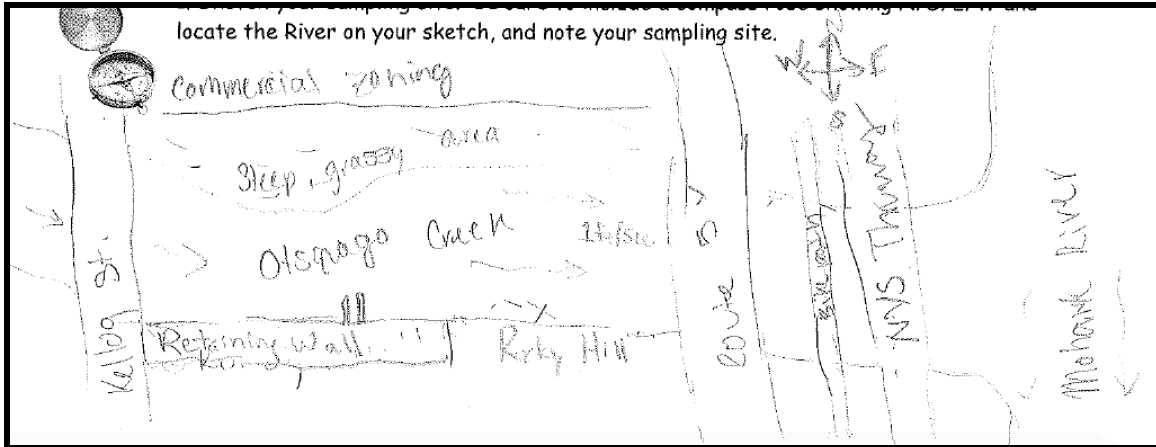


**Snapshot Day 10/12/17 Data
Mohawk River Valley
OTSQUAGO CREEK SITE RIVER MILE
Middleburgh, NY**

**Lance Elliott, Fort Plain High School &
12 students from the 10-12th grade Environmental Study Team
John McKeeby, Schoharie River Center (3 adults total)
42°55'48.46" N and -74°37'21.54"W
300 ft. elevation**



Location: On the Otsquago Creek, Fort Plain, NY

Surrounding Land Use: Forested and grassy, 15% urban/residential, 15% forested, 50% Industrial/Commercial, 35% Roadways

Shoreline: 100% Rocky, banks altered, covered with vegetation, riprap and 2 pipes entering upstream

Note: Area seems to be a dumping ground for dead vegetation, some garbage

River Bottom: Rocky

Water Depth: 4 inches

Water Conditions: Calm

Plants in water: mainly algae, 1% loofstrife around the stream area

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
Physical				
Air Temperature	3:35 PM	17.3°C	63.1°F	
Wind Speed	3:35 PM	7 mph	SE	
Weather today	3:40 PM clear <25% cloud cover Rain 0.03 in/last 24 hrs.			
Weather recently	Rain yesterday; Temp dropped			
Water Temperature	3:34 PM	17°C	62.6 °F	In 4 inches of water
Turbidity - Absorbometric meter	4:27 PM	1 FAU (Formazin Attenuation Unit) = 1 NTU	Very clear	

Chemical				
DO – drop count	Time	Temp	ppm DO	% saturation
	3:45 PM	17°C	9.4 ppm	95%
pH – meter	3:30 PM	8.9		
Alkalinity – LaMotte Code 3467	4:00 PM	80 mg/L		
Nitrates	4:13 PM	0.6 mg/L		
Phosphates	4:23 PM	0.12 mg/L		
Salinity – Quantabs LR tabs	1.4 quantab units	0.005 naCl	32 ppm Cl-	58 ppm TS
Current	Cm/sec	Area		
	30.5 cm/sec	average		
macroinvertebrate	Number	Name	Length of longest	
	8	Flathead mayfly		
	11	Brushleg mayflay		
	19	Fingernet caddisfly		
	28	Common net spinner		
	1	Aquatic snail		
	2	Common Stonefly		
	1	Cranefly		
Macroinvert	DIV 7	TOTAL 70		
Other Observations	chipmonk	Turkey vulture	pidgeon	