

**Snapshot Day 10/14/10 Data
(Salt Front RM 36)
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 – 30 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 10:00AM to 11:00 AM

<i>ITEM</i>	<i>Time</i>	<i>Readings</i>	<i>Average Reading</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	10:00 AM- 11:00 AM	49°F 9.44°C		
Wind Speed	Very slight breeze			
Cloud Cover	Mostly cloudy			
Weather today				
Weather recently				
<i>Water</i>	calm			
<i>Water Temperature</i>	10:00 - 11:00 AM	50°F 10°C		
<i>Turbidity (LaMotte)</i>	6 JTU			
<i>Chlorophyll</i>				
<i>Chemical</i>				
DO (chemet color comparator)	10:00 – 11:00 AM	10°C	11 ppm	100%
pH – pH meter	10:00 – 11:00 AM	6.0		
Phosphate - Chemet Color comparator	10:00 – 11:00 AM	0.2 mg/L		
Nitrate – LaMotte color	10:00 – 11:00 AM	2 ppm		

comparator				
Salinity*				
Coliform Petrifilm plate 1 ml water <i>• stated range is based on a 100 ml sample</i>	400 colonies per 100ml			<i>* Acceptable range more than 20% of the samples NOT in excess of 2,400-5,000</i>
Shipping	3 ships	recreational	southbound	