

IOWA'S WATER

Ambient Monitoring Program

Water Quality Summary 2000-2002 (Monthly Stream Sites)*

Water Quality Parameter	Units	Number of Samples	Min Value	Percentiles					Max Value
				10th	25th	50th	75th	90th	
Acetochlor	µg/L	2113	<0.1	<0.1	<0.1	<0.1	<0.1	0.13	11
Alachlor	µg/L	2113	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.81
Ammonia (as N)	mg/L	2115	<0.1	<0.1	<0.1	<0.1	<0.1	0.2	5.7
Atrazine	µg/L	2113	<0.1	<0.1	<0.1	<0.1	0.24	0.75	53
Butylate	µg/L	2113	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carbonaceous BOD (5 day)	mg/L	2115	<2	<2	<2	<2	3	5	30
Chlorophyll A	µg/L	2113	<1	1	4	13	43	121	640
Chlorophyll B	µg/L	2113	<1	<1	<1	<1	<1	2	70
Chlorophyll C	µg/L	2113	<1	<1	<1	<1	2	9	66
Corrected Chlorophyll A	µg/L	2113	<1	1	3	9	37	110	620
Cyanazine	µg/L	2113	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1.3
Deethylatrazine	µg/L	2113	<0.1	<0.1	<0.1	<0.1	0.11	0.20	2.6
Deisopropylatrazine	µg/L	2113	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.54
Dimethenamid	µg/L	1539	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	2.5
Diss. Orthophosphate (as P)	mg/L	2110	<0.1	<0.1	<0.1	<0.1	0.14	0.3	17
Dissolved Oxygen	mg/L	2098	0.7	7.6	8.8	10.6	12.7	14.2	19.9
<i>E. coli</i> Bacteria	CFU/100 ml	2111	<10	<10	18	90	300	1,500	920,000
Enterococci Bacteria	CFU/100 ml	2111	<10	10	30	120	340	2,000	310,000
Fecal Coliform Bacteria	CFU/100 ml	2108	<10	<10	20	100	370	2,000	920,000
Field pH	pH units	2106	6.5	7.8	8.0	8.2	8.4	8.6	9.3
Field Temperature	Celsius	2115	0.0	0.0	2.0	12.1	20.8	25.0	34.3
Flow	CFS	2097	0.8	14	49	160	460	1,500	27,500
Metolachlor	µg/L	2113	<0.1	<0.1	<0.1	<0.1	0.1	0.29	23
Metribuzin	µg/L	2113	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.53
Nitrate+Nitrite (as N)	mg/L	2115	<0.1	0.3	1.8	4.4	7.1	10.0	28.0
Silica	mg/L	2114	<1	4.0	8.2	12.0	16.0	20.0	32
Simazine	µg/L	2065	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1
Specific Conductance	µmhos/cm	2115	120	410	490	600	700	830	1,700
Total Dissolved Solids	mg/L	2115	95	250	290	350	430	500	1,060
Total Hardness (as CaCO ₃)	mg/L	2115	64	190	230	290	340	400	750
Total Kjeldahl Nitrogen	mg/L	2114	<0.1	0.2	0.4	0.7	1.2	2	23
Total Phosphorus	mg/L	2114	<0.1	<0.1	<0.1	0.2	0.3	0.6	10
Total Suspended Solids	mg/L	2115	<1	3	7	28	75	170	7,850
Trifluralin	µg/L	2113	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1
Turbidity	NTU	2115	<1	2.7	5.2	14.0	36.0	80.0	3,400

µg/L – micrograms per liter (parts per billion)
mg/L – milligrams per liter (parts per million)
CFU/100 ml – Colony Forming Units per
100 milliliters of water

