

IOWA'S WATER

Ambient Monitoring Program

Water Quality Summary 2002 (Monthly Stream Sites)*

Water Quality Parameter	Units	Number of Samples	Min Value	Percentiles						Max Value
				10th	25th	50th	75th	90th		
Acetochlor	µg/L	721	<0.05	<0.05	<0.05	<0.05	<0.05	0.27	11	
Alachlor	µg/L	721	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	1.2	
Ammonia (as N)	mg/L	722	<0.05	<0.05	<0.05	<0.05	0.05	0.15	1.9	
Atrazine	µg/L	721	<0.05	<0.05	0.05	0.11	0.31	1.10	53	
Butylate	µg/L	721	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.058	
Carbonaceous BOD (5 day)	mg/L	722	<2	<2	<2	<2	3	5	18	
Chloride	mg/L	722	3.6	12	16	22	30	38	140	
Chlorophyll A	µg/L	720	<1	1	4	13	44	111	640	
Chlorophyll B	µg/L	720	<1	<1	<1	<1	<1	2	33	
Chlorophyll C	µg/L	720	<1	<1	<1	<1	2	7	66	
Corrected Chlorophyll A	µg/L	720	<1	<1	3	9	35	99	620	
Cyanazine	µg/L	721	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.19	
Deethylatrazine	µg/L	721	<0.05	<0.05	<0.05	0.08	0.16	0.27	2.3	
Deisopropylatrazine	µg/L	721	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.53	
Dimethenamid	µg/L	721	<0.05	<0.05	<0.05	<0.05	<0.05	0.07	4.4	
Diss. Orthophosphate (as P)	mg/L	719	<0.05	<0.05	<0.05	0.07	0.13	0.24	17	
Dissolved Oxygen	mg/L	713	5.3	7.5	8.6	10.9	13	14.3	19.2	
E.coli Bacteria	CFU/100 ml	722	<10	<10	10	54	240	2,000	920,000	
Enterococci Bacteria	CFU/100 ml	722	<10	<10	20	70	300	2,780	310,000	
Fecal Coliform Bacteria	CFU/100 ml	721	<10	<10	10	64	310	2,400	920,000	
Field pH	pH units	715	6.5	7.7	8.0	8.2	8.4	8.5	9.2	
Field Temperature	Celsius	720	0.0	0.2	0.7	11.1	21.7	25.9	32.3	
Flow, runoff	CFS	711	1	15	59	170	470	1,400	14,000	
Metolachlor	µg/L	720	<0.05	<0.05	<0.05	<0.05	0.11	0.35	23	
Metribuzin	µg/L	721	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.5	
Nitrate+Nitrite (as N)	mg/L	722	0.1	0.6	2.5	5.1	8.0	11.0	28.0	
Pheophytin	µg/L	720	<1	<1	1	3	8	21	134	
Silica	mg/L	721	<1	4.4	8.0	12.0	15.0	20.0	32	
Simazine	µg/L	721	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	1	
Specific Conductance	µmhos/cm	722	200	440	530	640	740	860	1,300	
Sulfate	mg/L	722	6.3	21	27	38	56	100	400	
Total Dissolved Solids	mg/L	722	160	250	300	360	430	510	860	
Total Hardness (as CaCO3)	mg/L	722	100	200	240	300	360	420	610	
Total Kjeldahl Nitrogen	mg/L	722	<0.05	0.2	0.4	0.7	1.3	2.4	23	
Total Phosphorus	mg/L	722	<0.05	<0.05	0.09	0.18	0.32	0.6	10	
Total Suspended Solids	mg/L	722	<1	3	7	25	88	240	7,850	
Trifluralin	µg/L	721	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.3	
Turbidity	NTU	722	<1	2.6	4.7	13.0	41.8	110	4,700	

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



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