

Day in the Life of the Hudson River 10/22/20
HUDSON RIVER PARK PIER 40, MANHATTAN
RIVER MILE: 2.9
Salt Front: ~ RM 75



Hudson River Park – Tina Walsh and Siddi Hayes, 1200 participants online event
Latitude 40.72842 N & Longitude – 74.01379 W

Location: Hudson River Park, Pier 40, 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

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>	9:43 AM	18 ° C	64 ° F	
<i>Wind Speed:</i>	9:43 AM	6 knots		
<i>Weather today</i>	Foggy			
<i>Weather past 3 days:</i>	Overcast, chilly			
<i>Tides-</i>	<i>Low Tide</i>	<i>High Tide</i>	<i>Time of Sampling</i>	<i>Tide</i>
	7:23 AM	1:43 PM	9:43 AM	Flood
<i>Current-</i>	<i>Time</i>	<i>cm/second, Knots</i>	<i>North/South</i>	<i>Ebb/Flood/Still</i>
<i>Water Temperature-</i>	9:47 AM	18 ° C	64 ° F	
<i>Turbidity- Long sight tube</i>	9:54 AM	95 cm		
<i>Chemical</i>				
<i>Salinity- Hydrometer</i>	9:43 AM	21 ppt		
<i>DO – Chemets</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
	9:53 AM	18 ° C	7 ppm	75
<i>pH – Meter</i>	9:47 AM	7.5		
<i>Biological</i>				
<i>Fish</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>

	1	Black sea bass	6 cm	
	1	Blackfish	23.5 cm	
	2	Oyster toadfish	18.5 cm	2 cm
	1	Lined seahorse	10 cm	
Fish Totals	TOTAL: 5	Diversity: 4		
<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>
	2	Blue Crab	10.5 cm	5.5 cm
Macroinvertebrate Totals	TOTAL: 2	Diversity: 1		
<i>Sediment Core</i>	<i>Time</i>	<i>Oxidized Top</i>	<i>Grain Size</i>	<i>Other Features</i>
NR				
Boats	Time	Name/Color	North/South	Loaded/Light
NR				
Observations				