Day in the Life of the Hudson River 10/05/2023 Chelsea Yacht Club, Wappinger Falls, NY RIVER MILE: 65

Salt Front: ~ 52

Wappingers Jr High School-Rosellen Hardt 25 students, 7th grade, 4 adults







Location: Chelsea Boat Launch, Chelsea Yacht Club, Wappinger Falls, Dutchess County, NY **Surrounding Land Use:** 25% Urban/Residential, 40% Industrial/Commercial, 25% Beach

Sampling Site: Pier, Beach, Wood Bulkhead, Grassy, Forested, Covered in vegetation, Rip Rap, Concrete

Bulkhead, Marshy

Shoreline: Sandy, Muddy & Rocky

Water: Calm

River Bottom: Weedy, Sandy, Muddy & Rocky

Plants in the water: *NR = Not read/recorded

ITEM	Time	Reading			Comments				
Physical									
Air Temperature-NR		° C		° F					
Wind Speed: NR		Anemometer		Beaufort	Direction				
Weather today		<25% Cloud	l Cover	No Rain					
Weather the past 3	Warm								
days:									
Tides- Dock to water	Time	Rising, Falling, Unchanged - Falling Falling Falling Rising		Height (cm)					
	9:42 AM			49 cm					
	10:10 AM			50 cm					
	10:57 AM			54 cm					
	11:34 AM			59.5 cm					
	12:42 PM			40 cm					
Current-	Time	Cm/sec	Knots	North/South	Ebb/Flood/Slack				
	9:56 AM	762	0.49		Ebb				
	10:20 AM	457.2	0.30						
	11:07 AM	411.48	0.27						

	11:42 AN	<u>и</u> 381	0	.25					
	12:51 PM			.14					
Water Temperature-	9:39 AM		, , ,	.1 1	68	oF			
" uier Temperuiure			19.5°C			'.1°F			
	10:54 AM 19.6°C					'.3°F			
		1:00 AM 19°C		66.2°F					
	11:31 AN		7	68.2°F					
	12:37 PM					0.2°F			
Turbidity- long site	9:39 AM 55.77								
tube	10:11 AN								
iuoe	10:11 AN								
		10:54 AM 54.8 cm 11:31 AM 53.47 cm							
	12:37 PM								
	12:3 / PIVI /			Chemical					
Ctandaudizad Calinitu	I aru \ \lambda	No time					54		1 / OT write
Standardized Salinity- Low			30 pp	30 ppm Cl ⁻		54 ppm	:+	1.4 QT units	
Range Quantabs-		ecorded	T	T.		total salinity		0/	
DO – Hach Drop Count		Time					ppm DO		% saturation
		0:53 AM					5 ppm		55%
		1:38 AM		19°C			10 ppm		105%
H C 1 11 1 77		2:40 PM	19.5°0	<u> </u>			13 ppm		140%
pH – Color Match Kit		9:39 AM							
		9:41 AM		6.5					
		2:44 AM	6.5						
		0:12 AM		7					
		0:18 AM		7					
		0:20 AM		7					
		0:52 AM		8					
		0:55 AM		7.5					
		1:00 AM							
		1:34 AM							
		1:39 AM							
		1:40 AM							
		2:39 PM							
% T* , ,		NR .	/ (X2	7 (X2 readings)					
Nitrates-									
				iologica	ıl				
Fish	Ν	Number	Name	Name			Length of	longest	Length smallest
9:45 AM-12	2:45 PM	25'	7 Herrin	Herring sp.			7 cm		3 cm
				Pumpkinseed			11 cm		9 cm
				Perch			15 cm		10 cm
			7 Mummichog:1M,3			3F, 2NR	8 cm		6 cm
		2		Striped Bass Spottail Shiner			11 cm		NR
							7 cm		NA
			Largemouth Bass			12 cm		NA	
Fish Totals		TOTAL:				_			
		73		- ,					
Macroinvertebrates		Number	Name	Name		Length of	longest		
			8 Blue Crab (7 M & 1		10 cm		Blue Crab was		
	,	Unidentified)			10 0111		Softshell		
Macroinvertebrate Totals		TOTAL: 8		Diversity: 1				Sommen	
					,	0:1	Cuair Ci-	-	Other Forters
Sediment Core -NR		Гіте	Oxid	H_2S		Oil	Grain Siz	e	Other Features
			Top	Sme	ાા				

Boats

Commercial/	Time	Type	Color	Southbound/	Light/
Recreational				Northbound	Loaded
Recreational	9:49	NR	White, Blue &	Northbound	Light
Recreational	11:42	Sailboat	Red Red, Blue, White & Green	Southbound	Light
Recreational	12:44	Sailboat	White	Northbound	Light
Recreational	10:23	Sailboat	White & Blue	Northbound	Light
Recreational	11:04	Sailboat	White, Green & Red	Southbound	Light
Recreational	12:44	Sailboat	Blue & White	Southbound	Light