

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

**Quiet Cove**

**RIVER MILE: 78**

*Salt Front: ~ RM76*

**G.W. Krieger Elementary School– Skip Hoover**

*92 students & 20 adults*

*NYS DEC Inland Fisheries – Bobby Adams and Team*

*CCE No Child Left Inside – Student Team & Leader*

**Latitude 41.44°N & Longitude – 73.56°W**

**Location:** Quiet Cove Park, Poughkeepsie, Dutchess, NY

**Area:** Just north of Marist College under the railroad trestle.

**Sampling Site:** Beach with altered banks, riprap (large rocks), concrete bulkhead, parking lot

**Surrounding Land Uses:** 100% Industrial/Commercial

**Shoreline:** 30% Sandy, 10% Muddy, 60% Rocky

**River Bottom:** Muddy, sandy, rocky

**Water:** NR

**Plants in the Water:** None

\*NR = Not read/recorded

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>	
<i>Physical</i>					
<i>Air Temperature-</i>	11:04 AM	15°C	60°F		
<i>Wind Speed:</i>	11:04 AM	<i>Anemometer</i> NR	<i>Beaufort</i> 1	<i>Direction</i> SW	
<i>Weather today</i>	11:04 AM	>75% cloud cover	Start & Stop Rain		
<i>Weather the past 3 days:</i>	Clear skies and dry Temperatures near 70°F				
<i>Tides- Measured from pier to the water's surface</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>	<i>Water Height (cm)</i>		
	9:38 AM- 11:04 AM 12:19 PM	Rising Rising	258 cm 210 cm 200 cm		
<i>Current-</i>	<i>Time</i>	<i>Cm/sec</i>	<i>Knots</i>	<i>North/South</i>	<i>Ebb/Flood/Still</i>
	9:38 AM 11:04 AM 12:19 PM	0.65 17.24 2.56	NR	NR	Flood
<i>Water Temperature-</i>	10:13 AM	16°C	60°F		
<i>Turbidity- Long Sight Tube (60 cm)</i>	11:05 AM	>60 cm			
<i>Chemical</i>					
<i>Salinity-Quantabs</i>	NR	Below Detection	1.2 quantab units	<29 ppm Cl-	
<i>Standardized Salinity – LR Quantabs</i>	9:50 AM 1:00 PM	65 ppm 65 ppm			
<i>DO – Lamotte estuary wide kit (low res. Kit)</i>	<i>Time</i> 10:13 AM	<i>Temp</i> 16°C	<i>ppm DO</i> 4 ppm (poor resolution kit)	<i>% saturation</i> NR (do not record on main sheet)	
<i>Hach Drop Count Kit</i>	10:13 AM	16°C	9 ppm	RECORD THIS	
<i>pH – Color Match Kit</i>	10:13 AM	8			
<i>Nitrates- Lamotte estuary wide monitoring kit</i>	10:13 AM	5 ppm		*Very low resolution sampling kits	
<i>Phosphates- Lamotte estuary wide</i>	10:13 AM	2 ppm		*Very low resolution sampling	

monitoring kit					kits
Alkalinity- NR					
<b>Biological-</b>					
<b>Fish – Electroshocking @ site with Bobby</b>	<b>Number</b>	<b>Name</b>	<b>Length of longest</b>	<b>Length of smallest</b>	
9:25 AM-12:15 PM	2	American Eel	20 cm	9 cm	
	1	Spottail Shiner	19 cm	-	
	4	White Perch	15 cm	-	
	4	Striped Bass	14 cm	9 cm	
	1	Redbreast Sunfish	-		
	3	Bluegill	5 cm		
	1	Smallmouth Bass	-		
	2	Largemouth Bass	-		
	5	Tessellated Darter	7 cm		
<b>Fish Totals</b>	<b>TOTAL: 23</b>	<b>Diversity: 9</b>			
<b>Macroinvertebrates</b>	<b>Number</b>	<b>Name</b>	<b>Length of longest</b>	<b>Length of smallest</b>	
	2	Blue Crab (F)			
<b>Macroinvertebrate Totals</b>	<b>TOTAL: 2</b>	<b>Diversity: 1</b>	5 cm	4 cm	
<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>
NR	Yes	NR	No	Common: mud, sand Rare: gravel, pebbles	
<b>Boats- NR</b>					
	<b>Time</b>	<b>Name</b>	<b>Color</b>	<b>North/Southbound</b>	<b>Light/Loaded</b>
Commercial					
Recreational					