

Day in the Life of the Hudson River 10/20/16 Data

(Saltfront ~RM 83)

RIVER MILE 145.5

**Karen Strong, Sean Madden NYDEC HREP, Corning Preserve, Albany Boat Basin,
Albany (and DEC Commissioner Martens)**

**Deanna Carras, Natalie Aiello, Montessori Magnet School, 4th grade, 45 students,
10 adults**

Latitude 43 Longitude 74

Location: Floating dock at riverfront park

Area: A path along the beach with rising forested hills, trees along both sides, plants along shore, bridges and boats. Dock on the shore, 2-3 pipes going into the water

Surrounding Land Use: 70% Industrial/commercial; 25% Urban/Residential, 5% Park – used for fishing, jogging, boating

Sampling Site: vegetation, banks altered, shoreline with riprap – floating dock, concrete bulkhead

Plants: no plants in water. Along shoreline cottonwood and maple trees.

River Bottom: muddy

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
Physical				
Air Temperature	9:38 AM	16.6 °C		
Wind Speed	9:38 AM	0 mph		
Cloud Cover	Mostly cloudy			
Weather today	No rain			
Weather recently	Warm and dry			
Water calm	calm			
Water Temperature	10:35 AM	17°C	Water depth 13 cm	
Turbidity – long site tube	10:05AM	120 cm	Water fairly clear	
Chemical				
DO	10:48 AM	10 mg/L	17°C	100%
pH – color match	10:00 AM	7.8		
Salinity - quantab	10;55 AM	1.2 quantab reading	46 ppm Cl-	83 ppm Total Salinity
Fish Catch <i>Seine 20 ft. X 3 ft i</i>	Number Caught	Species	Length	Seine
	1	Striped Bass	10 cm	Diversity 5
	3	Banded Killifish	6 cm	Total Catch 14
	8	Brook Silverside	9 cm	
	1	Yellow perch	20 ppm	

	1	Pumpkinseed	4 cm	
<i>Tides</i>	NR			
<i>Currents –</i>	<i>Time</i>	<i>Secs. in 762 cms</i>	<i>cm/sec</i>	<i>Average</i>
	9:52 AM	24.21secs.	32 cm/sec	