

**Snapshot Day 10/16/18 Data  
Mohawk River Valley  
SCHOHARIE CREEK SITE RIVER MILE  
Middleburgh, NY**

**RIVER MILE: (Mohawk) 53**

**Mollie Burgett, Middleburgh High School & 9 students 12<sup>th</sup> grade  
Doug Reed, Hudson Basin River Watch, DEC fisheries representative  
42.5996 Lat and -74.3368 Long**



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

- Fishing access on north side of bridge

**Surrounding Land Use:** 30% urban/residential, 70% forested, 0% beach, 5% Industrial/Commercial, 45% Agriculture

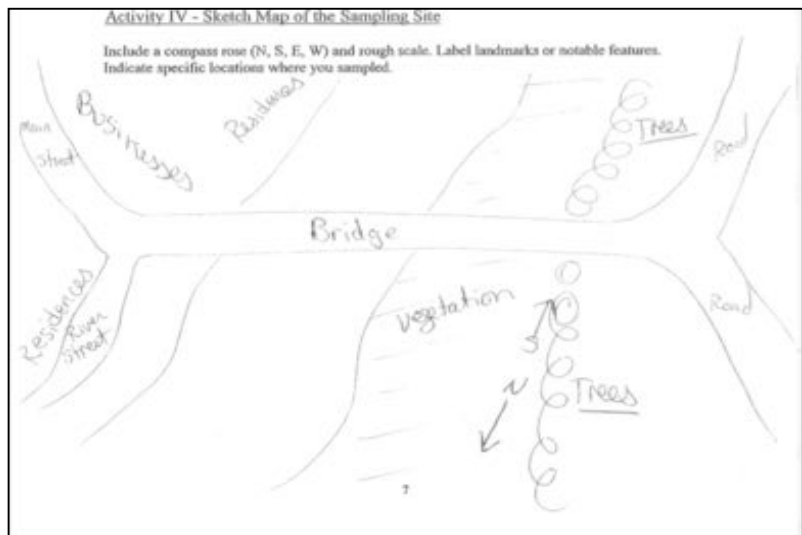
**Shoreline:** Rocky beach area, covered with vegetation, Storm drain outflow south of sampling, 20ft.

**River Bottom:** Rocky

**Water Depth:** 0-5ft

**Water Conditions:** Lots of faster flowing riffles

**Plants in water:** No



| <i>ITEM</i>            | <i>Time</i> | <i>Reading</i>           |        | <i>Comments</i> |
|------------------------|-------------|--------------------------|--------|-----------------|
| <i>Physical</i>        |             |                          |        |                 |
| <i>Air Temperature</i> | 1:13 PM     | 9°C                      | 48.2°F |                 |
|                        | 1:20 PM     | 13°C                     | 55.4°F |                 |
|                        | 1:25 PM     | 14°C                     | 57.2°F |                 |
|                        | 1:50 PM     | 18°C                     | 64.4°F |                 |
| <i>Wind Speed</i>      |             | Beaufort Force: 2, South |        |                 |

|   |  |  |  |   |
|---|--|--|--|---|
|   |  | Water is slightly choppy   |  |   |
| <i>Weather today</i>  | Morning- No Rain, partly cloudy and sunny. Midday- full cloud cover. Late afternoon- mostly clear and sunny. |  |  |   |
| <i>Weather recently</i>   | Colder, steady rain the day before, creek is higher than years past.   |  |  |   |
| <b><i>Water Temperature</i></b>   | 11:12 AM<br>1:20 PM<br><br>2:05 PM   | 12°C<br>13.85°C, 13°C<br>Average=13.425°C<br>13.9°C  | 53.6°F<br>56.93°F, 55.4°F<br><br>57.02°F                                       |   |
| <b><i>Turbidity - Secchi Disk</i></b>   | 1:13 PM  | 50 cm  | >60 cm   | Average 55 cm   |
| <b><i>Chemical</i></b>  |  |  |  |   |
| <i>DO - meter</i>   | <i>Time</i>  | <i>Temp</i>  | <i>ppm DO</i>  | <i>% saturation</i>   |
|   | 1:18 PM<br>1:19 PM<br>2:05 PM  | 13.85°C<br>13.9°C<br>13°C  | 10.08<br>10.8<br>10.59   | 95%<br>104%<br>105%   |
| <i>pH – test strips</i>   | 1:20 PM  | 6, 6 ,6.5  |  | Average:<br>6.17  |
| <b><i>Nitrates</i></b>  | 11:29 AM<br>1:34 PM<br>1:41 PM   | 0<br>2.5<br>0  |  | Average 0.83 ppm  |
| <b><i>Fish</i></b>  | <b><i>Number</i></b>   | <b><i>Name</i></b>   | <b><i>Length of longest</i></b>  |   |
| <i>One attempt at seining was made (20ft net/100ft pull) but only resulted in crayfish. Two DEC staff however ran 2 electroshock runs (one that lasted 20-30 minutes + another that lasted 5 minutes which is where the fish results came from.</i> | 2<br>28<br>1<br>2<br>3<br>21<br>1<br>1<br>6<br>1   | Yellow Perch<br>Common Shiner<br>Walleye<br>Rock Bass<br>Rainbow Darter<br>Chub<br>Largemouth Bass<br>Smallmouth Bass<br>Blacknose Shiner<br>Sculpin | 122mm<br>74mm<br>58mm<br>152mm<br>66mm<br>76mm<br>64mm<br>51mm<br>77mm<br>66mm |   |
| <b><i>Fish Totals</i></b>   | <b>TOAL: 66</b>  | <b>Diversity: 10</b>   |  |   |
| <b><i>Macroinvertebrates</i></b>  | <b><i>Number</i></b>   | <b><i>Species</i></b>  |  |   |
| <i>Seine Net</i>  | Some   | Crayfish   |  |   |
| <i>Kick Net</i>   | 33<br>110<br>5<br>3<br>1   | Stonefly<br>Mayfly<br>Caddisfly<br>Dobsonfly (Crane fly)<br>Aquatic worm   |  |   |
|   | <b>TOTAL: 152+</b>   | <b>Diversity: 6</b>  |  |   |
| <b><i>Flow rates Current</i></b>  | 1:00 PM<br>1:10 PM<br>1:13 PM  | 90.9 cm/second **<br>125 cm/second*<br>86.9 cm/second **   | 1.77 knots<br>2.43 knots<br>1.69 knots   | *Fast riffle<br>** smoother water; main channel moving faster |