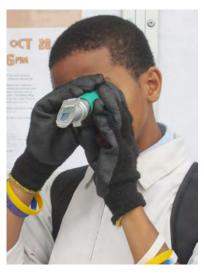
Day in the Life of the Hudson River 10/4/12 Data RIVER MILE 4

Pier 84 N 40.76544 W-73.99765

Mark Cheever, Carrie Robles and staff, Hudson River Park Trust Lavonne Hunter and staff, The Eagle Academy for Young Men, Bronx, 55, 7th graders





Location: Pier 84, is an educational pier used for picnics, boating, fishing take place at

our sample site.

Area: Pier – bulkhead – mainly concrete & wood Surrounding Land Use: 100% urban/residential

Sampling Site: Recreational pier – rocks near the edge, banks altered

Depth:

Plants in area: No plants

ITEM	Time	Averages of 9 readings	Reading 2	
Physical				
Air Temperature	11:40 AM	27° C		
	12:35 PM	27° C		
Wind Speed	11:50 AM	Beaufort 1		
_	12:38 PM	Beaufort 1.5		
Cloud Cover	cloudy			
Weather today	Foggy, damp			
Weather recently	Some rain and humid			
Water	11:10 AM	21°C		
Temperature	12:02 PM	20.6°C		
Turbidity	11:25 AM	70.7 cm		Water is
Turbidity tube	12:20 PM	62 cm		brownish
				green

Chlorophyll				
Chemical				
DO Estuary wide monitoring Kit – measurement	11:10 AM 12:15 PM	4.6 ppm 3.5 ppm	21° C 20.6° C	50% 37% saturated
seemed low				
pH kit as above	11:17 AM 12:07 PM	7.1 7.2		
Salinity (hydrometer & refractometer)	11:12 AM 12:04 PM	Specific Gravity	1.010 1.012	14.3 ppt 16.7 ppt (using hydrometer conversion chart)
Fish Catch	Time	Species	Size	All caught on line
	12:30 PM	American Eel	28 inches	
	1:40 PM	White Perch	8 inches	
	1:43 PM	White Perch	9 inches	
	1:44 PM	White Perch	8 inches	
	1:53 PM	Spot	5 inches	
	1:57 PM	Spot	5 inches	
	2:06 PM	American Eel	~36 inches	
	2:11 PM	Blue Crab	No measure	
	2:15 PM	White Perch	8 inches	
	2:20 PM	Spot	4 inches	
	2:24 PM	White Perch	7 inches	
Tides (from dock)	11:30 AM	6 ft.		
	12:00 PM	5.9 ft.	Rising (3 inches)	Measure from pier to H2O surface
	12:20 PM	5.11 ft.	Falling (2 inches)	
Currents	Cm/60 secs	Cm/sec North/South	Knots	Ebb/Flood/ Still
11:40 AM				still
12:30 PM	0		0 kts	Still
Boats	All day	NYPD patrolboat	Service	Guarding USN destroyer in port
	All day	USCG patrolboat	Service	Guarding USN destroyer in

				port
	11:26 AM	Commercial – local Water taxi	Yellow	Southbound
	11:28 Am	Commercial Tug & Barge	'Green Land Sea' name	North
Other Observations				

NUMERIC RAW DATA TALLIES

NUMERIC RA	1	· -	1	ı	I
DO	A: 11:10	4 ppm 4 ppm	5 ppm 4 ppm	A: 4.6	Measurements
	B: 12:15	4 ppm 6 ppm	0 ppm 4 ppm	B: 3.5	Seemed low
		4 ppm 4 ppm	4 ppm 4 ppm		
		8 ppm 4 ppm 4			
		ppm			
Salinity	A: 11:12	1.010 1.010	1.012 1.013	A: 1.010	Specific
·	B: 12:04	1.010 1.012	1.010 1.013	B: 1.011	gravity was
		1.012 1.012	1.012 1.011		only unit of
		1.010 1.010	1.010 1.012		measure in
		1.010 (all units	1.012 (all		common for
		specific	units specific		hydrometer
		gravity)	gravity)		and
		3,			refractometer
pН	A: 11:17	7777777	7787777	A: 7.1	
_	B: 12:07	7.5 7.5 7.5	8	B: 7.2	
Temperature	A: 11:10	23°C 20°C	22°C 19°C	A: 21°C	
•	B: 12:02	23°C 20°C	20°C 22°C	B: 20.6°C	
		22°C 21°C	22°C 19°C		
		20°C 20°C	22°C 19°C		
		20°C	21°C		
Tides	A:	Pier -water	Only one		A: Rising,
	11:30/12:00	distance	measurement.		B: Falling
		6 feet	5'11"		
	B: 12:20	5'9"	(falling)		
		Delta: 3"	, <i>O</i> ,		
		(rising)			
Currents	A: 11:40	Still.	Still.		A: Still
	B: 12:30				B: Still
Air Temp.	A: 11:40	25° C	25° C	A: 25° C	
_	B: 12:35			B : 25° C	
Wind	A: 11:50	Beaufort 1	Beafort 1.5	A:	
	B: 12:38			Beaufort	
				1.25	
				B:	
				Beaufort	
				1.25	
	l				