

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

RIVER MILE 4

Pier 84

N 40.76408 W-74.001893

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Location: Pier 84, is an educational pier used for picnics, boating, jogging, fishing

Area: Pier – bulkhead – mainly concrete & wood

Surrounding Land Use: 100% urban/residential

Sampling Site: Recreational pier – rocks near the edge, banks altered – all hard edged

Depth: ~12 feet off pier

Plants in area: No plants

<i>ITEM</i>	<i>Time</i>	<i>Readings</i>		
<i>Physical</i>				
Air Temperature	12:15 PM 12:46 PM 1:03 PM	16°C 16°C 15°C		
Wind Speed				
Cloud Cover	12:15 PM 12:46 PM 1:03 PM 1:33 PM	100% 100% 100% 100%		
Weather today	Foggy, damp		<i>Water surface</i>	choppy
Weather recently	Nice			
<i>Water Temperature</i>	11:10 AM 12:02 PM	21°C 20.6°C		

<i>Turbidity Turbidity tube</i>	12:25 PM 12:50 PM 1:10 PM 1:40 PM	50,53,45 cm 55,48,37 cm 36,25,34 cm 51, 40, 38	49 cm avg 47 cm 32 cm 43cm		
<i>Chlorophyll</i>					
<i>Chemical</i>	Time	ppm	Avg	Temp	% Sat
DO	12:20 PM	3,3,4	3.3	15° C	29%
Estuary wide monitoring Kit –	12:50 PM	4,7,4	5	15°C	50%
	1:10 PM	8,8,6	7.6	15°C	74%
	1:40 PM	8,8,8	8	15°C	79%
pH kit as above	12:20 PM	7, 7, 7		7 average	
	12:50 PM	7,7,7		7	
	1:10 PM	7,77		7	
	1:40 PM	7,7,7		7	
Salinity - refractometer	1:10 PM	20 ppt			
Salinity - hydrometer	12:20 PM	16, 14, 17		Average	15.6 ppt
	12:50 PM	16, 17, 16		Average	16.3 ppt
	1:10 PM	16,16,17		Average	16 ppt
	1:40 PM	17, 18, 18		Average	17.6 ppt
<i>Fish Catch</i>	Time	Species	Size	All caught on line	
<i>Hook, line, sinker w/ clam bait</i>	12:24 PM	White Perch	7 inches		
	12:40 PM	White Perch	6 inches		
	12:45 PM	Striped Bass	8 inches		
<i>Tides (from pier to water)</i>	Time	Distance to water	Rate of change	Flood or Ebb	
	12:15 PM	160 cm	Start point		
	12:46 PM	162 cm	2 cm	Flooding	
	1:03 PM	171 cm	9 cm	Ebbing	
	1:35 PM	173 cm	2 cm	Ebbing	
<i>Currents</i>	Time	Meter/sec	Cm/sec	Ebb/Flood	
	12:15 PM			Flooding	
	12:46 PM			Still	
	1:03 PM			Ebbing	
	1:35 PM			Ebbing	