

**Snapshot Day 10/7/08 Data
(Salt Front RM 63.4)
RIVER MILE 144**

**Rensselaer Boat Launch, Forbes Rd., Rensselaer, NY
Doug Reed, Hudson Basin River Watch
Leah Penniman, Tech Valley High School - 9th grade – 38 students**

Location: Rensselaer Boat Launch

Area: Boat launch – beach area

Surrounding Land Use:

Sampling Site:

Plants in area:

Water depth: unknown

River Bottom :

Times: All sampling 9:30-10:30 AM

<i>ITEM</i>	<i>Readings</i>	<i>Readings</i>	<i>Average Reading</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	12°C 12°C 11°C 13.4°C	12°C 15°C 13.4°C 13°C	12.725 °C	
Wind Speed				
Cloud Cover				
Weather today				
Weather recently				
<i>Water Temperature</i>	15°C 14°C 16°C 15°C 14°C	15°C 10°C 14.6°C 13°C 14°C	14.06 °C	
<i>Turbidity (LaMotte)</i>	10 JTU 10 15 20 25		16 JTU	
<i>Turbidity Turbidity tube</i>	120 cm 41 120 248 90	127 cm 117 54 64.6	109.1 cm	
<i>Chlorophyll</i>				
<i>Chemical</i>				
DO	9 mg/L	9 mg/L	7.7 mg/L	62%

(chemet color comparator)	9 6 6 9	5 6 10 8		
pH – pH meter	7.01 7.89 7 8 6.65	5 5 7 7	6.7	
		6.9		strips
Phosphate - Chemet Color comparator	1 mg/L 0.1 1 0.1 0.1	1 mg/L 0 0 0.15	0.38 mg/L	
Nitrate – LaMotte color comparator	1 ppm 4.4 4.4 1 4.4	1 ppm 1 8.8 8.8 8	*5.18 ppm	* Test was not working correctly - discount results
Alkalinity (LaMotte)	70 ppm * <1 ppm 40 80 80	100 ppm 140	85 ppm	*Did not include <1 ppm result in the average calculation
Salinity* (reported as ppt – too high a reading for this area)	0.2 0.1 0.3 0.375 0.1	0.5 0.375 0.3 0 0.1	*0.235 ppt	* This salinity result is a bit high for this area of the river. Plan to change test.
Conductivity	248 128 268 118	128 246 250	*173.25 uS	
TDS	128 124 128 235	258 125 125	160.43 ppm	
Coliform Petrifilm plate 1 ml water • stated range is based on a 100 ml sample	11 13 14 13 18	15 20 14 17 14	*14.9 Colonies per ml water	* Acceptable range more than 20% of the samples NOT in excess of 2,400-5,000