

Snapshot Day 10/18/11
(Salt Front RM 35.7)
RIVER MILE 2
Chris Anderson - The River Project
Bob Wallace - NYU
Karen Johnson, Dora Kong, Kim Esther, Jane O'Donnell
3rd grade Trevor Day School – 56 students + 12 parents + 4 teachers + RP staff
Latitude N 40°43'71 N Longitude 74°00'89 W



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 –

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.

(Measurements were taken from 10:45 AM to 11:45 AM, average given)

<i>ITEM</i>	<i>Time</i>	<i>Reading F</i>	<i>Reading C</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	10:45-11:45 AM	63.3 °F	17.4 °C	Average –
Wind Speed	<i>Time</i>	<i>Beaufort</i>	<i>Kestral</i>	

		<i>Chart</i>	<i>Meter</i>	
	10:45-11:45	#2	1.03 kts	South
Cloud Cover	10:30-noon - Partly cloudy to rapidly increasing clouds			
Weather today	partly cloudy, beginning to clear, light rain for about 15 mins			
Weather recently	Cool (high 50s - low 60s)/ breezy, windy recently/ no rain			
Water	Fairly calm, minimally choppy			
<i>Water Temperature -</i>	10:56 AM	15°C	60 °F	Collected in the sun, off the pier ~ 500 feet into the water in ~ 6-10 feet of water
	11:02	15	60 °F	
	11:15	18	65 °F	
	11:26	17	63 °F	
	11:37	17	63 °F	
	11:50	20	68 °F	
<i>Turbidity (long site tube)</i>	10:50-11:13	77.8 cm		Water looked brownish/greenish and rather murky
	11:13	71.25		
	11:25	79.8		
	11:40	69.8		
	11:50 AM	81		
<i>Chlorophyll</i>				
<i>Chemical</i>	TIME	TEMP.	PPM	% SAT.
DO (drop count kit)	10:56 AM	15°C	5 PPM	49
	11:15	18	6 PPM	62
	11:26	17	4PPM	40
	11:37	17	5 PPM	50
	11:50	20	6 PPM	65
pH – color match LaMotte kit	10:45 AM	7.5		Average 7.35
	11:58	8.5		
	11:10	7.5		
	11:22	8.5		
	11:33	7.5		
	11:45	8		
Salinity – hydrometer -	10:45 AM	6.0 ppt		
	11:58	6.0 ppt		
	11:10	6.0 ppt		
	11:22	6.0 ppt		
	11:33	5.5 ppt		
	11:45	5 ppt		
<i>Vertebrate Catch</i>	<i>Number Caught</i>	<i>Species</i>	<i>Size</i>	<i>Minnow traps</i>
<i>Pots on the Lilac Ship – the pots were checked without the students since they are at a different location.</i>	1	American Eel	43 cm	

<i>Invertebrate Catch</i>	26	Grass Shrimp		
	1	European green crab		
	10-20	Isopods & mud snails		
<i>Tides</i>				
<i>Currents</i>				
<i>Boat Traffic</i>	11:09 AM	Barge & Tugboat	The Evaleigh	Northbound
	11:15 AM	NY Waterway Ferry	The Henry Hudson	Northbound
	11:29 AM	Tug Boat	Harry Muncil	Northbound
	11:36 AM	Large Powerboat	Amusant	Southbound
This is a largely commercial area but there is also a paved walkway along the river used by pedestrians, joggers & bicyclists				