Table A. Complete chemical analyses of water samples collected July, 2000 from drain pipes A and B, from the open channel sampling site, and from the effluent holding pond

Sample No.	pH	temp °C	CN-WAD mg/L	Fe(CN)6 mg/L	NO3 mg/L	NO2 mg/L	NH4 mg/L	Ag ug/L	Al ug/L	As ug/L	Au ug/L	Ba ug/L	Be ug/L	Bi ug/L	Ca mg/L	Cd ug/L	Ce ug/L	Co ug/L	Cr ug/L	Cs ug/L	Cu ug/L
Channel t1	8.68	19.1	0.80	0.90	2830	8.79	0.08	24	0.4	260	20	2	<0.05	< 0.01	430	<0.02	< 0.01	280	36	0.03	5
Channel t2	8.91	28.2	0.62	0.74		8.85	0.06	25	<0.3	280	21	2	<0.05	< 0.01	410	<0.02	< 0.01	270	36	0.03	5
Channel t3	9.02	26.0	0.74	0.74	2830	8.92	0.06	21	<0.3	280	20	2	<0.05	< 0.01	390	<0.02	< 0.01	270	35	0.02	5
Channel t4	8.63	17.2	0.24	1.80	3010	8.72	0.06	14	<0.3	280	16	2	<0.05	< 0.01	380	<0.02	< 0.01	260	35	0.02	4
Channel t5	8.49	15.3	0.18	1.97	2830	8.65	0.10	15	<0.3	280	15	2	<0.05	< 0.01	370	<0.02	< 0.01	260	36	0.02	4
Channel t6	8.40	14.6	0.19	1.98	2830	8.59	0.13	15	<0.3	270	16	2	<0.05	< 0.01	370	<0.02	< 0.01	260	35	0.01	4
Channel t7	8.74	18.3	0.82	0.91	2830	8.65	0.13	23	<0.3	280	19	2	<0.05	< 0.01	360	<0.02	< 0.01	260	34	< 0.01	4
Channel t8	9.01	27.0	0.65	0.58	3010	8.92	0.06	24	<0.3	280	16	2	<0.05	< 0.01	370	<0.02	< 0.01	260	35	< 0.01	5
Drain A t1	8.65	16.2	0.23	2.29	2830	10.3	<0.01	6.6	<0.3	200	13	0.7	<0.05	< 0.01	380	<0.02	< 0.01	260	32	< 0.01	3
Drain A t2	8.68	14.3	0.24	2.26	2830	10.3	0.01	6.8	<0.3	200	13	0.7	<0.05	< 0.01	380	<0.02	< 0.01	250	32	< 0.01	3
Drain A t3	8.64	14.1	0.17	2.22	2830	10.0	0.01	6.8	<0.3	200	13	0.7	<0.05	< 0.01	390	0.74	< 0.01	260	33	< 0.01	4
Drain A t4	8.63	14.1	0.17	2.19	3010	9.97	<0.01	5.9	<0.3	200	13	0.7	<0.05	< 0.01	380	0.1	< 0.01	250	33	< 0.01	3
Drain A t5	8.63	14.5	0.18	2.13	3010	9.90	<0.01	6.9	<0.3	200	12	0.7	<0.05	< 0.01	390	<0.02	< 0.01	250	33	< 0.01	3
Drain B t1	7.66	18.4	0.40	3.60	2660	13.9	0.10	3	<0.3	330	27	0.6	<0.05	< 0.01	310	0.03	< 0.01	260	31	< 0.01	5
Drain B t2	7.65	19.1	0.46	3.59	2660	13.9	0.13	2.9	<0.3	320	27	0.6	<0.05	< 0.01	310	<0.02	< 0.01	250	30	< 0.01	5
Drain B t3	7.66	18.1	0.32	3.60	2830	14.0	0.13	3	<0.3	330	26	0.6	<0.05	< 0.01	310	0.2	< 0.01	260	31	< 0.01	5
Drain B t4	7.63	18.0	0.31	3.58	2660	14.0	0.13	2.6	<0.3	320	22	0.6	<0.05	< 0.01	310	0.04	< 0.01	260	31	< 0.01	5
Drain B t5	7.68	19.0	0.34	3.57	2830	13.8	0.01	3	<0.3	320	27	0.6	<0.05	< 0.01	310	<0.02	< 0.01	260	31	< 0.01	5
Pond midday	9.20	21.9	0.02	<0.20	2660	8.99	0.07	0.2	<0.3	460	7	31	<0.05	< 0.01	670	0.3	< 0.01	290	19	< 0.01	6

