Appendix Table A-4, continued.

STORET M01W12 SITE LOCATION YELLOWSPRING
RIVER MILE 0.44 #37 UPST YELLOW SP'G WWTP

Date	Temp (C)	D.O (mg/l)	pH (fld) (SU)	Chlorine Tot. Res. (mg/l)	Flow (cfs)	CBOD5 (mg/l)	TOC (mg/l)	COD (mg/l)	Cl (mg/l)	Conductivity (umhos/cm)	CN (ug/l)
06/29/93	17.6	8.5	8.21			1.2	K 5.0	23	30	651	
07/13/93	18.0	9.6	8.08			K 1.0	K 5.0	11	29	622	
07/27/93	18.5	8.6	8.04			K 1.0	K 5.0	15	34	715	
08/10/93	16.0	9.7				K 1.0	K 5.0	K 10	37	704	
08/24/93	18.0	8.6				K 1.0	K 5.0	10	77	716	
09/07/93	16.1	9.2				K 1.0	K 5.0	16	37	706	
Average	17.36	9.03	8.110			1.03	K 5.00	14.1	40.6	685.6	
Maximum	18.5	9.7	8.21			1.2	K 5.0	23	77	716	
Minimum	16.0	8.5	8.04			K 1.0	K 5.0	K 10	29	622	

STORET M01W12 RM 0.44

Date	NO3-NO2-N (mg/l)	NO2-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	Oil & Grease (mg/l)	pH(lab) (SU)	Phenolics (mg/l)	P-T (mg/l)	Flt. Res. (mg/l)	TSS (mg/l)
06/29/93	6.60	0.09	0.05	0.40				0.16	412	23
07/13/93	5.14	0.02	K 0.05	0.30				0.06	438	14
07/27/93	4.40	K 0.02	K 0.05	0.20				K 0.05	432	6
08/10/93	3.80	K 0.02	K 0.05	0.50		8.29		K 0.05	538	K 5
08/24/93	4.24	K 0.02	K 0.05	K 0.20		8.15		0.28	466	K 5
09/07/93	3.75	K 0.02	K 0.05	K 0.20		8.20		0.07	442	6
Average	4.654	0.031	0.050	0.300		8.213		0.111	454.6	9.8
Maximum	6.60	0.09	0.05	0.50		8.29		0.28	538	23
Minimum	3.75	K 0.02	K 0.05	K 0.20		8.15		K 0.05	412	K 5

Appendix Table A-4, continued.

STORET M01W12 RM 0.44

Date	Fecal Coliform (#/100ml)	Fecal Strept. (#/100ml)	E.coli (#/100ml)	As-T (ug/l)	Cd-T (ug/l)	Ca-T (mg/l)	Cr-T (ug/l)	Cu-T (ug/l)	Fe-T (ug/l)	Pb-T (ug/l)	Mg-T (mg/l)	Mn-T (ug/l)	Hg-T (ug/l)	Ni-T (ug/l)	Se-T (ug/l)	Zn-T (ug/l)	Hardness (mg/l)
06/29/93	4050	11400	4100	K 2	K 0.2	80	K 30	K 10	1180	K 2	33	26		K 40	K 2	11	336
07/13/93	2600	2600	1400	K 2	K 0.2	85	K 30	K 10	462	K 2	35	21		K 40	K 2	11	356
07/27/93	320	510	190	3	K 0.2	82	K 30	K 10	174	K 2	39	K 10		K 40	K 2	K 10	365
08/10/93	14	510	40	K 2	K 0.2	75	K 30	K 10	145	K 2	39	13		K 40	K 2	K 10	348
08/24/93	100	920	140	K 2	K 0.2	89	K 30	K 10	133	K 2	39	K 10		K 40	2	K 10	383
09/07/93	10	600	20	2	K 0.2	87	K 30	K 10	225	K 2	39	12		K 40	K 2	K 10	378
Average	1182.3	2756.6	981.6	2.1	K 0.20	83.0	K 30.0	K 10.0	386.5	K 2.0	37.3	15.3		K 40.0	2.0	10.3	361.0
Maximum	4050	11400	4100	3	K 0.2	89	K 30	K 10	1180	K 2	39	26		K 40	2	11	383
Minimum	10	510	20	K 2	K 0.2	75	K 30	K 10	133	K 2	33	K 10		K 40	K 2	K 10	336

NOTE: K = less than
L = greater than

Appendix Table A-4, continued.

STORET M01S40 SITE LOCATION YELLOWSPRING
RIVER MILE 0.42 #38 YELLOW SP'G WWTP MIX

Date	Temp (C)	D.O (mg/l)	pH (fld) (SU)	Chlorine Tot. Res. (mg/l)	Flow (cfs)	CBOD5 (mg/l)	TOC (mg/l)	COD (mg/l)	Cl (mg/l)	Conductivity (umhos/cm)	CN (ug/l)
06/29/93	18.0	8.1	8.00			1.4	K 5.0	31	53	748	K 5
07/13/93	18.1	8.8	7.91	0.07			K 5.0	13			
07/27/93	19.5	8.2	8.12	0.08		K 1.0	K 5.0	K 10	95	936	K 5
08/10/93	18.5	9.5		0.07		K 1.0	K 5.0	10	70	844	K 5
08/24/93	19.5	6.8		0.38		2.0	K 5.0	71	43	1050	K 5
09/07/93	17.0	8.5		0.02		K 1.0	K 5.0	16	97	945	K 5
Average	18.43	8.31	8.010	0.124		1.28	K 5.00	25.1	71.6	904.6	K 5.0
Maximum	19.5	9.5	8.12	0.38		2.0	K 5.0	71	97	1050	K 5
Minimum	17.0	6.8	7.91	0.02		K 1.0	K 5.0	K 10	43	748	K 5

STORET M01S40 RM 0.42

Date	NO3-NO2-N (mg/l)	NO2-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	Oil & Grease (mg/l)	pH(lab) (SU)	Phenolics (mg/l)	P-T (mg/l)	Flt. Res. (mg/l)	TSS (mg/l)
06/29/93	7.03	0.09	0.06	0.60			K 10	0.64	488	21
07/13/93	4.41		0.33	0.60			K 10	0.15		
07/27/93	3.15	0.03	K 0.05	0.40			K 10	1.07	574	5
08/10/93	4.62	0.02	K 0.05	0.60		8.31	K 10	0.89	624	5
08/24/93	3.24	0.21	3.37	4.10		8.08	K 10	1.93	670	6
09/07/93	7.30	K 0.02	K 0.05	0.70		8.22	K 10	1.24	596	7
Average	4.958	0.074	0.651	1.166		8.203	K 10	0.986	590.4	8.8
Maximum	7.30	0.21	3.37	4.10		8.31	K 10	1.93	670	21
Minimum	3.15	K 0.02	K 0.05	0.40		8.08	K 10	0.15	488	5

Appendix Table A-4, continued.

STORET M01S40 RM 0.42

Date	Fecal Coliform (#/100ml)	Fecal Strept. (#/100ml)	E.coli (#/100ml)	As-T (ug/l)	Cd-T (ug/l)	Ca-T (mg/l)	Cr-T (ug/l)	Cu-T (ug/l)	Fe-T (ug/l)	Pb-T (ug/l)	Mg-T (mg/l)	Mn-T (ug/l)	Hg-T (ug/l)	Ni-T (ug/l)	Se-T (ug/l)	Zn-T (ug/l)	Hardness (mg/l)
06/29/93				K 2	K 0.2	82	K 30	K 10	1120	K 2	33	27		K 40	K 2	15	341
07/13/93	1200	620	800	K 2	K 0.2	94	K 30	K 10	388	K 2	36	39		K 40	K 2	51	383
07/27/93	170	610	420	4	K 0.2	85	K 30	K 10	141	K 2	39	K 10	K 0.20	K 40	K 2	K 10	373
08/10/93	28	640	40	K 2	K 0.2	82	K 30	K 10	139	K 2	39	10	0.22	K 40	K 2	15	365
08/24/93	170	740	130	K 4	K 0.2	97	K 30	K 10	165	K 2	39	35	K 0.20	K 40	K 2	K 10	403
09/07/93	60	780	50	K 2	K 0.2	93	K 30	K 10	183	K 2	40	13	K 0.20	K 40	K 2	34	397
Average	325.6	678.0	288.0	2.6	K 0.20	88.8	K 30.0	K 10.0	356.0	K 2.0	37.6	22.3	0.205	K 40.0	K 2.0	22.5	377.0
Maximum	1200	780	800	4	K 0.2	97	K 30	K 10	1120	K 2	40	39	0.22	K 40	K 2	51	403
Minimum	28	610	40	K 2	K 0.2	82	K 30	K 10	139	K 2	33	K 10	K 0.20	K 40	K 2	K 10	341

NOTE: K = less than
L = greater than

Appendix Table A-4, continued.

