

**Day in the Life of the Hudson River 10/22/19
KINGSLAND POINT PARK, TARRYTOWN**

RIVER MILE: 28.5

Salt Front: ~ RM 53

Ossining High School- Danielle Jackson

22 students, 4 adults - 11th -12th grade

Marie Perry, Teatown Preserve

Latitude 41.08969 N & Longitude – 73.87032 W

Location: Kingsland Point Park, Sleepy Hollow, Westchester, NY

Area: Waterfront beach area on front of park, forested, pier

Surrounding Land Use: 100% Beach

Sampling Site: Beach; riprap; drain pipe in the wall

Shoreline: 98% Sandy; 2% Rocky

River bottom: Muddy, sandy, rocky

Plants in water: no plants in water area

Water: Calm, 3 cm deep at the edge

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
Physical				
<i>Air Temperature</i>	10:17 AM	5 ° C	41 ° F	
<i>Wind Speed:</i>	10:16 AM	-	South	
<i>Weather today</i>	Mostly cloudy (>75%) and drizzling			
<i>Weather the past 3 days:</i>	Rain and wind. Low 50 ° F to mid 60 ° F			
Tides-	<i>Time</i>	<i>Rising, Falling, Unchanged</i>	<i>Height (cm)</i>	<i>Comments</i>
	9: 45 AM 10:45 AM 11:01 AM	Falling Falling Falling		Tide went out while we were at this site. 6-8 ft more sand in 2 hours
Current-	<i>Time</i>	<i>cm/second</i>	<i>North/South</i>	<i>Ebb/Flood/Still</i>
	10:44 AM		Still	
<i>Water Temperature</i>	10:11 AM	15.6 ° C	60 ° F	
<i>Turbidity -</i>	NA			
Chemical				
<i>Salinity</i>	<i>Time</i>	<i>Chloride ppm Cl</i>	<i>Total Sal. ppm</i>	
Refractometer	10:24 AM		6000 ppm	
Quantab	10:30 AM	2200 ppm	3974.41 ppm	<i>*This is more accurate</i>
<i>DO – drop count kit</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
	10:16 AM	15.6 ° C	11	110%
<i>pH – color match test</i>	10:13 AM	7.4, 7.6, 7.5, Avg: 7.5		
Fish	Number	Name	Length of longest	
Seine 11:15 AM	21 3 2	Atlantic Silverside Striped Bass Bay Anchovy	7.6 cm 10 cm 6.4 cm	
Fish Totals	TOTAL: 26	Diversity: 3		
Macroinvertebrates	Number	Name	Length of longest	
	2 2	Shrimp Crab (spp.)		
Macroinvertebrate Totals	TOTAL: 4	Diversity: 2		
Boats	Time	Name/Color	North/South	Loaded/Unloaded

Commercial	10:24 AM	Name 'D'; color blue and white	North	Light
Observations	Water chestnut seeds, shells, shell pieces. Osprey, sea gull carrying a fish			