Table A.3. Water and sediment sampling names, dates, and GPS locations.

Sample Site	Date Sampled	GPS Location	Water Collected ?	Sediment Collected ?
Lake Sakatah U1	6/25/19	44.222001, -93.568353	Y	Y
Lake Sakatah WWTP	6/25/19	44.218541, -93.553334	Y	Y
Lake Sakatah D1	6/25/19	44.224599, -93.538933	Y	Y
Lake Sakatah D2	6/25/19	44.226975, -93.519374	N	Y
Otsego Creek U1	7/1/19	45.255603, -93.659329	Y	Y
Otsego WWTP Effluent	7/1/19	45.26085, -93.65698	Y	N
Otsego Creek D1	7/1/19	45.255603, -93.659329	Y	N
Little Rock Lake 1	7/8/19	45.745028, -94.162097	Y	Y
Little Rock Lake 2	7/8/19	45.734215, -94.173001	Y	Y
Little Rock Lake 3	7/8/19	45.714293, -94.176900	Y	Y
Little Rock Lake 4	7/8/19	45.701419, -94.176489	N	Y
Pine River U1	7/10/19	46.670516, -94.11296	Y	N
Pine River WWTP	7/10/19	46.666987, 94.110894	Y	Y
Pine River D1	7/10/19	46.660770, -94.105207	Y	Y
Pine River D2	7/10/19	46.657063, -94.101796	N	Y
Lake Shetek 1	7/15/19	44.168632, -95.727386	Y	Y
Lake Shetek 2	7/15/19	44.115218, -95.704391	Y	Y
Lake Shetek 3	7/15/19	44.102524, -95.718588	Y	Y
Lake Ocheda 1	7/16/19	43.557620, -95.634086	Y	Y
Lake Ocheda 2	7/16/19	43.578156, -95.577512	Y	Y
Lake Bemidji U1	7/22/19	47.463519, -94.884108	Y	Y
Lake Bemidji WWTP	7/22/19	47.466574, -94.878920	Y	N
Lake Bemidji D1	7/22/19	47.470277, -94.867867	Y	Y
Lake Bemidji D2	7/22/19	47.476066, -94.866506	N	Y
Lake Bemidji D3	7/22/19	47.488560, -94.879822	N	Y
Pepin Lake	7/24/19	45.910335, -94.648683	N	Y
Long Lake 1	7/24/19	45.712663, -94.714193	N	Y
Long Lake 2	7/24/19	45.704821, -94.713868	N	Y
Lake St. Anna	7/24/19	45.745299, -94.616541	N	Y
Madison Lake 1	7/31/19	44.188275, -93.809759	Y	Y
Madison Lake 2	7/31/19	44.194580, -93.792708	N	Y
Blue Earth River	7/31/19	44.131689, -94.045946	Y	Y
Lake Emily	7/31/19	44.308533, -93.917826	Y	Y
Lake Owasso	8/12/19	45.003792, -93.119813	Y	Y
Medicine Lake	8/12/19	45.010519, -93.422811	Y	Y
Lake Harriet	8/12/19	44.922059, -93.305840	Y	Y
North Creek	8/20/19	45.093713, -95.037826	Y	Y
Lake Wakanda	8/20/19	45.057324, -94.969886	Y	Y
South Creek	8/20/19	45.048645, -94.980284	Y	Y
Shakopee Creek	8/20/19	45.251787, -95.074236	Y	N
Florida Slough Lake	8/20/19	45.247193, -95.074202	Y	Y

Table A.3. continued.

Sample Site	Date Sampled	GPS Location	Water Collected ?	Sediment Collected ?
Lake Andrew	8/20/19	45.313651, -95.046871	Y	Y
Florida Lake	8/20/19	45.256915, -95.060194	N	Y
Long Prairie River	8/27/19	45.980074, -95.312084	Y	N
Lake Ida	8/27/19	45.981410, -95.399803	Y	N
Lake Winona	8/27/19	45.875179, -95.405141	Y	Y

Table A.4. Water temperature, pH, specific conductivity, and percent dissolved oxygen for the 2019 water and sediment samples.

