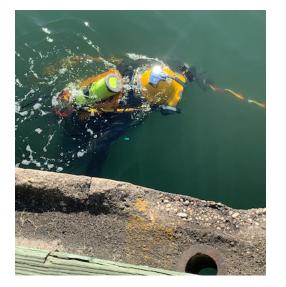
Day in the Life of the Hudson River 10/14/22 Pier 1 Lighthouse Museum, Staten Island RIVER MILE: -4.5 Salt Front: ~ 76 Dave Scheffler & Curtis High School





30 students & 3 adults Latitude 40.640951 N & Longitude – 74.073463 W



Location: Pier 1 Lighthouse Museum, Staten Island, NY Area: Pier with parking lot. Surrounding Land Use: 100% Urban Sampling Site: Wood bulkhead, concreate bulkhead, banks altered, riprap Shoreline: 20% sandy, 30% muddy, 50% rocky. River Bottom: Rocky Water : Calm

*NR = Not read/recorded

ITEM	Time	Reading		Comments					
Physical									
Air Temperature	9:35 AM	° C	48 ° F						
	10:23 AM		51° F						
	11:35 AM		56°F						
Wind Speed:	10:30 AM	Anemometer	Beaufort	Direction					
			1	SE					
Weather today	11:30 AM	<51-75% cloud	No rain						
		cover							
Weather the past 3	Was warmer than today!								
days:		-							

Tides-	Time	Time Rising, Unchai		Falling, 1ged	Height (cm)	
	9:30 AM 10:30 AN	Л	Set Rising		299.72 cm 335 cm	
Current-	11:30 AN <i>Time</i>	/1	Falling <i>Cm/sec</i>		320 cm North/South	Ebb/Flood/Slack
Current-					1101 III/SOuth	
	9:40 AM 10:40 AM		6.4	1.25 NR		Flood/Slack Slack
	10.40 AN 11:40 AN		3.41 10	1.94		Ebb/Slack
Water Temperature			10 17.2°C		72°F	EDD/Slack
water Temperature	- 11.50 AF	VI	17.2 C	,	/2 F	
Turbidity- Long Sig	ht 11:30 AN	М	104.3 c	m		
Tube				~		
Calinita II. duamata		1	27	Chemical		
Salinity- Hydromete	er 10:30 AN	/1	27 ppt			
Standardized Salini NR	ty-					
DO - NR	Time	Тетр			ppm DO	% Saturation
	NR	NR			NR	NR
pH – Color Match K	Kit					
Nitrates- NR						
Phosphates- NR				Biological		
Fish – Rod & Reel	Number		Name	Biologicui	Length of longest	Length of smallest
$\mathbf{F} \mathbf{isn} - \mathbf{K} \mathbf{ou} \mathbf{id} \mathbf{k} \mathbf{k} \mathbf{e} \mathbf{e} \mathbf{i}$	Inumber	5				
		5 4	Tautog Porgy		45.72 cm 24.13 cm	15.24 cm 20.32 cm
Fish Totals	TOTAL		Divers	ity. 2	24.13 CIII	*Note 2 dogfish left
i ișii i otaiș	TOTAL	101AL.)		ity: 2		by anglers (60.96 &
Macroinvertebrates	Number	Number			Length of longest	Length of smallest
*no small crabs of						
fish this year. Oyste cages had been	er					
vandalized & removed						
Macroinvertebrate Totals	TOTAL	OTAL:0		ity: 0		
Totals			Se	diment Core		
Length	H2S smell	Oxi	d Top	Oil	Grain Size	Other Features
NR	No		Yes	NR	Abundant: clay Common: mud, sand	Common: macroinvertebrates, shells, living vegetation
				Boats-NR		regetation
	Time	N	ame	Color	North/Southbound	Light/Loaded
Commercial	10:00AM	0:00AM McA		Red	NE	Working
	10:00 AM	Tug I Maersk		Light Black, Red,	NE	Loaded
intermittent		SI Ferry Orang		Orange	NE	passengers
Recreational		Sailboat White			S	NA

		Fishing Boat	White, Blue	S/drifting	Light		
		Fishing Boat	White	North			
Observations	Kids were amazed after pulling water sample up from the bay and discovering how clear the water actually was. From the pier the kids observed brownish dark color to the water, mostly due to the muddy brown bottom at our test site. This was also enhanced by the overcast day. It appeared that we could see deeper into the long site tube than from the pier itself. The dock is also 7 feet above the water at high tide.						