

Day in the Life of the Hudson River 10/4/12 Data
RIVER MILE 144
Rensselaer Boat Launch, Forbes Rd., Rensselaer, NY
Alene Onion, Hudson River Estuary Program
Leah Penniman, Tech Valley High School - 9th grade
Environmental Science & Geography – 60 students

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>Readings - averaged</i>	<i>Reading</i>	<i>Comments</i>
<i>Physical</i>	10:00 AM-11:15 AM			
Air Temperature		20.75°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 (LaMotte)</i>		64 cm		10 JTU
<i>Chlorophyll</i>		0.9		
<i>Chemical</i>				
DO (chemet color comparator)		7.9 ppm	86% saturation	
pH – pH meter		7.4		
Phosphate - Chemet Color comparator		0.025 mg/L		
Nitrate – LaMotte color comparator		0.4 ppm		
Alkalinity		120 ppm		
Salinity*		Not read		
Electrical Conductivity		261.5	microseimens	

Total Dissolved Solids		132.5 ppm		
<i>Coliform Petrifilm plate 1 ml water</i> • <i>stated range is based on a 100 ml sample</i>		39014		<i>* Acceptable range more than 20% of the samples NOT in excess of 2,400-5,000</i>