Sample Site	Water Temperature (^oC)	pH	Conductivity (mS/cm)	Dissolved Oxygen (%)
Lake Sakatah U1	21.4	8.90	--	--
Lake Sakatah WWTP	22	8.50	--	--
Lake Sakatah D1	21.5	8.50	--	--
Lake Sakatah D2	21.8	8.90	--	--
Otsego U1	23.5	8.10	--	--
Otsego WWTP Effluent	--	7.64	--	--
Otsego D1	22.3	8.70	--	--
Little Rock Lake 1	26.18	8.77	0.298	--
Little Rock Lake 2	25.3	8.65	0.303	--
Little Rock Lake 3	25.92	8.19	0.276	--
Little Rock Lake 4	27.09	8.67	0.260	--
Pine River U1	24.04	8.40	0.220	--
Pine River WWTP	24.77	7.87	0.217	--
Pine River D1	25.08	8.03	0.219	--
Pine River D2	25.39	8.30	0.218	--
Lake Shetek 1	27.45	8.06	0.733	--
Lake Shetek 2	25.91	7.98	0.562	--
Lake Shetek 3	27.32	8.29	0.546	--
Lake Ocheda 1	26.63	7.84	0.434	--
Lake Ocheda 2	26.24	7.72	0.407	--
Lake Bemidji U1	24.07	8.24	0.341	101.4
Lake Bemidji WWTP	23.43	8.17	0.351	97.8
Lake Bemidji D1	24.01	8.46	0.325	107.7
Lake Bemidji D2	23.85	8.40	0.326	102.4
Lake Bemidji D3	23.63	8.27	0.330	99.2
Pepin Lake	23.36	8.29	0.425	--
Long Lake 1	26.37	8.17	0.487	--
Long Lake 2	26.92	8.26	0.485	--
Lake St. Anna	26.66	8.45	0.382	--
Madison Lake 1	24.56	8.41	0.297	116.8

Table A.4. continued.

Sample Site	Water Temperature (^{o}C)	pH	Conductivity (mS/cm)	Dissolved Oxygen (%)
Madison Lake 2	24.8	8.49	0.295	140.02
Blue Earth River	21.77	8.07	0.560	117.7
Lake Emily	25.53	8.47	0.381	116.2
Lake Owasso	24.53	8.65	0.375	98.5
Medicine Lake	24.40	8.25	0.684	103.8
Lake Harriet	24.71	8.41	0.605	117
North Creek	22.6	6.48	0.551	39.4
Lake Wakanda	23.88	8.18	0.602	78.9
South Creek	22.16	7.53	0.517	80.2
Shakopee Creek	23.12	6.69	0.449	47
Florida Slough Lake	24.82	7.72	0.415	92.4
Lake Andrew	24.92	7.88	0.389	86.8
Florida Lake	24.6	7.95	0.404	88.4
Long Prairie River	19.89	8.19	0.424	88.6
Lake Ida	19.33	8.14	0.332	82.2
Lake Winona	19.41	8.17	1.77	100.4

Table A.5. Percent water, organic, carbonate, and inorganic in the 2019 Minnesota sediment samples determined through loss-on-ignition.

Sample	**Water (%)**	**Organic (%)**	**Carbonate (%)**	**Inorganic (%)**
Lake Sakatah U1	54	7	17	76
Lake Sakatah WWTP	45	3	8	88
Lake Sakatah D1	82	15	26	59
Lake Sakatah D2	69	15	37	48
Otsego Creek U1	27	2	3	95
Little Rock Lake 1	87	23	22	55
Little Rock Lake 2	31	1	1	97
Little Rock Lake 3	90	27	22	51
Little Rock Lake 4	85	23	16	61
Pine River WWTP	17	1	2	97
Pine River D1	26	1	1	98
Pine River D2	14	1	1	99
Lake Shetek 1	71	10	36	53
Lake Shetek 2	82	16	30	53
Lake Shetek 3	77	12	27	61
Lake Ocheda 1	75	12	28	60
Lake Ocheda 2	75	19	20	62
Lake Bemidji U1	82	27	36	37
Lake Bemidji D1	86	23	49	28
Lake Bemidji D2	85	22	51	27
Lake Bemidji D3	86	21	55	24
Pepin Lake	89	17	59	25
Long Lake 1	83	18	42	40
Long Lake 2	80	16	33	51
Lake St. Anna	85	20	45	35
Madison Lake 1	86	18	21	61
Blue Earth River	16	1	10	89
Lake Emily	84	29	20	51
Lake Owasso	92	55	5	40
Medicine Lake	82	26	28	46
Lake Harriet	90	27	31	42
Lake Wakanda	71	13	30	57
Shakopee Creek	86	48	6	46
Florida Slough Lake	87	31	35	34
Lake Andrew	80	15	30	55
Lake Winona	79	17	60	23

