

**Day in the Life of the Hudson River 10/10/13 Data  
(Salt Front RM 69.3)  
RIVER MILE 144  
Rensselaer Boat Launch, Forbes Rd., Rensselaer, NY  
Alene Onion, Hudson River Estuary Program  
Leah Penniman, Tech Valley High School - 9<sup>th</sup> grade  
Environmental Science & Geography – 30 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 10:00 AM to 11:15 AM**

<i>ITEM</i>	<i>Time</i>	<i>Average Readings -</i>		<i>Comments</i>
<i>Physical</i>	9:30 AM-11:00 AM	14.3°C		
Air Temperature		16.7°C		
Wind Speed				
Cloud Cover	Cloudy			
Weather today	Foggy and wet			
Weather recently	Some rain and humid			
<i>Water</i>	calm			
<i>Water Temperature</i>		15.3°C		
<i>Turbidity (Site tube)</i>		19 cm		8.9 JTU

<b>&amp; LaMotte)</b>				
<b>Chemical</b>				
DO (chemet color comparator)		9.3 ppm	101.5% saturation	
pH – pH meter		6.8		
Phosphate - Chemet Color comparator		0.1 mg/L		
Nitrate – LaMotte color comparator		0.4 ppm		
Alkalinity		132.5 ppm		
Salinity*		1.5 on strip	28 ppm Cl-	50.56 ppm Total Salinity
Electrical Conductivity		274.75 uS	microseimens	
<b>Coliform Petriplate 1 ml water</b> • stated range is based on colonies per 100 ml sample	15,400 75,600 4,500 18,000 10,400 24,000 18,000 33,800	24962.5 average		<i>* only 1 of 8 samples was below the level of 2,400-5,000</i>
<b>Shipping Traffic</b>	9:36 AM 10:10 AM	Not recorded Margot	White Blue/Black	N/R Southbound