

Day in the Life of the Hudson River 10/14/21
HUDSON RIVER PARK PIER 40, MANHATTAN
RIVER MILE: 2.9

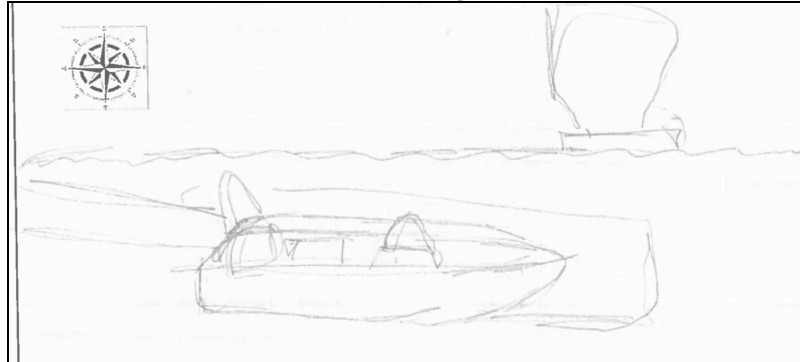
Salt Front: ~ 49

30 students 10th grade & 5 adults

Toland Kister, **Hudson River Park River Project**

Scott Wassmuth, **Museum School, New York City**

Latitude 40.72842 N & Longitude – 74.01379 W



Location: Hudson River Park, Pier 40 (also called North River), Manhattan, NY

Area: Off southern side of Pier 40 about 600-800 feet down the pier from shore. Large urban pier with many sports facilities: athletic fields, kayaking and boathouse, seasonal moorings available, parking, fishing on the pier, benches and picnic tables for the public

Surrounding Land Use: 50% Urban/Residential; 50% Industrial/Commercial

Sampling Site: Pier, Bulkhead, banks altered; concrete and wood piling, large pier extends into river/cement bulkhead south ~100 m

Shoreline: Rocky

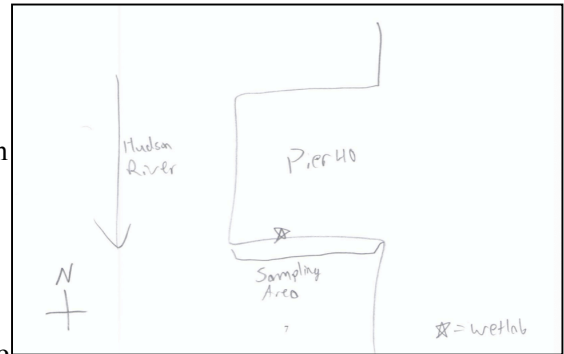
River Bottom: Soft sediment habitat, muddy

Plants in area: no plants in water area

Water: choppy, 15-20 ft

NOTE: this highly urban site is just west of the busy Westside Highway- it is the largest pier in Hudson River Park with a 14 acre footprint; Pier 40 is used for recreation, school groups using the athletic fields; there are 3 public boathouses;

there are many people by the river's edge jogging, biking, and walking.



<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
<i>Physical</i>				
<i>Air Temperature</i>	10:30 AM	18.4 °C	65 °F	
<i>Wind Speed:</i>	N/A	N/A		
<i>Weather today</i>	10:30 AM	26-50% cloud cover	No Rain	
<i>Weather the past 3 days:</i>	Fairly clear, warm, some light precipitation at night			
<i>Tides-</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>	<i>Height (cm)</i>	
Measured change in depth of water at pier	10:28 AM 11:03 AM	Rising Rising	328.3 361.3	
<i>Current-</i>	<i>Time</i>	<i>Cm/sec</i>	<i>Knots</i>	<i>North/South</i> <i>Ebb/Flood/Still</i>
	N/A	N/A	N/A	N/A
<i>Water Temperature-</i>	10:36 AM	22.5 °C	72.5 °F	
<i>Turbidity- Long sight</i>	10:30 AM	39 cm		

<i>tube</i>	10:45 AM 10:55 AM	45 cm 53 cm			
Chemical					
Salinity- Students - Hydrometer	10:33 AM	13.6 ppt	Average reading		
Salinity Standardized - Refractometer	12:30 PM	14 ppt			
DO – chemets	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>	
	10:40 AM	22° C	6 ppm	70%	
pH – color match	10:30 AM	7			
Nitrates-	N/A	N/A			
Phosphates-	N/A	N/A			
Biological					
Fish	Number	Name	Length of longest	Length of smallest	
	1	Black sea bass	4.75 cm		
	1	Oyster toadfish	8 cm		
Fish Totals	TOTAL: 2	Diversity: 2			
Macroinvertebrates	Number	Name	Length of longest	Length of smallest	
	2	Blue Crab	11 cm	< 1 cm	
	16	Isopods (<i>Idotea metallica</i>)	1.2 cm	< 1 cm	
Macroinvertebrate Totals	TOTAL: 18	Diversity: 2			
Sediment Core					
Length	H2S smell	Oxid Top	Oil	Grain Size	Other Features
N/A	N/A	N/A	N/A	N/A	N/A
Boats					
	Time	Name	Color	North/Southbound	Light/Loaded
Commercial	10:56 AM	NY Waterway	White	North	
	10:57 AM	Ferry	White/Blue	North	
Residential					