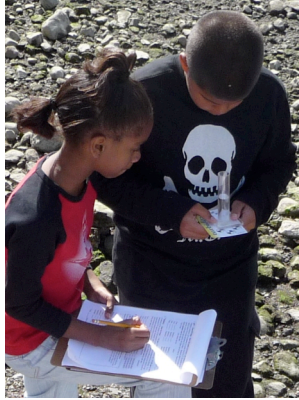


**Snapshot Day 10/8/09 Data
(Salt Front RM 60.3)
RIVER MILE 61E**

**Long Dock, Beacon, City of Beacon, Dutchess County
Rebecca Houser, NYS DEC Hudson River Estuary Program
Susan Hereth, Scenic Hudson**

**Kelley Bender, Aaron Burke, Rebecca Ansen - South Ave. Elementary –
Terry Udell, J.V. Forrestal Elementary – 4th grade
85 4th and 5th graders
Latitude 41°50' Longitude 73°98'**



Location: Long Dock in Beacon, Dutchess County NY

Area: Area used for public park, open space, grass, picnics, fishing, kayak launch

Surrounding Land Use: Forested 30%, 20% rocky beach and rest grassy park like area – prior industrial site; 50% open space

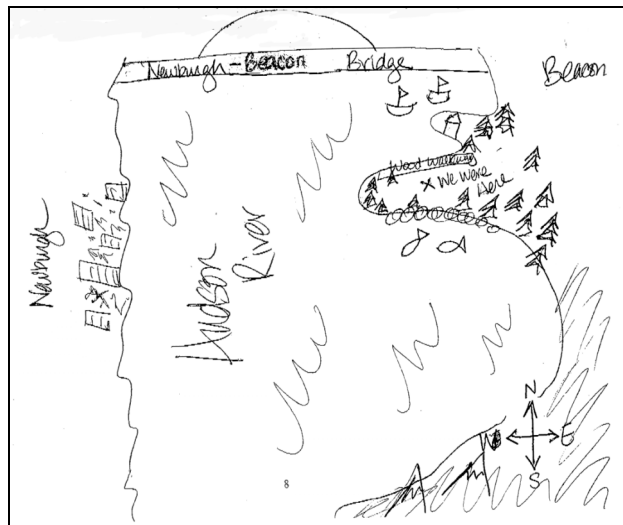
Sampling Site: rocky sandy beach, sculpture, boardwalk

Plants in water: yes, less than 10% has plants

Water depth: 5 feet deep

Bottom Surface: rocky near shore and muddy further out

Tidal Shallows Plants – Water Celery!



<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	2:30 PM	15.55°C 60 °F		
Wind Speed	10:30am	Beaufort 3-4	NW	clear
Cloud Cover	Partly cloudy			
Weather today	No rain - cool – getting cloudier as the day went on			
Weather recently	Not really any different than today			
<i>water calm</i>	choppy			
<i>Water Temperature</i>	Time	Test one		
	10:30am	12°C 53.6 °F		
	11:15 am	17.78°C 64 °F		
	11:20 am	16.1°C 61 °F		
<i>Turbidity</i>	Secchi disc	2.5 ft all day		
	Short Sight Tube	40 JTU 60 JTU 40 JTU	Average 45 JTU	
<i>Chlorophyll</i>				
<i>Chemical</i>				
DO (drop kit)	9:30 AM	9 ppm		
	10:25AM	13 ppm*	*NOTE	Kids ran this test
	1:45 PM	9 ppm		
	2:30 PM	10 ppm		
pH – color match(Hach)	10:18AM	7.5		
	11:10AM	7.2		
	1:28 PM	7.1		
	1:50 PM	8.0		
Salinity – test strips %NaCl	2:30 PM	1.2 quantab 1.2 1.4		33 mg/L Cl

	1:54 pm	0.008		
<i>Fish Catch</i>	<i>Number Caught</i>	<i>Species</i>	<i>CPUE</i>	<i>MACROs</i>
30 ft. seine	3	Bluegill sunfish	1 inch	36 scuds
3 seines	1	Spottail shiner	3 inch	10 Crabs
17 total fish	2	Striped Bas	3 inch	Plentiful Zebra Mussels
	9	Killifish	2 inch	
	1	Darter	2 inch	Crabs – 3 @ 2inch 4 @ 1 inch 3 @ < inch
	1	Herring	3 inch	
<i>Tides</i>	9:22 AM	Low tide		
	9:30 AM	Unchanged		
	10:30AM	Rising		
	11:30AM	Rising		
	12:30PM	Rising		
	1:30 PM	Rising		
	2:30 PM	Rising		
<i>Currents</i>	10:00AM		South	Ebb
	11:21AM		South	Ebb
<i>Shipping</i>	11:30AM	Tug pushing barge	South	Loaded (garbage?)
	4:05	Tug outside of barge	South	Empty



OTHER – Lots of woolly bears (fuzzy caterpillars) , fisherman caught carp, thousands of box elder bugs (photo from Clemson University Extension.) ,fisherman caught carp