Table A.6. 2019 Minnesota water sample antibiotic concentrations. "nd" signifies non-detect, values below the LOD is signified by "<LOD", "*" means that the value is between the LOD and LOQ, and "^" means that the value was not recovery corrected.

(ng/L)	Lake Sakatah U1	Lake Sakatah WWTP	Lake Sakatah D1	Otsego Creek U1	Otsego WWTP Effluent	Otsego Creek D1	Little Rock Lake 1	Little Rock Lake 2	Little Rock Lake 3	Pine River U1
Norfloxacin	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Ciprofloxacin	nd	nd	nd	nd	228	nd	nd	nd	nd	nd
Enrofloxacin	nd	nd	nd	3*	5	<1	45	3*	nd	<3
Ofloxacin	nd	<1	<1	14	172	6	<2	<2	<2	<2
Tetracycline	nd	nd	nd	nd	7*	nd	nd	nd	nd	nd
Doxycycline	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Oxytetracycline	nd	nd	9	nd	nd	nd	nd	nd	nd	nd
Chlortetracycline	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Erythromycin	5*	<2	<2	2*	2*	<2	nd	nd	nd	2
Roxithromycin	<1	<1	<1	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.1
Tylosin	nd^	7^	7^	8^	8^	9^	nd	nd	nd	nd
Azithromycin	nd	nd	nd	22	596^	6	nd	nd	nd	nd
Clarithromycin	nd	2*	3	2	10	3	1	1	1	3
Carbadox	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Trimethoprim	nd	4	18	15	24^	5	3	1*	1*	1*
Lincomycin	1	4	7	nd	nd	nd	2	1	2	1
Amoxicillin	3^	nd	nd	nd	nd	nd	1^	1^	1^	0.1^
Penicillin V	nd^	nd	nd	nd	nd	nd	nd	nd	nd	nd
Penicillin G	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Sulfapyridine	11	nd	nd	nd	82^	45^	nd	nd	nd	nd
Sulfadiazine	4*	nd	nd	nd	154^	nd	nd	nd	nd	nd
Sulfamethoxazole	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Sulfamethazine	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Sulfachlorpyridazine	nd	nd	36	42^	141^	102^	nd	nd	nd	nd
Sulfadimethoxine	15	nd	nd	nd	nd	nd	14	nd	nd	nd

Table A.6.continued.

(ng/L)	Pine River WWTP	Pine River D1	Lake Shetek 1	Lake Shetek 2	Lake Shetek 3	Lake Ocheda 1	Lake Ocheda 2	Lake Bemidji U1	Lake Bemidji WWTP	Bemidji D1
Norfloxacin	nd	nd	nd	192	nd	nd^	nd	nd	nd	nd
Ciprofloxacin	nd	nd	nd	173	nd	nd^	nd	nd	nd	nd
Enrofloxacin	4*	<3	<3	233	<3	nd^	nd^	<2	<2	<2
Ofloxacin	2*	<2	nd	131	<3	nd^	nd	nd	<2	3*
Tetracycline	nd	nd	865	nd	nd	nd	nd	7	11	6
Doxycycline	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Oxytetracycline	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Chlortetracycline	nd	nd	nd	nd	nd	nd	nd	14	19	9
Erythromycin	3	3	3*	56	<2	96	nd	<2	<2	3*
Roxithromycin	<0.1	<0.1	<3	nd	<3	nd	nd	<1	<1	<1
Tylosin	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Azithromycin	nd	nd	nd	nd	<7	nd^	nd^	nd	nd	29
Clarithromycin	3	3	nd	nd	nd	nd	nd	<2	2*	2*
Carbadox	nd	nd	nd	nd	<14	<9	<9	nd	nd	nd
Trimethoprim	1*	2*	<20	<20	<20	<22	<22	1*	<24	<24
Lincomycin	1	1	<4	<4	<4	<6	<6	1	<6	<6
Amoxicillin	1*^	0.8^	nd	nd	nd	nd	nd	0.8*	nd	nd
Penicillin V	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Penicillin G	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Sulfapyridine	<3	nd	nd	nd	nd	<44	63*	<3	nd	nd
Sulfadiazine	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Sulfamethoxazole	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Sulfamethazine	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Sulfachlorpyridazine	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Sulfadimethoxine	nd	nd	36*	<13	<13	12*	91	nd	31	20*

Table A.6. continued.