STORET M01P09 SITE LOCATION YELLOWSPRING
RIVER MILE 0.10 #39 GRINNELL RD

Date	Temp (C)	D.O (mg/l)	pH (fld) (SU)	Chlorine Tot. Res. (mg/l)	Flow (cfs)	CBOD5 (mg/l)	TOC (mg/l)	COD (mg/l)	Cl (mg/l)	Conductivity (umhos/cm)	CN (ug/l)
06/29/93	17.8	8.2	7.99			1.2	K 5.0	18	43	707	
07/13/93	18.2	9.1	7.90			K 1.0	K 5.0	10	42	697	
07/27/93	18.8	8.6	7.61			K 1.0	K 5.0	K 10	58	822	
08/10/93	16.7	9.3				K 1.0	K 5.0	12	67	841	
08/24/93	18.7	7.8				K 1.0	K 5.0	12	43	899	
09/07/93	17.0	9.1				K 1.0	K 5.0	11	77	870	
Average	17.86	8.68	7.833			1.03	K 5.00	12.1	55.0	806.0	
Maximum	18.8	9.3	7.99			1.2	K 5.0	18	77	899	
Minimum	16.7	7.8	7.61			K 1.0	K 5.0	K 10	42	697	

STORET M01P09 RM 0.10

Date	NO3-NO2-N (mg/l)	NO2-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	Oil & Grease (mg/l)	pH(lab) (SU)	Phenolics (mg/l)	P-T (mg/l)	Flt. Res. (mg/l)	TSS (mg/l)
06/29/93	6.56	0.09	0.05	0.50				0.31	462	27
07/13/93	4.63	0.12	0.08	0.40				0.12	466	13
07/27/93	3.78	K 0.02	K 0.05	0.20				0.31	494	K 5
08/10/93	4.07	0.02	K 0.05	0.50		8.31		0.74	634	K 5
08/24/93	3.60	0.15	1.42	1.70		8.13		0.90	580	K 5
09/07/93	4.79	K 0.02	K 0.05	0.30		8.30		0.52	560	K 5
Average	4.571	0.070	0.283	0.600		8.247		0.483	532.6	10.0
Maximum	6.56	0.15	1.42	1.70		8.31		0.90	634	27
Minimum	3.60	K 0.02	K 0.05	0.20		8.13		0.12	462	K 5

Appendix Table A-4, continued.

STORET M01P09 RM 0.10

Date	Fecal Coliform (#/100ml)	Fecal Strept. (#/100ml)	E.coli (#/100ml)	As-T (ug/l)	Cd-T (ug/l)	Ca-T (mg/l)	Cr-T (ug/l)	Cu-T (ug/l)	Fe-T (ug/l)	Pb-T (ug/l)	Mg-T (mg/l)	Mn-T (ug/l)	Hg-T (ug/l)	Ni-T (ug/l)	Se-T (ug/l)	Zn-T (ug/l)	Hardness (mg/l)
06/29/93	2200	8300	4400	K 2	K 0.2	83	K 30	K 10	1570	2	34	54		K 40	K 2	55	347
07/13/93	1240	790	580	K 2	K 0.2	90	K 30	K 10	403	K 2	36	24		K 40	K 2	20	373
07/27/93	210	410	100	3	K 0.2	86	K 30	K 10	116	K 2	39	K 10		K 40	K 2	44	375
08/10/93	14	630	10	K 2	K 0.4	82	K 30	K 10	76	K 2	40	K 10		K 40	K 2	19	369
08/24/93	80	1400	95	K 2	K 0.2	92	K 30	K 10	109	K 2	40	K 10		K 40	K 2	K 10	399
09/07/93	40	970	30	3	K 0.2	94	K 30	K 10	390	K 2	41	29		K 40	K 2	14	404
Average	630.6	2083.3	869.1	2.3	0.23	87.8	K 30.0	K 10.0	444.0	2.0	38.3	22.8		K 40.0	K 2.0	27.0	377.8
Maximum	2200	8300	4400	3	K 0.4	94	K 30	K 10	1570	2	41	54		K 40	K 2	55	404
Minimum	14	410	10	K 2	K 0.2	82	K 30	K 10	76	K 2	34	K 10		K 40	K 2	K 10	347

NOTE: K = less than
L = greater than

Appendix Table A-4, continued.

STORET M01S13 SITE LOCATION OLDTOWNCREEK
RIVER MILE 0.10 #41 NEAR MOUTH

Date	Temp (C)	D.O (mg/l)	pH (fld) (SU)	Chlorine Tot. Res. (mg/l)	Flow (cfs)	CBOD5 (mg/l)	TOC (mg/l)	COD (mg/l)	Cl (mg/l)	Conductivity (umhos/cm)	CN (ug/l)
07/13/93	22.0	10.7	8.17			K 1.0	K 5.0	11	37	621	
08/10/93	18.0	10.6				K 1.0	K 5.0	10	43	715	
08/24/93	23.5	9.0				K 1.0	K 5.0	14	42	709	
09/21/93	17.1	8.3				K 1.0	K 5.0	K 10	37	710	
Average	20.14	9.64	8.170			K 1.00	K 5.00	11.2	39.7	688.7	
Maximum	23.5	10.7	8.17			K 1.0	K 5.0	14	43	715	
Minimum	17.1	8.3	8.17			K 1.0	K 5.0	K 10	37	621	

STORET M01S13 RM 0.10

Date	NO3-NO2-N (mg/l)	NO2-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	Oil & Grease (mg/l)	pH(lab) (SU)	Phenolics (mg/l)	P-T (mg/l)	Flt. Res. (mg/l)	TSS (mg/l)
07/13/93	3.82	K 0.02	K 0.05	K 0.20				K 0.05	420	9
08/10/93	K 0.10	K 0.02				8.38		K 0.05	556	K 5
08/24/93		0.02	K 0.05	0.20		8.23		0.06	444	K 5
09/21/93	6.26	K 0.02	K 0.05	0.20		8.31		K 0.05	492	K 5
Average	3.393	0.020	K 0.05	0.200		8.307		0.052	478.0	6.0
Maximum	6.26	0.02	K 0.05	0.20		8.38		0.06	556	9
Minimum	3.82	K 0.02	K 0.05	K 0.20		8.23		K 0.05	420	K 5

Appendix Table A-4, continued.

STORET M01S13 RM 0.10

Date	Fecal Coliform (#/100ml)	Fecal Strept. (#/100ml)	E.coli (#/100ml)	As-T (ug/l)	Cd-T (ug/l)	Ca-T (mg/l)	Cr-T (ug/l)	Cu-T (ug/l)	Fe-T (ug/l)	Pb-T (ug/l)	Mg-T (mg/l)	Mn-T (ug/l)	Hg-T (ug/l)	Ni-T (ug/l)	Se-T (ug/l)	Zn-T (ug/l)	Hardness (mg/l)
07/13/93	370	830	460	K 2	K 0.2	82	K 30	K 10	339	K 2	31	11		K 40	K 2	K 10	332
08/10/93	23	1040	50	K 2	K 0.2	84	K 30	K 10	145	K 2	37	K 10		K 40	K 2	K 10	362
08/24/93	130	1000	170	K 2	K 0.2	81	45	K 10	61	K 2	36	K 10		K 40	K 2	K 10	351
09/21/93	180	480	140	K 2	K 0.2	87	K 30	K 10	K 50	K 2	37	K 10		K 40	K 2	40	370
Average	175.7	837.5	205.0	K 2.0	K 0.20	83.5	33.7	K 10.0	148.7	K 2.0	35.2	10.2		K 40.0	K 2.0	17.5	353.7
Maximum	370	1040	460	K 2	K 0.2	87	45	K 10	339	K 2	37	11		K 40	K 2	40	370
Minimum	23	480	50	K 2	K 0.2	81	K 30	K 10	K 50	K 2	31	K 10		K 40	K 2	K 10	332

NOTE: K = less than
L = greater than

Appendix Table A-4, continued.

