

Day in the Life of the Hudson River 10/22/19

ULSTER LANDING PARK

RIVER MILE: 97

Salt Front: ~ RM 53

Kingston High School- Duane Wolff

27 students 11-12th grade, 2 adults

Latitude 42.00425 N & Longitude – 73.94467 W

Location: Ulster Landing Park, Town of Ulster, Ulster County, NY

Area: Swimming Beach; used for fishing swimming; building with restroom

Surrounding Land Use: 90% Forested; 5% Beach; 5% Parkland with grass and picnic area

Sampling Site: Beach, altered bank with concrete bulkhead, wood debris (drift wood), slag and brick in area, drainage from bulkhead north of site

River Bottom: Sandy at edge, then very muddy

Sample time: 8:45 am-1:45 pm

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
Physical				
<i>Air Temperature</i>	10:44 AM	50 ° F		
<i>Wind Speed:</i>	NR			
<i>Weather today</i>	NR			
<i>Weather past 3 days:</i>	NR			
<i>Tides-</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>	<i>Water Height (cm)</i>	<i>Rate of Tidal Change (cm/min)</i>
	NR			
<i>Current-</i>	<i>Time</i>	<i>cm/second, Knots</i>	<i>North/South</i>	<i>Comments</i>
				Apples floated south corresponding to the tide table
<i>Water Temperature-</i>	NR			
<i>Turbidity</i>	NR			
Chemical				
<i>Salinity- Quantabs</i>	8:45-1:45 pm	<30 ppm Cl ⁻ (Below Detection)		
<i>DO –</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
	8:45-1:45pm		4-7ppm (Average)	
<i>pH –</i>	8:45-1:45pm	7.4		
Biological				
<i>Fish</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	
	3	Common Shiners		
	2	Spottail Shiners		
	1	Striped Bass		
	2	Banded Killifish		
	1	Golden Shiner		
	1	Blueback Herring		
	1	Largemouth Bass		
	1	White Perch		
Fish Totals	TOTAL: 12	Diversity: 8		
<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	
Macroinvertebrate Totals	TOTAL: 0	Diversity: 0		
<i>Sediment Core</i>	<i>Time</i>	<i>Area</i>	<i>Grain Size</i>	<i>Other Features</i>

	8:45-1:45pm	4 ft from shore 6 ft from shore 8-12ft from shore	Sand and larger rocks Sand, clay Sand, deeper clay	Brick NA NA
Boats	Time	Name/Color	North/South	Loaded/Light
	NR			
Observations				