

**Day in the Life of the Hudson River 10/20/15 Data**  
**RIVER MILE 144**  
**Rensselaer Boat Launch, Forbes Rd., Rensselaer, NY**  
**Leah Penniman, Tech Valley High School - 9<sup>th</sup> grade**  
**Environmental Science & Geography – 32 students, 2 Adults**



**Location:** Rensselaer Boat Launch

**Area:** Boat launch – beach area

**Surrounding Land Use:** Boat launch with small beach, wooded, landscaped, adjacent to urban residential area

**Sampling Site:** boat launch with surrounding beach area

**Plants in area:**

**Water depth:** unknown

**River Bottom :**

**Times: All sampling 12:30-2:15 PM**

<i>ITEM</i>	<i>Time</i>	<i>Average Readings -</i>		<i>Comments</i>
<i>Physical</i>				
Air Temperature	12:30 PM- 2:15 PM	13°C		
Wind Speed				
Cloud Cover	Cloudy			
Weather today	Foggy and wet			
Weather recently	Some rain and humid			
<i>Water</i>	calm			
<i>Water Temperature – student built thermometers</i>		12.25°C		
<i>Turbidity (Small site tube LaMotte)</i>		30 JTU		
<i>Chemical</i>				
DO (chemets color comparator)		8.6 ppm	97.3% saturation	

pH – meter (Flinn)		6.91		
Phosphate - Chemets		0.7 mg/L		
Nitrate – Chemets		0.9 ppm		
Alkalinity		47.6 ppm		
Salinity* Lamotte kit?		Results not realistic		
Electrical Conductivity		272.75 uS	microseimens	
<b><i>Coliform Petriplate 1 ml water</i></b> • stated range is based on colonies per 100 ml sample		7587.5 average		
<b><i>Shipping Traffic</i></b>	1	BOAT		