

Day in the Life of the Hudson River 10/4/12 Data
RIVER MILE 31 – Nyack Beach Hook Mountain State Park
8th (~6) grade teachers –Nyack Middle School – 8th grade – 70 students
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	9:10 AM	72°F		
Wind Speed	1 km/hr	Direction - West		N
Cloud Cover	Mostly cloudy			
Weather today	No rain			
Weather last 3 days	2 days of rain & fog			
<i>Water Temperature</i>				
	10:05 am	22 C		
<i>Turbidity – Long site tube</i>	87.4 cm	32.4 cm	50 cm	55.6 cm
<i>Chlorophyll</i>				
<i>Chemical</i>				
DO <i>Drop count</i>	10:05 AM	11 ppm	22 C	125 % saturation
pH <i>Colormetric kit</i>				
Salinity – titrator strips	Strip # 4.8	1114 ppm Chloride	2012 ppm total salinity	~2 ppt
<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>		10	Silversides	4 cm
<i>Diversity 3</i>		1	Striped Bass	5 cm
<i>Total Catch 12</i>		1	Perch	1 cm