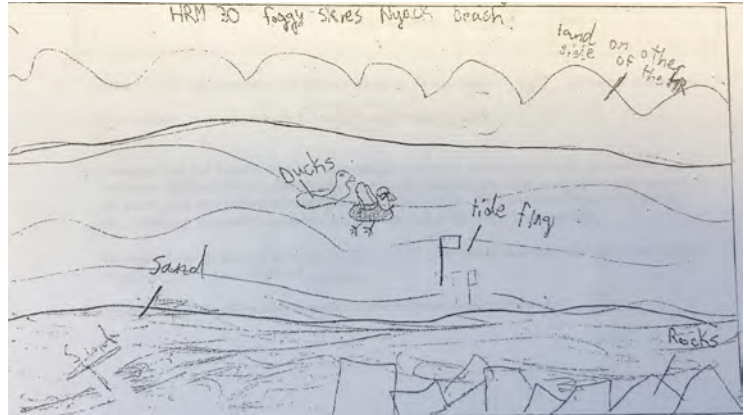


Day in the Life of the Hudson River 10/22/19
UPPER NYACK STATE PARK, LOWER BEACH
RIVER MILE: 30.4
Salt Front: ~ RM 53
Blue Rock School- Charlotte Jack
45 students 4-8th grade, 8 adults
Strawtown Studios- Laurie Seeman and Joanna Dickey
Latitude 41.119759 N & Longitude – 73.91243 W

Location: Nyack lower Beach, Upper Nyack, Rockland County, NY
Area: Park/Boat launch near Hook Mountain; sandy beach by the large sitting stairs
Surrounding Land Use: 40% Forested; 10% Industrial/Commercial; 40% Beach- used for recreation and picnics
Sampling Site: Beach, covered with vegetation beyond the beach, stonewall, riprap shore, pipe coming into the river south of the sampling site
Shoreline: Sandy and rocky, muddy offshore
River Bottom: sandy inshore (<3 ft depth), muddy off shore (>3 ft depth), scattered large rock (<2ft length inshore)
Plants in water: Water chestnuts and water celery
Water: calm, 1 ft depth



ITEM	Time	Reading		Comments
Physical				
Air Temperature	10:50 AM 1:30 PM	55 ° F 59 ° F		
Wind Speed:		Beaufort 3	8-12 mph	East
Weather today	Overcast (100%), no rain			
Weather the past 3 days				
Tides-	Time	Rising, Falling, Unchanged	Height (cm)	Rate of Tidal Change (cm/min)
	10:30 AM 11:00 AM 11:30 AM 12:00 PM 1:20 PM	NA Rising Rising Rising Falling	0 23 40 100 80	NA 0.767 0.567 2 0.25
Current-	Time	Speed	North/South	Ebb/Flood/Still
	10:45 AM	4.13 cm/sec, 0.08 knots	North	Flood
Water Temperature	10:30 AM 11:00 AM 11:30 AM 1:00 PM	60 ° F 60 ° F 60 ° F 60 ° F	16 ° C	
Turbidity- short sight tube	10:30 AM	40, 40, 30, 40 JTUs		
Chemical				
Salinity- Quantabs	Time	Chloride ppm	Total Sal. ppm	
	10:45 AM	1505 ppm	2719 ppm	
DO –	Time	Temp	ppm DO	% saturation
	11:30 AM	16 ° C	7.5	74%
pH –	10:30 AM	8.5, 8.5, 8.5		
Biological				
Fish	Number	Name	Length of longest	

Seine	15 1 1 0	Atlantic Silverside White Perch American Eel 0	2.5 cm 3 cm 12.5 cm 0	1 Seine 10:30 AM 2 Seine 11:00 AM 3 Seine 11:50 AM 4 Seine 1:15 PM
Fish Totals	TOTAL: 17	Diversity: 3		
<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	
		NR		
Macroinvertebrate Totals	TOTAL: 8	Diversity: 3		
<i>Sediment Core</i>	<i>Time</i>	<i>Oxid Top</i>	<i>Grain Size</i>	<i>Other Features</i>
	NR			
Boats	Time	Name/Color	North/South	Loaded/Light
Recreational	11:30 AM	2 Rowing	South	NA
Observations				