

**Day in the Life of the Hudson River 10/13/22**  
**Schoharie Creek, Middleburgh, NY**  
**Mohawk RIVER MILE: 53**  
**Above the Salt Front on a freshwater trib**  
**Middleburgh Central School– Mollie Burgett**  
**Northville Central School – Jamie Dickinson**  
*16 students & 3 adults*



Latitude 42.59947°N & Longitude – 74.33689°W



**Location:** Schoharie Creek, Middleburgh, NY  
**Area:** Southeast of the bridge, on a rocky shore with deciduous trees  
**Sampling Site:** RipRap (large rocks), Piper entering the water  
**Surrounding Land Uses:** Urban/Residential, Forested, Other  
**Shoreline:** 100% Rocky  
**River Bottom:** Rocky  
**Water:** NR  
**Plants in the Water:** 40% Algae

\*NR = Not read/recorded

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>	
<i>Physical</i>					
<i>Air Temperature-</i>	10:15 AM 12:32 PM	18°C 19°C	64°F 66°F		
<i>Wind Speed:</i>	10:20 AM	<i>Anemometer</i> NR	<i>Beaufort</i> 3	<i>Direction</i> S	
<i>Weather today</i>	10:30 AM	>75% cloud cover	Start & Stop Rain		
<i>Weather the past 3 days:</i>	Clear skies before the day of sampling Rain on and off on the day of sampling				
<i>Tides- NR</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>	<i>Water Height (cm)</i>		
<i>Current-</i>	<i>Time</i>	<i>Cm/sec</i>	<i>Knots</i>	<i>North/South</i>	<i>Ebb/Flood/Still</i>
	10:30 AM 12:30 PM 12:37 PM	7.14 10.9 11.62	NR	NR	NR

<b>Water Temperature-</b>	10:26 AM 11:11 AM	14°C 15°C	57.2°F		
<b>Turbidity- Short Sight Tube (60 cm)</b>	10:12 AM 10:56 AM 11:17 AM	>60 cm 53 cm 27.6 cm	Under the bridge		
<b>Chemical</b>					
<b>Salinity-</b>					
<b>Standardized Salinity – LR Quantabs</b>	10:46 AM	65 ppm	*Assume road salt		
<b>DO – NR</b>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>	
<b>pH – Color Match Kit</b>	10:15 AM 12:40 PM	7.4 6			
<b>Nitrates-</b>	10:18 AM	0 ppm			
<b>Phosphates-</b>	10:18 AM	0.25 ppm 0 ppm			
<b>Alkalinity- NR</b>					
<b>Biological-</b>					
<b>Fish – Electroshocking stream</b>	<b>Number</b>	<b>Name</b>	<b>Length of longest</b>	<b>Length of smallest</b>	
10:00 AM- 12:00 PM	1 1 1 1 1 1 1 1 1 1	Longnose dace Fallfish White sucker Oriental Weatherfish Madtom (catfish) Rock Bass Smallmouth Bass Greensided Darter Rainbow Darter			
<b>Fish Totals</b>	<b>TOTAL: 9</b>	<b>Diversity: 9</b>			
<b>Macroinvertebrates</b>	<b>Number</b>	<b>Name</b>	<b>Length of longest</b>	<b>Length of smallest</b>	
	1 1 1 1 1 1 1	Rusty Crayfish Dragonfly nymph Dobsonfly Mayfly nymph Stonefly nymph Caddisfly larva Water penny			
<b>Macroinvertebrate Totals</b>	<b>TOTAL: 7</b>	<b>Diversity: 7</b>			
<b>Sediment Core –</b>					
<b>Length</b>	<b>H2S smell</b>	<b>Oxid Top</b>	<b>Oil</b>	<b>Grain Size</b>	<b>Other Features</b>
NR	No	No	No	Common: sand, gravel, pebbles Rare: mud	Abundant: leaves, macroinvertebrates, living vegetation Common: brick Rare: wood
<b>Boats- NR</b>					
	<b>Time</b>	<b>Name</b>	<b>Color</b>	<b>North/Southbound</b>	<b>Light/Loaded</b>
Commercial					
Recreational					

