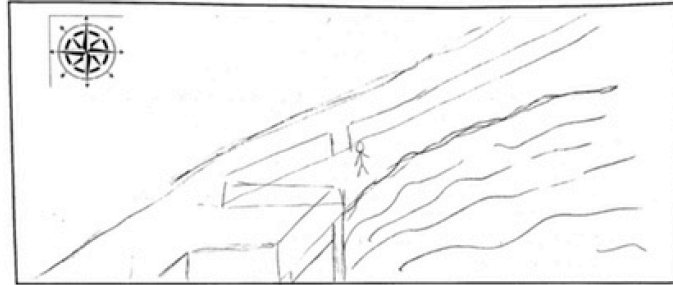


**Day in the Life of the Hudson River 10/22/19 Data
BROOLYN BRIDGE PARK (WEST), MANHATTAN**

RIVER MILE: East River 2.3

Hudson River Salt Front: ~RM 53

**Manhattan International High School- Athena Theodoris
Lower East Side Ecology Center, Kellan Stanner and team
65 students 12th grade, 4 adults**



Latitude 40.7076 N & Longitude – 73.99982 W



Location: Brooklyn Promenade- Brooklyn Bridge, Manhattan, NY

Area: Beach under the Brooklyn Bridge with pier- 125 feet north of Dover street, west side of the East river. Pier and path for recreational walking, jogging, bike riding, and fishing. Surrounding land is a sandy beach with water. Water used for fishing and boating; beach is open to the public but no swimming; lots of rocks and sand; near parking lot.

Surrounding Land Use: 60% Urban Residential; 30% Industrial/Commercial; 10% Beach

Sampling Site: Sandy, beach, covered in vegetation, pier; banks altered; bulkhead with timbers; debris in area such as broken concrete, docking; riprap; pipe entering river (south CSO ~40 meters- not visible).

Water: Choppy, 4 feet deep

River Bottom: Sandy, rocky (pebbles and stones)

Plants: None

ITEM	Time	Reading		Comments
Physical				
<i>Air Temperature:</i>	11:20 AM	15 ° C	° F	
	12:15 PM	15 ° C	° F	
	12:29 PM	15.8 ° C		
<i>Wind Speed:</i>	12:35 PM	Beaufort: 2	6.2 mph	north
<i>Weather Today:</i>	12:30 PM Rain and Overcast (76-100%)			
<i>Weather Previous:</i>				
Water Temperature – 37 ft deep	11:51 AM	16.8, 16.6 ° C	Avg 16.7 ° C	
	12:35 PM	16.1, 16.1 ° C	16.1 ° C	
Turbidity - Long site tube	12:43 PM	55.1 cm 55 cm	Average 58.6 cm	A bit cloudy with particles inside

		65.6 cm		
Chemical				
<i>Salinity- refractometer</i>	12:12 PM	25 ppt 26 ppt 27 ppt	<i>Average 26 ppt</i>	
<i>DO –</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
	12:42 PM	16.3 C	9	90
	12:44 PM	16.3 C	9	90
	12:46 PM	16.3 C	7	70
<i>pH - pH strips</i> Fish – Seine <i>Length of seine: 10’</i> <i>12:48 PM</i>	12:05 AM	5, 5, 5		
	Number	Name	Length of longest	
	1	Striped Bass	12.5 cm	
	1	Atlantic Silverside	9.5 cm	
	1	Bay Anchovy	7 cm	
1	Herring	6 cm		
	TOTAL: 4	Diversity: 4		
<i>Macroinvertebrates- hand net in tide pool</i>	Number	Name	Length of longest	
	2	Leidy Comb Jelly	6.5 cm	
	TOTAL: 2	Diversity: 1		
Tides- Dock to Water	Time	Rising, Falling, Still	Height (cm)	Rate of Tidal Change (cm/min)
	12:31 PM 12:34 PM 12:37 PM 12:40 PM 12:45 PM 12:46 PM 12:49 PM		24 cm 26 cm 28 cm 30 cm 32 cm 34 cm 36 cm	
Current-	cm/second	Rising, Falling, Unchanged	Height (cm)	Rate of Change (cm/min)
Boats Commercial	Time	Color	Direction	Loaded or Light
	11:35 AM 11:38 AM	White Red/yellow	North Southbound	Loaded Loaded
Boats Recreational	Time	Color	Direction	Loaded or Light
	11:39 AM	White	North	Loaded
Other Observations	Lots of bits of brick in watershed. Sky very cloudy and cool temperatures Lots of birds			