

Table 1. Squaw Creek Watershed Snapshot Sampling Results – May 12, 2012

	Unit	Method	# of samples	Min Value	Percentiles			Max Value
					25th	50th	75th	
Water Temperature	°F	IOWATER thermometer	29	40	52	55	56	72
Chloride	mg/L	IOWATER test strip	32	<28	28	32	45	224
pH	pH units	IOWATER test strip	24	7	8	8	9	9
Nitrite-N	mg/L	IOWATER test strip	24	0	0	0	0	0.15
Nitrate-N	mg/L	IOWATER test strip	24	1	10	10	20	20
Dissolved Oxygen	mg/L	IOWATER Field Kit	24	6	8	10	10	12
Orthophosphorus	mg/L	IOWATER Field Kit	33	0	0.1	0.1	0.1	4
Transparency	centimeters	IOWATER transparency tube	34	28	60	60	60	60
<i>E. coli</i> Bacteria	MPN/100 ml	Lab Analysis	32	<10	107	190	343	1,600

mg/L = milligrams per liter (or parts per million - ppm)

MPN/100 ml = Most Probable Number per 100 milliliters of water

During May 2012, a total of 81 streams were sampled statewide as part of the Iowa Department of Natural Resources monthly stream monitoring program. Results from this statewide sampling provide perspective for any snapshot events conducted in May. Median levels from the May 2012 statewide sampling were as follows: water temperature –63.0 degrees F; pH – 8.2; dissolved oxygen – 9.0 mg/L; chloride – 18 mg/L; nitrate+nitrite-N – 6.2 mg/L; total phosphate – 0.31 mg/L; *E. coli* bacteria – 960 MNP/100 ml.