

**Day in the Life of the Hudson River 10/10/13 Data
(Above the Troy Dam and the Head of Tide)
RIVER MILE 154**

Pebbles Island State Park, Waterford, NY

**Kathy Czajkowski Mohawk Watershed Coordinator, and 2 SCA helpers
Ms. Fecura, Ms. Town and Mr. Flannery and the Wynantskill Union Free School
District**

32 students – 4th grade, 10 adults total



Location: Pebbles Island Park at the confluence of the Hudson River and the Mohawk River, Waterford, NY

Area: park just north of the Troy dam

Surrounding Land Use:

Sampling Site:

Shoreline:

Plants in area:

Water depth:

River Bottom description:

<i>A</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	9:15 AM 9:35 9:55 10:25 10:55	54°F 53 54 52 54	°C	
Wind Speed	9:35 AM 9:55 10:25 10:55	1.2-1.7 mph 0.8-2.6 1.0 1.3	Direction:	
Cloud Cover				
Weather today	Sun tapering to clouds, cool and light breeze			
Weather recently				
<i>Water surface</i>				

Water Temperature		°C		°C
Turbidity – long site tube	9:15 AM 9:35 9:55 10:25 10:55	12 cm 25 cm 22 cm 10.2 cm 31 cm		°C
Chemical	Time	Water Temp	ppm	saturation
DO	9:15 AM 9:35 9:55 10:25 10:55	15 °C 16 16 16 16	13 ppm 12 ppm 9 17 12	126% 120 120 150 120
pH - meter	9:15 AM 9:35 9:55 10:25 10:55		8 ppm 7.5 7.5 7.5 7.5	Average
Fish Catch – 25 ft. net	Time	Number Caught	Species	Size Largest
	9:35 AM	3 fish	unidentified	
	9:55 AM	2	Golden Shiners	
	10:25 AM	2	Golden Shiners	
	10:55 AM	1	Spottail Shiner	1.5 inches
River Velocity	9:15 AM 9:35 9:55 10:25 10:55	18.2 ft/min 30.3 ft/min 12.2 ft/min 15.4 ft/min 15.4 ft/min	555cm/min 924cm/min 372cm/min 469cm/min 469cm/min	9.25 cm/sec 15.4 cm/sec 6.2 cm/sec 7.82 cm/sec 7.82 cm/sec
Core Sample	7.5 cm core sample			
Flow		cm/sec		
Boat Traffic				