STORET 600560 SITE LOCATION MASSIE CREEK
RIVER MILE 0.25 #42 U.S. 68

Date	Temp (C)	D.O (mg/l)	pH (fld) (SU)	Chlorine Tot. Res. (mg/l)	Flow (cfs)	CBOD5 (mg/l)	TOC (mg/l)	COD (mg/l)	Cl (mg/l)	Conductivity (umhos/cm)	CN (ug/l)
06/29/93	21.0	8.4	8.02			K 1.0	K 5.0	19	28	612	
07/13/93	22.5	10.0	8.20			K 1.0	K 5.0	12	22	594	
07/27/93	23.0	8.3	7.63			K 1.0	K 5.0	K 10	26	639	
08/10/93	19.0	11.5				K 1.0	K 5.0	13	30	690	
08/24/93	23.0	7.6				K 1.0	K 5.0	10	42	716	
09/07/93	19.5	9.0				K 1.0	K 5.0	12	35	705	
09/21/93	18.0	10.0				K 1.0	K 5.0	12	40	746	
Average	20.85	9.25	7.950			K 1.00	K 5.00	12.5	31.8	671.7	
Maximum	23.0	11.5	8.20			K 1.0	K 5.0	19	42	746	
Minimum	18.0	7.6	7.63			K 1.0	K 5.0	K 10	22	594	

STORET 600560 RM 0.25

Date	NO3-NO2-N (mg/l)	NO2-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	Oil & Grease (mg/l)	pH(lab) (SU)	Phenolics (mg/l)	P-T (mg/l)	Flt. Res. (mg/l)	TSS (mg/l)
06/29/93	3.48	0.03	K 0.05	0.30				0.13	418	18
07/13/93	7.89	0.02	K 0.05	0.20				0.08	408	49
07/27/93	2.87	K 0.02	K 0.05	K 0.20				K 0.05	408	5
08/10/93	2.33	0.02	K 0.05	0.50		8.43		K 0.05	552	K 5
08/24/93	3.37	0.02	K 0.05	K 0.20		8.31		0.06	474	K 5
09/07/93	3.00	K 0.02	K 0.05	0.20		8.36		0.08	446	K 5
09/21/93	3.28	K 0.02	K 0.05	0.30		8.38		0.07	464	K 5
Average	3.745	0.021	K 0.050	0.271		8.37		0.074	452.8	13.1
Maximum	7.89	0.03	K 0.05	0.50		8.43		0.13	552	49
Minimum	2.33	K 0.02	K 0.05	K 0.20		8.31		K 0.05	408	K 5

Appendix Table A-4, continued.

STORET 600560 RM 0.25

Date	Fecal Coliform (#/100ml)	Fecal Strept. (#/100ml)	E.coli (#/100ml)	As-T (ug/l)	Cd-T (ug/l)	Ca-T (mg/l)	Cr-T (ug/l)	Cu-T (ug/l)	Fe-T (ug/l)	Pb-T (ug/l)	Mg-T (mg/l)	Mn-T (ug/l)	Hg-T (ug/l)	Ni-T (ug/l)	Se-T (ug/l)	Zn-T (ug/l)	Hardness (mg/l)
06/29/93	1210	3700	1630	2	K 0.2	77	K 30	K 10	967	K 2	33	22		K 40	K 2	10	328
07/13/93	1620	550	910	K 2	K 0.2	84	K 30	K 10	1710	K 2	33	47		K 40	K 2	K 10	346
07/27/93	400	460	470	3	K 0.2	80	K 30	K 10	181	K 2	38	K 10		K 40	K 2	K 10	356
08/10/93	23	330	40	K 2	K 0.2	80	K 30	K 10	68	K 2	41	K 10		K 40	K 2	K 10	369
08/24/93	110	450	160	K 2	K 0.2	85	K 30	K 10	92	K 2	39	K 10		K 40	2	K 10	313
09/07/93	20	460	50	2	K 0.2	84	K 30	K 10	130	K 2	39	K 10		K 40	K 2	12	370
09/21/93	631	470	540	K 2	K 0.2	86	K 30	K 10	67	K 2	41	K 10		K 40	K 2	K 10	384
Average	573.4	917.1	542.8	2.1	K 0.20	82.2	K 30.0	K 10.0	459.2	K 2.0	37.7	17.0		K 40.0	2.0	10.2	352.2
Maximum	1620	3700	1630	3	K 0.2	86	K 30	K 10	1710	K 2	41	47		K 40	2	12	384
Minimum	20	330	40	K 2	K 0.2	77	K 30	K 10	67	K 2	33	K 10		K 40	K 2	K 10	313

NOTE: K = less than
L = greater than

Appendix Table A-4, continued.

STORET M01S37 SITE LOCATION BEAVER_CREEK
RIVER MILE 1.57 #43 DAYTON-XENIA RD

Date	Temp (C)	D.O (mg/l)	pH (fld) (SU)	Chlorine Tot. Res. (mg/l)	Flow (cfs)	CBOD5 (mg/l)	TOC (mg/l)	COD (mg/l)	Cl (mg/l)	Conductivity (umhos/cm)	CN (ug/l)
06/29/93	18.0	7.4	7.64			1.4	5.4	49	20	533	
07/13/93	20.0	7.8	7.50			1.1	K 5.0	14	29	632	
07/27/93	17.7	8.5	7.74			K 1.0	K 5.0	K 10	25	724	
08/10/93	16.4	8.1	7.87			K 1.0	K 5.0	K 10	25	711	
08/24/93	18.6	8.6	7.77			K 1.0	K 5.0	10	27	708	
09/07/93	17.1	8.9	7.82			K 1.0	K 5.0	K 10	29	706	
09/21/93	16.5	7.8	7.79			K 1.0	K 5.0	K 10	26	699	
Average	17.75	8.15	7.732			1.07	5.06	16.1	25.8	673.2	
Maximum	20.0	8.9	7.87			1.4	5.4	49	29	724	
Minimum	16.4	7.4	7.50			K 1.0	K 5.0	K 10	20	533	

STORET M01S37 RM 1.57

Date	NO3-NO2-N (mg/l)	NO2-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	Oil & Grease (mg/l)	pH(lab) (SU)	Phenolics (mg/l)	P-T (mg/l)	Flt. Res. (mg/l)	TSS (mg/l)
06/29/93	1.45	0.05	K 0.05	0.50				0.14	360	155
07/13/93	1.65	0.03	K 0.05	0.30				0.07	404	60
07/27/93	2.04	K 0.02	K 0.05	K 0.20				0.12	442	12
08/10/93	1.96	K 0.02	K 0.05	0.30				1.74	502	8
08/24/93	1.92	0.02	K 0.05	K 0.20				0.07	464	10
09/07/93	1.92	0.02	K 0.05	0.30				K 0.05	440	18
09/21/93	1.98	K 0.02	K 0.05	0.20				0.06	434	7
Average	1.845	0.025	K 0.050	0.285				0.321	435.1	38.5
Maximum	2.04	0.05	K 0.05	0.50				1.74	502	155
Minimum	1.45	K 0.02	K 0.05	K 0.20				K 0.05	360	7

Appendix Table A-4, continued.

