

**Day in the Life of the Hudson River 10/10/13 Data
(Salt Front RM 69.3)
RIVER MILE 61E
Riverfront Park, City of Beacon, Dutchess County
Anthony Coneski, Scenic Hudson
Leah Horn, Haldane Middle School, 8^h grade (19)**

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	10:08AM 10:40AM 1:00 PM 1:30 PM	10°C 10 11 12		
Wind Speed	10:08AM 10:40AM 1:00 PM 1:30 PM	Beaufort#1 Beaufort#1 Beaufort#1 Beaufort#1		Overcast Overcast Overcast Slight Drizzle
Cloud Cover	overcast			
Weather today	Drizzly			
Weather recently	Cool and fall like			
<i>water calm</i>				
<i>Water Temperature</i>	Time	Test one		
	10:08AM 10:40AM 1:00 PM 1:30 PM	18°C 21 21 21		
<i>Turbidity</i>	10:08AM 10:40AM 1:00 PM 1:30 PM	73.3 cm 67.2 116 77.2		<i>Long site tube</i>

<i>Chlorophyll</i>				
<i>Chemical</i>	<i>Time</i>	<i>DO</i>	<i>Temp</i>	<i>Saturation</i>
DO (drop kit)	10:08AM	No reading	18°C	
	10:40AM	8 mg/L	21	95% Saturation
	1:00 PM	8 mg/l	21	95
	1:30 PM	8 mg/L	21	95
pH – <i>color match(Hach)</i>	10:08AM	6.9		Avg. 7.6
	10:40AM	7		
	1:00 PM	6.9		
	1:30 PM	6.9		
Salinity – Quantab	1:03 PM	7.0 QT	477 ppm Chl-	862 Total Salinity
<i>Fish Catch seine 30 feet</i>	<i>Number Caught</i>	<i>Species</i>	<i>Size of largest</i>	
10:08 AM	17	American Shad	12 cm	Diversity -2
10:40 AM	1	Bay Anchovy	5.5cm	Total Catch -18
1:00 PM	0			
1:30 PM	0			
<i>Tides</i>	Lost stick	Ebbing the entire time		
<i>Currents</i>	10:08AM	0.4 kts		
	10:40AM	0.4 kts		
	1:00 PM	0.19 kts		
	1:30 PM	0.11 kts		
<i>Sediment Core</i>	Length	Rare	Common	Abundant
<i>Shipping</i>				
Observation:				