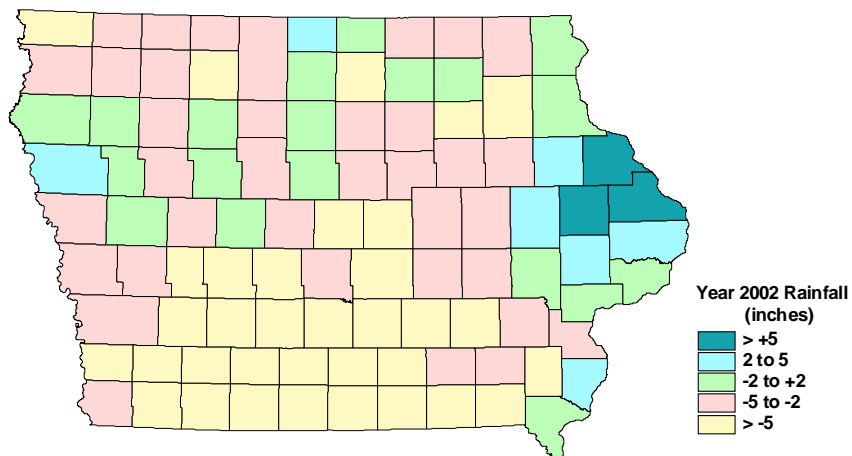
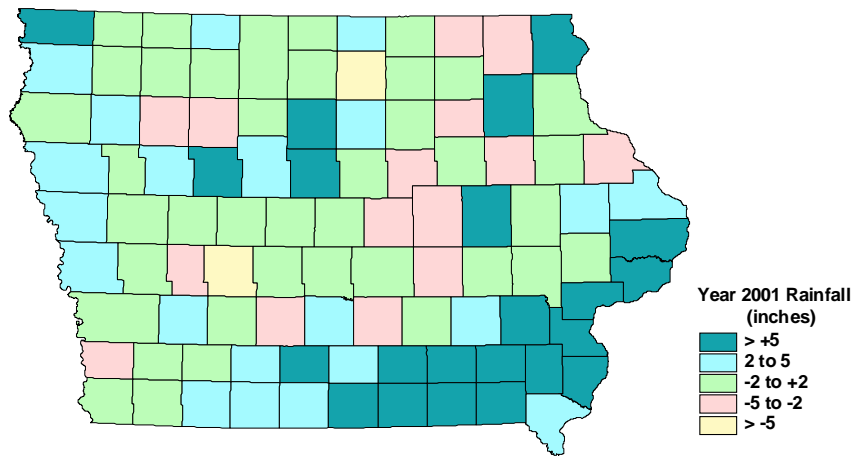
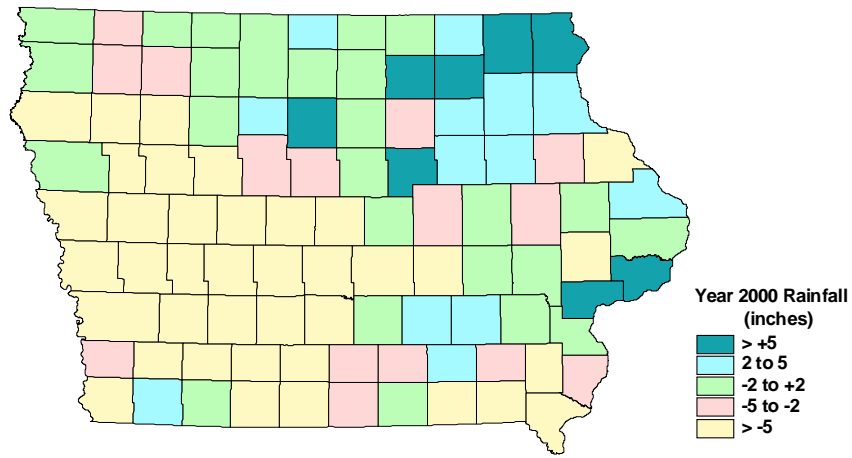
CFS – Cubic Feet per Second (ft³/sec)
µmhos/cm – micromhos per centimeter
NTU – Nephelometric Turbidity Units
< - less than value shown

*Includes monthly samples. Does not include
upstream/downstream city sites, or event
samples.



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Departure from Normal Annual Rainfall



Source: *Iowa Climate Review*, Iowa Department of Agriculture & Land Stewardship.