STORET M01S37 RM 1.57

Date	Fecal Coliform (#/100ml)	Fecal Strept. (#/100ml)	E.coli (#/100ml)	As-T (ug/l)	Cd-T (ug/l)	Ca-T (mg/l)	Cr-T (ug/l)	Cu-T (ug/l)	Fe-T (ug/l)	Pb-T (ug/l)	Mg-T (mg/l)	Mn-T (ug/l)	Hg-T (ug/l)	Ni-T (ug/l)	Se-T (ug/l)	Zn-T (ug/l)	Hardness (mg/l)
06/29/93	6820	7100	2300	2	K 0.2	79	K 30	K 10	5290	2	27	201		K 40	K 2	22	308
07/13/93	1700	18500	2100	K 2	K 0.4	84	K 30	K 10	2360	K 2	32	139		K 40	K 2	12	342
07/27/93	847	2500	630	K 2	K 0.2	95	K 30	K 10	727	K 2	38	56		K 40	K 2	K 10	394
08/10/93	60	890	70	K 2	K 0.2	98	K 30	K 10	495	K 2	38	32		K 40	K 2	K 10	401
08/24/93	520	1800	530	K 4	K 0.2	99	K 30	K 10	507	K 2	37	37		K 40	K 2	K 10	400
09/07/93	40	1080	180	K 2	K 0.2	98	K 30	K 10	808	K 2	36	56		K 40	K 2	16	393
09/21/93	340	630	280	K 2	K 0.2	96	K 30	K 10	358	K 2	36	28		K 40	K 2	K 10	388
Average	1475.2	4642.8	870.0	2.2	0.22	92.7	K 30.0	K 10.0	1506.4	2.0	34.8	78.4		K 40.0	K 2.0	12.8	375.1
Maximum	6820	18500	2300	4	K 0.4	99	K 30	K 10	5290	2	38	201		K 40	K 2	22	401
Minimum	40	630	70	K 2	K 0.2	79	K 30	K 10	358	K 2	27	28		K 40	K 2	K 10	308

NOTE: K = less than
L = greater than

Appendix Table A-4, continued.

STORET M01W56 SITE LOCATION BEAVER CREEK
RIVER MILE 1.04 #44 U.S. 35

Date	Temp (C)	D.O (mg/l)	pH (fld) (SU)	Chlorine Tot. Res. (mg/l)	Flow (cfs)	CBOD5 (mg/l)	TOC (mg/l)	COD (mg/l)	Cl (mg/l)	Conductivity (umhos/cm)	CN (ug/l)
08/24/93	21.8	8.8	7.76			K 1.0	K 5.0	36	93	872	
06/29/93	18.0	7.9	7.64			1.3	K 5.0	36	41	648	
07/13/93	20.4	8.0	7.75			K 1.0	K 5.0	18	56	680	
07/27/93	22.6	9.5	7.86			K 1.0	K 5.0	17	77	839	
08/10/93	18.8	8.4	8.12			K 1.0	K 5.0	21	93	910	
09/07/93	19.5	9.4	8.01			1.0	K 5.0	19	95	870	
09/21/93	17.8	8.3	7.82			K 1.0	K 5.0	33	116		
Average	19.84	8.61	7.851			1.04	K 5.00	25.7	81.5	803.2	
Maximum	22.6	9.5	8.12			1.3	K 5.0	36	116	910	
Minimum	17.8	7.9	7.64			K 1.0	K 5.0	17	41	648	

STORET M01W56 RM 1.04

Date	NO3-NO2-N (mg/l)	NO2-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	Oil & Grease (mg/l)	pH(lab) (SU)	Phenolics (mg/l)	P-T (mg/l)	Flt. Res. (mg/l)	TSS (mg/l)
08/24/93	3.95	0.02	K 0.05	0.50				0.82	542	10
06/29/93	2.01	0.05	0.07	0.50				0.34	394	59
07/13/93	2.03	0.04	K 0.05	0.30				0.24	440	41
07/27/93	3.81	0.04	K 0.05	0.30				0.63	530	10
08/10/93	3.67	0.06	K 0.05	0.90				0.95	612	8
09/07/93	4.51	0.06	K 0.05	0.60				0.80	524	12
09/21/93	4.57	0.07	K 0.05	0.70				1.10		10
Average	3.507	0.048	0.052	0.542				0.697	507.0	21.4
Maximum	4.57	0.07	0.07	0.90				1.10	612	59
Minimum	2.01	0.02	K 0.05	0.30				0.24	394	8

Appendix Table A-4, continued.

STORET M01W56 RM 1.04

Date	Fecal Coliform (#/100ml)	Fecal Strept. (#/100ml)	E.coli (#/100ml)	As-T (ug/l)	Cd-T (ug/l)	Ca-T (mg/l)	Cr-T (ug/l)	Cu-T (ug/l)	Fe-T (ug/l)	Pb-T (ug/l)	Mg-T (mg/l)	Mn-T (ug/l)	Hg-T (ug/l)	Ni-T (ug/l)	Se-T (ug/l)	Zn-T (ug/l)	Hardness (mg/l)
08/24/93	280	920	290	K 4	K 0.2	72	K 30	K 10	415	K 2	30	26		K 40	K 2	20	303
06/29/93	2400	6400	1300	K 2	K 0.2	68	K 30	K 10	2380	3	23	91		K 40	K 2	24	265
07/13/93	2300		1010	K 2	K 0.2	77	K 30	K 10	1480	K 2	27	79		K 40	K 2	21	303
07/27/93	721	440	650	K 2	K 0.2	84	K 30	K 10	417	K 2	35	28		K 40	K 2	11	354
08/10/93	58	700	90	K 2	K 0.2	76	K 30	K 10	339	K 2	33	25		K 40	K 2	27	326
09/07/93	50	660	180	K 2	K 0.2	75	K 30	K 10	591	K 2	30	37		K 40	K 2	32	311
09/21/93	530	270	470	K 2	K 0.2	75	K 30	K 10	325	2	31	20		K 40	K 2	22	315
Average	905.5	1565.0	570.0	2.2	K 0.20	75.2	K 30.0	K 10.0	849.5	2.1	29.8	43.7		K 40.0	K 2.0	22.4	311.0
Maximum	2400	6400	1300	K 4	K 0.2	84	K 30	K 10	2380	3	35	91		K 40	K 2	32	354
Minimum	50	270	90	K 2	K 0.2	68	K 30	K 10	325	K 2	23	20		K 40	K 2	11	265

NOTE: K = less than
L = greater than

Appendix Table A-4, continued.

STORET M01S36 SITE LOCATION BEAVER CREEK
RIVER MILE 0.39 #45 BEAVER CREEK WWTP MIX

Date	Temp (C)	D.O (mg/l)	pH (fld) (SU)	Chlorine Tot. Res. (mg/l)	Flow (cfs)	CBOD5 (mg/l)	TOC (mg/l)	COD (mg/l)	Cl (mg/l)	Conductivity (umhos/cm)	CN (ug/l)
06/29/93	19.9	8.3	7.67	0.11		1.1	K 5.0	48	47	671	K 5
07/13/93	20.2	8.1	7.68	0.07		K 1.0	K 5.0	15	74	745	K 5
07/27/93	22.4	12.9	8.24	0.21		1.0	K 5.0	K 10	98	925	K 5
08/10/93	18.9	7.4	7.89	0.13		K 1.0	K 5.0	18	196	1300	K 5
08/24/93	21.5	10.0	7.63	0.19		K 1.0	K 5.0	12	168	1130	K 5
09/07/93	19.5	9.1	7.85	0.13		1.0	K 5.0	18	123	967	K 5
09/21/93	18.5	7.6	7.58	0.09		K 1.0	7.0	35	200	869	K 5
Average	20.12	9.05	7.791	0.132		1.01	5.28	22.2	129.4	943.8	K 5.0
Maximum	22.4	12.9	8.24	0.21		1.1	7.0	48	200	1300	K 5
Minimum	18.5	7.4	7.58	0.07		K 1.0	K 5.0	K 10	47	671	K 5

STORET M01S36 RM 0.39

Date	NO3-NO2-N (mg/l)	NO2-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	Oil & Grease (mg/l)	pH(lab) (SU)	Phenolics (mg/l)	P-T (mg/l)	Flt. Res. (mg/l)	TSS (mg/l)
06/29/93	2.17	0.04	K 0.05	0.50			K 10	0.34	410	46
07/13/93	2.60	0.03	K 0.05	0.20			K 10	0.36	468	30
07/27/93	3.82	0.03	K 0.05	0.20			K 10	3.09	566	10
08/10/93	7.16	0.04	K 0.05	0.70			K 10	1.22	814	6
08/24/93	6.53	0.02	K 0.05	0.70			K 10	1.27	708	K 5
09/07/93	5.67	0.06	K 0.05	0.80			K 10	1.07	580	8
09/21/93	8.97	0.03	K 0.05	1.20			K 10	1.89	850	8
Average	5.274	0.035	K 0.050	0.614			K 10	1.319	628.0	16.1
Maximum	8.97	0.06	K 0.05	1.20			K 10	3.09	850	46
Minimum	2.17	0.02	K 0.05	0.20			K 10	0.34	410	K 5

Appendix Table A-4, continued.

