

**Day in the Life of the Hudson River 10/20/16 Data
(Salt Front ~RM 83)**

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 & Wes 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	9:40AM	58 °F 14.4 °C	Beaufort 4 /N	Partial cloud cover
	10:15 AM	58 °F 14.4 °C		Partial cover/breaks of sun
	12:55 PM	64°F 17.8 °C	Beaufort 2 /S	Light clouds
Cloud Cover	Clouds & sun			
Weather today	No precipitation			
Weather recently	The weather for the past three days has been mainly sunny temps.			
<i>Water Temperature</i>	9:30 AM	12°C	53.6 °F	
	10:15 AM	15	59	
	10:50 AM	18	64.4	
	12:15 PM	20	68	
	12:48 PM	19	66	
<i>Turbidity – long site tube</i>	9:30 AM	15 cm	17 cm	16 cm Avg
	10:10AM	8 cm	11cm	9.5 cm Avg
	12:15 PM	30 cm	26 cm	28 cm Avg
	12:40 PM	30 cm	31 cm	30.5 cm Avg
	1:00 PM	28 cm	25 cm	26.5 cm Avg
<i>Chemical</i>	TIME	DO	Temp	%Saturation

Salifert DO kit	9:30 AM	NR	12 °C	NR
	10:15 AM	NR	15°C	NR
	10:50 AM	12 ppm	18°C	115%
	12:15 PM	12 ppm	20°C	130 %
	12:48 PM	12 ppm	19°C	123%
(LaMotte Estuary kit)	Time	PH		
	9:30 AM	8		
Salinity - quantab	1:15 PM	82 ppm Cl-	148 ppm TS	
Fish Catch- 25 ft. – 5 pulls	Number Caught	Species	Length of largest	Seine - beach seine
9:00-12:30 AM	3	Striped Bass	10 cm	FISH DIV – 5 TOTALS - 25
	10	Spottail Shiner	10 cm	
	5	Pumpkinseed	8 cm	
	2	Smallmouth Bass	4.5 cm	
	1	American Shad	9 cm	
Macroinvert	1	Bluecrab	1 cm	DIV - 1 TOTAL - 1
Tides –	Time	Top of water to top of pier	water depth	Rising/Falling
	9:40 AM	2.7 m	4 meters	set
	10:15 AM	3 m	2.3 meters	Falling
	10:55 AM	3 m	3 meters	unchanged
	12:20 PM	2.7 m	NR	flood
	12:55 PM	2.1 m		flood
Currents	TIME	sec/600 cm	Cm/sec	Direction
	9:40 AM			ebb
	10:15 AM	678/600	1.13 cm/sec	ebb
	10:55 AM			Still
	12:55 PM	32/600	0.05 cm/sec	flood
Traffic	9:40 AM	Freight train		Southbound
	1:08 PM	Large Ship UBC cement	red	Southbound