

**Day in the Life of the Hudson River 10/16/14 Data  
(Salt Front RM 65.9)  
RIVER MILE 78**



**Quiet Cove, Poughkeepsie just north of Marist College  
Carolyn Klocker and Neil Curry and 3 employees of Cornell Cooperative Extension  
of Dutchess County, plus 7 youth employees from Poughkeepsie HS as part of NCLI  
Robert Adams and Peter Kinney from the DEC Fisheries Staff  
Skip Hoover, G. W. Krieger Elementary School (104) 5<sup>th</sup> grade students,  
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

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Wind Speed</i>	<i>Precipitation &amp; Clouds</i>
<b><i>Physical</i></b>				
Air Temperature	9:51 AM	70°F 21°C	1-3 mph N	heavy cloud cover
	10:16 AM	68°F 20°C	1-3 mph N	cloud cover/breaks of sun
	10:59 AM	68°F 21°C	7-10 mph N	Rain shower & heavy cloud cover
	12:46 PM	70°F 21°C	4-7 mph N	heavy cloud cover/storm moving upriver
Wind Speed				
Cloud Cover	Heavy cloud cover			
Weather today	Cool and cloudy			
Weather recently	The weather for the past three days has been a mixture of rainy and sunny temps.in the high 60s.			
<b><i>Water Description</i></b>				
<b><i>Water Temperature</i></b>	1:15 PM	17°C		
<b><i>Turbidity – long site tube</i></b>	9:40 AM 10:00AM 10:30 AM 12:08 PM 12:51 PM	47 cm 39.3 cm 31 cm 31 cm 12.6	53 cm 38 cm 32 cm 36.6 cm 13.8 cm	50 cm Avg 38.7 cm Avg 32.5 cm Avg 33.8 cm Avg 13.2 cm Avg* this took place after significant wave action from Coast Guard boat passing
<b><i>Chemical</i></b>	<b>TIME</b>	<b>DO Used kit we provided by no data yet</b>	<b>Temp</b>	<b>%Saturation</b>
	9:40 AM		20 °C	
	10:03 AM		20 °C	
	12:07 PM		20 °C	
	12:42 PM		17 °C	
<b>(LaMotte kit color match )</b>	<b>Time</b>	<b>PH</b>	<b>NITRATES</b>	<b>PHOSPHATES</b>
	9:40 AM	7.5	<5 ppm	
	10:03 AM	7	<5 ppm	<5 ppm
	12:07 PM	8	<5 ppm	<5 ppm
	12:42 PM	7.5	<5 ppm	<5 ppm
Salinity				

<i>Fish Catch- 25 ft. – 4 pulls</i>	<i>Number Caught</i>	<i>Species</i>	<i>Length of largest</i>	<i>Seine - beach seine</i>
<b>9:30-12:30 AM</b>	15	American Shad	9 cm	
	2	Blueback Herring	5 cm	
	1	Bay Anchovy	6 cm	
	1	Striped Bass	7 cm	
<b>Total count</b>	<b>19</b>	<b>Total diversity</b>	<b>4</b>	
<i>Tides –</i>	<i>Time</i>	<i>Top of water to top of pier</i>	<i>water depth</i>	<i>Rising/Falling</i>
	9:45 AM	50 cm		High/still
	10:11AM	54 cm		falling
	10:53 AM	73 cm		falling
	12:12 PM	93 cm		falling
	12:46 PM	100 cm		falling
<i>Currents</i>	<i>TIME</i>	<i>Time over 10 meters</i>	<i>Cm/sec</i>	<i>Direction</i>
	9:45 AM			Still
	10:11AM	135 secs	7.4 cm/sec	Ebb
	10:53 AM	90 secs	11.11 cm/sec	Ebb
	12:12 PM	114 secs	8.77 cm/sec	Ebb
	12:46 PM	100cm	10 cm/sec	Ebb
<i>Traffic</i>	10:51 AM	Oil train		Southbound
	12:21 PM	Coastguard Vessel		Southbound
	1:05 PM	Sailboat		Northbound