

Day in the Life of the Hudson River 10/14/21

Hudson River Park Pier 84, Manhattan

RIVER MILE: 5.6

Salt Front: ~ 49

Anna Koskol & Hudson River Park Trust

Gateway School

26 students (6th grade) & 6 adults

Latitude 40.763934 N & Longitude – 74.001174 W

Location: Hudson River Park, Pier 84, Manhattan, NY

Area: Pier, bulkhead, mainly concrete and wood, grass on the pier.

Surrounding Land Use: 60% Urban/Residential, 40% Industrial/Commercial

Sampling Site: An educational/recreational pier used for picnics, boating, jogging, fishing. Concrete bulkhead, rocks near the edge, banks altered, all hard edged, pipe entering the water.

Shoreline: Concrete bulkhead- all hard edged Water: 609.6 cm

River Bottom: Muddy, sandy, rocky

Plants in water: No plants in water area

*NR = Not read/recorded

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
Physical				
<i>Air Temperature</i>	12:30 PM	22.9 ° C	73.22° F	
<i>Wind Speed:</i>	12:30 PM	<i>Anemometer</i> 6.8 mph	<i>Beaufort</i> NR	<i>Direction</i> NR
<i>Weather today</i>	12:30 PM	<25 % cloud cover	No rain	
<i>Weather the past 3 days:</i>	Between 60 and 75 degrees with only a few very light showers and no notable wind			
<i>Tides-</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>	<i>Height (cm)</i>	
	NR	NR	NR	
<i>Current-</i>	<i>Time</i>	<i>Cm/sec</i>	<i>Knots</i>	<i>North/South</i>
	NR	NR	NR	NR
<i>Water Temperature-</i>	12:30 PM	21.67° C	71.01° F	
<i>Turbidity- Long Sight Tube</i>	12:56 PM 1:23 PM 1:39 PM	62 cm 61.5 cm 62 cm		
Chemical				
<i>Salinity- Hydrometer</i>	12:30 PM	12.33 ppt		
<i>Standardized Salinity- refractometer</i>	2:23 PM	10 ppt		
<i>DO – Ampules</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% Saturation</i>
	12:30 PM	21.67° C	6.67	73.3%
<i>pH – HRECOS</i>	12:30 PM	7.7		
<i>Nitrates-</i>	NR	NR		
<i>Phosphates-</i>	NR	NR		
Biological				
<i>Fish -</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>
<i>*No seining at this site</i>				
Fish Totals	TOTAL:	Diversity:		

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