

**Day in the Life of the Hudson River 10/16/18 Data**  
**CORNING PRESERVE, ALBANY**  
**Albany Boat Basin, NY**  
**RIVER MILE: 145.5**  
*Salt Front: ~ RM 24*  
**Montessori Magnet School-**  
**45 students 4<sup>th</sup> grade, 10 adults**  
**Natalie Aiello, Montessori**  
**Latitude 42.64906 N & Longitude – 73.74696 W**

**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, pier and boat launch

**Shoreline:** Cottonwood and maple trees

**Plants in area:** No plants in water area.

**River Bottom description:** muddy

**Sample Timeframe 9:00 AM -1:45 PM**

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
<b>Physical</b>				
<i>Air Temperature</i>	9:53 AM- 12:31 PM	15°C- 20°C	59°F -68°F	
<i>Wind Speed: anemometer</i>	9:53 AM- 12:31 PM	3 mph -7 mph	2.6 knots- 6.1 knots	North
<i>Weather today</i>	Partly cloudy to mostly cloudy (56-75%)			
<b>Water Temperature</b>	9:53 AM- 12:31 PM	13.5 °C	56.3 °F	
<b>Turbidity - long sight tube</b>	9:53 AM- 12:31 PM	71.2 cm -116.2 cm		
<b>Chemical</b>				
<i>Salinity- Hydrometer</i>	9:53 AM- 12:31 PM	500 ppm ( <i>hydrometer is read ppt not ppm - expect air bubble</i> )	<i>*This is very high for this area and hydrometer would not be the right instrument here.</i>	
<i>DO –</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
		13.5 °C	11	100
<i>pH – color match test kit</i>	9:53 AM- 12:31 PM	7.1		
<b>Fish</b>	<b>Number</b>	<b>Name</b>	<b>Length of</b>	
	11	Spottail Shiner		<i>*record here as one although dumped before counted</i>
	39	Herring		
	1	White Perch		
	1*	White Sucker*		
	1	Bluegill		
	1	American Eel		
	1	Banded Killifish		
	1	Striped Bass		
<b>Fish Totals</b>	<b>TOTAL: 55</b>	<b>Diversity: 8</b>		
<b>Current-</b>	<b>cm/second</b>	<b>Knots</b>	<b>North/South</b>	<b>Ebb/Flood/Still</b>
9:53 AM- 12:31 PM	26.28 cm/sec- 15.24 cm/sec	0.51 knots – 0.296 knots	-	-