

**A Day in the Life of the Hudson River 10/4/12 Data**  
**RIVER MILE 61W**  
**Newburgh Landing, Newburgh**  
**Ryan Coulter, NYS DEC, I Fish New York**  
**Jim Uhlig, Storm King School, 12<sup>th</sup> grade – 6 students**  
**41.509 degrees Latitude 74.00 degrees Longitude**

**Location:** Newburgh Landing, Newburgh waterfront, Orange County NY

**Area:** Newburgh waterfront near the Torches, piers and riprap

**Surrounding Land Use:** 100% Industrial/Commercial

**Sampling Site Shoreline:** shoreline bulkheaded, large rip rap, debris in area such as broken concrete

**Plants in area:**

**Water depth:** 15 ft.

**Bottom Surface:** rocky and sandy

**Plants in water** – none visible

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	1:30 PM	30°C	3:15 PM	27°C
Wind Speed	2 Beaufort	5 kts	N	
Cloud Cover	Partly cloudy		Water Choppy	
Weather today	Drizzle, overcast			
Weather recently	Some rain previous 2 days			
<i>Water Temperature</i>	1:00 PM	20°C	20°C	Avg. 20°C
	3:15 PM	20°C	20°C	Avg. 20°C
<i>Water calm</i>	yes			
<i>Turbidity - Secchi disk</i>	1:30 PM	24 inches		
<i>Chlorophyll</i>	1:30 PM	2.0		
<i>Chemical</i>				
DO (drop count kit)	1:45 PM	5 mg/L	20°C	50%
	3:00 PM	8.0	20°C	87%
pH litmus paper	1:30 PM	7 8 7.5		7.5 average
Salinity - quantabs	1:30 PM		49 Cl- ppm	89 ppm total salinity
<i>Fish Catch - pole fishing</i>	<i>Number Caught</i>	<i>Species – total count 110</i>	<i>CPUE</i>	<i>Seine</i>
	1	American Eel	7 inch	

	1	Spottail shiner	3 inch	
	6	White Perch	4 inch	
	1	Striped Bass	2 inch	
<b><i>Tides</i></b>	1:00 PM	rising		
	2:30 PM	rising		
<b><i>Currents</i></b>	1:00	flood		