

**Day in the Life of the Hudson River 10/14/21**

**Quiet Cove Park, Poughkeepsie**

**RIVER MILE: 78**

*Salt Front: ~ 49*

Staff from Cornell Cooperative Extension of Dutchess County,  
plus 4 youth employees from Poughkeepsie HS as part of NCLI

Bobby Adams & DEC Fisheries Team

Skip Hoover & G.W. Krieger Elementary School

*79 students & 20 adults*

**41.44°N and 73.56°W**

**Location:** Quiet Cove, Poughkeepsie, Dutchess County

**Area:** Grassy area with parking lot, beach like waterfront

**Surrounding Land Use:** Picnics, boating and fishing – 60% is beach with rip rap banks, 40% previous industrial site

**Sampling Site:** An old industrial area that has been turned into a park. Used by people for picnics, fishing. Shoreline rocky, banks altered with rip rap and wooden bulkhead, boat launch for kayaks and canoes

**Plants in area: none visible**

**Debris in area:** remnants of industrial site and some papers in the water

**Water depth:** 160 cm in the area with concrete embankments

**River Bottom** – muddy in beach area

\*NR = Not read/recorded

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>	
<i>Physical</i>					
<i>Air Temperature</i>	10:36 AM	16.6 ° C	62 ° F		
<i>Wind Speed:</i>	10:35 AM	<i>Anemometer</i> NR	<i>Beaufort</i> NR	<i>Direction</i> South	
<i>Weather today</i>	10:27 AM	26-50% cloud cover	No rain		
<i>Weather the past 3 days:</i>	Foggy mornings, clear afternoons, temps highs in the mid 70s				
<i>Tides-</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>	<i>Height (cm)</i>		
	10:27 AM-	Falling	depth .8 m	1.1 meter top of water to top of pier 1.5 meter top of water to top of pier,	
	12:50 PM	Falling	depth .3 m		
<i>Current-</i>	<i>Time</i>	<i>Cm/sec</i>	<i>Knots</i>	<i>North/South</i>	<i>Ebb/Flood/Slack</i>
	10:27 AM	20.83	0.41	Near shore north – further out still	Still
	12:50 PM	16.39	0.3189	South	Ebb
<i>Water Temperature-</i>	9:47 AM	18.3° C		65° F	
<i>Turbidity- Long Sight Tube</i>	12:22 PM	56 cm			
<i>Chemical</i>					
<i>Salinity- Low Range Quantabs</i>	12:45 PM	1.4 quantab units – 32 ppm Cl-	58 ppm Total Salinity		
<i>Standardized Salinity- Low Range Quantabs</i>	11:50 AM	BD			
<i>DO – Lamotte elementary school test</i>	<i>Time</i> NR	<i>Temp</i> 18.3° C	<i>ppm DO</i> 8	<i>% Saturation</i> NR	

<i>kits</i>					
<b>pH – Color Match Kit</b>	9:42 AM	7.5			
<b>Nitrates- LaMotte kit</b>	9:47 AM	5 ppm			
<b>Phosphates- LaMotte kit</b>	9:47 AM	1 ppm			
<b>Biological</b>					
<b>Fish -</b>	<b>Number</b>	<b>Name</b>	<b>Length of longest</b>	<b>Length of smallest</b>	
9:50-12:48 PM Seine	7	Blueback Herring	5 cm	NR	
	2	American Shad	12 cm	10 cm	
	1	Spottail Shiner	8 cm		
	1	Bluegill	3 cm		
<b>Fish Totals</b>	<b>TOTAL: 11</b>	<b>Diversity: 4</b>			
<b>Macroinvertebrates</b>	<b>Number</b>	<b>Name</b>	<b>Length of longest</b>	<b>Length of smallest</b>	
<b>Macroinvertebrate Totals</b>	<b>TOTAL: 0</b>	<b>Diversity: 0</b>			
<b>Sediment Core</b>					
<b>Length</b>	<b>H2S smell</b>	<b>Oxid Top</b>	<b>Oil</b>	<b>Grain Size</b>	<b>Other Features</b>
73.56 cm	Yes	No	No	Abundant: gravel Common: sand, pebbles Rare: mud	
<b>Boats-NR</b>					
	<b>Time</b>	<b>Name</b>	<b>Color</b>	<b>North/Southbound</b>	<b>Light/Loaded</b>
Commercial					
Residential					