

**Snapshot Day 10/18/11 Data
(Salt Front RM 35.7)
RIVER MILE 27.5
South Nyack, Piermont Ave.
Diana Cutt, U. S. EPA
S. Brand, M. Maloney, E. Bobo
Upper Nyack Elementary School, 44 students 3rd grade**

Location: 135 Piermont Ave, South Nyack

Area: Our site was a sandy and slightly rocky beach accessible at low tide only.

Surrounding Land Use: Residential

Sampling Site: There was a sea wall separating the beach from the private resident adjacent to the site. A nearby dock allowed us to set a minnow pot and to observe tidal changes (rising throughout the morning) by tying yellow plastic tape to a dock piling at the water level.

Plants in area:

Water depth:

River Bottom – The submerged bottom was very mucky and it was very difficult to walk or pull a seine net

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	9:53 AM	75 °F	23.89°C	These temperatures are much higher than adjacent sites – thermometer issue?
	10:08 AM	83°F	28.3°C	
	11:11 AM	94°F	34.4°C	
Wind Speed & Direction	TIME 9:54 AM	Beaufort chart 1	TIME 11:20 AM	Beaufort chart 1-2
Cloud Cover	10:23 AM	Partly cloudy	11:11AM 11:52 AM	Mostly Cloudy
Weather today	No rain			
last 3 days				
<i>Water</i>				
<i>Water Temperature</i>	9:45 AM	°C	60°F 63 62 63 60	62°F avg. 16.67°C
	11:25 AM	°C	65°F 65 65	65°F 18.3°C
<i>Turbidity Long site tube</i>	10:20 AM	15 cm 18 18	11:43 AM	17 cm avg.

	11:43 AM	24 cm 20 34		26 cm average
<i>Chlorophyll</i>				
<i>Chemical</i>				
DO <i>Drop count</i>				
pH <i>Litmus paper</i>	9:50 AM	7.5 (X5)		
	11:00 AM	7.5 (X 4) 8 (X5)		
Salinity <i>hydrometer</i>	10:15 AM	6 ppt 6 ppt 8 ppt <0 X 3		*Average ~3.3 ppt first 3 readings too high
	11:28 AM	1 ppt X3		Average 1 ppt
<i>Fish Catch</i>	We attempted 2 different seining, one at about 10:45 am and the other at about 12noon – th ebottom at our site was much too mucky to move very well and we caught nothing. We set a minnow trap from a nearby dock earlier in the day and found a few shrimp in it when pulled it out at about 11am.			
<i>Tides</i>	9:45 AM – 11:30 AM	rising		Tied yellow tape on the dock piling & observes change
<i>Currents</i>	Time			
<i>Other Observations</i>				