

Day in the Life of the Hudson River 10/22/19
FRANCIS LEWIS PARK, RIVER MILE: 13.7
Salt Front: ~RM 53



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79 students 9th-10th grade
Latitude 40.797289 N & Longitude -73.826217 W



Location: Francis Lewis Park, Queens, NY
Area: Forested and grassy near site; pier
Surrounding Land Use: Forested; Beach
Sampling Site: Park area
Shoreline: Sandy, rocky, beach
Plants in area: none
River Bottom: Muddy

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>	<i>Comments</i>
Physical			
<i>Air Temperature:</i>	10:40 AM	15 ° C	
	11:10 AM	15 ° C	
	11:43 AM	16 ° C	
	12:06 PM	16 ° C	
<i>Wind Speed:</i>	NA		
<i>Weather Today:</i>	NA		
<i>Weather Previous:</i>	NA		
Water Temperature	10:40 AM	14 ° C	
	11:10 AM	16 ° C	
	11:43 AM	15 ° C	
	12:06 PM	15 ° C	
Turbidity - Long sight tube	NA	41 cm	
Chemical			
<i>Salinity- hydrometer</i>	10:40 AM	26,000 ppm	
	11:10 AM	26,000 ppm	

	11:43 AM 12:06 PM	26,000 ppm 26,000 ppm		
<i>DO -</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
	10:40 AM 11:10 AM 11:43 AM 12:06 PM	14 ° C 16 ° C 15 ° C 15 ° C	7 5 6.5 7	
<i>pH -</i>	10:40 AM 11:10 AM 11:43 AM 12:06 PM	8 9 8 8.5		
<i>Fish – seine</i> 10:30 11:15 11:30-11:40	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	
	14 38 1	Atlantic Silverside Atlantic Silverside Atlantic Silverside		
	TOTAL: 53	Diversity: 1		
<i>Macroinvertebrates- Seine</i> 10:30 11:15 11:30-11:40	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	
	2 3 2 3 2	Blue Crab Moon Jelly Ghost Shrimp * Ghost Shrimp Ghost Shrimp	* <i>Palaemonetes</i>	
	TOTAL: 12	Diversity: 3		
<i>Tides-</i>	<i>Time</i>	<i>Rising, Falling, Still</i>	<i>Height (cm)</i>	<i>Rate of Tidal Change (cm/min)</i>
NR				
<i>Currents Flow</i>	<i>Cm/second</i>	<i>Knots</i>	<i>North/South</i>	<i>Ebb/Flood/Still</i>
NR				