

**Snapshot Day 10/7/08 Data  
(Salt Front RM 63.4)  
RIVER MILE 61E**

**Long Dock, Beacon, City of Beacon, Dutchess County  
Rebecca Houser, NYS DEC Hudson River Estuary Program  
Susan Hereth, Scenic Hudson  
Dan Einbender, Hudson River Sloop Clearwater  
Linda Houlihan, Linda Sinforoso - South Ave. Elementary –  
Terry Udell, J.V. Forrestal Elementary – 4<sup>th</sup> grade  
Linda Sinforoso - Lenape Elementary School –  
125 4<sup>th</sup> and 5<sup>th</sup> graders  
Latitude 41°50' Longitude 73°98'**

**Location:** Long Dock in Beacon, Dutchess County NY

**Area:** Area used for picnics, fishing, parking lot on site

**Surrounding Land Use:** Forested 20%, rocky beach and rest grassy park like area – prior industrial site

**Sampling Site:** rocky beach, covered with vegetation, banks altered, shoreline rip rap, bulkheaded, collected wood/debris

**Plants in water:** none

**Water depth:** range from few inches to 4 feet deep

**Bottom Surface:** rocky near shore and muddy further out

**Tidal Shallows Plants** – Water Chestnut

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	10:10am	18°C 62 °F		
	11:37 am	20°C 65 °F		
	1:45 pm	22°C 68 °F		
Wind Speed	10:30am	Beaufort 1	S-SW	clear
Cloud Cover	clear			
Weather today	clear but cool			
Weather recently	Not really any different than today			
<i>water calm</i>	10:30 AM - calm			
<i>Water Temperature</i>	<b>Time</b>	<b>Test one</b>	<b>Test two</b>	<b>Average</b>
	11:30AM	68° F 20°C	70° F 21°C	69.5° F 20.5°C

	12:30PM	68° F 20°C	69° F 20.5°C	68.5° F 20.25°C
<b><i>Turbidity</i></b>				
<b><i>Chlorophyll</i></b>				
<b><i>Chemical</i></b>				
DO (drop kit)	9:00 AM	8.0 mg/L 9.0 mg/L	69°F	90%
pH – <b><i>color match(Hach)</i></b>	11:30 AM	8.5 pH pen 8.3 pH pen	7.9 indicator solution	8.2
Salinity – test strips %NaCl	11:30 am	0.007 NACL 0.009		56 mg/L
	1:54 pm	0.008		
<b><i>Fish Catch</i></b>	<b><i>Number Caught</i></b>	<b><i>Species</i></b>	<b><i>CPUE</i></b>	<b><i>Seine – 1 pull 80 ft.</i></b>
30 ft. seine	1	Blue Crab	Male	
	5	Bluegill		<b>*Minnow trap</b>
	30 plus	Herring		
	10	Pumpkinseed		<b>*Minnow trap</b>
	2	Striped bass		
	1	Tesselated Darter		
<b><i>Tides</i></b>	9:30 AM		Falling	
	10:03AM		Falling	Ebb tide
	10:15AM		Falling	
	11:00AM		Falling	
	11:30PM		Falling	
	12:00PM		Falling	
	12:40PM		Rising	
	1:10 PM		Rising	
	1:45 PM		Rising	
<b><i>Currents</i></b>			Ebbtide all day	