

**Snapshot Day 10/8/09 Data
(Salt Front RM 60.3)
RIVER MILE 87**

**Eli Schloss & Esopus Meadows Environmental Center, Ulster Park, Ulster County
Donna Nageli, George Washington Elementary School – 4th grade – 41 students**



Location: Esopus Meadows Preserve Town of Esopus. Ulster County
Area: A path along the beach with rising forested hills and yard with house and driveway
Surrounding Land Use: Forested 80%, Beach 20%
Sampling Site: Rocky shallow, sloping beach area covered with vegetation
Water depth: 2 ft.
River Bottom –rocky muddy weedy
Plants in area: Plants in less than half sample area - 100% are water chestnut

BLOW OUT TIDE AT EMEC



<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	58°F 15°C	12:20 PM	62°F 20°C
Wind Speed	3 Beaufort	7-10 kts	North wind	
Cloud Cover	Partly cloudy		Water Calm	
Weather today	Bright and clear			
Weather recently	Rain squalls yesterday			
<i>Water</i>	10:00 AM	15°C		

Temperature		58 °F		
	12:00 PM	20°C 62 °F		
Water calm	yes			
Turbidity - Long Turbidity tube	10:00 AM	*0 cm	* It was an exceptionally low tide and so sample expected to have been fairly shallow due to that 0- from ~ 6 inches of water near the shore. Also the EMEC catches all the southbound detritus.	
Chlorophyll	1:40 PM	.5		
Chemical				
DO (drop count kit)	10:00 AM	8.0 mg/L	15°C	78%
pH	12:20 PM	7.5		Indicator sol.
Salinity	1:40 PM	33 mg/L Cl	41.25 ppm salinity	
Fish Catch 25 ft. X 4 ft. X ¼ inch mesh - 50 ft pull 4 seines run	Number Caught	Species	CPUE	Seine
	14	Banded killifish	2.5 inch	
	2	Sunfish	1.5 inch	
	1	Darter	2 inch	
	2	Bullhead catfish	3 inch	
	1			
Tides	10:00 am	Falling		
	10:20 am	Falling		
	10:40 am	Falling		
	11:05 AM	Rising		
	11:25 AM	Rising		
	12:00 PM	Rising		
	1:00 PM	Rising		
Currents				
Traffic	9:30 AM	Tug/Barge	Southbound	Light/rock
	11:30 AM	Tug/barge	Southbound	Light/oil
	12:00 PM	Cruise	Southbound	Loaded/leaf watchers
	12:30 PM	Cruise	Southbound	DK