

Day in the Life of the Hudson River 10/22/20 Data
CORNING PRESERVE, ALBANY
Albany Boat Basin, NY
RIVER MILE: 145.5
Salt Front: ~ RM 75
Mary Cosgrove & Students
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: 80% Highway/Boat Launch; 20% Urban/Residential,

Sampling Site: vegetation, banks altered, shoreline with riprap- floating dock, concrete bulkhead, pier and boat launch

Shoreline: 50% muddy, 50% rocky

Plants in area: NR

River Bottom depth: 5 meters

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
Physical				
<i>Air Temperature</i>	11:30 AM	22°C	71.6 °F	
<i>Wind Speed: anemometer</i>	11:30 AM	3.6 m/hr 2.5 m/hr		South
<i>Weather today</i>	Partly cloudy 26-50% - no rain			
<i>Water Temperature – water 10-15 ft.</i>	11:00 AM 11:08 AM	16°C 15°C	60.8°F 59°F	
<i>Turbidity - long sight tube</i>	1:10 PM	100.2 cm		
Chemical				
<i>Salinity- Hydrometer</i>	NR			
<i>DO –</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
	1:00 PM	15 °C	10 ppm	100
<i>pH – color match test kit</i>	12:21 PM 12:27 PM 12:31 PM	7. 7 7		
Biological				
<i>Fish</i>	<i>Number</i>	<i>Name</i>	<i>Length of</i>	
<i>None caught</i>				
Fish Totals	TOTAL:	Diversity:		
<i>Current-</i>	<i>cm/ 30 second</i>	<i>Cm/sec</i>	<i>North/South</i>	<i>Ebb/Flood/Still</i>
11:18 AM	762 cm	25.4 cm	-	Ebb
11:22 AM	603 cm	20.1 cm		Ebb
11:28 AM	796 cm	26.5 cm		Ebb