

Snapshot Day 10/18/11 Data
(Salt Front RM 35.7)
RIVER MILE 60
Dennings Point Park, Beacon, Dutchess County
Latitude 42° N, Longitude 73° 56' W
Michael Hintzman, Beacon Institute for Rivers and Estuaries
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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

Water depth:

River Bottom :

Plants:

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	10:00 AM	15.6°C 60 °F	10:45 AM	16.1°C 61 °F
Wind Speed	10:00 AM Beaufort #2	4-6 kts	North wind	
	12:15 PM Beaufort #2	4-6 kts		
Cloud Cover				
Weather today				
Weather recently				
<i>Water Temperature</i>				
<i>Water Surface</i>				
<i>Turbidity tube & secchi disk</i>		Turbidity tube	Secchi	Average
	10:50 AM	25 cm, 19 cm, 24 cm	35 cm, 40 cm, 35 cm	36.7 secchi 22.7 turbid. tube
	11:04 AM		19.1 cm, 20.3 cm, 20.3 cm	19.9 cm secchi (perhaps change due

				to after seining???)
Chlorophyll	11:00 AM	0.7	11:04	0.7
Chemical				
DO –	12:45 PM	7 ppm		
Salinity – Quantab strips	TIME	TOTAL CHLORIDE	TOTAL SALINITY	AVERAGE
	10:56 AM 12:35 PM 12:39 PM	41 ppm Cl- 29 ppm Cl- 29 ppm Cl-	74.1 ppm 52.4 ppm 52.4 ppm	59.6 total salinity
Fish Catch	Species	Number	Length of largest	Seine #
10:30 AM	Bay Anchovies	4	2 inches	1
	Bay Anchovies	1	1.5 inches	2
1:00 PM	No fish ☹			3
Tides	10:30 AM	Flood		
Currents				
Traffic	11:00 AM	White Boat		
	12:40 PM	Yellow Kayak		North
Other Items				
Core	Description	Rare	Abundant	Water depth
12:33 PM	gritty feeling between fingers gravel and pebbles present length of core was 4 inches pieces of stone pea size and larger			2 ft