

Day in the Life of the Hudson River 10/12/17 Data

(Salt Front ~RM 65)

RIVER MILE 78

Quiet Cove, Poughkeepsie just north of Marist College

**Carolyn Klocker and 3 other employees of Cornell Cooperative Extension of
Dutchess County, plus 4 youth employees from Poughkeepsie HS as part of NCLI**

Robert Adams & and Jess from the DEC Fisheries Staff (2)

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>Temperature</i>	<i>Wind & Direction</i>	<i>Precipitation & Clouds</i>
<i>Physical</i>				
Air Temperature	9:50AM	59 °F 14.6 °C	Beaufort 4 /N	Partial cloud cover
	10:30 AM	58 °F 14.4 °C	Beaufort 4 /N	Cloud cover/breaks of sun
	11:06 AM	58°F 14.4°C	Beaufort 3 /S	Mostly sunny
Cloud Cover	Clouds & sun			
Weather today	Cloudy			

Weather recently	The weather for the past three days has been a mix of rain and sun, warm.			
Water Temperature	9:44 AM	21°C		
	10:10 AM	21.5		
	10:50 AM	20		
	12:15 PM	22		
	12:50 PM	22		
Turbidity – long site tube	9:30 AM	43 cm	37 cm	40 cm Avg
	10:10AM	31 cm	44 cm	37.5 cm Avg
	10:40 AM	42 cm	25 cm	33.5 cm Avg
	12:05 PM	29 cm	24 cm	26.5 cm Avg
	12:50 PM	41 cm	34 cm	37.5 cm Avg
Chemical	TIME	DO	Temp	% Saturation
Salifert DO kit	9:44 AM	8 ppm	21°C	
	10:10 AM	8 ppm	21.5	
	10:50 AM	8 ppm	20	
	12:15 PM	8 ppm	22	
	12:50 PM	8 ppm	22	
(LaMotte Estuary kit)	Time	pH	Phosphates ppm	
	9:44 AM	8	2 ppm	
	10:10 AM	8	2 ppm	
	10:50 AM	7.5	4 ppm	
	12:15 PM	8	3 ppm	
	12:50 PM	8	1 ppm	
Salinity - quantab	10:55 AM	32 ppm Cl-	57.8 ppm TS	
Fish Catch- 25 ft. – 4 pulls	Number Caught	Species	Length of largest	Seine - beach seine
9:00-12:30 AM	48	Blueback Herring	10 cm	FISH DIV – 4 TOTALS - 55
	3	Bunker (Atlantic Menhaden)	7 cm	
	3	Banded Killifish	7 cm	
	1	American Shad	7 cm	
Tides –	Time	Top of water to top of pier	water depth	Rising/Falling
	9:40 AM	60 cm	NR	set
	10:14 AM	70 cm	NR	Falling
	10:54 AM	NR	NR	Falling
	12:20 PM	NR	NR	Falling
	12:56 PM	NR	NR	Falling

<i>Currents</i>	<i>TIME</i>	<i>sec/800 cm</i>	<i>Cm/sec</i>	<i>Direction</i>
	9:40 AM	54 secs/800 cm	14.8 cm/sec	ebb
	10:14 AM	118 secs/800 cm	0.15 cm/sec	ebb
	10:54 AM	NR		ebb
<i>Traffic</i>	10:27 AM	Freight train		Southbound
	1:08 PM	Large Ship UBC cement	red	Southbound