

**Day in the Life of the Hudson River 10/20/16 Data**

**RIVER MILE 43.5**

**(Salt Front ~ RM 83)**

**Riverfront Green, Peekskill, Westchester**

**Michael Billy, Walter Panas High School - 24 students, 11-12<sup>th</sup> grade APES, 2 adult**

**Latitude N 41°17'11" Longitude W 73°55'50"**

**Location:** Riverfront Green, Peekskill, Westchester County

**Area:** Grassy, park area with beachfront, pier, sandy beachfront, used for picnics, boating and fishing

**Surrounding Land Use:** 50 % grassy park; 40% industrial/commercial; 10% beach

**Sampling Site:** beach with brick, charcoal, slag and concrete bulkhead. Shoreline 20% sandy and 80% rocky

**Water depth:** 2 ft.

**River Bottom** – rocky

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<b>Physical</b>				
Air Temperature	NR			
Wind Speed	NR			
Cloud Cover	NR			
Weather today	overcast			
Weather recently	Unseasonably warm			
<b>Water Surface</b>				
<b>Water Temperature –</b>	AM	13 °C		
<b>Turbidity –</b>	AM	Long site tube	90 cm	
	AM	Secchi	90 cm	
<b>Chemical</b>				
DO (Hach drop kits)	AM	10 mg/l	13°C	90 % saturated
pH – color match test kit	12:00 PM	7.6		
Salinity - Quantabs HR	12:00 PM	High range 7.8	3641 ppm Cl-	6577 ppm Total Salinity
<b>Fish Catch- Noon</b>	<b>Number Caught</b>	<b>Species</b>	<b>Length</b>	<b>Diversity/Totals</b>
12:45 PM 20 ft. net X 4ft.	4	White Perch		<b>Haul #1 Diversity 4</b>
3 hauls but kept fish between	1	Spottail Shiner		<b>Total Catch 41</b>
	16	Striped Bass		
	20	Atlantic Silversides		
	1	Striped Bass		<b>Haul #2 Diversity 3</b>
	2	Atlantic		<b>Total Catch</b>

		Silversides		<b>18</b>
	15	mummichogs		
	2	White Perch		<b>Haul #3 Diversity 4</b>
	6	Spottail Shiner		<b>Total Catch 14</b>
	5	Striped Bass		
	1	Atlantic Silversides		
<b><i>Full Catch</i></b>	<b>Diversity 5</b>	<b>Total Catch</b>		<b>73</b>