

Day in the Life of the Hudson River 10/14/21 Data
Pier I, 59th Street, Manhattan
RIVER MILE: 6.8
Hudson River Salt Front: ~ RM 49
Speyer Legacy School, Kimberly Schwab
52 students, 7 adults
Latitude – 40.778578 N & Longitude – 73.990636 W

Location: Pier I, 59th Street, Manhattan, NY

Area: Restored former railroad pier and parking lot

Surrounding Land Use: 90% Urban/Residential, 10% Beach

Sampling Site: Pier

Shoreline: 10% muddy, 90% Rocky, Tiny beach area, shore with concrete bulkhead, riprap, covered with vegetation, old railroad pilings, brick pieces

River Bottom: Rocky

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
<i>Physical</i>				
<i>Air Temperature:</i>	11:00 AM	23.3 °C	74 °F	
<i>Wind Speed:</i>	11:00 AM	Beaufort 0		
<i>Weather Today:</i>	No rain, Partly cloudy (26-50%)			
<i>Weather Previous:</i>	Cooler than day prior			
<i>Tides</i>	During sampling	~11:00 AM	Falling	
<i>Currents</i>	11:03 AM	85 cm/sec	1.65 knots	South/Ebb
<i>Water Temperature</i>	11:00 AM	16 ° C	60 ° F	*this temperature is low compared to others in the area
<i>Turbidity - long sight tube</i>	11:00 AM	58 cm		
<i>Chemical</i>				
<i>Salinity- Hydrometer</i>	11:09 AM	7,000 ppm		
<i>DO – Hach Drop Count Kit</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
	11:00 AM	N/R with DO collection	8 ppm	65%

<i>pH – Color match kit</i>	11:03 AM	7.3		
<i>Biological</i>				
<i>Fish & Macros</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of Shortest</i>
	5	Tautog		
	6	Cunner		
Total	11	2		