

Day in the Life of the Hudson River 10/16/18 Data
SCHODACK ISLAND
Schodack Landing, Rensselaer County, NY
RIVER MILE: 133.4
Salt Front: ~RM 24
Berkshire Waldorf High School, Earth Science Class-
12 students 10th grade, 2 adults
Lee Magadini, Berkshire Waldorf HS
Latitude 42.499487 N & Longitude – 73.776702 W



Location: Schodack Island State Park, Schodack Landing, Rensselaer County, NY
Area: 1052 acres- park and boat launch area- grassy area with concrete walkway, parking lot, and boat launch.
Surrounding Land Use: 100% parkland for recreation
Sampling Site: Boat landing
Shoreline: Rocky; banks altered, riprap, concrete bulkhead, pipe entering the water.
Water Depth: Deep drop off from the bank; choppy
Plants in area: No plants in the water area.
River Bottom description: rocky (sharp drop off beyond bulkhead)

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
<i>Physical</i>				
<i>Air Temperature</i>	10:09 AM	10 °C	50 °F	
	10:35 AM	10 °C	50 °F	
	11:17 AM	10 °C	50 °F	
<i>Wind Speed:</i>	9:45 AM	Beaufort: #2	West	
<i>Weather today</i>	No rain, partly cloudy (26-50%)- Strato-cumulous			
<i>Weather recently</i>	10/14 sunny; 10/15 rain, heavy at times; 10/16 sunny with clouds			
<i>Water Temperature</i>				
<i>Turbidity - secchi disk</i>	10:55 AM	54 cm, 60 cm, Avg: 57 cm		Muddy, brown, and murky; reading taken from floating dock at boat launch.
<i>Chemical</i>				
<i>Salinity- Low Range Quantabs</i>	10:01 AM	31 ppm Cl ⁻	Total salinity 56 ppm	
<i>DO –</i>	<i>Time</i>	<i>Temp °C</i>	<i>ppm DO</i>	<i>% saturation</i>
	9:57 AM	7.5	12	100%
	10:10 AM	10	13	116%
<i>pH – color match test kit</i>	10:26 AM	7.6		
<i>Nitrate - Drops - personal kit</i>	10:40 AM	0 ppm		

<i>Nitrite – Drops - personal kit</i>	10:40 AM	0.5 ppm		
<i>Ammonia – Drops - personal kit</i>	10:40 AM	0 ppm		
<i>Fish – seine net from DEC</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	
<i>10:55 AM (2 seines total)</i>	3	Banded Killi	10 cm	
Fish Totals	TOTAL: 3	Diversity: 1		
<i>Boat Traffic Commercial</i>	<i>Name</i>	<i>Color</i>	<i>North or South</i>	<i>Loaded or Light</i>
<i>Tides- tide stick tied to post in the water</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>	<i>Height (cm)</i>	<i>Rate of Tidal Change (cm/min)</i>
	10:36 AM	-	NA	-
	11:04 AM	Falling	-10 cm	0.36
	11:33 AM	Falling	-10 cm	0.34
<i>Current-</i>	<i>cm/second</i>	<i>Knots</i>	<i>North/South</i>	<i>Ebb/Flood/Still</i>
9:49 AM	14.3	.28	South	Ebb
10:37 AM	29.4	.57	South	Ebb
11:15 AM	28	.54	South	Ebb
9:36 AM	Panvision	Black/Red- US flag	North	Huge Commercial Freighter!
<i>Recreational</i>	<i>Name</i>	<i>Color</i>	<i>North or South</i>	<i>Loaded or Light</i>
9:47 AM	Island	White/Green	South	Sailboat
Other Observations	10:58 AM Bald Eagle flying over river south of launch	Full shells of 3-5 mm clams at boat launch		