

<b>CHEMICAL TESTS FOR OPEQUON CREEK</b>		
Test	Result	Control- Big Run
December 6, 2009		
Dissolved Oxygen	10 ppm	10 ppm
Nitrate	1 ppm	0 ppm
pH	7.0	7.0
Phosphate	0 ppm	0 ppm
Temperature	6° C	7.5° C
January 9, 2010		
Dissolved Oxygen	10 ppm	10 ppm
Nitrate	2 ppm	0 ppm
pH	7.0	7.0
Phosphate	4.0 ppm	0 ppm
Temperature	5° C	7.5° C
January 10, 2010		
Dissolved Oxygen	10 ppm	10 ppm
Nitrate	2 ppm	0 ppm
pH	8.0	7.0
Phosphate	0 ppm	0 ppm
Temperature	3° C	7.5° C
January 14, 2010		
Dissolved Oxygen	10 ppm	10 ppm
Nitrate	1 ppm	0 ppm
pH	7.5	7.0
Phosphate	0 ppm	0 ppm
Temperature	0° C	7.5° C
Averages		
Dissolved Oxygen	10 ppm	10 ppm
Nitrate	1.5 ppm	0 ppm
pH	7.37	7.0
Phosphate	1 ppm	0 ppm
Temperature	3.5° C	7.5° C

<b>BIOLOGICAL TESTS FOR OPEQUON CREEK</b>		
TYPE	# SPOTTED	CONTROL- BIG RUN
Stoneflies	219	12
Damselflies	124	0
Mayflies	31	18
Case-building caddisflies	4	18
Scud/side swimmer	8	0
Minnow	1	0