

Day in the Life of the Hudson River 10/20/16 Data
(Salt Front ~RM 83)
RIVER MILE 2.9

Elisa Caref - The River Project

Karen Johnson, Teacher 3rd grade Trevor Day School – 52 students and 10 adults
Latitude N 40.7282554N Longitude -74.014880 W*

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

Area: Off southern side of Pier 40 about 600-800 feet down the pier from shore. 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% commercial/Industrial - parking lot – area used for picnics, boating, fishing

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

Shoreline: Rocky

River Bottom: Soft sediment habitat

Plants: no

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	10:46 AM 10:57 AM 11:07 AM 11:15 AM 11:33 AM 11:42 AM	71.6°F 76 73 75 73 72	22°C 24 23 24 23 22	Average 73.4 °F 23 °C
Wind Speed	<i>Time</i>	<i>Beaufort Chart</i>	<i>Kestral – from spot somewhat protected by building</i>	
	11:08 AM	1 to 4 (gusts)	1-6 mph SE direction	
Cloud Cover	Overcast - increased while there (76-100% cover)			
Weather today	no precipitation			
Weather recently	Warm and dry			
Water	choppy			
<i>Water Temperature -4 feet of water</i>	10:50 AM 11:03 AM 11:13 AM 11:23 AM	54 °F 55 °F 54 °F 52	12°C 13°C 12°C 11	Average 11.75 °C 53 °F

	11:33 AM	52	11	
	11:43 AM	53	11.5	
<i>Turbidity (long site tube)</i>	10:48 AM	76 cm		Average 74.5 cm
	11:02	71		
	11:13	73		
	11:29	76		
	11:38	74		
	11:47	77		
<i>Chemical</i>	TIME	TEMP.	PPM	% SAT.
DO – Lamotte tablets	11:13 AM	12°C	4 ppm	37%
pH – Lamotte sample kit - tablets	10:45 AM	6		Average 6
	11:55	7		
	11:04	6		
	11:17	5		
	11:27	6		
	11:42	6		
Salinity – hydrometer /Instant Ocean	10:45 AM	29		Average 24 ppt
	10:55	25		
	11:04	22		
	11:17	22		
	11:27	23		
	11:45	23		
Tide	10:30 AM		Rising	
Shipping	Several NYC waterways boats – they all look the same			