

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

**Pier 45, Hudson River Park, NYC**

**RIVER MILE: 3.2**

*Salt Front: ~ 76*

**Lab High School– Susan Price**

*28 students & 2 adults*

**Latitude 40.73315 °N & Longitude – 74.01369 °W**



**Location:** Hudson River Pier 45 also known as the Christopher St. Pier, Manhattan, NYC

**Area:** At the foot of the pier near the former NYC water taxi boarding ramp on the south side of the pier.

**Surrounding Land Use:** 100% Hudson River Park with walkway and small grassy area. 100% Commercial/Urban

**Sampling Site:** Pier, grassy, concrete bulkhead

**Shoreline:** NR

**River Bottom:** NR

**Water:** NR

**Plants in the Water:** No plants in the water

\*NR = Not read/recorded

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>	
<i>Physical</i>					
<i>Air Temperature-</i>	1:00 PM	20°C	68°F		
<i>Wind Speed:</i>	1:43 PM	<i>Anemometer</i> 4.2 m/s	<i>Beaufort</i> 3	<i>Direction</i> N	
<i>Weather today</i>	1:00 PM	>75% cloud cover	Drizzle		
<i>Weather the past 3 days:</i>	No Rain Oct. 10,11, of 12				
<i>Tides-</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>		<i>Water Height (cm)</i>	
	1:00 PM-2:00 PM	Slack tide Falling		NR	
<i>Current-</i>	<i>Time</i>	<i>Cm/sec</i>	<i>Knots</i>	<i>North/South</i>	<i>Ebb/Flood/Still</i>
	1:00 PM	0 cm	0 kts	No movement	Still
<i>Water Temperature-</i>	1:00 PM	17°C	63°F		
<i>Turbidity- Long Sight Tube (120 cm)</i>	1:25 PM	58 cm			
<i>Chemical</i>					

<b>Salinity-Refractometer</b>	1:28 PM	25 ppt			
<b>Standardized Salinity – Refractometer</b>	1:10 PM	22 ppt			
<b>DO – Meter/Probe</b>	<i>Time</i> 1:00 PM	<i>Temp</i> 17°C	<i>ppm DO</i> 8.43 ppm	<i>% saturation</i> 87%	
<b>pH – Color Match Kit</b>	1:49 PM	7.8			
<b>Nitrates-</b>	1:31 PM	0 ppm			
<b>Phosphates- NR</b>					
<b>Alkalinity- NR</b>					
<b>Biological-</b>					
<b>Fish – Rod and Reel &amp; trap</b>	<b>Number</b>	<b>Name</b>	<b>Length of longest</b>	<b>Length of smallest</b>	
1:00 PM-2:00 PM	1 1	Oyster Toadfish Tautog (Blackfish)	*rod & reel *baby in a trap		
<b>Fish Totals</b>	<b>TOTAL: 2</b>	<b>Diversity: 2</b>			
<b>Macroinvertebrates</b>	<b>Number</b>	<b>Name</b>	<b>Length of longest</b>	<b>Length of smallest</b>	
<b>Macroinvertebrate Totals</b>	<b>TOTAL: 0</b>	<b>Diversity:0</b>			
<b>Sediment Core – NA</b>					
<b>Length</b>	<b>H2S smell</b>	<b>Oxid Top</b>	<b>Oil</b>	<b>Grain Size</b>	<b>Other Features</b>
<b>BOATS- SEE PDF FILE FOR A FULL LIST OF BOATS</b>					
	<b>Time</b>	<b>Name</b>	<b>Color</b>	<b>North/Southbound</b>	<b>Light/Loaded</b>
Commercial					
Recreational					

NAME OF STUDENT	COMMERCIAL RIVER					RECREATIONAL RIVER			
	TIME	NAME	COLOR	NORTH OR SOUTH	LOADED OR LIGHT	TIME	NAME	COLOR	NORTH OR SOUTH
Ellie Berman	10:02	NY Waterway	Blue and White	South	Loaded	10:03	Fishing Boat	Red and White	NORTH OR SOUTH
Adam Kominik	10:03	Fishing Boat	Red and White	North	Light	5'10			
Jack Davis	10:57	Barge	Dark Grey	South	Loaded	10:07	Dingy/speed boat	White/black/grey	North
Ellie Berman	10:05	NYPD Police Boat	Blue and White	North	Light	10:06	Small Personal Boat	Black	North
Cooper Ingoglia	10:05	NYPD Police Boat	Blue and White	North	Light	10:06	Dingy	balck and grey	North
Michelle Jiang	10:07	Ferry	Blue and White	North	Loaded	10:05	Fishing boat	Red and white	South
Grace Cabrera	10:07	Ferry	blue and White	South	Loaded	10:03	Small fishing boat	red and white	North
Harrison A	10:01	Ferry	blue and White	north	light	10:04	Speedboat	Red and White	north
Harrison A	10:02	NYC Waterway	Blue and White	south	light	10:06	Dingy	Black	north
Ellie Berman	10:01	Ferry	Blue and White	South	Loaded				
Ellie Berman	10:24	Circle Line Ferry	Red and White	South	Loaded				
Mattia Bianco	10:01	Ferry	blue and White	North	loaded	10:06	Dingy	Black/Grey	North
Jeffrey Wong	10:04	Police boat	Blue and white.	North	Light	10:06	Dingy	Black/Grey	North
Brandon c	10:05	NYPD	Blue and white	North	Light	10:06	Inflatbale speed boat	Black/White	North
Harrison A	10:05	NYPD	Blue and wite	north	light	10:04/05	Dingy	Grey and black	North
Arden Sklar	10:05	NYPD boat	Blue and white	N	light	10:05	Dingy	Grey/black	N
Sasha Sapon	10:05	NYPD	Blue/white	N	Light	10:05	Dingy	Grey/black	N
Eytan Malka	10:01	N/A	blue/white	N	light	10:06	n/a	grey	N
Eytan Malka	10:02	n/a	blue/white	S	light	10:32	n/a	white/blue	N
Eytan Malka	10:03	n/a	red/white	N	light	10:33	n/a	grey/white	N
Eytan Malka	10:04	NYPD	blue/white	N	light	10:34	n/a	white	S
Noah Kanter	10:02	N/A	Blue/White	S	Loaded	10:06	No name	Grey	N
Noah Kanter	10:03	Fishing boat	Red/White	N	Light	10:32	Sail Boat	White	N

