

Snapshot Day 10/16/18 Data
Mohawk River Valley
NISKAYUNA LOCK 7
RIVER MILE: (Mohawk) 15
River Run Community Montessori School–
24 students 1st-6th grade
Leah Akins, The Environmental Clearing House
Matt Schlesinger & Russel Moore, DEC
Elizabeth Bertolini, State Parks
Karah Sherwood, River Run
42.80375 Lat, -73.85000 Long

Location: On the Mohawk River at Lock 7, Niskayuna

- Upstream of Lock 7; West shore; in cove, north of boat ramp

Surrounding Land Use: 0% urban residential; 0% industrial/commercial; 50% forested; 10% beach; 40% other (Lock, parking lot, ramp)

Shoreline: 40% sandy; 50% muddy; 10% rocky

River Bottom: muddy, weedy, sandy, rocky

Water Depth: 5 feet

Water Conditions: Calm

Plants in water: 40% water chestnut; 40% duck weed; 20% clear water

<i>ITEM</i>	<i>Time</i>	<i>Reading</i>		<i>Comments</i>
Physical				
<i>Air Temperature</i>	10:14 AM	9.94 °C	49.9 °F	
	10:44 AM	10.28 °C	50.5 °F	
	11:14 AM	9.22 °C	48.6 °F	
<i>Wind Speed</i>	10:14 AM	1.6 mph	1.39 Knots	
	10:44 AM	1.5 mph	1.30 Knots	
	11:14 AM	5.9 mph	5.13 Knots	
<i>Weather today</i>	Clear, cold, sunny			
<i>Water Temperature</i>	10:14 AM	11.39 °C	52.5 °F	
	10:44 AM	14.44 °C	58 °F	
	11:14 AM	12.22 °C	54 °F	
<i>Turbidity - long sight tube</i>	10:14 AM	90 cm		
	10:44 AM	93 cm		
	11:14 AM	83 cm		
Chemical				
<i>DO – drop count</i>	<i>Time</i>	<i>Temp</i>	<i>ppm DO</i>	<i>% saturation</i>
	10:14 AM	11.39 °C	7	
	10:44 AM	14.44 °C	7	
	11:14 AM	12.22 °C	10	
<i>pH – color match test kit</i>	10:14 AM	7		
	10:44 AM	7.3		
	11:14 AM	8		
<i>Fish</i>	<i>Number</i>	<i>Name</i>	<i>Length of longest</i>	

Seine Net: 15ft net, 20ft pull Seine 1: 10:20 AM Seine 2: 10:50 AM Seine 3: 11:20 AM <hr/> 8 Round Minnow Traps: set day prior 4 pm	1 1 3 22 12 3 <hr/> 27 5 1 1 2	Bluegill Bluegill Pumpkinseed Bluegill Pumpkinseed Smallmouth Bass <hr/> Pumpkinseed Brown Bullhead Catfish Blueback Herring Rock Bass White Sucker	4.7 cm 5.7 cm 6.2 cm 5.7 cm 8.4 cm 9.1 cm <hr/> Juvenile Juvenile Juvenile Juvenile Juvenile	Note: Electrofishing with the DEC boat the day before totals not recorded here
Fish Totals	TOAL: 78	Diversity: 7		
Boats: 3 commercial	9:30 AM	Erie Canal Cruise Tug boat Ship	orange and blue white/gray	light
Other observations	Seagulls, ducks	Predacious diving beetle		