

**Day in the Life of the Hudson River 10/10/13 Data  
(Salt Front RM 69.3)**

**RIVER MILE 2**

**Chris Anderson - The River Project**

**Bob Wallace - NYU**

**Karen Johnson, Vanessa Jump, Teachers for the  
3<sup>rd</sup> grade Trevor Day School – 60 students + 4 teachers and 12 adults**

**Latitude N 40.72825 N Longitude -74.01382 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:** 100% Urban Industrial - parking lot – area used for picnics, boating, fishing

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

**Plants in area:** None visible

**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>
<b><i>Physical</i></b>				
Air Temperature	N/R			
Wind Speed	<i>Time</i>	<i>Beaufort Chart</i>		
	11:15 AM	#1	South	
Cloud Cover	Overcast @ 1:30 PM			
Weather today	Very light rain in the AM			
Weather recently	Rain			
Water	slightly choppy			
<b><i>Water Temperature -4 feet of water</i></b>	11:04 AM	50 °F	10°C	Average – 50°F 10 °C taken ~400 ft. down the pier off the
	11:16 AM	50 °F	10°C	
	11:30 AM	50 °F	10°C	
	11:40 AM	50 °F	10°C	

	11:58 AM 12:13 PM	50 °F 54 °F	10°C 12°C	floating dock
<b><i>Turbidity (long site tube)</i></b>	10:59 AM 11:10 AM 11:29 AM 11:35 AM 11:54 AM 12:13 PM	56 cm 61 60 56 55 60		Average 58 cm
<b><i>Chlorophyll</i></b>				
<b><i>Chemical</i></b>	<b>TIME</b>	<b>TEMP.</b>	<b>PPM</b>	<b>% SAT.</b>
DO: LaMotte Green Low Cost Water Monitoring Kit	11:04 AM 11:16 AM 11:30 AM 11:40 AM 11:58 AM 12:13 PM	10°C 10°C 10°C 10°C 10°C 12°C	5.1 ppm 5.5 ppm 5.0 ppm 5.0 ppm 5.0 ppm 5.0 ppm	45% 49% 44% 44% 44% 44%
pH – color match LaMotte kit	10:56 AM 11:08 AM 11:26 AM 11:40 AM 11:54 AM 12:09 PM	6.5 6.0 6.5 6.0 6.5 6.5	6.0 6.5 6.0 6.5 6.5 7.0	Average 6.25 6.25 6.25 6.25 6.5 6.75
Salinity – hydrometer -	10:56 AM 11:08 AM 11:26 AM 11:40 AM 11:54 AM 12:09 PM	21 ppt 23 20 22 20 21	22 ppt 22 22 20 20 20	Average 21.5 ppt 22.5 21 21 20 20.5
<b><i>Vertebrate Catch</i></b>	<b><i>Number Caught</i></b>	<b><i>Species</i></b>	<b><i>Size</i></b>	<b><i>Minnow traps</i></b>
<i>Unable to do fish</i>				
<b><i>Tides</i></b>				
<b><i>Currents</i></b>				
<b><i>Boat Traffic – None close enough for names</i></b>	<b><i>Pleasure boats</i></b> (sailboats and small motor boats), <b><i>Transit boats</i></b> (commuter ferry) <b><i>Working boats</i></b> (tugs and police)			
<b><i>Other Observations</i></b>	Seagulls	pigeons		