

Snapshot Day 10/8/09 Data
(Salt Front RM 60.3)
RIVER MILE 30.5 – Summit School Beach
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60 - 3rd graders
41°06'11.39"N - 73°54'53.38" W



Location: Summit School Beach across from Upper Nyack El. School on N. Broadway
Area: Park/Boat launch, sandy beach area on the point
Surrounding Land Use: 75% residential, 10% forested, 5% beach, 10% school
Sampling Site: Beach – with a lot of vegetation, sandy and rocky at edges, collected wood debris in area, rocky
Plants in water: no
Water depth: 2-4 feet
River Bottom – muddy, rocky

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
Physical				
Air Temperature	9:30 AM	25.55°C	78°F	
	10:30 AM	27.7°C	82°F	
Wind Speed	Beaufort 2	9:50 AM	NE	1-2 mph Anemometer
Gusty wind	Beaufort 1	10:05 AM	SW	
Cloud Cover	Partly cloudy			
Weather today	No rain – windy			
Weather last 3 days	Periods of rain, overcast, high winds			
Water	Calm			
Water Temperature	9:37 AM	18.3°C 18.3 17.8 18.3 18.3		18.3°C

Turbidity <i>Long site tube</i>	9:50 AM	64.2 cm 27 46.2 21		39.6 cm average
Chlorophyll	10:48 AM	0.1 each		
Chemical				
DO <i>Drop count</i>	11:02 AM	5 mg/L	18 ° C	50%
pH <i>Litmus paper</i>	10:00 AM	6.5 6.5 6.5		Average 6.5
<i>Phosphate</i>				
<i>Nitrates</i>				
Salinity <i>hydrometer</i>	10:10 AM	0 ppt 4 ppt 6 ppt		Average 3.33 ppt
Fish Catch	Number Caught	Species		
Seine 30 ft. X 4ft. Mesh 0.25 inch	4	Atlantic Siverside	8 cm	SEINE #1
9:20-9:50 AM	1	Striped Bass	16 cm	SEINE #2
3 seines – catches 4/2/4	1	Male blue crab	14.5 cm	
	1	Banded killifish	4.5 cm	SEINE #3
	3	Atlantic Siversides	8 cm	
Tides	8:00 AM	35.5 cm		
	9:37 AM	71 cm	rising	
	10:19 AM	91.5 cm	rising	
Currents	North/South			
9:44 AM	South	Discussed with kids why orange moved S when we knew tide was coming in - Not in main channel – river is wide here		
10:20 AM	South			