

**Snapshot Day 10/18/11 Data
(Salt Front RM 35.7)
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, Donna McGinley - South Ave.
Elementary –
Terry Udell, J.V. Forrestal Elementary – 4th grade (25)
4th and 5th graders (71 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 70%, Forested 15% shoreline, Shoreline 10%, recreational building 5%

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

Plants in water: no plants

Water depth: 6 inches

Bottom Surface: sandy, 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	10:00 AM 11AM	18°C 14.4	64.4°F 58°F	

	1:45 PM 2:25 PM	16.6 23°C	62°F 73.4	
Wind Speed	10 & 11 AM 1:45-2:23 PM	Beaufort (#2) (#1)	S SW	
Cloud Cover	Mostly cloudy			
Weather today	Dense fog 8:30-10:30 AM Clear blue skies ~ 10:30 AM-noon Cloud cover 100% after noon			
Weather recently	Not really any different than today			
<i>water calm</i>	calm			
<i>Water Temperature</i>	Time	Test one		
	10:50am	17°C		
	11:15am	15°C		
	11:40AM	17°C		
	Noon	16°C		
<i>Turbidity</i>				
<i>Secchi disk in inches</i>	Noon	13 inches	2:00 PM	13 inch
<i>Short site tube</i>	11:25 AM	60 JTU	Noon	80 JTU
<i>Chlorophyll</i>				
<i>Chemical</i>	Kit 1		Kit 2	
DO (drop kit)	9:00 AM 10:50 1:50 PM	7 ppm 9 9	11:00 AM 12:05	12 ppm 14 ppm
pH – <i>color match(Hach)</i>	10:50AM 11:30 Noon 1:55 PM	7.5 7.1 8 8		
Salinity –				
<i>Fish Catch seine 30 feet</i>	<i>Number Caught</i>	<i>Species</i>	<i>CPUE</i>	<i>MACROs</i>
10 AM	52	Herring	3 inch	
3 sweeps of net	1	Golden Shiner	2 inch	
10:30 AM	30	Herring	3 inch	
	3	Golden Shiner	3 inch	
	1	Striped Bass	5 inch	

<i>12:45 PM</i>	4	Herring	2 inch		
	6	Spottail Shiner	4 inch		
	1	Menhaden	3 inch		
<i>TOTALS – 98 fish</i>	<i>86 Herring</i>	<i>4 Golden Shiner</i>	<i>1 Striped Bass</i>	<i>6 Spottail Shiner</i>	<i>1 Menhaden</i>
<i>Tides</i>	10:00AM	Falling tide			
	11:50AM	Rising			
	1:50 PM	Rising			
	2:20 PM	Rising			
<i>Currents</i>	10:15AM	Ebb			
	10:50PM	Ebb			
	11:50AM	Flood			
	1:50 PM	Flood			
	2:25 PM	Flood			
<i>Shipping</i>	12:30AM	Buchanan & barge	South	3 flat barges pushed by a tug	
<i>Observation:</i> Migrating monarchs throughout the day On the southern side of the site, 7 cormorants offshore during the low tide drying off while standing on exposed pier posts 2 inch water scorpion in the first seine of the day					