

Day in the Life of the Hudson River 10/20/15 Data

RIVER MILE 78

Quiet Cove, Poughkeepsie just north of Marist College

Carolyn Klocker and 3 employees of Cornell Cooperative Extension of Dutchess

County, plus 7 youth employees from Poughkeepsie HS as part of NCLI

Robert Adams & and Jessica from the DEC Fisheries Staff

Skip Hoover, G. W. Krieger Elementary School (104) 5th 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>Wind Speed</i>	<i>Direction</i>	<i>Precipitation & Clouds</i>
<i>Physical</i>				
Air Temperature	9:30 AM	Beaufort 2	South	Partial cloud cover
	10:16 AM	Beaufort 2	South	Partial cover/breaks of sun
	10:59 AM	Beaufort 1	South	Part sun
	12:46 PM	Beaufort 2	South	Part sun
Cloud Cover	Clouds & sun			
Weather today	Rainy and sunny with some snow flurries			
Weather recently	The weather for the past three days has been a mixture of rainy and sunny temps.in the high 60s.			
<i>Water Temperature</i>	1:15 PM	17°C		
<i>Turbidity – long site tube</i>	9:34 AM	18 cm	21cm	19.5 cm Avg
	10:10AM	18.3 cm	21cm	19.5 cm Avg
	10:51 AM	21 cm	16 cm	18.5 cm Avg
	12:12 PM	5.6 cm	6.2 cm	5.9 cm Avg
	12:45 PM	13 cm	10.4 cm	11.8 cm Avg
<i>Chemical</i>	TIME	DO	Temp	%Saturation
LaMotte Kit	9:30 AM		12 °C	
	10:09 AM	4 ppm	12°C	
	11:00 AM	4ppm	12°C	
	12:20 PM		12°C	

	12:47 PM	0 ppm	12°C	
(LaMotte kit color match)	Time	PH	NITRATES	PHOSPHATES
	9:30 AM	8	<5 ppm	2 ppm
	10:09 AM	7.5	<5 ppm	2 ppm
	11:00 AM	8	<5 ppm	2 ppm
	12:20 PM	8		
	12:47 PM	8	<5 ppm	2 ppm
<i>Fish Catch- 25 ft. – 5 pulls</i>	<i>Number Caught</i>	<i>Species</i>	<i>Length of largest</i>	<i>Seine - beach seine</i>
<i>9:00-12:30 AM</i>	1	Striped Bass	7.6 cm	DIV – 4
	2	White Perch	18 cm	TOTALS - 15
	10	Spottail Shiner	7.6 cm	
	2	Smallmouth Bass	11.4 cm	
Macroinvert	1	Bluecrab	4 cm	<i>DIV - 1</i>
				<i>TOTAL - 1</i>
<i>Tides –</i>	<i>Time</i>	<i>Top of water to top of pier</i>	<i>water depth</i>	<i>Rising/Falling</i>
	NR			High/still
<i>Currents</i>	<i>TIME</i>	<i>Time over 10 meters</i>	<i>Cm/sec</i>	<i>Direction</i>
	9:30 AM	488 cm/minute	8/cm /sec	flood
<i>Traffic</i>	11:46 AM	Red Tug pulling empty barge		Southbound
	12:36 PM	Barge	Blue & white	Northbound
	12:55 PM	Freight train		Southbound