(ng/L)	Madison Lake 1	Blue Earth River	Lake Emily	Lake Owasso	Medicine Lake	Lake Harriet	North Creek	Lake Wakanda	South Creek	Shakopee Creek
Norfloxacin	nd	nd	nd	19*	9*	<9	nd	nd	nd	nd
Ciprofloxacin	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Enrofloxacin	nd	nd	nd	nd	nd	nd	nd	nd	nd	<372
Ofloxacin	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Tetracycline	nd	nd	nd	121^	66	145^	35	17	46	49*
Doxycycline	nd	nd	nd	135^	84	162^	55	21	49	60*
Oxytetracycline	nd	nd	nd	288^	189	220	25	12	31	39
Chlortetracycline	nd	nd	nd	nd	nd	nd	nd	1	nd	nd
Erythromycin	nd	2*	nd	<3	nd	nd	nd	18*	nd	nd
Roxithromycin	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Tylosin	nd	nd	nd	<65	<65	145*	<312	nd	nd	nd
Azithromycin	<8	nd^	<8	nd	nd	nd	nd	nd	nd	nd
Clarithromycin	nd	nd	nd	19	22	19	13*	<12	<12	<1
Carbadox	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Trimethoprim	<1	1*	<1	nd	nd	nd	nd	nd	nd	<1
Lincomycin	nd	nd	nd	<1	<1	<1	<0.4	nd	nd	nd
Amoxicillin	9	7	4	nd	nd	nd	nd	nd	nd	nd
Penicillin V	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Penicillin G	nd	nd	nd	15	14	33	nd	nd	nd	nd
Sulfapyridine	nd	nd	nd	nd	<4	nd	nd	nd	nd	nd
Sulfadiazine	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Sulfamethoxazole	nd	nd	nd	15	10	nd	146	nd	nd	nd
Sulfamethazine	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Sulfachlorpyridazine	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Sulfadimethoxine	nd	nd	nd	3*	<3	nd	82	2*	nd	nd

Table A.6. continued.

(ng/L)	Florida Slough Lake	Lake Andrew	Long Prairie River	Lake Ida	Lake Winona	Lake Harriet	North Creek	Lake Wakanda	South Creek	Shakopee Creek
Norfloxacin	nd	nd	nd	nd	nd	<9	nd	nd	nd	nd
Ciprofloxacin	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Enrofloxacin	<372	<372	nd	nd	nd	nd	nd	nd	nd	<372
Ofloxacin	nd	nd	nd	nd	6*	nd	nd	nd	nd	nd
Tetracycline	73*	131	nd	7	19	145^	35	17	46	49*
Doxycycline	79*	120	nd	nd	21	162^	55	21	49	60*
Oxytetracycline	47	53	9*	nd	11*	220	25	12	31	39
Chlortetracycline	nd	nd	nd	nd	nd	nd	nd	1	nd	nd
Erythromycin	9*	nd	<4	<4	5*	nd	nd	18*	nd	nd
Roxithromycin	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Tylosin	nd	<144	<4	<4	<4	145*	<312	nd	nd	nd
Azithromycin	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Clarithromycin	8	nd	<3	<3	nd	19	13*	<12	<12	<1
Carbadox	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Trimethoprim	nd	nd	<5	nd	30	nd	nd	nd	nd	<1
Lincomycin	<1	<1	<1	<1	<1	<1	<0.4	nd	nd	nd
Amoxicillin	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Penicillin V	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Penicillin G	3	15	nd	nd	nd	33	nd	nd	nd	nd
Sulfapyridine	nd	nd	nd	nd	63	nd	nd	nd	nd	nd
Sulfadiazine	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Sulfamethoxazole	nd	7*	nd	nd	445	nd	146	nd	nd	nd
Sulfamethazine	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Sulfachlorpyridazine	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Sulfadimethoxine	6*	<6	1*	<2	nd	nd	82	2*	nd	nd

Table A.7. 2019 Minnesota sediment sample antibiotic concentrations. The following symbols have the following meanings: nd is non-detect, <LOD is a values below the LOD, * is a value between the LOD and LOQ, ^ is a value no recovery corrected, and – is a value that was excluded due to the inability to rerun the sample due to the COVID-19 university shutdown.

