

**Day in the Life of the Hudson River 10/4/12 Data
RIVER MILE 200
Hudson Crossing Park, Lock 5, Schuylerville , Hudson River
Nancy Robertson, Cornell Cooperative Extension, 4H
Homeschool Group, 9 students K-5th and 9 adults
43°06.993 N, 73°34.34.582'W**



Location: Hudson Crossing Park, Lock 5 in Schuylerville, NY
Area: Old industrial site now used for recreation – waterfalls. Boating, fishing
Surrounding Land Use: 20% urban/residential; 80% forested; 10% park.
Sampling Site: Stone bridge, pylons, abutment, shoreline banks altered, bedrock covered in vegetation. Across from site are remains of old mills with concrete walls & residential housing
Plants in water: No
Plants in area: oak, sumac, honeysuckle
Water Bottom: rocky bottom, sandy
Water depth: 2 meters

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	9:15 AM	17 °C 63 °F	11:00 PM	20 °C 68 °F
Wind Speed		Beaufort #0-1	No real wind	
Cloud Cover	Drizzling, misty, foggy, humid			
Weather yesterday	Lots of rain			
<i>Water Temperature</i>	11:00 AM	17°C 62 °F		
<i>Water surface</i>	Water calm			
<i>Turbidity - secchi</i>	11:45 AM	1.2 meter		
<i>Chlorophyll</i>	11:00 AM	0.5-1.0		
<i>Chemical</i>				

pH – color drop kit	11:20 AM	7.6 7.6		Average 7.6
Salinity – quantabs	Not read			
Dissolved Oxygen – digital titration	11:30 AM	7.0 ppm	17° C	75% saturation
<i>Fish Catch</i>	<i>Number Caught</i>	<i>Species</i>		<i>Minnow traps</i>
<i>Currents /Flow</i>		<i>Cm/sec</i>	<i>Knots</i>	<i>North/South</i>
<i>50 foot run = 1524 cm</i>		35.44 25.83 39.08	0.69 0.50 0.76	South South SOuth
<i>note bridge abutment in middle of river and waterfalls above the site</i>				
<i>Core</i>	<i>Length</i>	<i>Common</i>	<i>Abundant</i>	<i>Comments</i>
<i>11:15 AM -</i>	Bottom fine grain and black then brown and sandy and top was course gravel and leaves	Course Gravel and leaves on top layer	Sand	Mostly sand but core had 3 distinct sections
<i>Traffic</i>				
<i>Other</i>				