

Day in the Life of the Hudson River 10/4/12 Data
RIVER MILE 43
Riverfront Green, Peekskill, Westchester
Michael Billy, Walter Panas High School - 17 students, 12th graders
(younger student group shadowed the HS students)
Rebecca Schultz, Constitution Marsh Audubon Center & Sanctuary
Latitude N 41° 17' 13" Longitude W 73° 55' .53.53"



Location: Riverfront Green, Peekskill, Westchester County

Area: Grassy park area with beachfront, pier, sandy beachfront, used for picnics, boating and fishing

Surrounding Land Use: Recreational use 40%, beach 25%, Industrial/Commercial 25%, forested 5%, Urban/residential 5%

Sampling Site: beach with sandy shoreline

Plants in area:

Water depth:

River Bottom – sandy, muddy, rocky.

Site Observations: brick, crab shells, glass, plastic, water chestnut pods, H2O bottles

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	9:10 AM	70°F 22°C	9:30 AM	72°F 23°C
Wind Speed	0 Beaufort	km/hr >1,	knots/hr >1	North
Cloud Cover	cloudy			
Weather today	cloudy			
Weather recently	Lots of rain			
<i>Water Surface</i>	Calm			
<i>Water Temperature –</i>	9:20 AM	21°C		Water 3 ft. deep
<i>Turbidity – long-site tube</i>	AM	21 cm 12 cm		Average 17.3cm

		13 cm		
<i>Chlorophyll</i>		1.0		
<i>Chemical</i>				
DO (drop kits)	9:20 AM 9:22 AM	11.1 mg/l 11.1 mg/l	21°C 21°C	126 % satur. 126% satur.
pH	9:18 AM	7.5		
Salinity - meter	9:18 AM	1.96 ppt		
<i>Fish Catch- Noon</i>	<i>Number Caught</i>	<i>Species</i>	<i>Length</i>	<i>Diversity/ Totals</i>
20 ft net X 4ft-	1	White Perch	4 inch	DIV = 3
9:30 AM	1	Pumpkinseed Sunfish	4 inch	Totals = 4
	5	Redbreast Sunfish	5 inch	
<i>Tides</i>	9:00 AM	Set stick		
	10:00 AM	23 cm	rising	
<i>Currents</i>	Time	Cm/60 sec	Cm/sec	Direction
	9:10 AM	0	0	still
	9:18 AM			still
	9:25 AM			still
<i>Core –</i>	Length	Rare	Common	Abundant
<i>Noted H2S smell and oxidized top (but no measurements)</i>	Not given	Gravel, freshwater mussel, macroinvert.,	Pebbles, wood, shells	Mud, sand
<i>Commercial Traffic</i>	8:51 AM	Barge	Red & Black	North/loaded
<i>Recreational Traffic</i>	9:58 AM	Small boat	White	North
<i>Other Items</i>	Killdeer, geese, fishcrows, seagulls, blue crab, mallard ducks, monarch butterfly			