

**Day in the Life of the Hudson River 10/20/15 Data**  
**RIVER MILE 31 – Nyack Beach Hook Mountain State Park**  
**Peter Park, Nyack College, 5 students, 2 adults**  
**Nancy Arias, Rockland Community College, 12 students, 2 adults**  
**41°07'10"N 73°54'45"W**  
**12:30-2:15 PM**

**Location:** Nyack Beach, Upper Nyack, Rockland County NY

**Area:** Park/Boat launch, near Hook Mountain Sandy Beach by the large sitting stairs,

**Surrounding Land Use:** 70% forested, 5% urban/residential, 20% beach – used for recreation & picnics

**Sampling Site:** Beach – sandy and rocky at edges, covered with vegetation beyond the beach, stone wall, riprap shore, collected wood debris –

**Piping coming** into river south of sampling site

**Water depth:**

**River Bottom** –sandy

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<b><i>Physical</i></b>				
Air Temperature	12:30 PM – 2:15 PM	20.4°C		
Wind Speed				N
Cloud Cover	clear			
Weather today	No rain			
Weather last 3 days	Cool temperatures			
<b><i>Water Temperature</i></b>	12:30 PM 2:00 PM	16°C 17°C		
<b><i>Turbidity – Long site tube</i></b>	NR			
<b><i>Chemical</i></b>				
DO <i>Drop count</i>	12:30 PM – 2:15 PM	8 ppm		
pH <i>Colormetric kit</i>	12:30 PM – 2:15 PM	7.9		
<i>Nitrates</i>	12:30 PM – 2:15 PM	0.3 ppm		
<i>Phosphates</i>	12:30 PM – 2:15 PM	0 ppm		
Conductivity (mS)	2:30 PM	13.36	~6.68 ppt salinity	
<b><i>Fish Catch</i></b>		<b><i>Number Caught</i></b>	<b><i>Species</i></b>	<b><i>Latin Name</i></b>
<b><i>Seine 12 ft. X 6ft. Mesh 0.25 inch</i></b>		2	Atlantic Silverside	Menidia
<b><i>Fish Diversity 3</i></b>		1	Striped Bass	Morone Saxatilis

<i>Total Catch 8</i>		5	White Perch	
<b><i>MACROINVERT</i></b>		2	Mud Crab	
<i>DIVERSITY = 5</i>		1	Blue Crab	~2.5 cm juvenile
<i>TOTALS = 5 + many</i>		1	Sand Shrimp	Crangon
		1	Clam Worm	Nereis
		Too many to count	Moon Jellyfish	Aurelia Aurito