

Day in the Life of the Hudson River 10/16/18 Data

HUNTER'S POINT, QUEENS

EAST RIVER, RIVER MILE: 5.6

Salt Front: ~RM 24

Hunter's Point Community Middle School- Meredith Fichman

70 students, 6th, 7th, 11-12th grade, 10 adults

High School of Environmental Studies in Manhattan- Ashley Purcell-Sefcik

30 student, 11th-12th grade, 2 adults

Department of Environmental Protection- Robin Sanchez

Latitude 40.740041 N & Longitude – 73.961512 W



Location: Hunter's Point, Gantry Plaza State Park, Long Island City, Queens, NY

Area: East river, mixed use space. Mostly residential, some commercial spaces

Surrounding Land Use: 80% Urban; 15% Grassy; 5% Rocky shoreline

Sampling Site: Landscaped green space/park. NYC Water taxi and two schools nearby

Shoreline: Rocky

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
<i>Physical</i>				
<i>Air Temperature:</i>	7:26 AM	10 °C	50 °F	
	10:05 AM	10.5 °C	50.9 °F	
	10:10 AM	10 °C	50 °F	
	10:19 AM	10 °C	50 °F	
	10:20 AM	12 °C	53.6 °F	
	10:41 AM	10 °C	50 °F	
	11:15 AM	10.5 °C	50.9 °F	
	11:16 AM	12.5 °C	54.5 °F	
	11:31 AM	10 °C	50 °F	
<i>Wind Speed:</i>	7:26 AM	11-16 mph	West	
	10:05 AM	11 mph	North	
	10:10 AM	11 mph	North	
	10:19 AM	13-18 mph	North	
	10:20 AM	7-10 mph	North	
	10:41 AM	13-18 mph	North	
	11:15 AM	18 mph	North	
	11:16 AM	11 mph	North	
	11:31 AM	11-16 mph	West	

<i>Weather Today:</i>				
<i>Weather Previous:</i>				
Water Temperature	10:00 AM	10.5 °C	50.9 °F	<i>*Wide range of temperatures within a short time span</i>
	10:20 AM	14 °C	57.2 °F	
	10:41 AM	10.5 °C	50.9 °F	
	10:59 AM	17 °C	62.6 °F	
	11:14 AM	12 °C	53.6 °F	
	11:31 AM	12 °C	53.6 °F	
Turbidity-	10:18 AM	71.2 cm, 75.4 cm		Green, blue, and clear
	10:18 AM	71.2 cm		
	10:41 AM	68 cm, 72 cm		
	10:44 AM	68 cm, 72 cm		
	11:00 AM	65.2 cm		
	11:31 AM	68.9 cm		
Chemical				
Salinity- Hydrometer	10:30 AM	32 ppt TS		
	10:31 AM	32 ppt TS		
	10:51 AM	26 ppt TS		
	11:09 AM	26 ppt TS		
	11:09 AM	20 ppt TS		
	11:11 AM	26-28 ppt TS		
	11:18 AM	32 ppt TS		
Dissolved Oxygen –	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
	10:28 AM	14 °C	10 ppm	95%
	10:44 AM	10.5 °C	6 ppm	53%
	10:49 AM	10.5 °C	6 ppm	53%
	11:02 AM	16 °C	7 ppm	70%
	11:18 AM	12 °C	6 ppm	55%
pH - pH pen	10:18 AM	7		
	10:18 AM	1		
	10:18 AM	5.7		
	10:48 AM	7		
	11:00 AM	7		
	11:11 AM	7		
	11:14 AM	7		
Chlorophyll	10:31 AM	0.1 ppm		
	10:49 AM	0.1 ppm		
	11:04 AM	0.1 ppm		
	11:37 AM	0.1 ppm		
	11:37 AM	6.1 ppm		

<i>Phosphate</i>	10:24 AM	1 ppm			
	10:25 AM	1 ppm			
	10:40 AM	1 ppm			
	11:00 AM	1.5 ppm			
	11:20 AM	1 ppm			
<i>Tides</i>	<i>Time</i>	<i>Rising, Falling, Still</i>	<i>Height (in)</i>	<i>Rate of Tidal Change (cm/min)</i>	
	10:34 AM		140	-	
	10:52 AM		144	0.22	
	11:16 AM		144	0.00	
	11:34 AM		145	0.04	
<i>Other Observations</i>					