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

			Comments
1			
11:20 AM	68°F 20 °C		
	Direction -		
Beaufort #2	East	10 mph	
Mostly cloudy	50-75%	Water choppy	
No rain			
Sunny & unusually warm	80°F and dry		
11:35 AM	19.5 °C	67.1°F	50 cm depth
11:55 AM	20.4	68.7	55 cm
12:35 PM	21.2	70.3	56 cm
NR			
11:50AM	8 ppm	20.4 C	70 % saturate
NR			
11:30 AM	5037 ppm	9100 Total	
	Cl-	Salinity	Quantab strips
Recorded with	h Nyack		
College			
11:15 AM	24 cm	Set point	
11:35 AM	50 cm	Rising	
11:55 AM	55 cm	Rising	
12:35 PM Currents 11:08 AM	56 cm	Rising	
11:08 AM		flood	
11:29 AM		flood	
11:45 AM		flood	
Found water of	chestnut seeds		
	Beaufort #2 Mostly cloudy No rain Sunny & unusually warm 11:35 AM 11:55 AM 12:35 PM NR 11:50 AM 11:30 AM <i>Recorded wit</i> <i>College</i> 11:15 AM 11:35 AM 11:55 AM 11:55 AM 11:55 AM 11:55 AM 11:29 AM 11:45 AM	20 °C Beaufort #2 Direction - East Mostly 50-75% cloudy 50-75% No rain 80°F and Sunny & 80°F and dry warm 11:35 AM 11:35 AM 19.5 °C 11:55 AM 20.4 12:35 PM 21.2 NR 11:50AM 11:50AM 8 ppm NR Cl- Recorded with Nyack College 11:35 AM 50 cm 11:08 AM 56 cm	$20 \ ^{\circ}C$ Beaufort #2Direction - East10 mphMostly cloudy $50-75\%$ Water choppyNo rain $50-75\%$ Water choppyNo rain 40% 40% Sunny & warm 80% F and dry 40% 11:35 AM 11:35 AM 12:35 PM $19.5\ ^{\circ}C$ 20.4 67.1% F11:55 AM 20.4 20.4 68.7 68.7 12:35 PM 21.2 21.2 70.3 70.3 NR $ -$ 11:50AM NR 8 ppm Cl- $20.4 \ C$ NR $ -$ 11:30 AM Cl- 5037 ppm Cl- 9100 Total SalinityRecorded with Nyack College $-$ 11:15 AM 11:35 AM 51 Cm $24 \ \text{cm}$ Rising11:55 AM 11:35 AM 51 Cm $56 \ \text{cm}$ Rising11:08 AM 11:29 AM 11:45 AMflood flood11:45 AMflood