

Day in the Life of the Hudson River 10/05/2023
Schoharie Creek, Middleburgh, NY
MOHAWK RIVER MILE: 53
Hudson River Salt Front ~RM 52



Northville High School-*Jamie Dickinson*
Mayfield High School- *Doug Allen*
14 students, 11th-12th grade, 2 adults
Latitude 42.82672°N & Longitude -74.26272°W



Location: Schoharie Creek, Middleburgh, NY
Surrounding Land Use: Urban/Residential, Forested & Industrial/Commerical
Sampling Site: Forested, Grassy, Covered in vegetation & Pipe entering the water
Shoreline: Muddy & Rocky
Water: Calm
River Bottom: Muddy& Rocky
Plants in the water: 15% Beach Croton
 *NR = Not read/recorded

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
<i>Physical</i>				
<i>Air Temperature</i>	9:30 AM	17.7° C	64° F	
	10:05 AM	20° C	68° F	
	11:00 AM	22° C	73° F	
<i>Wind Speed:</i>		<i>Anemometer</i>	<i>Beaufort</i>	<i>Direction</i>
	10:05 AM		0	
<i>Weather today</i>	10:02 AM	25-50% Cloud Cover	No Rain	
	10:11 AM	51-75% Cloud Cover	No Rain	

Weather the past 3 days:	Unusually high temperatures for October					
Tides- N/A above the head of tide	Time	Rising, Falling, Unchanged		Height (cm)		
Current-	Time	Cm/sec	Knots	North/South	Ebb/Flood/Slack	
	11:10 AM	0.58	0.0113			
Water Temperature-	10:00 AM 10:40 AM	19.4°C 19.2°C		67°F 66.5°F		
Turbidity- NR						
Chemical						
Standardized Salinity- Low Range Quantabs	9:30 AM	Below Detection				
Student Salinity- Low Range Quantabs		Below Detection				
DO – Hach Drop Count Kit	Time	Temp		ppm DO	% saturation	
		19.4°C		NR		
pH –	10:00 AM 11:00 AM 12:00 PM	7.7 7 7				
Fish-Electroshocking						
	Number	Name		Length of longest	Notes	
	1 3 1 1 2	Common Shiner Eastern Blacknose Dace Fallfish Bluegill Smallmouth Bass				
Fish Totals	TOTAL: 8	Diversity: 5				
Macroinvertebrates-Kicknet	Number	Name		Length of longest		
	NR	Amphipods Snail spp. Mayfly Nymph Stonefly Nymph Water Penny				
Macroinvertebrate Totals	TOTAL:	Diversity: 5				
Sediment Core	Time	Oxid Top	H₂S Smell	Oil	Grain Size	Other Features
	11:12 AM	No	No	No	Abundant: Mud & Sand Rare: Clay	Common: Living Vegetation Rare: Wood

Boats-NR

Commercial/Recreational	Time	Name	Color	Southbound/Northbound	Light/Loaded