

Day in the Life of the Hudson River 10/13/22

Ulster Landing Park, Ulster, NY

RIVER MILE: 97

Salt Front: ~ RM76

Mill Road Elementary School– Stephen Hart

Tom O'Dowd and HS students Red Hook HS

37 students & 13 adults

Latitude 42.00425°N & Longitude – 73.94467°W

Location: Ulster Landing Park, Ulster, NY

Area: Swimming beach used for fishing and swimming

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

Surrounding Land Uses: 90% Forested, 5% Beach, 5% Park with grass and picnic area

Shoreline: NR

River Bottom: sandy and muddy

Water: NR

Plants in the Water: NR

*NR = Not read/recorded

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>	
Physical					
<i>Air Temperature-</i>	10:00 AM	17°C	62°F		
<i>Wind Speed:</i>	10:30 AM	<i>Anemometer</i> 0-2.3 mph	<i>Beaufort</i> NR	<i>Direction</i> S	
<i>Weather today</i>	9:30 AM	>75% cloud cover	Drizzle		
<i>Weather the past 3 days:</i>	Sunny and warm				
<i>Tides-</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>		<i>Water Height (cm)</i>	
	10:47 AM 11:47 AM 12:47 PM	Rising Rising		18 cm 58 cm 84 cm	
<i>Current-</i>	<i>Time</i>	<i>Cm/sec</i>	<i>Knots</i>	<i>North/South</i>	<i>Ebb/Flood/Still</i>
Near shore In Channel	NR	3.38 8.47	NR	NR	Flood Flood
<i>Water Temperature-</i>	10:47 AM	15.5°C	60°F		
<i>Turbidity- Long Sight Tube (120 cm)</i>	11:00 AM	86-90 cm			
Chemical					
<i>Salinity-LR Quantabs</i>	11:00 AM	52 ppm	29 ppm CL-		
<i>Standardized Salinity – LR Quantabs</i>	12:00 PM	65 ppm			
<i>DO –Drop Count Kit</i>	<i>Time</i> 11:28 AM	<i>Temp</i> 15.5°C	<i>ppm DO</i> 10 ppm	<i>% saturation</i> NR	
<i>pH – Color Match Kit</i>	11:41 AM	7			
<i>Nitrates- NR</i>					
<i>Phosphates- NR</i>					
<i>Alkalinity- NR</i>					
Biological-					
<i>Fish –</i>	<i>Number</i>	<i>Name</i>		<i>Length of longest</i>	<i>Length of smallest</i>
	7	Herring sp. (YOY)			
	11	Spottail Shiner			
	1	White Perch			

	3	Striped Bass (YOY)			
	5	Bluegill			
Fish Totals	TOTAL: 27	Diversity: 5			
<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>	
Macroinvertebrate Totals	TOTAL: 0	Diversity:0			
<i>Sediment Core – NR</i>					
Length	H2S smell	Oxid Top	Oil	Grain Size	Other Features
<i>Boats-</i>					
	Time	Name	Color	North/Southbound	Light/Loaded
Commercial	NR	Cruise Ship	NR	NR	NR
Recreational- 3 boats seen	NR	NR	NR	NR	NR