

Snapshot Day 10/12/17 Data
Mohawk River Valley
NISKAYUNA LOCK 7,
River Run Community Montessori School & Home Schooled students –
40 students 1st-8th grade
Leah Akins, The Environmental Clearing House, 10 adults

Location: On the Mohawk River at Lock 7, Niskayuna

Surrounding Land Use:

Shoreline:

River Bottom:

Water Depth:

Water Conditions:

Plants in water:

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	10:15 AM	12°C	53.2°F	
	11:00 AM	12.5	54.6	
	11:42 AM	14.3	57.8	
Wind Speed	10:15 AM	2.9, 2.5, 2.3, 5.6	*Mph	*assumed – - high readings gusting
	11:00 AM	4.0		
	11:42 AM	3.3, 5.4		
Weather today	Sunny, cold and windy, clouds moved in by 11AM			
Weather recently	Rain yesterday, partly cloudy 2+3 days ago. Mid 60's			
<i>Water Temperature</i>	10:15 AM	19°C		
	11:00 AM	19		
	11:42 AM	16		
<i>Turbidity - Secchi disk</i>	10:15 AM	40 cm		
	11:00 AM	40 cm		
	11:42 AM	40cm		
<i>Chemical</i>				
DO – drop count	Time	Temp	ppm DO	% saturation
	10:15 AM	19°C	4.0 ppm	40%
	11:00 AM	19	4.0 ppm	
	11:42 AM	16	4.0 ppm	
pH – test strips	10:15 AM	7.5		
	11:00 AM	7.5		
	11:42 AM	7.0		
<i>Nitrates</i>	2:00	0 ppm NO ₃ ⁻		
	2:15	2		
<i>Current</i>				
	<i>Cm/sec</i>	<i>Area</i>		
	29.3 0.36	Main part of stream Riffle		

	30.77	Main part of stream		
<i>Fish – 40 ft. seine net, each a 25 ft. pull</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	
<i>9:30 AM</i>	1 1 1 2 1 1	Common Shiner Blunt-nose Minnow Brook Silverside Largemouth Bass Bluegill Sunfish Spotfin shiner		
<i>Fish Totals</i>	DIV 6	TOTAL 7		
<i>10:05 AM</i>	7 3	Bluegill Sunfish Largemouth Bass	6.2 cm 7.5 cm	
	DIV 2	TOTAL 10		
<i>10:40 AM</i>	2 21 9 1 1	Rock Bass Bluegill Sunfish Largemouth Bass Pumpkinseed Spotfin shiner	18 cm 7.0 cm 10.5 cm 11.2 cm 7.5 cm	
	DIV 5	TOTAL 34		
<i>11:15 AM</i>	2 1	Bluegill Sunfish Pumpkinseed	12.0 cm	
	DIV 2	TOTAL 3		
<i>11:50 AM</i>	1 1	Pumpkinseed Bluegill Sunfish	12.2 cm 4.0 cm	
	DIV 2	TOTAL 2		
<i>FISH GRAND TOTAL</i>	DIV 8	TOTAL 56		