

**Day in the Life of the Hudson River 10/16/18 Data  
DUBO POINT WILDLIFE SANCTUARY, THE ROCKAWAYS  
RIVER MILE: -7.1**

*Salt Front: ~RM 24*

**QALC Patrick Mohamed & Lileen Ferraro, 34 students, 9-10<sup>th</sup> grade**

**Juli Schroeger and staff, Rockland Waterfront Alliance**

**Latitude 40.599505 N & Longitude – 73.794940 W**



**Location:** Dubo Point Wildlife Sanctuary, Queens, NY

**Area:** Wildlife sanctuary; a point that juts out into Jamaica Bay due south of Kennedy International Airport

**Surrounding Land Use:** 70% Urban/Industrial; 30% Beach

**Sampling Site:** Open beach area in a wildlife sanctuary set along the waterfront of the Rockaways community

**Water:** Choppy

**Plants in area:** 70-80% saltwater cordgrass; 20-30 % reed grass (not identified as phragmites)

**River Bottom:** Sandy area

**Sampled:** 10 AM –12 noon

ITEM	Time	Reading		Comments
Physical				
Air Temperature:	NR	12.3 °C		
Wind Speed:	NR	Beaufort 6	11 mph	Water choppy
Weather Today:				
Weather Previous:				
Water Temperature	NR			
Turbidity - Long sight tube	NR	35 cm 41 cm 40 cm		Average 38.67 cm
Chemical				
Salinity- hydrometer	Time	Chloride	Total Salinity	
	10-12 noon		25 ppt	
DO –	Time	Temp	ppm DO	% saturation
	10-12 noon	N/R	8 ppm	
pH - used litmus paper which is not an accurate metric for outdoor waterbodies	10-noon	6 6 6	Average 6	

<i>Nitrates</i>				
<i>Phosphates</i>				
<b><i>Fish - seine</i></b>	<b><i>Number</i></b>	<b><i>Name</i></b>	<b><i>Length of longest</i></b>	
	11	Atlantic Silverside		
	<b>TOTAL: 11</b>	<b>Diversity: 1</b>		
<b><i>Macroinvertebrates</i></b>	<b><i>Number</i></b>	<b><i>Name</i></b>	<b><i>Length of longest</i></b>	
	1	Moon Jelly		
	8	Ctenophore		
	<b>TOTAL: 9</b>	<b>Diversity: 2</b>		