

Day in the Life of the Hudson River 10/22/19 Data
CORNING PRESERVE, ALBANY
Albany Boat Basin, NY
RIVER MILE: 145.5
Salt Front: ~ RM 53
Montessori Magnet School-
45 students 4th 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

ITEM	Time	Reading		Comments
Physical				
<i>Air Temperature</i>	10:45 AM	14.4°C	°F	
	11:45 AM	15.4°C		
	12:30 PM	16.2 °C		
<i>Wind Speed: anemometer</i>	9:34 AM	7.5 mph		South
	10:21 AM	6.2 mph		
	11:40 AM	2.9 mph		
	12:23 PM	5.4 mph		
<i>Weather today</i>	Overcast all day >75%			
Water Temperature		°C	°F	
Turbidity - long sight tube	9:58 AM	46.1 cm		Average 42 cm
	11:59 AM	54.1 cm		
	12:48 PM	46.6 cm		
Chemical				
<i>Salinity- Hydrometer</i>	9:51 AM	0	<i>*This is very high for this area and hydrometer would not be the right instrument here.</i>	
	10:35 AM	0		
	11:52 AM	0		
	12:40 PM	0		
<i>DO –</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
	9:31 AM	12 °C	12 ppm	100
	10:19 AM	12 °C		
	11:34 AM	12 °C		
	12:3 0 PM	12 °C		
<i>pH – color match test kit</i>	9:51 AM	7.		
	10:35 AM	7.1		
	11:52 AM	7.1		
	12:40 PM	7.1		
Fish	Number	Name	Length of	
	4 groups seined during the day – totals listed	20	Spottail Shiner	100 mm
		28	Banded Killifish	75 mm
		6	Sunfish	42 mm
		1	Bluegill Sunfish	20 mm

	1	Blacknosed Dace	44 mm	
Fish Totals	TOTAL: 56	Diversity: 5		
<i>Current-</i>	<i>cm/second</i>	<i>Knots</i>	<i>North/South</i>	<i>Ebb/Flood/Still</i>
9:45 AM	15.24 cm/sec-		-	Ebb
10:36 AM	14.1cm/sec			Ebb
11:56 AM	30 cm/sec			Ebb
12:41 PM	14.6 cm/sec			Ebb