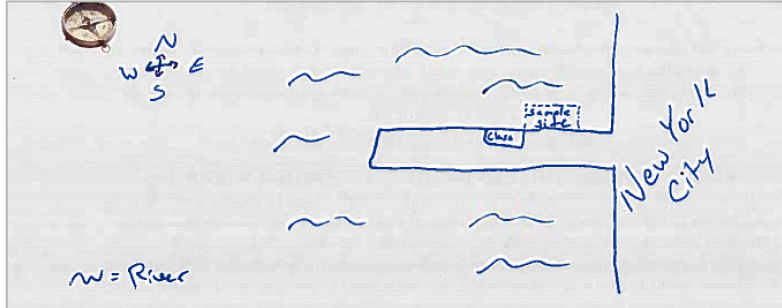


Day in the Life of the Hudson River 10/12/17 Data
(Salt Front ~ RM 65)
RIVER MILE 5.6
Pier 84

N 40.764316 W-74.002065

Tina Walsh and staff from the Hudson River Park
AM CASA School and Lavonne Hunter – 40 sixth graders and 5 adults
PM Gateway School, Vicky Karkazis - 21 total 6th graders and 5 adult



Location: Pier 84, is an educational pier used for picnics, boating, jogging, fishing
Area: Pier – bulkhead – mainly concrete & wood
Surrounding Land Use: 60% urban/residential, 40% Industrial Commercial
Sampling Site: Recreational pier – concrete bulkhead, rocks near the edge, banks altered – all hard edged, pipe entering water
Bottom: muddy
Depth: ~12 feet off pier
Plants in area: No plants
Water:

<i>ITEM</i>	<i>Time</i>	<i>Readings</i>		
<i>Physical</i>				
Air Temperature	10:30 AM	23.3°C	74°F	
	11:30 AM	23.3°C	74°F	
	12:30 PM	23.3°C	74°F	
Wind Speed	10:30 AM		5.2 kts	N
Cloud Cover	11:30 AM	Partly Cloudy	51-75% cloud cover	
Weather today	10:30 AM	Small bouts of rain	Water surface	
Weather recently	Muggy, some rain, windy			
<i>Water Temperature</i>	10:45 AM	17.3°C	63.2 °F	
	1:00 PM	16 °C	60.8 °F	
	1:15 PM	16	60.8	
	1:30 PM	16.7	62.2	

Turbidity <i>Turbidity tube – cm</i>	1:00 PM	47 cm 36 cm 57 cm	Avg. 46.67cm	Water pretty turbid, oil slick on surface, brownish green color
Chemical	Time	ppm	Temp	% Sat
DO Estuary wide monitoring Kit –	10:45 AM 11:15 AM 1:00 PM 1:15 PM 1:30 PM	5,5,6 6,6,6 6 6 6	17.3 16 16°C 16°C 16.7°C	62% 60% 60% 60% 60%
pH kit as above	10:45 AM 11:15 AM 1:00 PM 1:15 PM 1:30 PM	7.4, 7.4, 7.4 7.8, 7.4, 7.8 7.4, 7.4, 7.8 7.8, 7.8, 7.8 7.4, 7.4, 7.4	Average	7.4 7.63 7.53 7.8 7.4
Salinity – hydrometer	10:45 AM 11:15 AM 1:00 PM 1:15 PM 1:30 PM	21,22,22 21,21,21 20, 20, 20 ppt 21, 21, 21 ppt 20, 24	Average	21.6 ppt 21 ppt 20 ppt 21 ppt 22 ppt
Fish Catch	Time	Species	# caught	Size
Macroinverts. – from oyster cage	1	Mud Crab		
	24	Grass Shrimp		
	6	Isopods		
	4	Amphipods		
DIV	4	TOTAL 35		
Tides - water depth	Time	Distance to water	Rate of change	Flood or Ebb
	10:15 AM 11:15 AM 1:00 PM	183 cm 213 cm 244 cm	Falling Falling	Ebbing Ebbing
Currents	Time	Ebb/Flood	Kts	Notes
	NR			
Shipping	None recorded			
Observations	Fallen leaves in the water and floating marine debris. Recent rain may have made the water more turbid. Butterflies – monarch and painted ladies Birds – Passenger pigeons, European starlings and house sparrows			

