

Day in the Life of the Hudson River 10/16/18 Data
MORRIS CANAL BASIN, JERSEY CITY, NJ
RIVER MILE: 0.5
Salt Front: ~RM 24

Hudson Montessori School- Grace Sanvictores & Michelle Velho
91 students 1st-6th grade, 12 adults
Latitude 40.707725 N & Longitude – 74.03447 W



Location: Walking and fishing pier, Morris Canal Basin, Jersey City, NJ
Area: Waterfront pier along a developed area, walkway with railing
Surrounding Land Use: 100% Urban/Industrial
Sampling Site: Waterfront pier jutting out along the waterfront, surrounds a canal inlet
Plants in area: Seaweed

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>	<i>Comments</i>
<i>Physical</i>			
<i>Air Temperature:</i>	NR		
<i>Wind Speed:</i>	NR		
<i>Weather Today:</i>	NR		
<i>Weather Previous:</i>	NR		
<i>Water Temperature</i>	10:00- 12:00	NR	
<i>Turbidity- long site</i>	10:00-12:00	40-55 cm	

<i>tube</i>					
Chemical					
<i>Salinity- refractometer</i>		10:00 - 12:00	10 ppt		
<i>DO –</i>		<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
		10:00-12:00		7	
<i>pH -</i>		10:00-12:00	7.5		
Fish – NONE		Number	Name	Length of longest	
		TOTAL:	Diversity:		
Macroinvertebrates-		Number	Name	Length of longest	
		1	Green Crab Ribbed Mussels		
		TOTAL: 1+	Diversity: 2		
Tides- NR	Time	Rising, Falling, Still	Height (cm)	Rate of Change (cm/sec)	
Currents Flow	Cm/ sec	Knots	North/South	Ebb/Flood/Still	
	77.58	1.51	South	Ebb	
Boats	Time	Name	Color	North/ South	Loaded/Light
NR					
Other Observations		NR			