

**A Day in the Life of the Hudson River 10/16/14 Data
(Salt Front RM 65.9)**

RIVER MILE 60

Dennings Point

**Jim Uhlig, Storm King School, 12th grade – 8 students
41.30'10" degrees Latitude 73.50'11" degrees Longitude**



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

Area: Forested, Beach with large piping entering river. Believe area mostly used for sightseeing and fishing. Found a homemade crab trap on the beach!

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

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

Water Depth @ sampling site: 3 ft.

Water: Choppy

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	1:45 PM	60°F 20°C		
Wind Speed	1:23 PM	4 Beaufort		
Cloud Cover	Mostly	51-75%		
Weather today	Rain off and on, wind			
Weather recently	Some rain previous 2 days - humid			
<i>Water Temperature-Depth 0.1 ft.</i>	2:30 PM	21°C		
<i>Water calm</i>	yes			
<i>Turbidity - Secchi disk</i>	1:40 PM	24 cm 25 cm		24.5average
<i>Chlorophyll</i>	1:29 PM	2.0		
<i>Chemical</i>				

DO (drop count kit)	1:30 PM 2:00 PM	11 mg/L 12 mg/L	21°C 21°C	120% 130%
pH – color match test kit	2:12 PM 2:23 PM	5.5* 5.5*		*believes not working well
Salinity - quantabs	2:00 PM	LR 5.5 HR 2.5	303 Cl- ppm 380 Cl- ppm	547 ppm TS 686 ppm TS
<i>Fish Catch</i> <i>20 ft. X4 seine – 1 pull</i>	<i>Number –</i> 20	<i>Species –</i> Alewife	<i>CPUE -</i> <i>Diversity – 1</i>	<i>Seine</i> <i>Total catch20</i>
<i>Tides</i>	1:29 PM	32.9 cm		
<i>Currents</i>	1:23 PM	300cm/30 sec	10 cm/sec	0.19 kts
	2:20 PM	500 cm/30 sec	16.6 cm/sec	0.32 kts
<i>Core Sample – no actual core but sediment in area</i>	<i>Common</i> Gravel	<i>Abundant</i> Slag		
<i>Boats</i>	1:30 PM	Canoe	yellow	light