

Day in the Life of the Hudson River 10/22/19
GERRITSEN CREEK, BROOKLYN
RIVER MILE: -8
Salt Front: ~ RM 53
PS130K- Sydra Mallery
128 students 4th grade
Salt Marsh Nature Center + Park Department
Latitude 40.60399 N & Longitude – 73.9306 W



Location: Gerritsen Creek, Brooklyn , New York

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
Physical				
<i>Air Temperature</i>	10:34 AM	20 ° C		
	10:35 AM	20° C; 16° C		
	10:39 AM	14° C		
	11:09 AM	16° C; 20° C		
	11:10 AM	18° C		
	11:11 AM	15° C		
	11:38 AM	15° C		
	11:39 AM	16° C		
	12:07 PM	16° C		
	12:08 PM	15° C		
	12:11 PM	15° C		
<i>Wind Speed:</i>	NA			
<i>Weather today</i>	NA			
<i>Weather the past 3 days:</i>	NA			
Tides- Tide stick	Time	Rising, Falling, Unchanged	Height (cm)	Tidal Change (cm)
	10:36 AM	Rising	NA	4 cm
	11:46 AM	Rising	29.5 cm	5.5 cm
	12:07 PM	Rising	78.74 cm	0.462 cm/min
Current-	cm/second	Knots	North/South	Ebb/Flood/Still
	NA			
<i>Water Temperature</i>	10:34 AM	15° C		
	10:35 AM	13° C; 14° C		
	10:39 AM	16° C		
	11:09 AM	15° C; 15° C		
	11:10 AM	16° C		
	11:11 AM	13° C		

	11:38 AM 11:39 AM 12:07 PM 12:08 PM 12:11 PM	16 ° C; 16 ° C 15 ° C; 15 ° C 14 ° C 17 ° C; 15 ° C 14 ° C		
Turbidity - long sight tube	10:34 AM 10:35 AM 10:39 AM 11:09 AM 11:10 AM 11:11 AM 11:38 AM 11:39 AM 12:07 PM 12:08 PM 12:11 PM	120 cm 120 cm; 120 cm 120 cm 82 cm ; 82 cm 82 cm 82 cm NA NA 76 cm 76 cm; 76 cm 76 cm		
Chemical				
Salinity- Hydrometer	<i>Time</i> 10:34 AM 10:35 AM 10:39 AM 11:09 AM 11:10 AM 11:11 AM 11:38 AM 11:39 AM 12:07 PM 12:08 PM 12:11 PM	<i>Chloride ppm Cl</i>	<i>Total Sal. ppm</i> 26000 ppm 28000; 26000 ppm 28000 ppm 26000; 26000 ppm 26000 ppm 26000 ppm 26000; 27000 ppm 29000; 25500 ppm 26000 ppm 26000; 26000 ppm 32000 ppm	
DO –	<i>Time</i> 10:34 AM 10:35 AM 10:39 AM 11:09 AM 11:10 AM 11:11 AM 11:38 AM 11:39 AM 12:07 PM 12:08 PM 12:11 PM	<i>Temp</i> 15 ° C 13 ° C; 14 ° C 16 ° C 15 ° C; 15 ° C 16 ° C 13 ° C 16 ° C; 16 ° C 15 ° C; 15 ° C 14 ° C 17 ° C; 15 ° C 14 ° C	<i>ppm DO</i> 8 ppm 8ppm; 8 ppm 8 ppm 8 ppm 8 ppm 8ppm 8 ppm 8ppm 8 ppm 8 ppm 6ppm	<i>% saturation</i> 76% 76% 80% 70%
pH –	10:34 AM 10:35 AM 10:39 AM 11:09 AM 11:10 AM 11:11 AM 11:38 AM 11:39 AM 12:07 PM 12:08 PM 12:11 PM	7 7 7 7 7 7 7 7 7 7 7		
Fish	Number	Name	Length of longest	
10:36 AM 11:00 AM	36 2 3	Atlantic Silverside Mummichog Atlantic Silverside		

11:46 AM	18	Atlantic Silverside		
12:07 PM	55	Atlantic Silverside		
Fish Totals	TOTAL: 114	Diversity: 2		
<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	
10:36 AM	8	Periwinkle Snails		
11:00 AM	1	Moon Jelly		
11:46 AM	1	Moon Jelly		
	1	Mud Snails		
	1	Hermit Crab		
12:07 PM	1	Moon Jelly		
Macroinvertebrate Totals	TOAL: 13	Diversity: 4		
Observations	Blue crab molt.			