

Day in the Life of the Hudson River 10/4/12 Data
RIVER MILE 61E
Riverfront Park, City of Beacon, Dutchess County
Susan Hereth, Scenic Hudson plus 2 Scenic Hudson Staff and SCA interns
Kelley Bender, Aaron Burke, Rebecca Ansen, - South Ave. Elementary &
Terry Udell, J.V. Forrestal Elementary
4th grade (22) & 5th graders (60 students)

Latitude 41°50' Longitude 73°98'

Location: Long Dock Park, Beacon, Dutchess County NY

Area: Long Dock Park - A former brownfield now public park used for fishing, launching kayaks, picnics, fieldtrips, enjoying scenic views of the Hudson River, Hudson Highlands and Hudson Valley. There is a kayak pavilion designed to withstand flooding, parking areas are not paved, a sculpture by George Trakas allows for interaction with the tides and provides a fishing pier, grassy areas and trails allow for interaction with nature and stunning views. Most of the shoreline on the south side is lined with trees.

Surrounding Land Use: Park 100%

Sampling Site: beach(sandy, small rocks), tree lined, riprap, sculpture bulkhead

Plants in water: no plants

Water depth:

Bottom Surface: muddy, rocky bottom

Tidal Shallows Plants –

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	10:25 10:39 AM	21°C 25.6	70°F 78°F	
Wind Speed	10:00 AM 12:00 PM	Beaufort (#1)	1 4*	*most sites recorded no wind to a maximum of 1 – wind and water choppiness notes a change in weather
Cloud Cover	overcast			
Weather today	Drizzly			
Weather recently	Rainy and fog - cool			
<i>water calm</i>	Calm at 10:00 AM, choppy at 12:40 AM			
<i>Water Temperature</i>	Time	Test one		
	10:35am	20°C 21	68°F 69.8	Avg - 20.5°C 68.9°F
	11:00am	21°C	69.8°F	Avg - 21°C 69.8°F

<i>Turbidity</i>	10:35AM	35 cm		<i>Long site tube</i>
	11:10AM	40 JTU 40		<i>Short site tube</i>
<i>Chlorophyll</i>				
<i>Chemical</i>	Kit 1		Kit 2	
DO (drop kit)				
pH – <i>color match(Hach)</i>	10:50AM	7.4 7.5 8		Avg. 7.6
Salinity – Quantab	12:33 PM	65 ppm 65 ppm	65 ppm Chl-	114 Total Salinity
<i>Fish Catch seine 30 feet</i>	<i>Number Caught</i>	<i>Species</i>	<i>Size of largest</i>	<i>3 seines – 9:30, 10:30, 11:30</i>
	3	Pumpkinseed	5 inch	Diversity - 8
	1	Blue gill		Total Catch -53
	11	White Perch	6 inch	
	25	Striped Bass	4 inch	
	1	Largemouth Bass	5 inch	
	1	Smallmouth bass	6 inch	
	10	Spottail Shiner	4 inch	
	1	Banded Killifish	3 inch	
<i>Tides</i>	10:15AM	Rising		
	10:45AM	Rising		
	11:00 PM	Rising		
<i>Currents</i>	10:10AM	Ebb		
	10:00PM	Ebb		
	11:40AM	Flood		
<i>Sediment Core</i>	Length	Rare	Common	Abundant
	8 inches	Pebbles, brick, coal	Clay, mud, gravel	sand
	Sketch shows few pebbles on top of core, coarse materials beneath, and finer material as you move downcore			
<i>Shipping</i>	8:30AM	Cape Wendy barge	North & turned around	Loaded – crushed cardboard
	10:00AM	Bouchard barge	North	Loaded - black barge with

				red/maroon tug
	10:30AM	Coast Guard Ship	South	
	Noon	Tug pushing barge	South	Light – Black, Orange, Red vessel
Observation: Cormorants in water perched, gull flying, 3 monarchs flying south				