

**Day in the Life of the Hudson River 10/22/20
FORT WADSWORTH, STATEN ISLAND**

RIVER MILE: -7.5

Salt Front: ~ RM 75

St. Clare School- Mary Lee

National Park Service- Ranger Kathy Garofalo

2 participants

Latitude 40.59905 N & Longitude – 74.0527 W



Location: Seabee Fishing Beach, Fort Wadsworth, Staten Island, NY

Area: South of Verrazano Bridge; west side of the Hudson River.

Sampling Site: beach area with bulkhead, Fort on site.

Shoreline: 50% Beach, 50% Forested

Surrounding Area: beach with riprap, concrete broken in area, pier nearby, behind the beach is covered with vegetation

Water Depth: 204 ft.

River Bottom: Sandy

Plants in area: No plants

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
Physical				
<i>Air Temperature</i>	11:20 AM	18.9 ° C	66 ° F	
<i>Wind Speed:</i>	11:20 AM	5 mph	E/NE	
<i>Weather today</i>	No Rain; Extremely cloudy and foggy, temperature in mid 60s. Water was calm.			
<i>Weather past 3 days:</i>	Slight rain on Tuesday and Wednesday. Temperature 60-70 F since Monday.			
<i>Tides-</i>	<i>Low Tide</i>	<i>High Tide</i>	<i>Time of Sampling</i>	<i>Tide</i>
	6:53 AM	1:18 PM	12:00 PM	Flooding
<i>Current-</i>	<i>Time</i>	<i>cm/second, Knots</i>	<i>North/South</i>	<i>Ebb/Flood/Still</i>
	12:00 PM	21.7 cm/sec, 0.422 knots	North	Flood
<i>Water Temperature-</i>	11:57 AM	64.22 ° F	17.9 ° C	
<i>Turbidity-</i>	NR			
Chemical				
<i>Salinity- Meter</i>	11:57 AM	21.77 ppt		
<i>DO – Meter</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
	11:57 AM	17.9 ° C	5.3	63.8
<i>pH – Meter</i>	11:57 AM	7.28		

<i>Biological</i>				
<i>Fish</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Notes</i>
	100 +	Atlantic Silverside		
Fish Totals	TOTAL: 100	Diversity: 1		
<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	
Macroinvertebrate Totals	TOTAL:	Diversity:		
<i>Sediment Core</i>	<i>Time</i>	<i>Oxidized Top</i>	<i>Grain Size</i>	<i>Other Features</i>
NR				
Boats	Time	Name/Color	North/South	Loaded/Light
NR				
Observations				