

Day in the Life of the Hudson River 10/16/14 Data

(Salt Front RM 65.9)

RIVER MILE 2.5

Hudson River Pier #45 - Christopher Street

Sam Adels & Mary Leou

Wallerstein Collaborative for Urban Environmental Education/NYU (7 Adults)

Diana Halvey and JHS 227 Edward B. Shallow School (30) 7th grade students

Jennifer Smith and Chelsea Career & Technical High School two groups (45) students and 7 adults

40°43'59.6"N and 74°00'43.3"W

Location: Christopher Street Pier West end closest to the roadway on the South side

Area: Pier – bulkhead – mainly metal and wooden pier

Surrounding Land Use: roads and parking lots nearby, very little tree or grass cover

Sampling Site: Recreational pier

Plants in area: None

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
Physical				
Air Temperature	Not recorded			
Wind Speed	Windy - blustery			
Cloud Cover	Cloudy in AM			
Weather today	Rainy in the AM, some sun in the PM			
Weather recently	Humid some rain			
Water description	Choppy			
Water Temperature	10:30 AM	17°C	JHS 227	Average 17.5°C
		18		
		17.5		
	12:31 PM	17	Chelsea HS 1	17.5°C
		17.5°C		
		18		
1:05 PM	18	Chelsea HS 2	18.16°C	
	18.5			
	18°C			
Turbidity – 60 cm site tube	11:05 AM	41 cm	JHS 227	47.5 cm
		48.5		
		53		
	12:30 PM	51 cm	Chelsea HS 1	54.8 cm
		55.5°C		
		58		
	1:24 PM	59.5	Chelsea HS 2	58.5 cm
		56		
		60°C		

<i>Chemical</i>	Time	DO	Temp	% Sat	School
DO (drop count kit)	11:45 AM	7.2 mg/L	17.5C	75%	JHS 227
	12:50 PM	8.0 mg/L	17.5	83%	Chelsea HS 1
	1:50 PM	8.0 mg/L	18.6	87%	Chelsea HS 2
pH – litmus paper	11:07 AM	7 X 3	Averages		7 - JHS 227
	12:35 PM	7 X 3			7 - CHS 1
	1:25 PM	7 X 3			7 - CHS 2
Salinity	Time	Hydrometer			Average
	11:08 AM	25.1 ppt 22.1 22.5	JHS 227	23.2 ppt	
	12:36 PM	20.3 ppt 20.6 20	Chelsea HS 1	20.3 ppt	
	1:24 PM	20 ppt 22.3 20	Chelsea HS 2	20.8 ppt	
Tides	Falling throughout the sampling				
Other					