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Table A. Com

Sample No.	Dy ug/L	Er ug/L	Eu ug/L	Fe ug/L	Ga ug/L	Gd ug/L	Ge ug/L	Ho ug/L	In ug/L	K ug/L	La ug/L	Li ug/L	Mg mg/L	Mn ug/L	Mo ug/L	Na mg/L	Nd ug/L	Ni ug/L	P ug/L	Pb ug/L	Pr ug/L
Channel t1	< 0.005	< 0.005	< 0.005	770	0.05	< 0.005	0.2	< 0.005	< 0.01	3100	< 0.01	31	12	160	27	>200	< 0.01	<0.1	4	<0.05	< 0.01
Channel t2	< 0.005	< 0.005	< 0.005	700	0.07	< 0.005	0.2	< 0.005	< 0.01	3000	< 0.01	29	9.6	29	28	>200	< 0.01	<0.1	2	<0.05	< 0.01
Channel t3	< 0.005	< 0.005	< 0.005	740	0.06	< 0.005	0.2	< 0.005	< 0.01	2800	< 0.01	28	8.9	24	28	>200	< 0.01	<0.1	2	<0.05	< 0.01
Channel t4	< 0.005	< 0.005	< 0.005	830	0.05	< 0.005	0.2	< 0.005	< 0.01	2600	< 0.01	28	9.1	120	28	>200	< 0.01	<0.1	< 2	<0.05	< 0.01
Channel t5	< 0.005	< 0.005	< 0.005	860	0.06	< 0.005	0.2	< 0.005	< 0.01	2500	< 0.01	27	8.6	210	28	>200	< 0.01	<0.1	< 2	<0.05	< 0.01
Channel t6	< 0.005	< 0.005	< 0.005	850	0.05	< 0.005	0.2	< 0.005	< 0.01	2400	< 0.01	27	8.3	230	27	>200	< 0.01	<0.1	< 2	<0.05	< 0.01
Channel t7	< 0.005	< 0.005	< 0.005	810	0.05	< 0.005	0.2	< 0.005	< 0.01	2400	< 0.01	27	7.3	160	28	>200	< 0.01	<0.1	< 2	<0.05	< 0.01
Channel t8	< 0.005	< 0.005	< 0.005	760	0.08	< 0.005	0.1	< 0.005	< 0.01	2500	< 0.01	27	7.9	26	28	>200	< 0.01	<0.1	< 2	<0.05	< 0.01
Drain A t1	< 0.005	< 0.005	< 0.005	960	0.04	< 0.005	0.2	< 0.005	< 0.01	2400	< 0.01	30	8.4	12	22	>200	< 0.01	<0.1	< 2	<0.05	< 0.01
Drain A t2	< 0.005	< 0.005	< 0.005	940	0.06	< 0.005	0.2	< 0.005	< 0.01	2400	< 0.01	29	7.6	12	22	>200	< 0.01	<0.1	2	<0.05	< 0.01
Drain A t3	< 0.005	< 0.005	< 0.005	960	0.06	< 0.005	0.2	< 0.005	< 0.01	2400	< 0.01	30	8.3	12	22	>200	< 0.01	<0.1	2	<0.05	< 0.01
Drain A t4	< 0.005	< 0.005	< 0.005	960	0.04	< 0.005	0.2	< 0.005	< 0.01	2300	< 0.01	30	7.4	12	22	>200	< 0.01	<0.1	< 2	<0.05	< 0.01
Drain A t5	< 0.005	< 0.005	< 0.005	960	0.06	< 0.005	0.1	< 0.005	< 0.01	2400	< 0.01	30	7.3	12	23	>200	< 0.01	<0.1	< 2	<0.05	< 0.01
Drain B t1	< 0.005	< 0.005	< 0.005	1100	0.03	< 0.005	0.2	< 0.005	< 0.01	2600	< 0.01	48	17	560	15	>200	< 0.01	<0.1	6.1	<0.05	< 0.01
Drain B t2	< 0.005	< 0.005	< 0.005	1100	0.03	< 0.005	0.2	< 0.005	< 0.01	2600	< 0.01	49	17	560	15	>200	< 0.01	<0.1	6.2	<0.05	< 0.01
Drain B t3	< 0.005	< 0.005	< 0.005	1100	0.03	< 0.005	0.2	< 0.005	< 0.01	2700	< 0.01	49	17	560	15	>200	< 0.01	<0.1	7.3	<0.05	< 0.01
Drain B t4	< 0.005	< 0.005	< 0.005	1100	0.04	< 0.005	0.2	< 0.005	< 0.01	2600	< 0.01	49	17	550	15	>200	< 0.01	<0.1	< 2	<0.05	< 0.01
Drain B t5	< 0.005	< 0.005	< 0.005	1100	0.04	< 0.005	0.2	< 0.005	< 0.01	2600	< 0.01	49	18	560	15	>200	< 0.01	<0.1	5.4	<0.05	< 0.01
Pond midday	< 0.005	< 0.005	< 0.005	1000	0.02	< 0.005	0.3	< 0.005	< 0.01	6600	< 0.01	63	23	10	70	>200	< 0.01	<0.1	7	<0.05	< 0.01