STORET M01S36 RM 0.39

Date	Fecal Coliform (#/100ml)	Fecal Strept. (#/100ml)	E.coli (#/100ml)	As-T (ug/l)	Cd-T (ug/l)	Ca-T (mg/l)	Cr-T (ug/l)	Cu-T (ug/l)	Fe-T (ug/l)	Pb-T (ug/l)	Mg-T (mg/l)	Mn-T (ug/l)	Hg-T (ug/l)	Ni-T (ug/l)	Se-T (ug/l)	Zn-T (ug/l)	Hardness (mg/l)
06/29/93	1600	3000	1400	K 2	K 0.2	68	K 30	K 10	1910	2	25	69		K 40	K 2	10	273
07/13/93	1220	24200	1080	K 2	K 0.2	75	K 30	K 10	1320	K 2	29	66		K 40	K 2	25	307
07/27/93	470	160	350	K 2	K 0.2	84	K 30	K 10	369	K 2	35	25	K 0.20	K 40	K 2	K 10	354
08/10/93	24	250	20	4	K 0.2	84	K 30	K 10	198	K 2	34	18	K 0.20	K 40	K 2	24	350
08/24/93	120	330	180	K 2	K 0.2	80	K 30	K 10	135	K 2	32	13	K 0.20	K 40	K 2	25	332
09/07/93	140	440	350	K 2	K 0.2	78	K 30	K 10	372	K 2	31	26	K 0.20	K 40	K 2	31	322
09/21/93	560	220	310	K 2	K 0.2	84	K 30	10	223	K 2	34	21	K 0.20	K 40	K 2	28	350
Average	590.5	4085.7	527.1	2.2	K 0.20	79.0	K 30.0	10.0	646.7	2.0	31.4	34.0	K 0.20	K 40.0	K 2.0	21.8	326.8
Maximum	1600	24200	1400	4	K 0.2	84	K 30	10	1910	2	35	69	K 0.2	K 40	K 2	31	354
Minimum	24	160	20	K 2	K 0.2	68	K 30	K 10	135	K 2	25	13	K 0.2	K 40	K 2	K 10	273

NOTE: K = less than
L = greater than

Appendix Table A-4, continued.

STORET M01S35 SITE LOCATION BEAVER CREEK
RIVER MILE 0.20 #46 DST BEAVER CREEK WWTP

Date	Temp (C)	D.O (mg/l)	pH (fld) (SU)	Chlorine Tot. Res. (mg/l)	Flow (cfs)	CBOD5 (mg/l)	TOC (mg/l)	COD (mg/l)	Cl (mg/l)	Conductivity (umhos/cm)	CN (ug/l)
06/29/93	19.4	8.4	7.72			1.2	K 5.0	26	69	745	
07/13/93	20.0	7.8	7.60			K 1.0	K 5.0	19	79	791	
07/27/93	21.7	11.4	8.13			1.0	K 5.0	K 10	124	1040	
08/10/93	19.0	7.4	7.89			K 1.0	K 5.0	19	154	1140	
08/24/93	21.9	9.1	7.72			K 1.0	K 5.0	15	176	1160	
09/07/93	19.1	8.5	7.80			K 1.0	K 5.0	11	176	1190	
09/21/93	18.1	7.2	7.55			K 1.0	6.0	14	200	1080	
Average	19.88	8.54	7.772			1.02	5.14	16.2	139.7	1020.8	
Maximum	21.9	11.4	8.13			1.2	6.0	26	200	1190	
Minimum	18.1	7.2	7.55			K 1.0	K 5.0	K 10	69	745	

STORET M01S35 RM 0.20

Date	NO3-NO2-N (mg/l)	NO2-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	Oil & Grease (mg/l)	pH(lab) (SU)	Phenolics (mg/l)	P-T (mg/l)	Flt. Res. (mg/l)	TSS (mg/l)
06/29/93	2.45	0.04	K 0.05	0.50				0.38	450	51
07/13/93	3.03	0.03	K 0.05	0.30				0.38	480	27
07/27/93	4.94	0.03	K 0.05	0.40				0.97	618	8
08/10/93	5.75	0.05	K 0.05	0.80				1.01	750	8
08/24/93	6.26	0.02	K 0.05	0.30				1.26	712	8
09/07/93	6.68	0.04	K 0.05	0.80				1.19	693	7
09/21/93	7.99	0.03	K 0.05	1.00				1.67	782	6
Average	5.299	0.034	K 0.050	0.585				0.980	640.7	16.4
Maximum	7.99	0.05	K 0.05	1.00				1.67	782	51
Minimum	2.45	0.02	K 0.05	0.30				0.38	450	6

Appendix Table A-4, continued.

STORET M01S35 RM 0.20

Date	Fecal Coliform (#/100ml)	Fecal Strept. (#/100ml)	E.coli (#/100ml)	As-T (ug/l)	Cd-T (ug/l)	Ca-T (mg/l)	Cr-T (ug/l)	Cu-T (ug/l)	Fe-T (ug/l)	Pb-T (ug/l)	Mg-T (mg/l)	Mn-T (ug/l)	Hg-T (ug/l)	Ni-T (ug/l)	Se-T (ug/l)	Zn-T (ug/l)	Hardness (mg/l)
06/29/93	2500	1050	1700	K 2	K 0.2	70	K 30	K 10	2070	3	25	68		K 40	K 2	16	278
07/13/93	1300	17000	1200	K 2	K 0.2	79	K 30	10	1060	K 2	27	57		K 40	K 2	20	308
07/27/93	370	160	200	3	K 0.2	85	K 30	K 10	267	K 2	35	22		K 40	K 2	14	356
08/10/93	3	30	K 10	18	K 0.2	80	K 30	K 10	266	K 2	33	21		K 40	K 2	30	336
08/24/93	90	60	20	K 2	K 0.2	80	K 30	K 10	299	K 2	31	21		K 40	K 2	28	357
09/07/93	55	240	260	2	K 0.2	81	K 30	K 10	330	K 2	32	24		K 40	K 2	35	334
09/21/93	170	120	110	K 2	K 0.2	81	K 30	K 10	282	K 2	33	19		K 40	K 2	27	338
Average	641.1	2665.7	500.0	4.4	K 0.20	79.4	K 30.0	10.0	653.4	2.1	30.8	33.1		K 40.0	K 2.0	24.2	329.5
Maximum	2500	17000	1700	18	K 0.2	85	K 30	10	2070	3	35	68		K 40	K 2	35	357
Minimum	3	30	K 10	K 2	K 0.2	70	K 30	K 10	266	K 2	25	19		K 40	K 2	14	278

NOTE: K = less than
L = greater than

Appendix Table A-4, continued.

STORET M01W01 SITE LOCATION LITTLEBEAVER
RIVER MILE 4.62 #47 UPST EASTERN REG WWTP

Date	Temp (C)	D.O (mg/l)	pH (fld) (SU)	Chlorine Tot. Res. (mg/l)	Flow (cfs)	CBOD5 (mg/l)	TOC (mg/l)	COD (mg/l)	Cl (mg/l)	Conductivity (umhos/cm)	CN (ug/l)
06/29/93	20.7	6.0	7.52			2.0	K 5.0	21	15	226	
07/13/93	28.8	10.6	7.99			1.5	K 5.0	16	22	307	
07/27/93	24.1	6.3	7.47			1.8	K 5.0	K 10	61	730	
08/10/93	23.2	10.8	8.20			2.5	K 5.0	20	56	660	
08/24/93	24.4	6.4	7.47			1.0	K 5.0	14	46	553	
09/07/93	25.3	12.0	8.13			2.0	K 5.0	22	32	390	
09/21/93	20.4	11.8	8.01			1.0	K 5.0	13	53	1110	
Average	23.84	9.12	7.827			1.68	K 5.00	16.5	40.7	568.0	
Maximum	28.8	12.0	8.20			2.5	K 5.0	22	61	1110	
Minimum	20.4	6.0	7.47			1.0	K 5.0	K 10	15	226	

STORET M01W01 RM 4.62

Date	NO3-NO2-N (mg/l)	NO2-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	Oil & Grease (mg/l)	pH(lab) (SU)	Phenolics (mg/l)	P-T (mg/l)	Flt. Res. (mg/l)	TSS (mg/l)
06/29/93	0.69	0.05	0.13	0.40				0.18	150	55
07/13/93	0.87	0.03	K 0.05	K 0.20				K 0.05	202	6
07/27/93	0.64	0.03	K 0.05	0.30				K 0.05	452	K 5
08/10/93	0.57	0.03	K 0.05	0.70				0.16	510	6
08/24/93	0.73	0.04	K 0.05	0.30				0.08	366	K 5
09/07/93	0.77	0.03	K 0.05	0.40				0.06	242	5
09/21/93	0.82	0.02	K 0.05	0.40				0.07	396	K 5
Average	0.727	0.032	0.061	0.385				0.092	331.1	12.4
Maximum	0.87	0.05	0.13	0.70				0.18	510	55
Minimum	0.57	0.02	K 0.05	K 0.20				K 0.05	150	K 5

Appendix Table A-4, continued.

