

Day in the Life of the Hudson River 10/20/16 Data
(Salt front ~ RM 83)
RIVER MILE 30.5– Nyack Beach Hook Mountain State Park
Lisa Knowles & other Nyack MS teachers (5 total)
Nyack Middle School, – 8th grade – 20 students
41°07”N 73°54”W

Location: Nyack Beach, Upper Nyack, Rockland County NY

Area: Park/Boat launch, near Hook Mountain Sandy Beach by the large sitting stairs, Mainly a parking lot surrounded by mountains and a hiking trail along the river.

Surrounding Land Use: Parking lot with woods and a trail for hiking. 50% parking lot, 25% forested, 5% urban/residential, 20% beach – used for recreation fishing & picnics

Sampling Site: Beach –rocky at edges, sandy and covered with vegetation beyond the beach, stone wall, riprap shore, collected wood debris –

Piping coming into river south of sampling site

River Bottom: sandy & rocky

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	11:20 AM	68°F 20 °C		
Wind Speed	Beaufort #2	Direction - East	10 mph	
Cloud Cover	Mostly cloudy	50-75%	Water choppy	
Weather today	No rain			
Weather last 3 days	Sunny & unusually warm	80°F and dry		
<i>Water Temperature - surface</i>	11:35 AM 11:55 AM 12:35 PM	19.5 °C 20.4 21.2	67.1°F 68.7 70.3	50 cm depth 55 cm 56 cm
<i>Turbidity –</i>	NR			
<i>Chemical</i>				
DO -Drop count	11:50AM	8 ppm	20.4 C	70 % saturate
pH	NR			
Salinity –	11:30 AM	5037 ppm Cl-	9100 Total Salinity	Quantab strips
<i>Fish Catch</i>	<i>Recorded with Nyack College</i>			
<i>Tides</i>	11:15 AM 11:35 AM 11:55 AM 12:35 PM	24 cm 50 cm 55 cm 56 cm	Set point Rising Rising Rising	
<i>Currents</i>	11:08 AM 11:29 AM 11:45 AM		flood flood flood	
<i>Other Observations</i>	Found water chestnut seeds			