

**Snapshot Day 10/16/14 Data
Mohawk River Valley
SCHOHARIE RIVER SITE RIVER MILE
Middleburgh, NY**



**Mollie Burgett, Middleburgh High School & 7 students 12th grade
42.599774 Lat and -74.336856 Lon**



**37 Invasive Rusty Crayfish collected and
0 native crayfish!**

Location: On the Schoharie Creek by the Bridge Into 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: 30% residential, 70% farmland

Shoreline: Riprap, Concrete blocking, stormdrain of some sort occasionally discharges in to the creek just down from the sample site. Lots of cobbles in stream channel.

Storm Drains: Several

River Bottom: Mostly rocky although sandy and muddy

Water Depth: 50 cm

Plants in area: 70 % grass, 7% trees, 10% shrub

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				

Air Temperature	12:55 PM	73.4°F 23°C	73.4°F 23°C	
Wind Speed		Beaufort #4	South	
Cloud Cover	12:55 PM	100% overcast		
Weather today	1:00 – 4:00 PM	Intermittent rain		
Weather recently	Large storm last night – but prior to that very dry			
Water Surface				
Water Temperature	12:56 PM	19°C	66°F	Shade – water still 2 inch depth
	12:57 PM	20°C	68°F	2 inch depth
	1:50 PM	20°C	68°F	12 inch depth
Turbidity 60 cm Site tube	1:00 PM	Tube was too short – water very clear		
Chlorophyll Chemical	2:10PM	1.5		
DO – titration kit Slow section – not a riffle	2:12 PM	20°C	9.0 mg/L	98%
pH – test strips	12:59 PM 1:04 PM 1:05 pM 1:08 PM	6 7 6 8		Average 7
Flow Rate (no current up here)	Slow moving section	13.3 cm/sec	Average	
	Riffle	39.4 cm/sec	Average	
	Mid section	29.4 cm/sec	Average	
Fish –2 ft. kicknet in a riffle – 1-2PM	1	White sucker	2-5 inch	DIVERSITY 3
	1	Yellow bullhead	4 inch	TOTALS 3
	1	Spottail Shiner	2 inch	
Large Macros	37	Rusty Crayfish	invasive	Div – 1 Total 37
Macroinvertebrates small handnets	Number	Species	2:00 PM	Diversity 6
	50	Fishfly larvae		Totals 73
	5	Mayfly larvae		
	1	Helgramite		
	2	Stonefly		
	15	Riffle Beetle		
	10	Mayfly larvae	2:05 PM	Diversity 3
	2	Helgramite		Totals 13

	1	Water Penny		
	2	Helgramite	2:15 PM	Diversity 3
	6	Stonefly		Totals 9
	1	Water penny		
<i>Core Sample</i>	Length	Rare	Common	Abundant
	5 cm length	Macro-invertebrates	Leaves	Mud Sand Gravel Pebbles
<i>Observations</i>	Slightly overgrown, crayfish shells, cardboard and other trash Few butterflies, chickadees and pigeons			