

Day in the Life of the Hudson River 10/29/14 Data
 (Salt Front ~RM61.1 - on 10/28/14 at this location but not reported for 10/29-10/31.
 on 11/1/14 it was at 59.6)

RIVER MILE 31 – Nyack Beach Hook Mountain State Park
Margie Turrin, Lamont-Doherty Earth Observatory
Nancy Arias, Rockland Community College, 7 students, 2 adults
41°07.5”N 73°54.5”W



Location: Nyack Beach, Upper Nyack, Rockland County NY
Area: Park/Boat launch, near Hook Mountain Sandy Beach by the large sitting stairs,
Surrounding Land Use: 70% forested, 5% urban/residential, 20% beach – used for recreation & picnics
Sampling Site: Beach – sandy and rocky at edges, covered with vegetation beyond the beach, stone wall, riprap shore, collected wood debris –
Piping coming into river south of sampling site
Water depth:
River Bottom –sandy

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	2:30 PM	16°C		
Wind Speed				N
Cloud Cover	cloudy			
Weather today	No rain	Cooled off		
Weather last 3 days	2 days of rain & fog			

<i>Water Temperature</i>				
<i>Turbidity – Long site tube</i>	3:30 PM	57.7 cm	3:45 PM	48 cm
<i>Chemical</i>				
DO <i>Drop count</i>	3:00PM	8 ppm		
pH <i>Colormetric kit</i>	3:00 PM	7		
<i>Nitrates</i>	3:10 PM	0.3 ppm		
Salinity – refractometer	2:30 PM	5 ppm		
<i>Fish Catch</i>		<i>Number Caught</i>	<i>Species</i>	<i>Macroinvert.</i>
<i>Seine 12 ft. X 6ft. Mesh 0.25 inch</i>		5	Atlantic Silversides	
<i>Diversity 2</i>		2	Striped Bass	
<i>Total Catch 7 + moon jellies</i>		many	Small moon jellies	Nickel size