

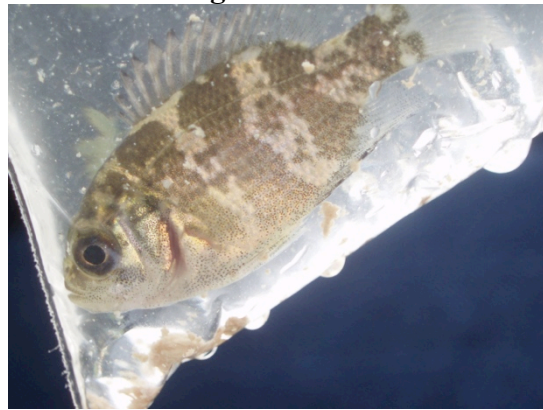
**Snapshot Day 10/10/13 Data**  
**Mohawk River Valley**  
**SCHOHARIE RIVER SITE RIVER MILE**  
**Middleburgh, NY**



**Mollie Burgett, Middleburgh High School & 5 students 12<sup>th</sup> grade**  
**42.599156 Lat and -74.337029 Long**



**Redside Dace**



**Rockbass**

**Location:** On the Schoharie Creek by the Bridge Into Middleburgh  
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:** 50% residential, 50% 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 were flowing into the water when we were sampling

**River Bottom:** Rocky and covered in cobbles

**Water Depth:** 50 cm

**Plants in water:** No but a thin film of algae

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<b><i>Physical</i></b>				
Air Temperature	1:15 PM	59°F 15°C		
Wind Speed		Beaufort #1	SW	
Cloud Cover	100% overcast			
Weather today	No rain, cool			
Weather recently	Rain yesterday			
Water Surface	Water calm (where not bubbling over rapids or in riffles)			
<b><i>Water Temperature</i></b>	1:00 PM	13°C	55.4°F	Riffle area
	1:03 PM	11°C	51.8°F	Slow deeper area
<b><i>Turbidity Site tube</i></b>	1:00 PM	60 cm 60 51		Average 57 cm
<b><i>Chlorophyll</i></b>	1:15 PM	0.1		
<b><i>Chemical</i></b>				
DO – titration kit riffle section	1:00 PM	13°C	9.1 mg/L	85%
Slow deep section	1:03 PM	11°C	15.8 mg/L	140%
pH –* used widerange pH paper – one student did test w/o consultation	1:10 PM	5 5 5		Average 5*
<b><i>Flow Rate (not current)</i></b>	1:00 PM	895 cm/30 sec	29.8 cm/sec	0.579 kts
	1:03 PM	940 cm/30 sec	31.5 cm/sec	0.612 kts
	1:10 PM	805 cm/30 sec	26.8 cm/sec	0.512 kts
<b><i>Fish –4 ft. net – 2 tries X 10 meters-caught 4 fish &amp; 3 crayfish</i></b>	3 1	Redside dace Rockbass	~3 inch 2-2.5 inch	<b>DIVERSITY 2</b>  <b>TOTAL 4</b>
	4	Crayish	(one rusty crayfish - invasive)	
<b><i>Macroinvertebrates from DEC WAVE kick-net sampling</i></b>	<b><i>Number</i></b>	<b><i>Species</i></b>		
	3	Perlidae	Stonefly	

	1	Helgramite	Cranefly	
	4	Ephemerellidae	Mayfly	
	30 small ones	Heptageniidae	Mayfly	
	200	Isonychiidae	Mayfly	
	2	fishfly		
	3	Caddisfly		
	1	Water penny		
	1	Riffle Beatle		