	Lake Sakatah U1	Lake Sakatah WWTP	Lake Sakatah D1	Lake Sakatah D2	Otsego Creek U1	Little Rock Lake 1	Little Rock Lake 2	Little Rock Lake 3	Little Rock Lake 4	Pine River WWTP
Norfloxacin	79*	330	<44	81*	--	nd	nd	nd	<20	--
Ciprofloxacin	nd	54*	nd	nd	--	75	nd	<19	nd	--
Enrofloxacin	131	559	nd	95*	--	829	33*	413	nd	--
Ofloxacin	nd	nd	nd	nd	--	nd	nd	nd	nd	--
Tetracycline	16*	49	15*	nd	nd	12*	nd	<11	10	nd
Doxycycline	97	96	93	152	nd	30*	<10	<10	18	nd
Oxytetracycline	nd	nd	nd	nd	nd	20*	nd	<16	7	nd
Chlortetracycline	--	--	--	--	nd	522	--	--	--	nd
Erythromycin	nd	nd	nd	nd	nd#	nd	nd	nd	nd	nd
Roxithromycin	nd	nd	nd	nd	<15#	<213	nd	<213	nd	<16
Tylosin	nd	nd	nd	nd	nd#	nd	nd	nd	nd	<12
Clarithromycin	nd	<40	nd	<181	<23#	nd	nd	nd	nd	69*
Carbadox	5	9	4	5	nd	nd	nd	nd	nd	nd
Trimethoprim	24	nd	5	144	nd	nd	nd	nd	3	nd
Sulfapyridine	nd	nd	nd	nd	<49	nd	nd	nd	nd	nd
Sulfadiazine	8*	10*	7*	7*	<19	28*	23*	nd	2	nd
Sulfamethoxazole	nd	nd	<16	nd	<57	<87	nd	nd	nd	64*
Sulfamethazine	322	353	184	273	nd	nd	<32	nd	7	nd
Sulfachlorpyridazine	nd	nd	<195	nd	<14	nd	nd	nd	nd	<11
Sulfadimethoxine	352	491	306	444	nd	294	541	nd	533	nd

Table A.7. continued.

(ng/g)	Pine River D1	Pine River D2	Lake Shetek 1	Lake Shetek 2	Lake Shetek 3	Lake Ocheda 1	Lake Ocheda 2	Lake Bemidji U1	Lake Bemidji D1	Lake Bemidji D2
Norfloxacin	--	--	nd^	nd^	nd^	nd	<64	<9	<9	--
Ciprofloxacin	--	--	<25^	nd^	<25^	nd	nd	nd	<11	--
Enrofloxacin	--	--	nd^	nd^	nd^	nd	121*	<7	21*	--
Ofloxacin	--	--	nd^	nd^	<221^	nd	nd	nd	<118	--
Tetracycline	nd	--	<8	31	nd	nd	20*	nd	nd	nd
Doxycycline	nd	--	14*	43	nd	<16	378	nd	nd	32
Oxytetracycline	nd	--	nd	67	<14	nd	nd	nd	1*	<10
Chlortetracycline	nd	--	63#	371	107#	--	--	nd	nd	25
Erythromycin	nd	<38	nd	nd	nd	nd	nd	<11	<11	nd
Roxithromycin	nd	<63	nd	nd	nd	nd	nd	<17	<17	<19
Tylosin	nd	<10	nd	nd	nd	nd	nd	<15	<15	<10
Clarithromycin	nd	<231	nd	nd	nd	nd	nd	<19	<19	<33
Carbadox	nd	nd	nd	nd	nd	nd	nd	nd	nd	2
Trimethoprim	nd	52#	nd	nd	5	25	43	3	5	6
Sulfapyridine	nd	nd	<53	nd	247	328	nd	<22	<22	46*
Sulfadiazine	nd	<42	<9	<9	<9	<3	9	<19	<19	nd
Sulfamethoxazole	nd	nd	<77	nd	<77	56	<16	nd	<17	nd
Sulfamethazine	nd	<5	nd	nd	<486	1*	nd	nd	<18	<6
Sulfachlorpyridazine	nd	nd	nd	nd	<312	<201	<201	nd	<25	<11
Sulfadimethoxine	nd	nd	nd	nd	<325	11*	<9	<22	28*	nd

