 ft. pull
Seine #2	11:30 Am	49 fish	0.12	50 ft. pull
Seine #3	12:15 PM	26 fish	0.06	50 ft. pull
<i>Tides</i>	8:57 AM	0 cm		
	9:13 AM	80.5 cm	falling	
	10:21 AM	88 cm	falling	
<i>Currents</i>	20.5 cm/60 secs	0.341 cm/sec.	0.41 knots/N	Ebb
<i>Traffic</i>	9:02 AM	Large Yacht	Southbound	
	9:56 AM	tugboat	Northbound	Black/white barge
	12:11 Am	Barge (loaded?)	Northbound	B/W/Red
<i>Other Items</i>				
<i>Core</i>	20 cm total	10 cm top sandy top layer		10 cm bottom siltier lower layer
	Abundant - sand	Common – Mud & brick		Rare - clay