Day in the Life of the Hudson River 10/20/15 Data RIVER MILE 4

Pier 84

N 40. 40.76408, W-74 .001893

Tina Walsh and staff from the Hudson River Park
Julie Taegel, City Knoll Middle School, 15 6th graders and 1 adult - AM
Lavonne Hunter, CASA, 45 sixth graders and 5 adults – Mid Day
Christine Kecskemeti, PS 51 Elais Howe School 60 4th graders and 8 adults - PM



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 – rocks near the edge, banks altered – all hard edged,

muddy bottom

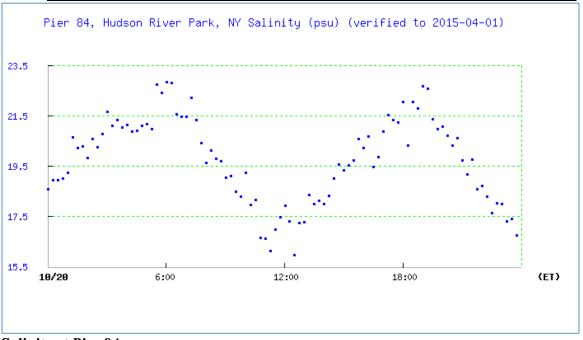
Depth: ~12 feet off pier **Plants in area:** No plants

Water: Calm

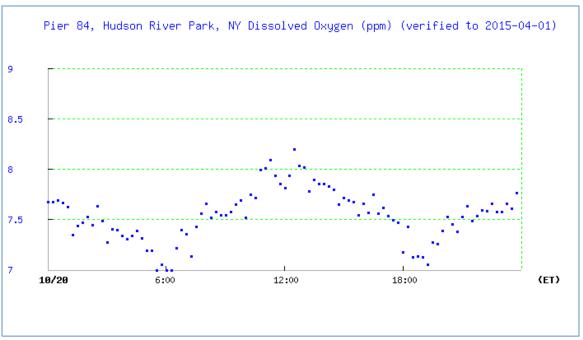
ITEM	Time	Readings		
Physical				
Air Temperature	10:30 AM 11:30 AM 12:00 AM 1:15 PM 1:45 PM 2:00 PM	11°C 12°C 16°C 20°C 19°C 14°C		
Wind Speed	10:30 AM 11:00 AM 11:30AM 12:15 PM 1:15 PM 1:45 PM 2:15 PM	Beaufort 2 Beaufort 2 Beaufort 3 Beaufort 2 Beaufort 2 Beaufort 3 Beaufort 3	4.7 mph 3.9 mph 5 mph 4 mph 4 mph 7 mph 4 mph	SW SW SW S SW SW

