

Snapshot Day 10/20/16 Data
Mohawk River Valley
SCHOHARIE RIVER SITE RIVER MILE
Middleburgh, NY
Mollie Burgett, Middleburgh High School & 11 students 11/12th grade
42.599109 Lat and -74.331429 Long



Location: On the Schoharie Creek, creek access point is below Timothy Murphy Park Middleburgh, Schoharie County

Sample location runs right along river street (one of the main streets in the village) and is full of cobbles, some grasses and short shrubs under 4 feet tall. The trees along the bank on one side make a break between the road and the creek and the other side divide the creek from farm fields.

Surrounding Land Use: 20% urban/residential, 20% farmland, 20 % forested, 30% beach, 10% industrial/commercial

Shoreline: Banks altered, Riprap, Concrete blocking, rocky, 1 stormdrain of some sort occasionally discharges in to the creek just south from the sample site - ~200 ft. down. Lots of cobbles in stream channel, area covered in vegetation

River Bottom: Mostly rocky although sandy and muddy and brick on ground

Water Depth: 0-120 cm

Water Conditions: Calm, clear

Plants in water: no

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	1:30 PM	12.5°C		
Wind Speed		Beaufort #2	South	
Cloud Cover	1:30 PM	Overcast		
Weather today	1:30 PM	Rain off and on		
Weather recently	80°F dry weather last 2 days			
<i>Water Temperature</i>	1:10 PM	12°C	<i>Average</i>	12.3 °C
	1:10 PM	12		
	1:21 PM	13		
<i>Turbidity - 60 cm Site tube</i>	12:50 PM	14.9 cm	Storm water	

			outflow	
	12:45 PM	38.3 cm	Main Stem	
	12:55 PM	34.6 cm		
	1:40 PM	10 cm		
Chemical				
DO – drop count –	Time	Temp	ppm DO	% saturation
Bridge	1:10 PM 1:45 PM	°C	12 ppm	110%
Under Bridge	1:10 PPM		13	120%
Riffle	1:45 PM 1:21 PM	°C	15 13	140% 120%
Outflow	1:45 PM		11	1035
pH – test strips	1:03 PM 1:09 PM 1:15 PM 1:30 PM	7, 7 7, 7 6 6	Average	6.5
Average - 6.5				
Flow Rate (no current up here)	Riffle	69 cm/sec	Used apple	Slow moving water
Nitrates	1:09 PM 1:40 PM	0 ppm 0 ppm	Under bridge	
Phosphates	1:14 PM 1:35 PM	0 ppm 0 ppm	Under bridge	
	Main stem of creek at surface	Moved backwards because of wind		
Fish –6 ft. net 5 meter pull – Haul 1 (Nothing haul 2)	1	Northern Hog Sucker	9 cm -	DIV – 2 TOTAL- 5
	4	Eastern Silvery Minnow		
Haul 3	6	Eastern Silvery Minnow		Div – 1 Total 6
Haul 4	3	Northern Hog Sucker		Div – 2 Total 8
	5	Eastern Silvery Minnow	7 cm	
Fish Totals	DIV 2	TOTALS 19		
Macroinvertebrates	Number	Species		Diversity 9
Kicknet & hand net	20	Fishfly larvae		Totals 183
	21	Mayfly larvae		
	9	Helgramite		
	27	Stonefly		
	2	Water Beetle		
	5	Water Penny		
	10	Rusty Crayfish		

	9	Aquatic Worms		
	80	Caddisfly		
<i>Observations</i>	1 bald eagle, 2 ducks (species unknown), flock of geese'			