STORET M01W01 RM 4.62

Date	Fecal Coliform (#/100ml)	Fecal Strept. (#/100ml)	E.coli (#/100ml)	As-T (ug/l)	Cd-T (ug/l)	Ca-T (mg/l)	Cr-T (ug/l)	Cu-T (ug/l)	Fe-T (ug/l)	Pb-T (ug/l)	Mg-T (mg/l)	Mn-T (ug/l)	Hg-T (ug/l)	Ni-T (ug/l)	Se-T (ug/l)	Zn-T (ug/l)	Hardness (mg/l)
06/29/93	7270	16000	5300	K 2	K 0.2	26	K 30	K 10	3090	5	7	76		K 40	K 2	16	94
07/13/93	360	16600	210	2	K 0.2	37	K 30	K 10	260	K 2	11	34		K 40	K 2	10	138
07/27/93	230	310	180	K 2	K 0.2	79	K 30	K 10	69	K 2	33	68		K 40	K 2	10	333
08/10/93	18	180	20	K 2	K 0.2	69	K 30	K 10	149	K 2	30	41		K 40	K 2	K 10	296
08/24/93	310	520	320	K 2	K 0.2	61	K 30	K 10	82	K 2	23	27		K 40	3	K 10	247
09/07/93	80	90	40	K 2	0.2	43	K 30	K 10	196	K 2	15	50		K 40	K 2	K 10	169
09/21/93	330	110	270	K 2	K 0.2	71	K 30	K 10	125	K 2	28	32		K 40	K 2	K 10	293
Average	1228.2	4830.0	905.7	2.0	0.20	55.1	K 30.0	K 10.0	567.2	2.4	21.0	46.8		K 40.0	2.1	10.8	224.2
Maximum	7270	16600	5300	2	0.2	79	K 30	K 10	3090	5	33	76		K 40	3	16	333
Minimum	18	90	20	K 2	K 0.2	26	K 30	K 10	69	K 2	7	27		K 40	K 2	K 10	94

NOTE: K = less than
L = greater than

Appendix Table A-4, continued.

STORET M01S38 SITE LOCATION LITTLEBEAVER
RIVER MILE 4.53 #49 DST EASTERN REG WWTP

Date	Temp (C)	D.O (mg/l)	pH (fld) (SU)	Chlorine Tot. Res. (mg/l)	Flow (cfs)	CBOD5 (mg/l)	TOC (mg/l)	COD (mg/l)	Cl (mg/l)	Conductivity (umhos/cm)	CN (ug/l)
06/29/93	20.1	7.6	7.41			2.0	5.2	33	69	811	
07/13/93	24.0	8.5	7.92			1.6	8.5	24	137	936	
07/27/93	22.1	7.3	7.47			1.6	5.0	13	106	882	
08/10/93	21.7	8.3	8.10			1.3	6.3	19	146	1160	
08/24/93	23.4	7.4	7.04			1.0	6.0	23	112	885	
09/07/93	22.6	9.0	7.95			2.0	6.0	19	143	990	
09/21/93	20.5	8.7	7.77			2.0	9.0	25	131	1410	
Average	22.05	8.11	7.665			1.64	6.59	22.2	120.5	1010.5	
Maximum	24.0	9.0	8.10			2.0	9.0	33	146	1410	
Minimum	20.1	7.3	7.04			1.0	5.0	13	69	811	

STORET M01S38 RM 4.53

Date	NO3-NO2-N (mg/l)	NO2-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	Oil & Grease (mg/l)	pH(lab) (SU)	Phenolics (mg/l)	P-T (mg/l)	Flt. Res. (mg/l)	TSS (mg/l)
06/29/93	3.96	0.07	0.12	0.80				0.99	504	23
07/13/93	4.94	0.17	0.28	1.30				1.23	580	K 5
07/27/93	6.02	0.06	0.14	1.10				1.35	552	K 5
08/10/93	3.79	0.02	K 0.05	1.10				1.62	780	K 5
08/24/93	4.98	0.02	K 0.05	0.70				2.04	544	K 5
09/07/93	6.27	0.02	K 0.05	1.00				1.68	580	K 5
09/21/93	5.71	0.02	0.05	1.30				1.82	680	K 5
Average	5.095	0.054	0.105	1.042				1.532	602.8	7.5
Maximum	6.27	0.17	0.28	1.30				2.04	780	23
Minimum	3.79	0.02	K 0.05	0.70				0.99	504	K 5

Appendix Table A-4, continued.

STORET M01S38 RM 4.53

Date	Fecal Coliform (#/100ml)	Fecal Strept. (#/100ml)	E.coli (#/100ml)	As-T (ug/l)	Cd-T (ug/l)	Ca-T (mg/l)	Cr-T (ug/l)	Cu-T (ug/l)	Fe-T (ug/l)	Pb-T (ug/l)	Mg-T (mg/l)	Mn-T (ug/l)	Hg-T (ug/l)	Ni-T (ug/l)	Se-T (ug/l)	Zn-T (ug/l)	Hardness (mg/l)
06/29/93	1700	7400	1600	K 2	K 0.2	46	K 30	K 10	963	4	20	40		K 40	K 2	32	197
07/13/93	250	1430	230	K 2	K 0.2	52	K 30	K 10	79	K 2	25	24		K 40	K 2	39	233
07/27/93	190	280	160	K 2	K 0.2	61	K 30	K 10	82	4	30	36		K 40	K 2	52	276
08/10/93	33	170	30	K 2	K 0.2	52	K 30	K 10	94	K 2	28	14		K 40	K 2	66	245
08/24/93	K 10	290	150	K 4	K 0.2	52	K 30	K 10	93	2	24	13		K 40	K 2	90	229
09/07/93	30	120	150	K 2	K 0.2	51	K 30	K 10	154	3	23	34		K 40	K 2	27	222
09/21/93	190	90	15	K 2	K 0.2	58	K 30	K 10	134	3	25	32		K 40	K 2	41	248
Average	343.2	1397.1	333.5	2.2	K 0.20	53.1	K 30.0	K 10.0	228.4	2.8	25.0	27.5		K 40.0	K 2.0	49.5	235.7
Maximum	1700	7400	1600	K 4	K 0.2	61	K 30	K 10	963	4	30	40		K 40	K 2	90	276
Minimum	K 10	90	15	K 2	K 0.2	46	K 30	K 10	79	K 2	20	13		K 40	K 2	27	197

NOTE: K = less than
L = greater than

Appendix Table A-4, continued.

