

**Day in the Life of the Hudson River 10/4/12 Data**

**RIVER MILE 60**

**Dennings Point Park, Beacon, Dutchess County**

**Latitude 42°N, Longitude 73°56'W**

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**Location:** Dennings Point, Beacon, Dutchess County

**Area:** Beach with large piping entering river. Believe area mostly used for sightseeing and fishing. Found a homemade crab trap on the beach!

**Surrounding Land Use:** Nature preserve with few buildings, 60% forested; 30% beach; 10% buildings

**Sampling Site:** Beach, covered with vegetation, rocky & sandy

**Water depth:**

**River Bottom :**

**Plants:**

**Sample Times – 10 AM-1PM**

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<b><i>Physical</i></b>				
Air Temperature				
Wind Speed	Beaufort < #1			
Cloud Cover	Clouds & Fog			
Weather today	Drizzly and wet			
Weather recently	Some rain, some sun			
<b><i>Water Temperature</i></b>				
<b><i>Water</i></b>				

<i>Surface</i>				
<i>Turbidity -</i>	<i>Turbidity tube</i>	34 cm		
<i>Chlorophyll</i>		1.0		
<i>Chemical</i>				
DO –				
<b>Salinity – Quantab strips</b>	<b>Stick measure</b>  <b>3.6</b>	<b>Total Chloide</b> 129 ppm Cl	<b>Total salinity</b>  233 ppm	
<i>Fish Catch</i>	<i>Species</i>	<i>Number</i>	<i>Length of largest</i>	<i>Comment</i>
	Shiners	4		
	Striped Bass	1	Very small	
	Blue Crab	1	3-4 inch!	<i>Very exciting</i>
<i>Tides</i>	Flood entire sampling period			
<i>Currents</i>	Flood - Observed driftwood in main channel as orange was stuck in the cove current			
<i>Traffic</i>	11:00 AM	White Boat		
	12:40 PM	Yellow Kayak		North
<i>Other Items</i>	Lots of waterchestnut pods, beach glass, and bits of brick on the beach			
<i>Core</i>	<i>Description</i>			<i>Water depth</i>
<i>14 cm long</i>	The core sample was very dark, hard-packed mud with bits of rock, sticks and a small pinecone.		Muddy smell...a trace sulphuric smell	2 ft