Claud Carran	10.20 AM	Class all days	<250/ alayd		
Cloud Cover	10:30 AM	Clear all day	<25% cloud		
	11:00 AM		cover all		
	11:30AM		day		
	12:15 PM				
	1:15 PM				
	1:45 PM				
	2:15 PM				
Weather today	Clear		Water		
-			surface		
Weather recently	Cool some rain				
Water	11:00 AM	14°C			
Temperature	11:40 AM	13°C			
1 cmp c mm c	12:00 PM	12°C & 11°C			
	1:15 PM				
	1:45 PM	14°C			
	2:00 PM	12°C			
		12 °C			
Turbidity	10:30 AM	47 cm			
Turbidity tube –	11:00 AM	35 cm			
ст	11:50 AM	39 cm			
	12:15 PM	30 cm			
	PM	56 cm			
	PM	57 cm			
Chemical	Time	ppm	Temp	% Sat	
Chemical DO	Time 10:30 AM		Temp 14°C	% Sat 78%	
DO		ppm	14°C		
DO Estuary wide	10:30 AM	ppm 8	14°C 14°C	78%	
DO	10:30 AM 11:00 AM	ppm 8 8	14°C 14°C 13	78% 78%	
DO Estuary wide	10:30 AM 11:00 AM 11:30 AM	ppm 8 8 6	14°C 14°C 13	78% 78% 56%	
DO Estuary wide	10:30 AM 11:00 AM 11:30 AM 11:45 AM 1:15 PM	ppm 8 8 6 7	14°C 14°C 13 13	78% 78% 56% 65% 78%	
DO Estuary wide	10:30 AM 11:00 AM 11:30 AM 11:45 AM 1:15 PM 1:45 PM	ppm 8 8 6 7 8 9	14°C 14°C 13 13 14	78% 78% 56% 65% 78% 80%	
DO Estuary wide	10:30 AM 11:00 AM 11:30 AM 11:45 AM 1:15 PM 1:45 PM 2:00 PM	ppm 8 8 6 7 8 9	14°C 14°C 13 13 14 12	78% 78% 56% 65% 78% 80% 75%	
DO Estuary wide monitoring Kit –	10:30 AM 11:00 AM 11:30 AM 11:45 AM 1:15 PM 1:45 PM	ppm 8 8 6 7 8 9	14°C 14°C 13 13 14	78% 78% 56% 65% 78% 80%	
DO Estuary wide monitoring Kit –	10:30 AM 11:00 AM 11:30 AM 11:45 AM 1:15 PM 1:45 PM 2:00 PM 2:15 PM 0:30 AM	ppm 8 8 6 7 8 9 8 7	14°C 14°C 13 13 14 12	78% 78% 56% 65% 78% 80% 75%	
DO Estuary wide monitoring Kit –	10:30 AM 11:00 AM 11:30 AM 11:45 AM 1:15 PM 1:45 PM 2:00 PM 2:15 PM 0:30 AM 11:00 AM	ppm 8 8 6 7 8 9 8 7 7	14°C 14°C 13 13 14 12	78% 78% 56% 65% 78% 80% 75%	
DO Estuary wide monitoring Kit –	10:30 AM 11:00 AM 11:30 AM 11:45 AM 1:15 PM 1:45 PM 2:00 PM 2:15 PM 0:30 AM 11:00 AM 11:30 AM	ppm 8 8 6 7 8 9 8 7 7	14°C 14°C 13 13 14 12	78% 78% 56% 65% 78% 80% 75%	
DO Estuary wide monitoring Kit –	10:30 AM 11:00 AM 11:30 AM 11:45 AM 1:15 PM 1:45 PM 2:00 PM 2:15 PM 0:30 AM 11:00 AM 11:30 AM 11:45 AM	ppm 8 8 6 7 8 9 8 7 7 7	14°C 14°C 13 13 14 12	78% 78% 56% 65% 78% 80% 75%	
DO Estuary wide monitoring Kit –	10:30 AM 11:00 AM 11:30 AM 11:45 AM 1:15 PM 1:45 PM 2:00 PM 2:15 PM 0:30 AM 11:00 AM 11:30 AM 11:45 AM 1:15 PM	ppm 8 8 6 7 8 9 8 7 7 7 7 7.5	14°C 14°C 13 13 14 12	78% 78% 56% 65% 78% 80% 75%	
DO Estuary wide monitoring Kit –	10:30 AM 11:00 AM 11:30 AM 11:45 AM 1:15 PM 1:45 PM 2:00 PM 2:15 PM 0:30 AM 11:00 AM 11:30 AM 11:45 AM 1:15 PM 1:45 PM	ppm 8 8 6 7 8 9 8 7 7 7 7 7.5 7.5	14°C 14°C 13 13 14 12	78% 78% 56% 65% 78% 80% 75%	
