

**Snapshot Day 10/8/09 Data  
(Salt Front RM 60.3)**

**RIVER MILE 31 – Nyack Beach Hook Mountain State Park  
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41°07.5”N 73°54.5”W**



**Location:** Nyack Beach, Upper Nyack, Rockland County NY

**Area:** Park/Boat launch, near Hook Mountain Sandy Beach by the large sitting stairs,

**Surrounding Land Use:** 70% forested, 5% urban/residential, 20% beach – used for recreation & picnics

**Sampling Site:** Beach – sandy and rocky at edges, covered with vegetation beyond the beach, stone wall, riprap shore, collected wood debris –

**Piping coming** into river south of sampling site

**Plants in area:**

**Water depth:**

**River Bottom** –sandy

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>			<i>Beaufort Scale</i>	
Air Temperature	9:19 AM	52°F 17°C	#2	
	9:26 AM	60°F 20°C	#3	
	9:55 AM	62°F 16.67°C	#6	Wind increasing
	10:04 AM	60°F 20°C	#4	
Wind Speed	20 kts		NE	
				Water Choppy
Cloud Cover	clear			
Weather today	No rain – windy			
Weather last 3 days	Very windy, a bit chilly, rainy.			
<i>Water</i>	9:18 AM	61°F	16°C	4 cm depth

<b>Water Temperature</b>	9:18 AM	61°F	16°C	4 cm depth
	9:36 AM	62.6°F	17°C	4 cm
	9:58 AM	62.9°F	17.17°C	3 cm
	10:33 AM	62.6°F	17°C	3cm
	10:35 AM	62.5°F	16.94°C	2cm
<b>Turbidity</b>	9:05 AM	16 cm 17.75 cm 19 cm		17.6cm average
<b>Chlorophyll</b>				
<b>Chemical</b>				
DO <i>Drop count</i>	11:10 AM	8 mg/L	20 ° C	90%
pH <i>Colormetric kit</i>	9:15 AM- 10:35 AM twelve readings	8.70 8.63 8.61 8.65 8.64 8.57	8.42 8.43 8.42 8.44 8.27 8.39	Average 8.51
Salinity <i>meter/</i>	9:36AM	9.13 uS	5.13 ppt	• converted from conductivity
	10:25 AM	9.24 uS	5.17 ppt	
	10:26 AM	9.39 uS	5.26 ppt	
	10:29 AM	9.36 uS	5.24 ppt	
	10:32 AM	9.48 uS	5.31 ppt	
<b>Fish Catch</b>	<b>Number Caught</b>	<b>Species</b>	<b>Macroinvert.</b>	
<b>Seine 12 ft. X 6ft. Mesh 0.25 inch</b>	1	American Eel	16	Blue Crabs
	2	Banded Killifish	150	Amphipods
	2	Common Blenny		
	4	Atlantic Silverside		
<b>Tides</b>	9:00 AM	26 cm		
	9:15 AM	36 cm	rising	
	9:34 AM	45 cm	rising	
	9:45 AM	57cm	rising	
	10:10 AM	63 cm	rising	
<b>Currents</b>	<b>CM/60 secs</b>	<b>Cm/Sec</b>	<b>North/South Ebb/Flood/Still</b>	<b>Knots</b>
<b>9:15 AM</b>	60 cm	1 cm/sec	flood	
<b>10:25 AM</b>	200 cm	3.3 cm/sec	flood	