

**Day in the Life of the Hudson River 11/3/14 Data
(Salt Front not read on 11/3/14)**

(Note 11/2/14 was 56.9 and 11/4/14 was 65.3)

RIVER MILE 28

Nyack Memorial Park

**Tom Perry & Kirsten Kleinman, Nyack High School 2 APES Classes 60 students,
11-12th graders, 6 adults**

Latitude 40°05.243'N, Longitude 73°54.988 'W

Location: Nyack Park where Nyack Brook feeds in

Area: Open and grassy, has a parking lot, used for picnics, fishing

Surrounding Land Use: 100% park

Sampling Site: beach, banks altered, riprap on shoreline, bulkhead

Plants in area: no water plants in area

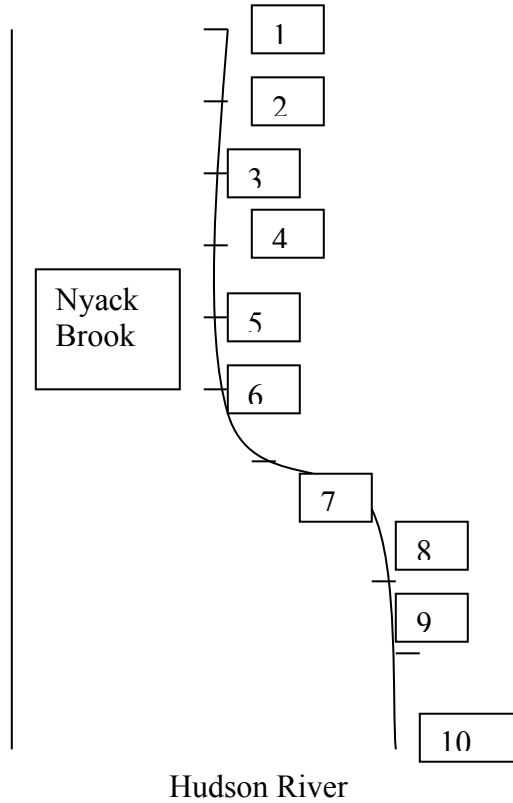
Water depth: varied

River Bottom – sandy/muddy bottom , water calm

This year the Nyack students compared a high tide and a low tide sampling as well as their normal transect that runs from Nyack Brook (Station #1) out towards the Hudson River (Station #10)

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature				
<i>Fish Catch Seine 12X4</i>	<i>Number Caught</i>	<i>Species</i>	<i>CPUE</i>	<i>Seine</i>
Fish Div = 2 Totals = 30	28	<i>Atlantic Silversides</i>	<i>Menidia menidia</i>	
	2	<i>Striped Bass</i>	<i>Morone Saxatilis</i>	
Other Div – 1 Totals - Lots	Lots	<i>Comb Jellies</i>		

Sketch Map of Sampling Site



Time: 10:00 AM Tide: High Depth: Surface Sample

Turbidity: Secchi
 Station #4 - 33 cm
 Old Pier - 20 cm
 Floating Pier - 26 cm

Station #	Distance (m)	Salinity (ppt)	Conductivity m/S	Temperature (°C)	DO mg/L	pH	Nitrate	Phosphate
1	0	0.6	408	11.2	2.6	8.2	2	0
2	10	0.6	570	11.2	1.7	7.9		
3	20	0.9	631	11.3	1.7	7.7		
4	30	3.2	1636	11.6	1.6	7.5		
5	40	3	1482	11.9	1.8	7.5		
6	50	3.5	1851	12.8	1.9	7.7		
7	60	4.4	1990	12.7	2	7.6		
8	70	4.6	2630	12.8	2.3	7.6		
9	80	5	2949	12.9	2.4	7.6		
10	90	5.6	2860	12.8	3.5	7.7	2	0

Data Table 2: Time 11:30 AM Tide Low Depth Surface Sample

Turbidity: Secchi
Station #4 - 30 cm
Old Pier – 28 cm
Floating Pier – 36 cm

Station #	Distance (m)	Salinity (ppt)	Conductivity m/S	Temp. (°C)	DO mg/L	pH	Nitrate	Phosphate
1	0	0.6	483	11.5	4	8	2	2
2	10	0.6	718	11.6	3.8	7.8		
3	20	0.7	740	11.8	3.5	7.7		
4	30	1	899	11.9	2.8	7.6		
5	40	1.1	912	12.4	3.7	7.5		
6	50	1.5	1292	12.4	3.2	7.5		
7	60	3.3	1201	12.9	3.5	7.4		
8	70	2.3	1570	12.9	3.4	7.5		
9	80	2	1350	13.1	4.6	7.5		
10	90	1.9	1365	13.2	4.4	7.5	0	0

