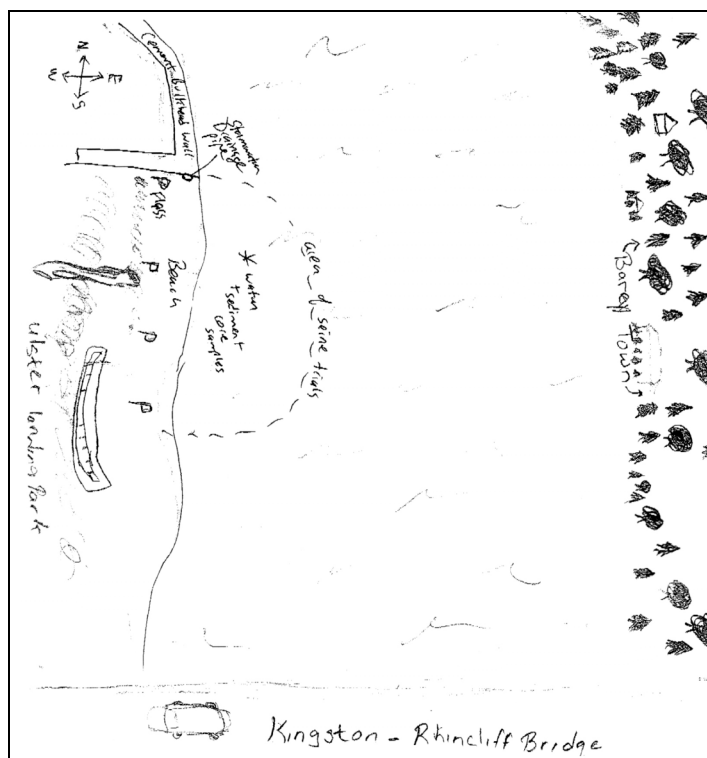


**Snapshot Day 10/8/09 Data
(Salt Front RM 60.3)
RIVER MILE 96.5**

**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 11/12th graders – 12 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 40%; Forested area 45%, Industrial/Commercial 15%

Sampling Site: beach, altered bank with concrete bulkhead, wood debris driftwood, drainage from bulkhead north of site immediately

Plants in area: yes

Water depth: 3 ft.

River Bottom : sandy, muddy bottom

Plants: Tidal flats – 49% water chestnut; 49% water celery; 2% water milfoil

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	9:45 AM	10.56°C 51 °F		
Wind Speed	2 Beaufort	4 kts.	East	

Cloud Cover	partly cloudy	No rain		
Weather today				
Weather recently	Few showers and wind			
Water Temperature	9:05AM	15°C 15 15	59°F 59 61	15°C 59°F
	10:10 AM	16°C 17 16	63°F 61 63	17°C 69°F
	11:40 AM	19°C 19 19	66°F 66 66	15°C 66°F
Water Surface	calm			
Turbidity turbidimeter	10:35 AM	61 NTU 60.2 60.5		60.6 NTU
Chlorophyll Chemical	10:17 AM	1.0		
DO - meter	10:09AM	8.6 mg/L	16°C	85% saturated
(Hach DR-890)	10:09 AM	9 mg/L	16°C	
pH	10:20 AM	7 8 6.5	7.17	Indicator sol.
	10:00 AM	8.01 7.94 8.0	8.0	meter
Phosphate	10:30AM	2.75 ppm 2.75 ppm 2.75 ppm		2.75 ppm
Nitrate -	10:18 AM	0.5 ppm		0.17 ppm
Alkalinity	10:18 AM	164 mg/L 116mg/L 88 mg/L		122.7 mg/L
Salinity – drop count test kit	12:00 PM	40 ppm 48 ppm 41 ppm		43 ppm
	12:00 PM	39 ppm 28 ppm 32 ppm	33 ppm Cl	41.25 ppm salinity
Fish Catch 27.5' seine X 1/18 inch mesh	Number Caught per seine	Species	Length of largest	Seine
7 seines	3 2	Pumpkinseed	11 cm	

Pull 50 ft.	30	19	20	Spottail Shiner	11.5 cm	
	15	11	14	Bluegill		
	13	8	4	Banded Killifish	10 cm	
	2	3	25	White Perch	14 cm	
	1			Herring		
	8	5	10	Yellow Perch		
	3	3	3	Striped Bass		
		2		Four spine stickleback		
	8	2		Blue Crab		
	3	1	7	Crayfish		
Pull	Time			Catch	CPUE	PULL
Seine #1	12:00 PM			87 fish	0.21	50 ft. pull
Seine #2	12:30 PM			56 fish	0.13	50 ft. pull
Seine #3	1:00 PM			83 fish	0.19	50 ft. pull
Tides	9:00 AM			Falling	9 cm	
	9:15 AM			Falling	7 cm	
	9:30 Am			Falling	6.5 cm	
	9:45 Am			Falling	2 cm	
	10:00 AM			Falling	-5 (away from tide stick	
	10:15 AM			Falling	-15	
	10:30 Am			Falling	-40	
	10:45 AM			Falling	-50	
Currents	125 cm/60 secs			2:08 cm/sec.	0.04 knots	South Ebb
8:45 AM	130 cm/60 secs			2:16 cm/sec	0.042 knots	South Ebb
9:15 Am	140 cm/60 secs			2:30 cm/sec	0.044 knots	South Ebb
9:45 Am	133 cm/60 secs			2:22 cm/sec	0.043 knots	South Ebb
10:15 AM	128 cm/60 secs			2:13 cm/sec	0.041 knots	South Ebb
10:45 AM	8:35 AM			Barge/	Eastern Dawn	South
Traffic	10:17 Am			US Coast guard		North
	11:25 AM			Barge		South
Other Items	Lots of wrack					
Core	Length			Top	Bottom	
	11 inches			4 inch top	7 inch bottom	