

Day in the Life of the Hudson River 10/12/17 Data
(Salt Front: RM 65)
(Above the Troy Dam and the Head of Tide)
RIVER MILE 154
Pebbles Island State Park, Waterford, NY
Laura Murawski, Cohoes High School
50 9th graders, 5 adults
42°47'7N and 73°40'44W

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

Area: park just north of the Troy dam at the pavilion, grassy embankment, rip rap

Surrounding Land Use: 80% forested 20% industrial/commercial

Sampling Site: muddy and weedy bottom

Shoreline: beach, vegetation, riprap, pipe entering the water

Plants in area: no plants

Water: calm

River Bottom description: sandy and rocky

	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
Physical				
Air Temperature	11:05 1:23	57°F 59°	13.9°C 15°	
Wind Speed	11:43	Beaufort #1	Northeast	
Cloud Cover	11:00, clear			
Weather today	Clear			
Weather recently	Rained day before			
Water surface	Calm			
Water Temperature	10:45 9:45	62°F 62.6	16.7°C 17°C	
Turbidity – long site tube	10:00	46 cm 54.75 36.25	Average: 45.7	
Chemical	Time	Water Temp	ppm	saturation
DO - drop count	9:45 10:45 1:00	17°C 18 15	12ppm 10 10	125% 105 100
pH – meter	9:45 10:42	7 7	Average: 7	
Fish Catch – 10 ft. net	Number	Species	Size largest	
	1 20 6 1	Sun fish Spottail shiner Tessellated darter Banded killifish	12cm 8 6 6	DIV: 4 TOTAL: 28
Macroinvertebrates	Number	Species	Size largest	
	1	Dragonfly larvae		
Salinity	Time	Reading		

<i>Quantab strips</i>	9:45 10:45	0.006 0.005	37 Cl ⁻ 32	66.8 ppm TS 57.8
Currents	Time	Ebb-Flood-Still		
	9:30 11:00 1:37	Still Still Still		
<i>Sediment Core</i>	<i>Description</i>	<i>Rare</i>	<i>Common</i>	<i>Abundant</i>
	13cm length H ₂ S smell	Shells/Oysters Macroinvertebrates	Clay	Mud Sand