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Table A. Com

Sample No.	Rb ug/L	Re ug/L	Sb ug/L	Se ug/L	SiO2 mg/L	Sm ug/L	SO4 mg/L	Sr ug/L	Tb ug/L	Th ug/L	Tl ug/L	Tm ug/L	U ug/L	V ug/L	W ug/L	Y ug/L	Yb ug/L	Zn ug/L
Channel t1	0.2	0.37	1.3	48	26	< 0.01	1200	2500	< 0.005	< 0.005	0.05	< 0.005	2.3	2.3	1.6	0.2	< 0.01	2
Channel t2	0.2	0.36	1.4	50	23	< 0.01	1000	2500	< 0.005	< 0.005	<0.05	< 0.005	1.6	2.5	1.8	0.2	< 0.01	1
Channel t3	0.2	0.37	1.3	50	22	< 0.01	960	2400	< 0.005	< 0.005	<0.05	< 0.005	1.8	2.1	1.7	0.2	< 0.01	1
Channel t4	0.2	0.36	1.2	43	22	< 0.01	940	2400	< 0.005	< 0.005	<0.05	< 0.005	3.2	1.8	1.9	0.2	< 0.01	2
Channel t5	0.2	0.36	1.2	43	21	< 0.01	900	2400	< 0.005	< 0.005	<0.05	< 0.005	2.8	1.8	1.7	0.2	< 0.01	1
Channel t6	0.2	0.36	1.1	42	21	< 0.01	880	2300	< 0.005	< 0.005	<0.05	< 0.005	2.6	1.8	1.7	0.2	< 0.01	1
Channel t7	0.2	0.36	1.2	48	21	< 0.01	870	2300	< 0.005	< 0.005	<0.05	< 0.005	2.4	2.1	1.7	0.2	< 0.01	1
Channel t8	0.2	0.38	1.2	47	21	< 0.01	880	2400	< 0.005	< 0.005	<0.05	< 0.005	1.6	2	1.9	0.2	< 0.01	1
Drain A t1	0.1	0.34	1	43	15	< 0.01	860	2400	< 0.005	< 0.005	<0.05	< 0.005	1.9	0.1	0.62	0.2	< 0.01	1
Drain A t2	0.09	0.36	1	44	14	< 0.01	850	2500	< 0.005	< 0.005	<0.05	< 0.005	1.9	0.52	0.6	0.2	< 0.01	1
Drain A t3	0.09	0.37	0.98	42	14	< 0.01	870	2500	< 0.005	< 0.005	<0.05	< 0.005	1.9	0.2	0.6	0.2	< 0.01	3
Drain A t4	0.09	0.35	0.98	41	14	< 0.01	840	2400	< 0.005	< 0.005	<0.05	< 0.005	1.8	0.58	0.54	0.2	< 0.01	2
Drain A t5	0.09	0.37	0.96	42	14	< 0.01	850	2500	< 0.005	< 0.005	<0.05	< 0.005	1.8	0.2	0.54	0.2	< 0.01	1
Drain B t1	0.3	0.3	1.2	37	27	< 0.01	710	2300	< 0.005	< 0.005	<0.05	< 0.005	8.9	0.2	0.5	0.2	< 0.01	2
Drain B t2	0.3	0.31	1.2	37	27	< 0.01	710	2200	< 0.005	< 0.005	<0.05	< 0.005	8.8	0.3	0.5	0.2	< 0.01	2
Drain B t3	0.3	0.29	1.2	37	27	< 0.01	710	2200	< 0.005	< 0.005	<0.05	< 0.005	8.8	0.4	0.5	0.2	< 0.01	2
Drain B t4	0.3	0.28	1.2	36	27	< 0.01	700	2200	< 0.005	< 0.005	<0.05	< 0.005	8.5	0.48	0.5	0.2	< 0.01	2
Drain B t5	0.3	0.29	1.1	36	27	< 0.01	710	2200	< 0.005	< 0.005	<0.05	< 0.005	9.1	0.55	0.5	0.2	< 0.01	2
Pond midday	1.4	0.83	2.3	83	26	< 0.01	1900	4400	< 0.005	< 0.005	<0.05	< 0.005	7.6	4	2	0.3	< 0.01	9

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