

Day in the Life of the Hudson River 10/14/21
Wayras Park-Tugboat Dock, Poughkeepsie
RIVER MILE: 75.5

Salt Front: ~ 49

Kim Sloan & Poughkeepsie Day School
 Sarah Mount, DEC HREP
 6 students & 6 adults

41°42'32.80"N and 73°56'25.19"

Location: Waryas Park, Poughkeepsie, New York.

Area: public park, pier, grassy, parking lot. Park used for fishing, small boat launch, another pier for small boat launching

Surrounding Land Use: 75 % industrial/commercial; 25% park area with grass and waterfront docks

Sampling Site: shoreline is 100% riprap along the water with vegetation, banks altered, pier, alongside and behind

Plants in area: No plants in water area but devil's head seed pods on the shore (water chestnut)

River Bottom - rocky

*NR = Not read/recorded BD = Below Detection

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
Physical				
<i>Air Temperature</i>	10:33 AM	20 ° C	68° F	
<i>Wind Speed:</i>	10:33 AM	<i>Anemometer</i> 3 mph	<i>Beaufort</i> NR	<i>Direction</i> South
<i>Weather today</i>	10:38 AM	26-50% cloud cover	No rain	
<i>Weather the past 3 days:</i>	Sunny and warm			
<i>Tides-</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>	<i>Height (cm)</i>	
	NR	NR	NR	
<i>Current-</i>	<i>Time</i>	<i>Cm/sec</i>	<i>Knots</i>	<i>North/South</i>
	NR	NR	NR	NR
<i>Water Temperature-</i>	10:33 AM	18 ° C	64.4° F	
<i>Turbidity-</i>	NR	NR		
Chemical				
<i>Salinity- Low Range Quantabs</i>	10:55 AM	BD		
<i>Standardized Salinity- Low Range Quantabs</i>	11:00 AM	BD		
<i>DO – Lamotte Drop Count Kit</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% Saturation</i>
	10:33 AM	18 ° C	13	>100%
<i>pH – Color Match Kit</i>	10:33 AM	7.5		
<i>Nitrates-</i>		NR		
<i>Phosphates-</i>		NR		
Biological				
<i>Fish – seined 1 time</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>
	80 3	Spottail Shiner Banded Killifish	NR	NR
Fish Totals	TOTAL: 83	Diversity: 2		

<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</i>					
Length	H2S smell	Oxid Top	Oil	Grain Size	Other Features
<i>Boats</i>					
	Time	Name	Color	North/Southbound	Light/Loaded
Commercial					
Residential					