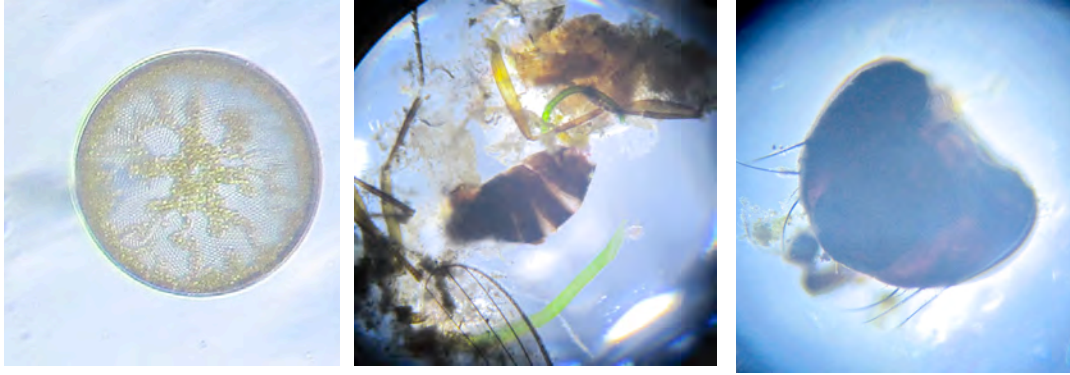


**Day in the Life of the Hudson River 10/4/12 Data**  
**RIVER MILE 2**  
**Chris Anderson - The River Project**  
**Bob Wallace - NYU**  
**Karen Johnson, Dora Kong, Kim Esther, Jane O'Donnell**  
**3<sup>rd</sup> grade Trevor Day School – 58 students + 13 adults**  
**Latitude N 40° 43'71 N Longitude 74° 00'89 W**



**Plankton Samples Pulled From the Hudson River**

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

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

**Surrounding Land Use:** 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

**Water depth:**

**River Bottom –** muddy

**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; River Project's temporary home is on Pier 40.

<i>ITEM</i>	<i>Time</i>	<i>Reading F</i>	<i>Reading C</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	11:15 AM 11:37 AM	75.2 °F 79.1	24 °C 26.1	Average – 77 °F 25 °C
Wind Speed	<i>Time</i>	<i>Beaufort Chart</i>	<i>Kestral Meter</i>	
	11:15 AM	#1.5		
Cloud Cover	Mostly cloudy			
Weather today	Clouds and humid, threat of rain			
Weather recently	Rain and humid			

Water	Fairly calm, minimally choppy			
<b>Water Temperature -</b>	11:07 AM 11:28 AM 11:51 AM 12:03 PM	68 °F 68 °F 68 °F 68 °F	20°C 20°C 20°C 20°C	Average – 68 °F 20 °C
<b>Turbidity (long site tube)</b>	11:01AM	91 cm 60 61		70.6 cm
<b>Chlorophyll</b>				
<b>Chemical</b>	<b>TIME</b>	<b>TEMP.</b>	<b>PPM</b>	<b>% SAT.</b>
DO (drop count kit)	11:07 AM	20°C	7 PPM	75%
pH – color match LaMotte kit	10:59 AM	8.5 8.5 7		Average 8
Salinity – hydrometer -	10:59 AM	16.0 ppt 16.0 16.0		16 ppt
<b>Vertebrate Catch</b>	<b>Number Caught</b>	<b>Species</b>	<b>Size</b>	<b>Minnow traps</b>
<i>Unable to do fish</i>				
<b>Tides</b>				
<b>Currents</b>	AM	39.6 cm/sec		Flooding North
<b>Boat Traffic</b>	12:02 PM	Barge		Southbound
	12:04 M	NY Waterway Ferry		Southbound
	12:07 PM	Speedboat	Beast	Southbound