

**Day in the Life of the Hudson River 10/4/12 Data**  
**RIVER MILE 127 – Stuyvesant Landing**  
**Chelsea Benson, Leanne O’Grady - Columbia County Soil & Water Conservation District**

**Elizabeth Pagnani, The Alternative Learning Center (TALC) – 3-11 yrs. –  
 4 students & 5 adults**

**Latitude 47 N Longitude 73W (topo map)**



**Location:** Sandy point of Stuyvesant Landing, Columbia County. The sandy point is just south of the parking lot.

**Area:** forested area with narrow beach used for swimming, picnics & camping by permit. Park/Boat launch, sandy beach area on the point

**Surrounding Land Use:** 95% forested, 5% beach – used for picnics, swimming, campfires, sandy beach and dense woods behind

**Sampling Site:** Beach area

**Plants in area:** no plants in water

**Water depth:** waded in approx. 4 ft.

**River Bottom** –gradual slope, sandy

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<b>Physical</b>				
Air Temperature	3:43PM	68°F 20°C		
Wind Speed	Beaufort 0-1	1.4-2.2 knots Anemometer	Coming from North	
Cloud Cover	overcast			
Weather today	Rain increasing during sampling.	Measuring in the moisture of our clothes = soaked!		About 5PM clouds blew off and a little sun came out
Weather last 3 days	Mild weather - mid 60°F during day – low 50°F night. Humid, rainy			
<b>Water</b>	Calm			
<b>Water Temperature</b>	3:20 PM	66.5°F 19.2°C		
	3:30 PM	65.4°F		

		18.5°C		
<i>Turbidity – short site tube</i>	3:40 PM	60 JTU		
<i>Chlorophyll</i>	4:00 PM	0.		
<i>Chemical</i>				
DO <i>Drop count</i>	4:00 PM	6.0 mg/L	19 ° C	65%
pH <i>meter</i>	3:15 PM	8.3		
Nitrates	3:30 PM	0.27 ppm		
Phosphates	3:45 PM	0.17 ppm		
Alkalinity	3:50PM	60ppm		
Salinity <i>Quantab Test strip</i>	3:45 PM	.006* readings on wick stick	34 ppm Cl <sup>-</sup>	61 ppm total salinity
<i>Fish Catch –2 pulls - Seine 40 ft. X 3 ft. Mesh 0.25 inch</i>	<i>Number Caught</i>	<i>Species</i>	<i>Size of largest</i>	<i>3 seines –5 min. pulls- all caught in third seine</i>
<i>4:40 PM</i>	30	Spottail shiner	8 cm	
	5	Herring	6 cm	
	4	Banded Killifish	7 cm	
	2	Yellow Perch	11 cm	<b>Grand Total 41</b>
<i>Tides</i>	3:15 PM		28 cm	
	3:30 PM	Rising	33 cm	.33 cm/min
	3:40 PM	Rising	40 cm	.7 cm/min
	4:00 PM	Rising	47 cm	.35 cm/min
<i>Currents</i>	3:30 PM	985.53 cm/60 secs	16.42cm/sec	.32 knots
Our sampling beach is set back slightly from the direct current. We managed to get the orange out into the current.				North/Flood