

Day in the Life of the Hudson River 10/22/19
SCHOHARIE CREEK
RIVER MILE: (Mohawk River) 53
Salt Front: ~ RM 53
Middleburgh Central- Mollie Burgett
8 students 12th grade, 1 adults
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

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
Physical				
<i>Air Temperature</i>	8:32 AM	14 ° C		
	8:46 AM	15 ° C		
<i>Wind Speed:</i>		Beaufort 1	South	
<i>Weather today</i>	Overcast (100%)			
<i>Weather past 3 days:</i>				
<i>Tides- NA = above the head of tides.</i>	<i>Time</i>	<i>Rising, Falling, Unchanged</i>	<i>Water Height (cm)</i>	<i>Rate of Tidal Change (cm/min)</i>
	NA			
<i>Current-</i>	<i>Time</i>	<i>cm/second, Knots</i>	<i>North/South</i>	<i>Ebb/Flood/Still</i>
	8:43 AM 9:18 AM	69.2 cm/s 81.8 cm/s		
<i>Water Temperature-</i>	8:35 AM	10.5 ° C		
	8:45 AM	10.5 ° C		
	9:19 AM	9 ° C		
<i>Turbidity- long sight tube</i>	8:34 AM	60 cm, 60 cm		
Chemical				
<i>Salinity-</i>	NA			
<i>DO – drop count</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
	8:45 AM	10.5 ° C	8.6	76%
<i>pH – indicator solution</i>	8:36 AM	6.6		
	9:11 AM	6.8		
<i>Nitrates-</i>	8:37 AM	0 ppm		
	9:20 AM	0 ppm		
Biological				
<i>Fish</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	<i>Notes</i>
Electro shocking	15	Tessellated Darter	4 cm	
286 second of total shocking	20	Shield Darter	4 cm	
	2	Rainbow Darter	7 cm	
	6	Greenside Darter	6 cm	
Fish Totals	TOTAL: 43	Diversity: 4		
<i>Macroinvertebrates</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	
Kick Net	9	Mayflies Larvae		
2 Total minutes of	7	Stonefly larvae		

kicking	3 4 1 5	Crayfish Hellgrammite Fishfly Larvae Caddisfly Larvae		
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>
	NR			
Observations				