

**Snapshot Day 10/8/09 Data
(Salt Front RM 60.3)
Dennings Point, Beacon RM 60
Beacon Institute for Rivers & Estuaries
Jason Choi – Sleepy Hollow HS
75 High School students**

Location: Dennings Point, Beacon, Dutchess County

Area: Beach, large piping entering river, Across river is an oil refinery or treatment center

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

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

Depth:

Plants in area:

SAMPLE SITE AT THE WATER

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	11:15 AM	20.1°C		
Wind Speed	Beaufort #2			Water calm
Cloud Cover	clear			
Weather today	Brisk wind -	Chilly & partly cloudy		
Weather recently	No precipitation today but rain in past 24 hours			
<i>Water Temperature</i>	10:50 AM	16.3°C		
	11:19 AM	16.8°C		
	11:39 AM	16.8°C		
	11:52 AM	16.9°C		
<i>Turbidity secchi</i>	1:15 PM	229 cm		Water dark murky, dirty brown
<i>Chlorophyll</i>				
<i>Chemical</i>				
DO (drop count kit)	11:03 AM	9.1 mg/L		
	11:27 AM	9.0 mg/L		
	11:40 AM	8.6 mg/L		
pH meter	10:49 AM	6.28		
	11:06 AM	6.56		
	11:25 AM	6.60		
Salinity refractometer	10:56 AM	3 ppt		
	11:30 AM	4 ppt		
	11:45 AM	5 ppt		

Nitrates	11:20 AM	1.0 mg/L		
Phosphates	11:25 AM	0.5 mg/L		
<i>Fish Catch</i>	Total	Fish		
<i>1st seine</i>	3	Shiners	8 cm	
<i>2nd seine</i>	4	Shiners	8 cm	
<i>3rd seine</i>	1	Shiner	7 cm	
		crab		
<i>Tides</i>				
<i>Currents</i>	Water moving SE			
<i>Boats</i>				