Table A.7. continued.

(ng/g)	Lake Bemidji D3	Pepin Lake	Long Lake 1	Long Lake 2	Lake St. Anna	Madison Lake 1	Blue Earth River	Lake Emily	Lake Owasso	Medicine Lake
Norfloxacin	--	--	83	nd	--	--	--	--	--	--
Ciprofloxacin	--	--	nd	nd	--	--	--	--	--	--
Enrofloxacin	--	--	388	nd	--	--	--	--	--	--
Ofloxacin	--	--	nd	nd	--	--	--	--	--	--
Tetracycline	<8	nd	nd	66	nd	390	nd	52	nd	<15
Doxycycline	12	<15	43	179	nd	380	nd	nd	28*	37*
Oxytetracycline	<10	nd	33	25	nd	nd	nd	44*	<28	32*
Chlortetracycline	15	nd	--	--	nd	nd	nd	84	--	--
Erythromycin	nd	<26	nd	nd	<26	nd	nd[#]	<26[#]	<29	<29
Roxithromycin	<19	<9	nd	nd	<9	<16	nd[#]	<9[#]	nd	nd
Tylosin	<10	<34	nd	nd	<34	<12	nd[#]	<34[#]	nd	nd
Clarithromycin	<33	<10	nd	309	26*	<26	nd[#]	16*[#]	nd	nd
Carbadox	nd	nd	nd	4	nd	nd	nd	nd[#]	nd	nd
Trimethoprim	12	nd[#]	13	nd	1	nd	nd	17[#]	1	2
Sulfapyridine	<35	<66	nd	6*	<66	<45	nd	<66[#]	nd	nd
Sulfadiazine	<17	<29	27	3	<29	<11	nd	<29[#]	nd	nd
Sulfamethoxazole	nd	<105	nd	3*	<105	<42	nd	<105[#]	nd	nd
Sulfamethazine	<6	<21	21	nd	<21	<6	nd	<21[#]	nd	nd
Sulfachlorpyridazine	nd	<19	<5	9*	<19	nd	nd	nd[#]	6*	<4
Sulfadimethoxine	nd	nd	179	2*	nd	nd	nd	nd[#]	652	733

Table A.7. continued.

(ng/g)	Lake Harriet	Lake Wakanda	Florida Slough Lake	Lake Andrew	Shakopee Creek	Lake Winona
Norfloxacin	--	--	--	--	--	--
Ciprofloxacin	--	--	--	--	--	--
Enrofloxacin	--	--	--	--	--	--
Ofloxacin	--	--	--	--	--	--
Tetracycline	40*	--	--	--	--	nd
Doxycycline	66	--	--	--	--	10
Oxytetracycline	59*	--	--	--	--	nd
Chlortetracycline	--	--	--	--	--	nd
Erythromycin	<29	<38	nd	nd	nd	<76
Roxithromycin	<355	<63	nd	nd	nd	<19
Tylosin	nd	<10	<3	11	10	<10
Clarithromycin	nd	<231	nd	nd	nd	<33
Carbadox	nd	nd	nd	nd	nd	nd
Trimethoprim	1	49	726	17	107	48
Sulfapyridine	nd	<100	<13	nd	nd	131
Sulfadiazine	nd	<42	nd	nd	nd	<17
Sulfamethoxazole	nd	nd	nd	nd	35*	nd
Sulfamethazine	nd	<5	nd	<4	10*	<6
Sulfachlorpyridazine	<4	nd	<10	<10	nd	<11
Sulfadimethoxine	252	nd	nd	nd	nd	nd