

**Day in the Life of the Hudson River 10/13/22**

**Corning Preserve Boat Launch, Albany, NY**

**RIVER MILE: 145.5**

*Salt Front: ~ RM 76*

**DEC Accessibility Program & RiverRun Montessori Home School– Leah Atkins**

*10 students & 10 adults (1<sup>st</sup> through high school)*

**Latitude 42.64906°N & Longitude – 73.74696°W**

**Location:** Floating dock at the riverfront park at Corning Preserve Boat Launch, Albany, NY

**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:** 100%

**River Bottom:** Muddy

**Water:** Calm

**Plants in the Water:** NR

\*NR = Not read/recorded

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
<b>Physical</b>				
<i>Air Temperature- NR</i>				
<i>Wind Speed: NR</i>		<i>Anemometer</i>	<i>Beaufort</i>	<i>Direction</i>
<i>Weather today</i>	11:00 AM	>75% cloud cover	Drizzle	
<i>Weather the past 3 days:</i>	NR			
<i>Tides- NR</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>	<i>Water Height (cm)</i>	
<i>Current-</i>	<i>Time</i>	<i>Cm/sec</i>	<i>Knots</i>	<i>North/South</i>
	10:35 AM	3.5	NR	NR
	11:45 AM	2.82		Ebb
				Ebb
<i>Water Temperature-</i>	11:05 AM	17°C		62.6°F
<i>Turbidity- Long Sight Tube (120 cm)</i>	10:30 AM	93.4 cm		
<b>Chemical</b>				
<i>Salinity-NR</i>				
<i>Standardized Salinity – NR</i>				
<i>DO – Hach Drop Count Kit</i>	<i>Time</i> 11:05 AM	<i>Temp</i> 17°C	<i>ppm DO</i> 10 ppm	<i>% saturation</i> 100%
<i>pH – Color Match Kit</i>	11:05 AM	7.25		
<i>Nitrates- NR</i>				
<i>Phosphates- NR</i>				
<i>Alkalinity- NR</i>				
<b>Biological-</b>				
<i>Fish – Seine - 4 pulls</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>
<i>10:00 AM- 11:30 AM</i>	379	Blueback Herring	7.5 cm	3 cm
	6	Spottail Shiner	7.5 cm	7.2 cm
	5	Banded Killifish	8.5 cm	4 cm
	2	White Perch	9 cm	8.5 cm
	8	Striped Bass	8.5	7.5 cm

<b>Fish Totals</b>	<b>TOTAL: 400</b>	<b>Diversity: 5</b>			
<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>	
	1	Crayfish			
<b>Macroinvertebrate Totals</b>	<b>TOTAL: 1</b>	<b>Diversity: 1</b>			
<i>Sediment Core – NR</i>					
<b>Length</b>	<b>H2S smell</b>	<b>Oxid Top</b>	<b>Oil</b>	<b>Grain Size</b>	<b>Other Features</b>
<i>Boats- NR</i>					
	<b>Time</b>	<b>Name</b>	<b>Color</b>	<b>North/Southbound</b>	<b>Light/Loaded</b>
Commercial					
Recreational					