

**Snapshot Day 10/18/11 Data
(Salt Front RM 35.7)
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 – 28 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 9:00AM to 10:00 AM

<i>ITEM</i>	<i>Time</i>	<i>Readings</i>	<i>Average Reading</i>	<i>Comments</i>
<i>Physical</i>	9:00 AM-10:00 AM			
Air Temperature		16.5°C 15 15 15.2 14.82 15.6	13.35 avg	
Wind Speed	Very slight breeze			
Cloud Cover	Mostly cloudy			
Weather today				
Weather recently				
<i>Water</i>	calm			
<i>Water Temperature</i>		15.3°C 16 15 15.3 15.72 15.18 15.4	15.41 avg	
<i>Turbidity (LaMotte)</i>		13.28 cm 12 cm 15 cm 12 cm 15 cm	13.5 avg	50 JTU (one of the sample teams used a LaMotte testkit)
<i>Chlorophyll</i>		0.9		
<i>Chemical</i>				
DO (chemet color comparator)		10 ppm 10 10 10 7	9.4 ppm	
pH – pH meter		8 7.5 7.17	7.56 ppm	
Phosphate - Chemet Color comparator		0.1 mg/L		
Nitrate – LaMotte color comparator		4 ppm 3 ppm 4.4 ppm	3.1 ppm	

		1 ppm		
Alkalinity		140 ppm		
Salinity*	< 29 ppm Cl-	Below scale		
Electrical Conductivity		219.0 184.0 108 118 215	microseimens	
Coliform Petrifilm plate 1 ml water • stated range is based on a 100 ml sample		8600 9000 6300 4900 4200 12,200 5100	NOTE: Each sample exceeds the acceptable level	* Acceptable range more than 20% of the samples NOT in excess of 2,400-5,000
Fish Data	2	Shiner	Length ~1.5 inch	