

**Snapshot Day 10/2/07 Data
(Salt Front RM 78.2)
RIVER MILE 18**

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Harry Hall - Saunders Trade & Technical High School
(30 students) 10th -12th 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 25%; other 9%

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: 4-6 feet

River Bottom – muddy (sticky), rocky

Plants – algae covered rocks in area

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	9:30 AM	20°C 68°F		
	11:00 AM	23°C 73.4°F		
Wind Speed	2 Beaufort	4-6 knots	Light breeze	
Cloud Cover	Little cloudy			
Weather today	Toward 12:30 PM turned a little overcast			
Weather recently	No rain - dry			
Water calm	yes			
<i>Water Temperature</i>	9:25 AM	20 °C 22 °C 21 °C	68°F 72 °F 70°F	21°C 70°F
	10:05 AM	22 °C 23 °C 22.5 °C	71.6°F 73.4 °F 72.5°F	22.5°C 72.5°F
	10:58 AM	22°C 23 °C 22.5 °C	71.6°F 73.4°F 72.5°F	22.5°C 72.5°F
<i>Turbidity – sight tube</i>	10:00 AM	25.7 cm 23.5 cm 23.2 cm		36.2 cm
	11:04	32.3 cm		
<i>Chlorophyll</i>	9:34 AM	2.0		
	10:12 AM	5.0		

Chlorophyll	9:34 AM 10:12 AM 12:56 PM	2.0 5.0 2.0		
Chemical				
DO (drop count kit)	10:23 AM	22.5°C	9 mg/L	100% saturated
pH - meter	10:10 AM	6.025		
	10:55 AM	6.10		
	11:15 AM	8.4		
Phosphate	12:30 PM	5.9 mg/L		
Nitrate	12:30 PM	1.7 mg/L		
Alkalinity	10:58	0	0	0
Salinity - hydrometer	9:54 AM	16 ppt		16 ppt
	10:01 AM	16 ppt		
	10:58 AM	16 ppt		
Fish Catch	Number Caught	Species	CPUE	Seine
Seine net 30 feet X 4 ft., 1.4 inch mesh 34 ft. pull	4	Bay Anchovy		
12 seines	43	Atlantic Silverside		
	2	White perch		
	6	Blue Crabs		
	1	Grass shrimp		
	1	Hog choker		
	5	Striped Bass		
	1	Northern Pipefish		
	1	Winter flounder		
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				
	10m/120 secs.		4-6 knots	North/Ebb
	10m/180 secs			North/Ebb
Traffic	9:37 AM	tugboat	southbound	

	11:01	Small barge	northbound	
<i>Other Items</i>	Yacht	Police boat		

<i>SEINE#</i>	<i>TIME</i>	<i>CATCH</i>	<i>Pull length</i>	<i>CPUE</i>
<i>1</i>	<i>9:20 AM</i>	<i>17</i>	<i>34 ft. pull</i>	
<i>2</i>	<i>9:25 AM</i>	<i>7</i>		
<i>3</i>	<i>9:38 AM</i>	<i>23</i>		
<i>4</i>	<i>10:00 AM</i>	<i>2</i>		
<i>5</i>	<i>10:05</i>	<i>5</i>		
<i>6</i>	<i>10:09</i>	<i>0</i>		
<i>7</i>	<i>10:14</i>	<i>1</i>		
<i>8</i>	<i>10:21</i>	<i>3</i>		
<i>9</i>	<i>10:27</i>	<i>6</i>		
<i>10</i>	<i>10:51</i>	<i>11</i>		
<i>11</i>	<i>11:00</i>	<i>7</i>		
<i>12</i>	<i>11:03</i>	<i>0</i>		