

**A Day in the Life of the Hudson River 10/22/20 Data**  
**RIVER MILE 60**  
**Saltfront ~ RM 75**

**Clarkson University's Beacon Institute for Rivers & Estuaries, Brigitte Walsh**  
**12 students Peekskill Schools**  
**41.5053°N degrees Latitude 73.9696°W degrees Longitude**

**Location:** Dennings Point, 200 yards south of Long Dock Rd. Parking Lot, Beacon, Dutchess County

**Area:** 80% Forested, 20% Beach with large piping entering river. Believe area mostly used for sightseeing and fishing. Beach area.

**Surrounding Land Use:** Nature preserve with few buildings, 50% forested; 50% beach;

**Sampling Site:** Beach, covered with vegetation, rocky & sandy

**Plants in water area:**

**Water Depth @ sampling site:**

**River Bottom:** Type: muddy, rocky

**SAMPLE TIMES 10-11AM**

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	10:30 AM	19.4°C	67°F	
Wind Speed	10:42 AM	6 mph	South	
Cloud Cover	Overcast			
Weather today	10:30 no rain			
Weather recently	No rain, cloudy and warm			
<i>Water Temperature-</i>	10:30 AM	15.5°C	60°F	
<i>Water</i>				
<i>Turbidity -</i> Long sight tube	10:35 AM	53.9 cm		
<i>Chemical</i>				
Salinity – LR Quantabs	11:00 AM	607 ppm Cl-	1097 TS	Maxed out the sampling tool
DO (chemets)	10:40 AM	15.5 C	9 ppm	saturated
pH –color match	11:00 AM	8		
Phosphates & Nitrates	10:35 AM	0.1 ppb		
<i>Fish Catch</i> 20 ft. X4 seine	<i>Number –</i> 2 1 1 2	<i>Species –</i> Banded killifish Striped Bass Pumpkinseed Spottail shiners		<i>DIV 4</i> <i>TOTALS 6</i>
<i>Macroinvertebrate</i>	2	Bluecrab		<i>DIV 1;</i> <i>TOTAL 2</i>

<i>Tides</i>	<i>Time Low Tide</i>	<i>Time High Tide</i>	<i>Sample Time</i>	<i>Direction at time of sampling</i>
	11:24 AM	5:06 AM	10:30 AM	Ebbing
<i>Currents</i>	NR			