

Day in the Life of the Hudson River 10/14/21
Hudson River at Newcomb, East Branch Savannah's River at Wells, Schoharie Creek at Middleburgh
RIVER MILE: 310
Salt Front: ~ 49
Middleburgh Central- Mollie Burgett



Doug Reed, HBRW
 DEC Fisheries
 14 students 12th grade, 4adults
 Latitude 42.599635 N & Longitude – 74.337226 W

Location: Schoharie Creek, Mohawk Drainage, Middleburgh, Schoharie County, NY
Surrounding Land Use: 70% Forested, 30% Urban/Residential, 5% Industrial commercial, 45% Agricultural
Sampling Site: Creek access point is north of Timothy Murphy Park, Fishing access on northern side of the bridge.
Shoreline: Rocky beach area, covered with vegetation, storm drain outflow south of sampling ~50 ft
Water: 18 inches, calm
River Bottom: Rocky, small to medium cobbles
Plants in the water: no plants in the water area
 *NR = Not read/recorded



<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
<i>Physical</i>				
<i>Air Temperature</i>	11:00 AM	22.3 ° C	71.6 ° F	
<i>Wind Speed:</i>		<i>Anemometer</i>	<i>Beaufort</i>	<i>Direction</i>

	11:00 AM	NR	1.75	E
<i>Weather today</i>	9:20 AM	26-50% cloud cover	No rain	
<i>Weather the past 3 days:</i>	Warm, sunny, and overcast, mid 70 partly sunny			
<i>Tides- NA</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>	<i>Height (cm)</i>	
Above the head of tide				
<i>Current- NA</i>	<i>Time</i>	<i>Cm/sec</i>	<i>Knots</i>	<i>North/South</i>
	9:27 AM		0.95	
	9:30 AM		0.98	
	1:45 PM		1.07	
<i>Water Temperature-</i>	9:30 AM	16.5 ° C	61.7 ° F	
<i>Turbidity- long site tube</i>	9:30 AM	60 cm		
Chemical				
<i>Salinity-</i>	NA			
<i>DO – drop count Lamotte</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
	11:00 AM	16.5 ° C	11	107%
<i>pH – indicator solution</i>	9:45 AM	7.6		
<i>Nitrates-</i>	11:00 AM	0.2 ppm		
	11:00 AM	0.2 ppm		
Biological				
<i>Fish</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Notes</i>
Local Electro shocking with the students in the creek	1	Bluegill sunfish	3.0 cm	
	1	Northern Hogsucker	6.4 cm	
	3	Central Stone Roller	6.1 cm	
	44	Rainbow Darter	7.7 cm	
	31	Greenside Darter		
Fish Totals	TOTAL: 80	Diversity: 5		
<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	
Kick Net 2 Total minutes of kicking	56	Mayflies Larvae		
	4	Stonefly larvae		
	1	Hellgrammite		
	3	Caddisfly Larvae		
	4	Aquatic worm		
Macroinvertebrate Totals	TOTAL: 19	Diversity: 6		
<i>Sediment Core</i>	<i>Time</i>	<i>Oxid Top</i>	<i>Grain Size</i>	<i>Other Features</i>
No length recorded		NO	Rare: Gravel Common: Mud	Rare: Shells, Living Vegetation Common: Macros.
Observations				