

A Day in the Life of the Hudson River 10/20/15 Data
RIVER MILE 60
Dennings Point
Sean Dickinson, Chad Cianfrani, Miriam Straus, Oakwood Friends School,
8th-9th grade, 40 students, 5 adults
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.

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	10:30 AM	60°F	20°C	
	10:45 AM	59	19.5 C	
	11:00 AM	60	20 C	
	11:15 AM	62	21 C	
Wind Speed				
Cloud Cover				
Weather today	Sunny			
Weather recently	cold			
<i>Water</i>				
<i>Temperature-</i>				
<i>Water calm</i>				
<i>Turbidity -</i> Long sight tube	10:30 AM	17.1 cm	5.8 cm average	Water very turbid
		7.0 cm		
		8.0 cm		
<i>Chemical</i>				
DO (drop count kit)	10:36 AM	8 mg/L		
	11:00 AM	7 mg/L		
	11:30 AM	7 mg/L		
pH –	10:30 AM	56.5-7		
	11:00 AM	5.5-6		
	11:15 PM	7		
<i>Fish Catch</i>				
20 ft. X4 seine	<i>Number –</i> 6	<i>Species –</i> Banded Killifish Hog Choker	<i>CPUE -</i>	<i>Seine</i>
	3		<i>Diversity – 6</i>	<i>Total catch 17</i>

	4 1 2 1	Spottail Shiner Pumpkin Seed Tesselated Darter White Perch		
<i>Macroinvertebrate</i>	2 1	Blue Crab Shrimp		
<i>Tides</i>	10:23 AM 10:38 AM 10:52 SM 11:06 AM	17 cm 14 cm 11 cm 9 cm	falling	