

**Day in the Life of the Hudson River 10/16/14 Data
(Salt Front RM 65.9)**

RIVER MILE 2

Chris Anderson - The River Project

Bob Wallace - NYU

**Karen Johnson, Vanessa Jump, Teachers for the
3rd grade Trevor Day School – 55 students and 12 adults**

Latitude N 40.7282554N Longitude -74.014880 W*

(*Floating dock off Pier 40 where water samples were collected)

Location: Pier 40 Hudson River (also called North River)

Area: Large urban pier with many sports facilities: athletic fields, kayaking and boathouse, seasonal moorings available, parking, fishing on the pier, benches & picnic tables for the public

Surrounding Land Use: 50% Urban/residential; 50% urban/Industrial - parking lot – area used for picnics, boating, fishing

Sampling Site: Banks altered; concrete & wood pilings, pier extends into river/cement bulkhead

Shoreline: Rocky

NOTE: This highly urban site is just west of the busy Westside Highway – it is the largest pier in Hudson River Park (with a 14 acre footprint); Pier 40 is used for recreation; school groups use the athletic fields; there are 3 public boathouses; there are many people by on the river’s edge: jogging, bike riding, walking.

<i>ITEM</i>	<i>Time</i>	<i>Reading F</i>	<i>Reading C</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	11:08 AM	54.68°F	12.6°C	
Wind Speed	<i>Time</i>	<i>Beaufort Chart</i>	<i>Kestral</i>	
	11:08 AM		1.7 (unit?)	
Cloud Cover	Overcast @ noon			
Weather today	12:00 PM light rain, humid			
Weather recently	Rain last night – heavy – fair weather last few days			
Water	calm			
<i>Water Temperature -4 feet of water</i>	11:10 AM	57.2 °F	14°C	Average – 59°F 15 °C off of pier - overcast
	11:21 AM	57.2 °F	14°C	
	11:34 AM	62.6 °F	17°C	
<i>Turbidity (long site tube)</i>	11:00 AM	76.8 cm		
<i>Chlorophyll</i>				
<i>Chemical</i>	TIME	TEMP.	PPM	% SAT.
DO:				

Error in reading				
pH – test strips	11:06 AM 11:17 AM 11:29 AM 11:45 AM	7 7 6.5 7.5		Average 7
Salinity – hydrometer -	11:06 AM 11:17 AM 11:29 AM 11:45 AM	24 ppt 26 24 28		Average 25.5 ppt
Biologic	Lots	Diatoms		
<i>Boat Traffic – Commercial</i>	11:06 AM 11:10 AM 11:25 AM	Watertrail FDNY speedboat NY waterway	Yellow red Blue/Red	Northbound–light Southbound-light Northbound-light
<i>Boat Traffic – Recreational</i>	11:04 AM 11:30 AM	Circleline Circleline	Orange Orange	Southbound-loaded Northbound-loaded
<i>Other Observations</i>	The pier is tidy and concrete. There are small pieces of wood that likely washed up in a storm. Birds visible			