

**Day in the Life of the Hudson River 10/12/17 Data
(Saltfront ~RM 65)
RIVER MILE 145.5**



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

**Deanna Carras, Natalie Aiello, Montessori Magnet School, 4th grade, 45 students, 8
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. Large bridge for trains over water. Highway elevated.

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>
<i>Physical</i>				
Air Temperature	10:00 AM	19.7°C	67°F	
Wind Speed	10:00 AM	0 mph		

	1:05 PM	3.3 mph	N	
Cloud Cover	Partly cloudy	26-50%		
Weather today	Clear with a few clouds - more sun later in the day			
Weather recently	Warm and some wet			
Water calm	NR			
Water Temperature	10:15 AM	18°C	64.4°F	
Turbidity – long site tube	10:20 AM	120 cm	Water fairly clear	AVERAGE 122 cm
	11:04 AM	126 cm		
	1:20 PM	120 cm	Water fairly clear	
Chemical				
DO	9:50 AM	10 mg/L	18°C	100%
	10:33 AM	10 mg/L	18°C	105%
	12:00 PM	10 mg/L	20°C	105%
pH – color match	12:05PM	7.7		
Salinity - quantab	12:17 PM	2.2 quantab reading	55 ppm Cl-	99 ppm Total Salinity
		0.8		
Fish Catch Seine 19 ft. X 3 ft	Number Caught	Species	Length	Seine
11:00 AM	3	Spottail Shiner	5 cm	Diversity 3
	8	Banded Killifish	9.5 cm	Total Catch 18
	1	Brook Silverside	8 cm	
	6	killifish	9.5 cm	
Tides	9:37 AM	Low Tide		
	12:47 PM	Extremely Low Tide		
Currents –	Time	Secs. in 762 cms	cm/sec	Average
	AM	Still	Orange did not move	
	12:05 PM	39.25 secs/762 cm	19.41	0.38 kts
	12:05 PM	38.85 secs/762 cm	19.61	0.38 kts
	12:05 PM	39.64 secs/762 cm	19.22	0.37 kts
Commercial Traffic	9:52 AM	DEC fishboat	Gray	Northbound
	10:08 AM	Coastguard boat	Gray	Southbound
Recreation traffic	12:30 PM	Sailboat		Southbound
	1:45 PM	Cruise	Independence	Southbound

<i>Other items</i>	Grasshoppers, frogs, birds (seagulls), fish jumping in water, butterfly.
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