

Day in the Life of the Hudson River 10/21/19
HUDSON SHORE PARK WATERVLEIT
RIVER MILE: 152
Salt Front: ~ RM 53
Girl Scouts of North Eastern NY- Stacey Shepherd
10 students 4th-5th grade, 4 adults
Latitude 42.73074 N& Longitude – 73.69759 W



Location: Hudson Shores Park, Watervleit, Albany County, NY

Area: Rowing dock at park on the river's edge

Surrounding Land Use: 10% Beach at low tide; 70% Park/Parking area; 20% Planted/Forested (across from the river); 100% Industrial/Commercial.

Sampling Site: Fishing launch, dock, parking lot, rocky, trees, bushes. Noisy from the highway

Shoreline: Rocky and muddy, vegetation, riprap

River Bottom: Sand, mud, rocky

Water depth: 8+ feet

Plants in area: No plants in water area

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
<i>Physical</i>				
<i>Air Temperature</i>	4:42 PM	15 °C	57 °F	
<i>Wind Speed: Anemometer</i>	4:47 PM	Beaufort 3	13.1 knots	
<i>Weather today</i>	NR			
<i>Weather the past 3 days:</i>	NR			

<i>Tides-</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>	<i>Height (cm)</i>	<i>Rate of Tidal Change (cm/min)</i>
NR				
<i>Current-</i>	<i>cm/second</i>	<i>Knots</i>	<i>North/South</i>	<i>Ebb/Flood/Still</i>
4:20 PM	32			
<i>Water Temperature</i>	5:28 PM	9.5 °C		
<i>Turbidity - long sight tube</i>	5:09 PM	15 cm		
<i>Chemical</i>				
<i>Salinity-</i>	<i>Time</i>	<i>Chloride ppm Cl</i>	<i>Total Sal. Ppm</i>	
<i>DO – drop count kit</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
	5:28 PM	9.5 °C	13 ppm	115%
<i>pH – color match test</i>	5:38 PM	7.5		
<i>Fish</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	
Seine	2	Banded Killifish	6 cm	
Fish Totals	TOTAL: 2	Diversity: 1		
Observations	The girls loved this experience. And were engaged the whole time. The best moment of our evening was when we caught 2 fish in the seine net. My co-leader who is not an outdoors girl, screamed, “I need hand sanitizer!” She ran for the car and returned with her purell!			