DO Estuary wide monitoring Kit –	10:30 AM 11:00 AM 11:30 AM 11:45 AM 1:45 PM 1:45 PM 2:00 PM 2:15 PM 0:30 AM 11:30 AM 11:30 AM 11:45 AM 1:45 PM 2:00 PM	ppm 8 8 6 7 8 9 8 7 7 7 7 7 7 7 7 7 7 7 7	14°C 14°C 13 13 14 12	78% 78% 56% 65% 78% 80% 75%	
DO Estuary wide monitoring Kit – pH kit as above	10:30 AM 11:00 AM 11:30 AM 11:45 AM 1:15 PM 1:45 PM 2:00 PM 2:15 PM 0:30 AM 11:00 AM 11:30 AM 11:45 AM 1:15 PM 1:45 PM 2:00 PM 2:15 PM	ppm 8 8 6 7 8 9 8 7 7 7 7 7 7 7 7 7 7 7 7	14°C 14°C 13 13 14 12	78% 78% 56% 65% 78% 80% 75%	
DO Estuary wide monitoring Kit – pH kit as above	10:30 AM 11:00 AM 11:30 AM 11:45 AM 1:15 PM 1:45 PM 2:00 PM 2:15 PM 0:30 AM 11:00 AM 11:30 AM 11:45 AM 1:15 PM 1:45 PM 2:00 PM 2:15 PM	ppm 8 8 8 6 7 8 9 8 8 7 7 7 7 7 7 7 18	14°C 14°C 13 13 14 12	78% 78% 56% 65% 78% 80% 75%	
DO Estuary wide monitoring Kit – pH kit as above	10:30 AM 11:00 AM 11:30 AM 11:45 AM 1:15 PM 1:45 PM 2:00 PM 2:15 PM 0:30 AM 11:30 AM 11:45 AM 1:15 PM 1:45 PM 2:00 PM 2:15 PM 1:45 PM 1:45 PM	ppm 8 8 6 7 8 9 8 7 7 7 7 7 7 7 18 18	14°C 14°C 13 13 14 12	78% 78% 56% 65% 78% 80% 75%	
DO Estuary wide monitoring Kit – pH kit as above	10:30 AM 11:00 AM 11:30 AM 11:45 AM 1:15 PM 1:45 PM 2:00 PM 2:15 PM 0:30 AM 11:00 AM 11:45 AM 1:15 PM 1:45 PM 2:00 PM 2:15 PM 1:45 PM 2:00 PM 2:15 PM	ppm 8 8 6 7 8 9 8 7 7 7 7 7 7 7 18 18 15.5	14°C 14°C 13 13 14 12	78% 78% 56% 65% 78% 80% 75%	
DO Estuary wide monitoring Kit – pH kit as above	10:30 AM 11:00 AM 11:30 AM 11:45 AM 1:15 PM 1:45 PM 2:00 PM 2:15 PM 0:30 AM 11:00 AM 11:45 AM 1:15 PM 1:45 PM 2:00 PM 2:15 PM 10:30 AM 11:00 AM	ppm 8 8 6 7 8 9 8 8 7 7 7 7 7 7 18 18 15.5 15.5	14°C 14°C 13 13 14 12	78% 78% 56% 65% 78% 80% 75%	
DO Estuary wide monitoring Kit – pH kit as above	10:30 AM 11:00 AM 11:30 AM 11:45 AM 1:15 PM 1:45 PM 2:00 PM 2:15 PM 0:30 AM 11:00 AM 11:45 AM 1:15 PM 1:45 PM 2:00 PM 2:15 PM 1:45 PM 2:00 PM 2:15 PM	ppm 8 8 6 7 8 9 8 7 7 7 7 7 7 7 18 18 15.5	14°C 14°C 13 13 14 12	78% 78% 56% 65% 78% 80% 75%	

	2:15 PM	15		
Fish Catch	Time	Species	# caught	Size
Fishing rod with		Striped Bass	6	23 cm
circle hook &		Silverside	1	5 cm
clam bait		Blue Crab	1	5 cm
Tides - water	Time	Distance to	Rate of	Flood or
depth		water	change	Ebb
weptit		water	citarise	Lov
	10:15AM	183cm	chunge	Flooding
- порт	10:15AM 11:15AM		change	
ucpm		183cm	change	
Currents	11:15AM	183cm 213 cm	Cm/sec	



Salinity at Pier 84



DO at Pier 84