STORET M01S03 SITE LOCATION LITTLEBEAVER
RIVER MILE 1.95 #50 NORTH FAIRFIELD RD

Date	Temp (C)	D.O (mg/l)	pH (fld) (SU)	Chlorine Tot. Res. (mg/l)	Flow (cfs)	CBOD5 (mg/l)	TOC (mg/l)	COD (mg/l)	Cl (mg/l)	Conductivity (umhos/cm)	CN (ug/l)
06/29/93	19.5	6.6	7.44			1.7	K 5.0	32	56	708	
07/13/93	23.1	7.0	7.83			1.0	6.1	17	85	775	
07/27/93	21.1	6.5	7.81			1.0	K 5.0	16	112	949	
08/10/93	20.3	7.8	8.60			1.1	K 5.0	22	119	996	
08/24/93	22.5	6.4	7.40			K 1.0	K 5.0	14	111	949	
09/07/93	20.5	8.0	8.04			1.0	K 5.0	22	108	844	
09/21/93	19.0	6.7	7.65			K 1.0	6.0	14	126	1030	
Average	20.85	7.00	7.824			1.11	5.30	19.5	102.4	893.0	
Maximum	23.1	8.0	8.60			1.7	6.1	32	126	1030	
Minimum	19.0	6.4	7.40			K 1.0	K 5.0	14	56	708	

STORET M01S03 RM 1.95

Date	NO3-NO2-N (mg/l)	NO2-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	Oil & Grease (mg/l)	pH(lab) (SU)	Phenolics (mg/l)	P-T (mg/l)	Flt. Res. (mg/l)	TSS (mg/l)
06/29/93	2.75	0.07	0.12	0.60				0.59	434	14
07/13/93	2.50	0.04	K 0.05	0.40				0.72	462	K 5
07/27/93	5.40	0.07	K 0.05	0.50				3.77	570	K 5
08/10/93	3.16	0.04	K 0.05	0.70				1.15	636	K 5
08/24/93	4.64	0.02	K 0.05	0.50				1.20	554	K 5
09/07/93	4.93	0.03	K 0.05	0.60				1.12	500	K 5
09/21/93	5.07	0.08	K 0.05	0.80				1.45	622	K 5
Average	4.064	0.050	0.060	0.585				1.428	539.7	6.2
Maximum	5.40	0.08	0.12	0.80				3.77	636	14
Minimum	2.50	0.02	K 0.05	0.40				0.59	434	K 5

Appendix Table A-4, continued.

STORET M01S03 RM 1.95

Date	Fecal Coliform (#/100ml)	Fecal Strept. (#/100ml)	E.coli (#/100ml)	As-T (ug/l)	Cd-T (ug/l)	Ca-T (mg/l)	Cr-T (ug/l)	Cu-T (ug/l)	Fe-T (ug/l)	Pb-T (ug/l)	Mg-T (mg/l)	Mn-T (ug/l)	Hg-T (ug/l)	Ni-T (ug/l)	Se-T (ug/l)	Zn-T (ug/l)	Hardness (mg/l)
06/29/93				K 2	K 0.2	55	K 30	K 10	678	3	21	41		K 40	K 2	19	224
07/13/93				K 2	K 0.2	56	K 30	K 10	203	K 2	24	36		K 40	K 2	24	239
07/27/93				K 2	K 0.2	70	K 30	K 10	136	3	33	29		K 40	K 2	25	311
08/10/93				K 2	K 0.2	65	K 30	K 10	114	K 2	30	23		K 40	K 2	38	286
08/24/93				K 2	K 0.2	60	K 30	K 10	85	K 2	26	17		K 40	K 2	29	257
09/07/93				K 2	K 0.2	57	K 30	K 10	135	K 2	24	24		K 40	K 2	17	241
09/21/93				K 2	K 0.2	67	K 30	K 10	115	2	28	23		K 40	K 2	22	283
Average				K 2.0	K 0.20	61.4	K 30.0	K 10.0	209.4	2.2	26.5	27.5		K 40.0	K 2.0	24.8	263.0
Maximum				K 2	K 0.2	70	K 30	K 10	678	3	33	41		K 40	K 2	38	311
Minimum				K 2	K 0.2	55	K 30	K 10	85	K 2	21	17		K 40	K 2	17	224

NOTE: K = less than
L = greater than

Appendix Table A-4, continued.

STORET 600630 SITE LOCATION LITTLEBEAVER
RIVER MILE 0.05 #51 FACTORY RD

Date	Temp (C)	D.O (mg/l)	pH (fld) (SU)	Chlorine Tot. Res. (mg/l)	Flow (cfs)	CBOD5 (mg/l)	TOC (mg/l)	COD (mg/l)	Cl (mg/l)	Conductivity (umhos/cm)	CN (ug/l)
06/29/93	19.1	7.9	7.57			1.2	K 5.0	43	50	695	
07/13/93	21.1	7.8	8.20			K 1.0	K 5.0	13	81	759	
07/27/93	21.6	10.1	7.99			1.0	K 5.0	K 10	110	910	
08/10/93	19.5	8.4	8.16			1.0	K 5.0	16	119	992	
08/24/93	22.5	9.2	7.85			K 1.0	K 5.0	12	116	919	
09/07/93	19.9	10.2	8.13			2.0	K 5.0	13	121	938	
09/21/93	18.3	8.5	7.93			K 1.0	6.0	26	134	1200	
Average	20.28	8.87	7.975			1.17	5.14	19.0	104.4	916.1	
Maximum	22.5	10.2	8.20			2.0	6.0	43	134	1200	
Minimum	18.3	7.8	7.57			K 1.0	K 5.0	K 10	50	695	

STORET 600630 RM 0.05

Date	NO3-NO2-N (mg/l)	NO2-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	Oil & Grease (mg/l)	pH(lab) (SU)	Phenolics (mg/l)	P-T (mg/l)	Flt. Res. (mg/l)	TSS (mg/l)
06/29/93	2.35	0.05	0.09	0.60				0.44	420	11
07/13/93	2.40	0.04	K 0.05	0.30				1.68	474	K 5
07/27/93	4.87	0.06	K 0.05	0.50				1.00	574	5
08/10/93	4.36	0.08	K 0.05	1.00				1.56	642	6
08/24/93	4.68	0.02	K 0.05	0.70				1.15	574	K 5
09/07/93	5.67	0.08	K 0.05	0.70				1.07	560	K 5
09/21/93	5.22	0.08	K 0.05	0.80				1.44	658	K 5
Average	4.221	0.058	0.055	0.657				1.191	557.4	6.0
Maximum	5.67	0.08	0.09	1.00				1.68	658	11
Minimum	2.35	0.02	K 0.05	0.30				0.44	420	K 5

Appendix Table A-4, continued.

STORET 600630 RM 0.05

Date	Fecal Coliform (#/100ml)	Fecal Strept. (#/100ml)	E.coli (#/100ml)	As-T (ug/l)	Cd-T (ug/l)	Ca-T (mg/l)	Cr-T (ug/l)	Cu-T (ug/l)	Fe-T (ug/l)	Pb-T (ug/l)	Mg-T (mg/l)	Mn-T (ug/l)	Hg-T (ug/l)	Ni-T (ug/l)	Se-T (ug/l)	Zn-T (ug/l)	Hardness (mg/l)
06/29/93	3500	6300	2000	K 2	K 0.2	60	K 30	K 10	610	2	22	34		K 40	K 2	21	240
07/13/93	901	13000	470	K 2	K 0.2	68	K 30	K 10	140	K 2	25	23		K 40	K 2	23	273
07/27/93	883	970	610	K 2	K 0.2	75	K 30	K 10	182	K 2	34	17		K 40	K 2	11	327
08/10/93	44	440	30	K 2	K 0.2	68	K 30	K 10	142	K 2	31	12		K 40	K 2	34	297
08/24/93	370	490	300	K 2	K 0.2	65	K 30	K 10	91	K 2	28	K 10		K 40	K 2	24	278
09/07/93	60	360	30	K 2	K 0.2	66	K 30	K 10	134	K 2	28	13		K 40	K 2	20	280
09/21/93	540	410	390	K 2	K 0.2	70	K 30	K 10	126	2	29	10		K 40	K 2	84	294
Average	899.7	3138.5	547.1	K 2.0	K 0.20	67.4	K 30.0	K 10.0	203.5	2.0	28.1	17.0		K 40.0	K 2.0	31.0	284.1
Maximum	3500	13000	2000	K 2	K 0.2	75	K 30	K 10	610	2	34	34		K 40	K 2	84	327
Minimum	44	360	30	K 2	K 0.2	60	K 30	K 10	91	K 2	22	K 10		K 40	K 2	11	240

NOTE: K = less than
L = greater than

Appendix Table A-4, continued.

