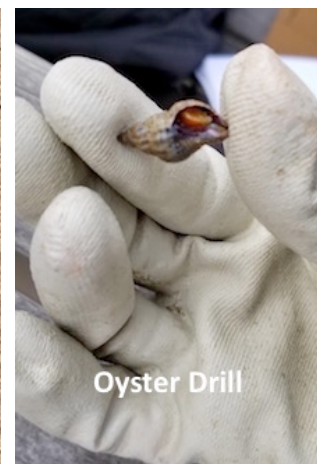
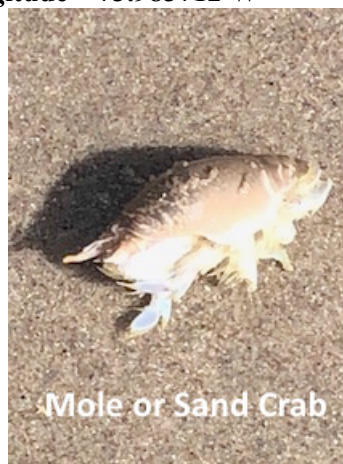


Day in the Life of the Hudson River 10/16/18
STEEPLECHASE PIER, CONEY ISLAND, BROOKLYN NY
RIVER MILE -9.1
Salt Front ~RM 24
IS 240 Magnet School of STEM- Deborah Sarria
46 students 6th – 8th grade, 4 adults
Latitude 40.571754 N & Longitude – 73.983712 W



Location: Steeplechase Pier, Coney Island, Brooklyn, NY
Area: 15% Urban/Residential, 70% Beach, 15% Industrial/Commercial
Surrounding Land Use: 15% Urban/residential; 15% Industrial/Commercial; 70% Beach
Sampling Site: Beach areas with pier and riprap shoreline.
Plants in area: no plants in water area
Water: calm
River Bottom: Sandy

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
Physical				
<i>Air Temperature:</i>	11:10 AM	16.3 °C	61.34 °F	
	12:03 PM	14.0 °C	57.2 °F	
<i>Wind Speed:</i>	11:12 AM	Beaufort 3	6.8 knots	Northwest
	12:05 PM	Beaufort 2	3.4 knots	
<i>Weather Today:</i>	No rain, partly cloudy (26-50%)			
<i>Weather Previous:</i>	10/13-10/14 cool and cloudy; 10/15 rain			
Water Temperature	11:23 AM	16.9 °C	62.42 °F	
	12:00 PM	17.3 °C	63.14 °F	
	12:37 PM	17.5 °C	63.5 °F	
Turbidity - Long sight tube	11:42 AM	122 cm		
	12:00 PM	122 cm		
	12:47 PM	107 cm		
Chemical				
<i>Salinity- hydrometer</i>	11:10 AM	25 ppt		
	11:30 AM	24.5 ppt		
	12:34 PM	22 ppt		
<i>DO – meter</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
	11:32 AM	16.9 °C	9.9	102%
	12:00 PM	17.8 °C	9.4	99%
<i>pH - meter</i>	11:20 AM	7.38		
	11:26 AM	7.0		
	12:05 PM	7.64		

	12:34 PM	7.27		
<i>Fish –</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	
	N/R			
	TOTAL:	Diversity:		
<i>Macroinvertebrates-trap</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	
	1	Spider Crab		
	1	Mole Crab		
	1	Oyster Drill		
	TOTAL: 3	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>
	11:02 AM	-	525 cm	-
	11:23 AM	Rising	510 cm	0.7
	12:00 PM	Rising	495 cm	0.4