

**Day in the Life of the Hudson River 10/22/20
ENGLEWOOD BOAT BASIN, ENGLEWOOD NJ**

RIVER MILE: 14

Salt Front: ~ RM 75

Meadowlands Environmental Center –Kirk Weber and Susan Lewicki

PS 28 Paterson, NJ- Maureen Bruins

Latitude 40.880581 N & Longitude – 73.944525 W



Location: Bloomers Beach (North end), Englewood Boat Basin, NJ

Area: Sandy beach, banks altered, pier with riprap sections, wood bulkhead, debris in area. Piping ~30 ft located at sampling site. 2 concrete bulkheads and stone breakwaters on shoreline.

Surrounding Land Use: 40% Forested; 20% Beach; 20% Industrial/Commercial; 20% Urban/Residential

Shoreline: Loamy sand- sand and mud, a little weedy and rocky

River Bottom: Muddy

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>	<i>Comments</i>	
Physical				
<i>Air Temperature</i>	9:37 AM	18.9 ° C	66 ° F	
<i>Wind Speed:</i>	9:35 AM	4 mph		
<i>Weather today</i>	Drizzle			
<i>Weather past 3 days:</i>	Rainfall negligible, temperature normal			
<i>Tides-</i>	<i>Low Tide</i>	<i>High Tide</i>	<i>Time of Sampling</i>	<i>Tide</i>
	8:11 AM	2:35 PM	11:20 AM	Flooding
<i>Current-</i>	<i>Time</i>	<i>cm/second, Knots</i>	<i>North/South</i>	<i>Ebb/Flood/Still</i>
	11:20 PM	0.53 cm/sec	North	Flood
<i>Water Temperature-</i>	11:00 AM	16.7 ° C	62 ° F	
<i>Turbidity- Short Sight Tube</i>	11:00 AM	36.5 cm		
Chemical				
<i>Salinity- Hydrometer</i>	10:15 AM	14 ppt		
<i>DO – LaMotte Kit</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
	11:35 AM	16.7 ° C	8.4 ppm	85
<i>pH – Color Match Kit</i>	10:44 AM	8		
Biological				
<i>Fish</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>
	55	Atlantic Silverside	10 cm	6.2 cm
	4	Striped Bass	13.5 cm	9 cm
Fish Totals	TOTAL: 59	Diversity: 2		
<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>
	14	Blue Crab	6.2 cm	2.6 cm
Macroinvertebrate Totals	TOTAL: 14	Diversity: 1		