

Day in the Life of the Hudson River 10/22/19 Data
HUDSON SHORES PARK, WATERVLEIT
Albany County, NY
RIVER MILE: 152

Salt Front: ~RM 53

North Colonie CSD Learning Enrichment Program-
50 students 5th grade, 4 adults

Amy Parks & Stacey Shepard, North Colonie CSD
Latitude 41.471 N & Longitude - 74.016 W



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

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

Surrounding Land Use: Fishing launch, dock, parking lot, rocky, trees, bushes

Sampling Site: 10% Beach at low tide; 70% Park/Parking area; 20% Planted/forested; (across the river) 100% Industrial/Commercial. Noisy from the highway.

Shoreline: Rocky and muddy, vegetation, riprap


Water Depth: 8+ feet, calm

Plants in area: No plants in water area

River Bottom description: sand/mud, rocky

Other: Geese, turkey vultures

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
<i>Physical</i>				
<i>Air Temperature</i>	TIME	DEGREES F	DEGREES C	
	9:28 AM	50	11	
	9:48 AM	51	12	
	10:13 AM	56	13	
	11:00 AM	57	14	
	12:04 PM	60	15	
	12:36 PM	60	15	
	1:05 PM	60	15	
<i>Wind Speed: Beaufort #</i>	TIME	BEAUFORT #	WIND METER/	UNIT KNOTS
	9:30 AM	1	1.5	
	9:51 AM	1	2.5	
	10:17 AM	1	2.7	
	10:51 AM	2	3.4	
	12:10 PM	2	5.8	
	12:27 PM	2	8.1	
	12:43 PM	3	12.2	
<i>Weather today</i>	Mostly cloudy all day (56-75%)			

<i>Weather recently</i>	Rain 2 days ago – Lots of fog - windy			
Water Temperature	See DO below			
Turbidity - long sight tube	TIME	READING AVERAGE IN CMs		
	9:23 AM	32		
	9:45 AM	32		
	10:14 AM	35		
	10:44 AM	32.3		
	11:54 AM	32.3		
	12:20 PM	34.3		
	12:44 PM	33.7		
Chemical				
<i>Salinity- Low Range Quantabs</i>	9:35 AM		Chloride 32 ppm Cl ⁻	Total Salinity 57.9 ppm
<i>DO – drop count kit</i>	Time	Temp	ppm DO	% saturation
	9:27 AM	11 °C	12	105 %
	9:43 AM	10 °C	12	106 %
	10:10 AM	12 °C	13	121 %
	10:39 AM	10 °C	12	106 %
	11:47 AM	11 °C	11	100 %
	12:16 PM	10 °C	9	80 %
	12:39 PM	11 °C	12	109 %
<i>pH – color match test kit</i>	9:33 AM	7.5		
	10:05 AM	7.5		
	10:29 AM	7.5		
	10:59 AM	7.5		
	12:07 AM	7.5		
	12:35 PM	7.3		
	12:58 PM	7.5		
Fish	Number	Name	Length of longest (cm)	Teams seining
<i>Seine- 12 ‘</i>	1	Spottail Shiner	5 cm	1 of 4 teams
	4	Pumpkinseed Sunfish	8 cm	1 of 3 teams
Fish Totals	TOTAL: 5	Diversity: 2	NYSDEC Fisheries Brought	Catfish Sucker Striped Bass
	Digital Microscopes	Copepods Mayfly Fly Larvae		
Tides-	Time	Rising, Falling, Unchanged	Change (cm)	Rate of Tidal Change
	N/R			

<i>Current-</i>	<i>cm/10 second</i>	<i>Cm/Sec</i>	<i>North/South</i>	<i>Ebb/Flood/Still</i>
9:15 AM	353	35.3	N/R	N/R
9:44 AM	379	37.9		
10:00 AM	326	32.6		
10:58 AM	328	32.8		
12:05 AM	255	25.5		
12:33 PM	263	26.3		
1:00 PM	278	27.8		

N