

**Day in the Life of the Hudson River 10/20/16 Data  
(Salt Front ~ RM 83)  
RIVER MILE 92**



*The Clearwater Crew!*

**Mid-River on the Clearwater, Kingston, Ulster County  
GPS Latitude 41°55 N Longitude 73°57 W  
Maura Niemisto, Hudson River Sloop Clearwater  
Lenape Elementary School – 5<sup>th</sup> grade, 50 students, 12 adults**

**Location:** Mid-River from Kingston Point, City of Kingston

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<b><i>Physical</i></b>				
Air Temperature	10:18 AM	62.8°F 17.3°C		
Wind Speed	11:32 AM	Beaufort 1	East	2 kts
Cloud Cover	10:18 AM	100% thick clouds - overcast		
Weather today	Overcast			
Weather recently	Dry, hot and sunny			
<b><i>Water Surface</i></b>	Calm			
<b><i>Water Temperature</i></b>	Time	Temperature #1	Temperature #2	Average
Water Depth - surface	10:56 AM	63.3°F 17.9°C		
<b><i>Chemical</i></b>				
DO <i>Drop count</i>	10:56 AM	10 ppm	17.9 C	100% saturated
pH – color match kit	10:56 AM	8.0		

Salinity - refractometer and hydrometer	below detection of these tools	.		
<b>Turbidity – long sight tube</b>	81 cm	Looks turbid, dark and cloudy		
<b>Fish Catch</b> <i>Trawl net with ~8 ft. of head rope</i>	<b>Number Caught- 15</b>	<b>Species - 2</b>	<b>Largest Size</b>	<b>10:49-10:59 AM trawl</b>
	1	White perch	16 cm	<b>FISH</b>
	44	Hog Choker	11 cm	<b>Diversity 3</b>
	1	Catfish	10 cm	<b>Total 46</b>
	2	Blue crab		<b>MACRO Diversity 1 Totals 2</b>
<b>Currents</b>	10:18 AM 11:32 AM	Ebb Ebb		
<b>Traffic-Commercial</b>	10:07 AM	‘Brooklyn’ – tug and barge	White	Northbound Loaded with fuel
	11:45	Ubc Seattle	Red	Southbound – deep draft ship
		‘Evelyn Cutler’	Red	Southbound – Light fuel barge and tug
<b>Traffic – Recreational</b>	10:57 AM	Launch boat	white	Northbound 2 passengers
	11:56 AM	Powerboat	white	southbound
	12:06 PM	Fishing Boat	Blue	southbound
<b>Other Items</b>	Egrets, gulls, bald eagle, crows, heron, deer			