

Day in the Life of the Hudson River 10/22/19
HUDSON RIVER PARK PIER 84, MANHATTAN

RIVER MILE: 5.6

Salt Front: ~ RM 53

High School for Environmental Studies- Tiffany Doley

21 students 9th grade, 2 adults

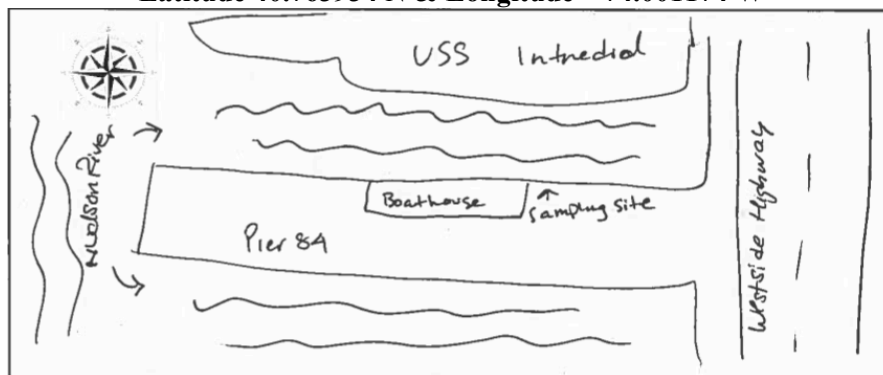
Dual Language Middle School- Aline Gjelaj

9 students 7th grade, 1 adult

Intrepid Museum- 3 staff helpers

Hudson River Park- Anna Koskol + 1 other HRP staff helper

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

ITEM	Time	Reading		Comments
Physical				
Air Temperature	10:30 AM 1:00 PM	58 ° F 59 ° F		
Wind Speed:	NR			
Weather today	Overcast (100%), Mist/light rain/fog			
Weather past 3 days:	Wind and rain			
Tides-	Time	Rising, Falling, Unchanged	Height (in)	Rate of Tidal Change (cm/min)
	NR			
Current-	Time	cm/second	North/South	Ebb/Flood/Still
	NR			
Water Temperature- water collected with a bucket	1:00 PM 1:15 PM 1:30 PM	50 ° F, 60 ° F, 55 ° F 60 ° F, 50 ° F, 55 ° F 60 ° F, 60 ° F, 60 ° F		
Turbidity- Secchi Disk	1:00 PM	69.4 cm, 70.3 cm, 69.7 cm, Avg: 69.8 cm		Light green/brown yellow
Chemical				
Salinity- Hydrometer	1:00 PM 1:15 PM 1:30 PM	12,000 ppm, 17,000 ppm, 14,000 ppm 14,000 ppm, 12,000ppm, 12,000 ppm 16,000 ppm, 14,000 ppm, 15,000 ppm		Average – 14,333 ppm 12,333 ppm 15,000 ppm
DO – CheMets	Time	Temp	ppm DO	% saturation
	1:00 PM	12 ° C	5.5 ppm	50%

	1:15 PM 1:30 PM	12 ° C 15 ° C	7 ppm 6 ppm	64% 58%
<i>pH – pH pen</i>	1:00 PM 1:15 PM 1:30 PM	7.6, 7.6, 7.5 7.6, 7.8, 7.7 7.6, 7.7, 7.8		
<i>Biological</i>				
<i>Fish</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	
Fish Totals	TOTAL: 0	Diversity: 0		
<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	
Eel mop	2 1 3 4 3	Mud Crab (M) Blue Crab Isopods Amphipods Grass Shrimp		
Macroinvertebrate Totals	TOTAL: 13	Diversity: 5		
<i>Sediment Core</i>	<i>Time</i>	<i>Oxid Top</i>	<i>Grain Size</i>	<i>Other Features</i>
Unable to core	NA			
Boats	Time	Name/Color	North/South	Loaded/Light
	NR			
Observations	CSO debris, sea gulls			