

Day in the Life of the Hudson River 10/14/21
PLUM POINT BEACH, KOWAWESE UNIQUE AREA, NEW WINDSOR

RIVER MILE: 58.1

Salt Front: ~ RM 49

Homeschool group- Sarah Archbald and Jill Jeffrey, 50 students

Orange County Water Authority- MaryLynne Malone

Latitude 41.463043 N & Longitude - 74.0119 W

Location: Plum Point Park Beach, New Windsor, Orange County, NY

Area: Northern sandy public beach bordered by forested area and parking lot. Area used for picnicking, fishing, and kayaking

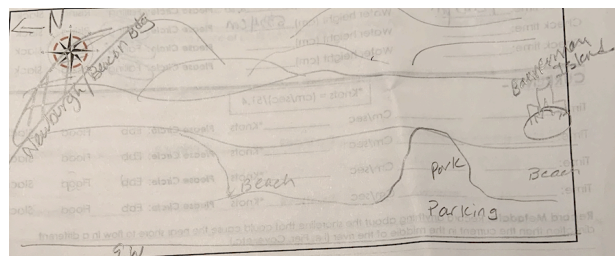
Surrounding Land Use: 50% Forested, 50% Beach

Sampling Site: Sandy Beach (cove) area, riprap in area of sampling site, debris (broken concrete and docking) in area.

Shoreline: Sandy, rocky

Water: calm

River Bottom: rocky, sandy, muddy



<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>	
Physical					
<i>Air Temperature</i>	8:01 AM	13 °C	54 °F		
<i>Wind Speed:</i>	9:50 AM	1.2 mph	Beaufort 1	North	
<i>Weather today</i>	8:01 AM- Fog, overcast				
<i>Weather the past 3 days:</i>	No rain				
<i>Tides-</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>	<i>Distance (cm)</i>		
*Measured from a marked shoreline location out to the water's edge as it retreated.	7:14 AM	-	High		
	8:01 AM	Falling	86.36 cm		
	10:13 AM	Falling	289.56 cm		
	12:33 PM	Falling	533.4 cm		
<i>Water Temperature-</i>	8:10 AM	5° C	41° F	Water depth 2 ft	
<i>Turbidity-</i>	8:10 AM	78 cm			
Chemical					
<i>DO –</i>	1:35 PM	18° C	10ppm	105%	
<i>pH – color match kit</i>	12:19 PM	6.5			
Biological					
<i>Fish</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>	
7:50 AM	2	Anchovy		-	
8:30 AM	2	Striped Bass			
	22	Spottail Shiner			
Fish Totals	TOTAL: 26	Diversity: 3			
<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Length of smallest</i>	
Macroinvertebrate Totals	TOTAL:	Diversity:			
<i>Boats</i>	<i>Time</i>	<i>Name</i>	<i>Color</i>	<i>North/Southbound</i>	<i>Light/Loaded</i>
Commercial	8:34 AM	Barge/Tug	Red/Black	North	Light
		Barge/Tug		North	Light
Recreational	9:57 AM	3 Sailboats	White	2 South 1 North	
	11:12 AM	Boat	White	Southeast	
	11:28 AM	Kayak	Red	Southeast	
	12:45 PM	2 Boat	White	1 South, 1 North	