IOWA'S WATER
Ambient Monitoring Program

Water Quality Summary 2001 (Monthly Stream Sites)*

Water Quality Parameter	Units	Number of Samples	Min Value	Percentiles 10th	25th	50th	75th	90th	Max Value
Acetochlor	µg/L	718	<0.05	<0.05	<0.05	<0.05	<0.05	0.20	8.9
Alachlor	µg/L	717	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.44
Ammonia (as N)	mg/L	719	<0.1	<0.1	<0.1	<0.1	0.1	0.4	5.7
Atrazine	µg/L	718	<0.05	<0.05	0.05	0.084	0.23	0.76	20
Butylate	µg/L	718	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Carbonaceous BOD (5 day)	mg/L	719	<2	<2	<2	<2	3	6	35
Chlorophyll A	µg/L	719	<1	<1	3	8	25	91	455
Chlorophyll B	µg/L	719	<1	<1	<1	<1	<1	<1	63
Chlorophyll C	µg/L	719	<1	<1	<1	<1	<1	7	41
Corrected Chlorophyll A	µg/L	719	<1	<1	1	6	21	79	387
Cyanazine	µg/L	718	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.36
Deethylatrazine	µg/L	718	<0.05	<0.05	<0.05	0.06	0.10	0.17	1.3
Deisopropylatrazine	µg/L	718	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.29
Dimethenamid	µg/L	707	<0.05	<0.05	<0.05	<0.05	<0.05	0.07	3.1
Diss. Orthophosphate (as P)	mg/L	717	<0.1	<0.1	<0.1	<0.1	0.2	0.3	1.5
Dissolved Oxygen	mg/L	714	0.7	7.3	8.5	9.7	11.6	13.0	19.9
E.coli Bacteria	CFU/100 ml	717	<10	10	45	140	400	3,440	960,000
Enterococci Bacteria	CFU/100 ml	717	<10	20	64	170	510	3,880	390,000
Fecal Coliform Bacteria	CFU/100 ml	716	<10	20	54	170	553	4,000	750,000
Field pH	pH units	719	5.0	7.6	7.9	8.1	8.3	8.5	9.2
Field Temperature	Celsius	719	0.0	0.0	3.4	13.5	20.0	25.0	32.0
Flow, runoff	CFS	699	0.85	28.8	85	280	1000	2,610	25,000
Metolachlor	µg/L	716	<0.05	<0.05	<0.05	<0.05	0.14	0.55	11
Metribuzin	µg/L	718	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.53
Nitrate+Nitrate (as N)	mg/L	719	<0.1	0.6	2.7	5.4	8.0	11.0	21.0
Silicia	mg/L	719	<1	5.3	9.1	12.0	16.0	20.2	31
Simazine	µg/L	718	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.54
Specific Conductance	µmhos/cm	719	180	358	460	560	660	780	1,400
Total Dissolved Solids	mg/L	719	95	210	270	330	400	480	1,020
Total Hardness (as $CaCO_3$)	mg/L	719	90	160	220	270	320	380	510
Total Kjeldahl Nitrogen	mg/L	719	<0.05	0.3	0.5	0.8	1.5	2.7	25
Total Phosphorus	mg/L	719	<0.1	<0.1	0.1	0.2	0.4	0.9	20
Total Suspended Solids	mg/L	719	<1	3	9	39	99	390	10,100
Trifluralin	µg/L	713	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.14
Turbidity	NTU	719	<1	2.8	6.1	20.0	48.5	172.0	3,800

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 (ft^3/sec)
µmhos/cm – micromhos per centimeter
NTU – Nephelometric Turbidity Units
< – less than value shown

*Includes both monthly and event samples. Does not include upstream/downstream city sites.

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