

**Snapshot Day 10/12/06 Data
(Salt Front RM 52.5)
RIVER MILE 18**

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Center**



**Harry Hall - Saunders Trade & Technical High School
(12 students) 10th and 11th grade**

Location: Seining beach, Beczak Center, Yonkers in Westchester County

Area: Used for FISHING, picnics, boats, seining and education programs

Surrounding Land Use: Urban/residential 50%, Forested 1%, Beach 20%, industrial/commercial 10%; other 19% (*• note - difference in last year description of site due to change in area assessed for the surrounding land use – not in the area itself.*)

Sampling Site: beach, marsh area covered with vegetation, sandy area, banks altered, large riprap on shoreline, collected wood/debris in area –

Plants in area: no plants in the water

Water depth: 12 inches

River Bottom – muddy, rocky

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	10:12 AM	26°C 78°F		°C °F
Wind Speed	11-16 knots			Water little choppy
Cloud Cover	Mostly cloudy			
Weather today	overcast – no rain			
Weather recently	Rainy and cool			
<i>Water</i>	9:30 AM	18.8°C	18.6°C	18.2°C

Temperature		65.8°F	65.5°F	64.8°F
•note this brief drop in temperature – cold current?	10:00 AM	14.6°C 58.3°F	14.6°C 58.3°F	14.7°C 58.5°F
	10:30 AM	18.3°C 64.9°F	18.3°C 64.9°F	18.2°C 64.8°F
	11:00 AM	18.0°C 64.4°F	18.3°C 64.9°F	18.3°C 64.9°F
Turbidity	9:43 AM	60 JTU	60 JTU	80 JTU
Chlorophyll	10:12 AM	0.3		
Chemical				
DO (drop count kit)	9:50 AM	18°C	7.16 mg/L	74.1% saturated
pH	9:21 AM	7	6	7
Phosphate	10:40 Am	0	1 mg/L	1 mg/L
Nitrate	10:09	1 mg/L	1 mg/L	1 mg/L
Alkalinity	10:58	0	0	0
Salinity	9:40 AM	7.3 ppt	7.3 ppt	7.3 ppt
Fish Catch	Number Caught	Species	CPUE	Seine
Seine net 30 feet , 1.4 inch mesh	none			Seine 1 9:28 AM (40' pull)
	2	Atlantic Silverside	182.85	Seine 2 9:33 AM (40' pull)
	2	White perch	182.85	Seine 3 9:43 AM (40' pull)
	1	Comb jellies		
	3 1 1	Atlantic Silversides Striped Bass White Perch		<i>Balance of seines</i>
Tides	9:56			
	10:16	21 cm	rising	*Differences in measures duing rising tide can be due to wave action
	10:21	30 cm	rising	
	10:51	20.5 cm	rising	
	11:09	32 cm	rising	
	11:28	32 cm	rising	
Currents				

	1800 cm/60 secs.	30 cm/sec	.6 knots	North/Flood
	1560 cm/60 secs.	26 cm/sec	.52 knots	North/Flood
	1116 cm/60 secs	18.6 cm/sec	.37 knots	North/flood
<i>Traffic</i>	Sailboats	southbound		
	Several barges & cargo ships	No times noted		
<i>Other Items</i>	9 seagulls			