

Day in the Life of the Hudson River 10/13/22
Donahue Memorial Park, Cornwall Landing, NY

RIVER MILE: 57

Salt Front: ~ RM 76

Trailside Museums & Zoo @ Bear Mountain State Park- Christopher O'Sullivan,
Willow Ave. Elementary School Christine Cleaves (4th grade)

Tom Lake, DEC HREP

50 students & 20 adults

Latitude 41° 26'36" N & Longitude -74°0'1" W



Location: Donahue Memorial Park, Cornwall Landing, NY

Area: Sandy beach used for seining and chemical samples. Sampling site near small dock used for turbidity.

Surrounding Land Use: 80% Open & Grassy, 15% Forested, 5 % Beach

Sampling Site: Pier, grassy, beach, altered banks, RipRap, wood bulkhead

Shoreline: NR

Water: Choppy

Plants in area: No plants in the water

River Bottom: Muddy & Rocky

*NR = Not read/recorded

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
<i>Physical</i>				
<i>Air Temperature</i>	10:12 AM	17.78 ° C	64°F	
	10:27 AM	19.44° C	67°F	
	10:43 AM	22.22° C	72°F	
<i>Wind Speed:</i>	10:49 AM	<i>Anemometer</i> 13-18 mph	<i>Beaufort</i> 4	<i>Direction</i> NW
<i>Weather today</i>	10:30AM	> 75% cloud cover	No Rain	
<i>Weather the past 3 days:</i>	No rain, warm and sunny			
<i>Tides-</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>		<i>Water Height (cm)</i>
	9:08 AM-9:45 AM	Rising		22 cm 35 cm
<i>Current-</i>	<i>Time</i>	<i>Cm/sec</i>	<i>Knots</i>	<i>North/South</i>
	9:45 AM	NR	NR	NR
<i>Water Temperature-</i>	10:38 AM	18°C	64°F	

Turbidity- Long Sight Tube (120 cm)	10:10 AM 10:21 AM	24.1 cm 14.3 cm			
Chemical					
Salinity- HR Quantabs	10:12 AM 10:21 AM 10:38 AM	970 ppm Cl- 970 ppm Cl- 1048 ppm Cl-	1752 ppm total sal 1752 ppm total sal 1,893 ppm total sal		
Standardized Salinity – HR Quantab	NR		1,956 ppm total sal		
DO – NR	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>	
pH – Color Match Kit	10:39 AM	8			
Nitrates- NR					
Phosphates- NR					
Alkalinity- NR					
Biological					
Fish – Seine	Number	Name	Length of longest	Length of smallest	
11:10 AM -12:00 PM	87 1 3 8 1 12 3	Blueback Herring American Shad Spottail Shiner Atlantic Silverside White Perch Striped Bass Largemouth Bass	6.7 cm 8.9 cm 7.4 cm 9 cm 4.5 cm 8.2 cm 16.6 cm		
Fish Totals	TOTAL: 115	Diversity: 7			
Macroinvertebrates	Number	Name	Length of longest	Length of smallest	
	1	Blue Crab	6 cm		
Macroinvertebrate Totals	TOTAL: 1	Diversity: 1			
Sediment Core - NA					
Length	H2S smell	Oxid Top	Oil	Grain Size	Other Features
Boats-NR					
	Time	Name	Color	North/Southbound	Light/Loaded
Commercial					
Residential					