STORET M01S34 SITE LOCATION GLADY_RUN
RIVER MILE 4.82 #52 UPST GLADY WWTP SWALE

Date	Temp (C)	D.O (mg/l)	pH (fld) (SU)	Chlorine Tot. Res. (mg/l)	Flow (cfs)	CBOD5 (mg/l)	TOC (mg/l)	COD (mg/l)	Cl (mg/l)	Conductivity (umhos/cm)	CN (ug/l)
07/01/93		8.0	7.60			K 1.0	K 5.0	12	47	724	
07/13/93	12.7	8.7	7.43			K 1.0	K 5.0	K 10	60	751	
07/27/93	14.2	8.4	7.79			K 1.0	K 5.0	K 10	57	839	
08/10/93	12.5	8.6	7.58			K 1.0	K 5.0	13	56	777	
08/24/93	15.1	9.0	7.59			K 1.0	K 5.0	K 10	59	774	
09/07/93	13.1	8.6	7.47			K 1.0	K 5.0	12	61	792	
09/21/93	13.0	8.0	7.44			K 1.0	K 5.0	K 10	60	810	
Average	13.43	8.47	7.557			K 1.00	K 5.00	11.0	57.1	781.0	
Maximum	15.1	9.0	7.79			K 1.0	K 5.0	13	61	839	
Minimum	12.7	8.0	7.43			K 1.0	K 5.0	K 10	47	724	

STORET M01S34 RM 4.82

Date	NO3-NO2-N (mg/l)	NO2-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	Oil & Grease (mg/l)	pH(lab) (SU)	Phenolics (mg/l)	P-T (mg/l)	Flt. Res. (mg/l)	TSS (mg/l)
07/01/93	4.33	0.02	K 0.05	K 0.20				K 0.05	462	7
07/13/93	4.61	K 0.02	K 0.05	K 0.20				K 0.05	472	11
07/27/93	4.55	K 0.02	K 0.05	K 0.20				0.08	468	K 5
08/10/93	4.57	0.02	K 0.05	0.30				K 0.05	534	10
08/24/93	4.32	0.02	K 0.05	0.30				0.05	478	6
09/07/93	4.64	K 0.02	K 0.05	0.20				K 0.05	474	17
09/21/93	4.67	K 0.02	K 0.05	0.20				0.06	466	9
Average	4.527	0.020	K 0.050	0.228				0.055	479.1	9.2
Maximum	4.67	0.02	K 0.05	0.30				0.08	534	17
Minimum	4.32	K 0.02	K 0.05	K 0.20				K 0.05	462	K 5

Appendix Table A-4, continued.

STORET M01S34 RM 4.82

Date	Fecal Coliform (#/100ml)	Fecal Strept. (#/100ml)	E.coli (#/100ml)	As-T (ug/l)	Cd-T (ug/l)	Ca-T (mg/l)	Cr-T (ug/l)	Cu-T (ug/l)	Fe-T (ug/l)	Pb-T (ug/l)	Mg-T (mg/l)	Mn-T (ug/l)	Hg-T (ug/l)	Ni-T (ug/l)	Se-T (ug/l)	Zn-T (ug/l)	Hardness (mg/l)
07/01/93				K 2	K 0.2	91	K 30	K 10	460	K 2	29	51		K 40	K 2	K 10	347
07/13/93	811	20200	660	K 2	K 0.2	102	48	K 10	1080	K 2	35	72		K 40	K 2	103	399
07/27/93	410	1270	250	K 2	K 0.2	96	K 30	K 10	229	K 2	35	37		K 40	K 2	K 10	384
08/10/93	60	1900	120	K 2	K 0.2	94	K 30	K 10	259	2	34	38		K 40	K 2	50	375
08/24/93	420	890	320	K 2	K 0.2	95	K 30	K 10	174	K 2	33	33		K 40	K 2	K 10	373
09/07/93	30	840	220	2	K 0.2	99	K 30	K 10	344	K 2	36	53		K 40	K 2	45	395
09/21/93	470	780	400	K 2	K 0.2	95	K 30	K 10	290	K 2	35	52		K 40	K 2	27	381
Average	366.8	4313.3	328.3	2.0	K 0.20	96.0	32.5	K 10.0	405.1	2.0	33.8	48.0		K 40.0	K 2.0	36.4	379.1
Maximum	811	20200	660	2	K 0.2	102	48	K 10	1080	2	36	72		K 40	K 2	103	399
Minimum	30	780	120	K 2	K 0.2	91	K 30	K 10	174	K 2	29	33		K 40	K 2	K 10	347

NOTE: K = less than
L = greater than

Appendix Table A-4, continued.

STORET M01S33 SITE LOCATION GLADY RUN
RIVER MILE 4.75 #53 DST GLADY WWTP SWALE

Date	Temp (C)	D.O (mg/l)	pH (fld) (SU)	Chlorine Tot. Res. (mg/l)	Flow (cfs)	CBOD5 (mg/l)	TOC (mg/l)	COD (mg/l)	Cl (mg/l)	Conductivity (umhos/cm)	CN (ug/l)
07/01/93	18.0	7.4	7.55			1.6	K 5.0	25	78	812	6
07/13/93	17.3	7.3	7.24	0.16		1.1	K 5.0	25	99	918	K 5
07/27/93	18.8	8.9	7.84	0.15		1.0	K 5.0	11	104	1010	K 5
08/10/93	17.5	6.1	7.85	0.10		K 1.0	K 5.0	18	103	1030	K 5
08/24/93	20.4	7.5	7.55	0.24		2.0	K 5.0	18	131	1100	K 5
09/07/93	18.4	7.1	7.53	0.14		1.0	K 5.0	19	116	1040	5
09/21/93	17.8	7.0	7.45	0.10		K 1.0	K 5.0	18	111	1050	K 5
Average	18.31	7.32	7.572	0.148		1.24	K 5.00	19.1	106.0	994.2	5.1
Maximum	20.4	8.9	7.85	0.24		2.0	K 5.0	25	131	1100	6
Minimum	17.3	6.1	7.24	0.10		K 1.0	K 5.0	11	78	812	K 5

STORET M01S33 RM 4.75

Date	NO3-NO2-N (mg/l)	NO2-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	Oil & Grease (mg/l)	pH(lab) (SU)	Phenolics (mg/l)	P-T (mg/l)	Flt. Res. (mg/l)	TSS (mg/l)
07/01/93	7.12	0.27	0.10	0.60				0.83	550	12
07/13/93	8.66	0.05	K 0.05	0.80			K 10	1.00	612	9
07/27/93	8.31	0.05	K 0.05	0.70			K 10	0.98	638	5
08/10/93	8.85	0.08	0.06	1.00			K 10	1.05	697	8
08/24/93	9.80	0.07	0.07	1.10			K 10	1.38	676	7
09/07/93	10.20	0.06	0.05	1.00			K 10	1.33	646	6
09/21/93	10.70	0.08	0.07	1.10			K 10	1.46	662	9
Average	9.091	0.094	0.064	0.900			K 10	1.147	640.1	8.0
Maximum	10.70	0.27	0.10	1.10			K 10	1.46	697	12
Minimum	7.12	0.05	K 0.05	0.60			K 10	0.83	550	5

Appendix Table A-4, continued.

STORET M01S33 RM 4.75

Date	Fecal Coliform (#/100ml)	Fecal Strept. (#/100ml)	E.coli (#/100ml)	As-T (ug/l)	Cd-T (ug/l)	Ca-T (mg/l)	Cr-T (ug/l)	Cu-T (ug/l)	Fe-T (ug/l)	Pb-T (ug/l)	Mg-T (mg/l)	Mn-T (ug/l)	Hg-T (ug/l)	Ni-T (ug/l)	Se-T (ug/l)	Zn-T (ug/l)	Hardness (mg/l)
07/01/93				K 2	K 0.4	84	K 30	K 10	818	3	28	53	K 0.20	K 40	K 2	25	325
07/13/93	946	26700	640	K 2	K 0.2	100	K 30	K 10	244	K 2	34	36		K 40	K 2	44	390
07/27/93	30	30	K 10	K 2	K 0.2	101	K 30	K 10	204	K 2	36	22	K 0.20	K 40	K 2	26	400
08/10/93	86	560	240	K 2	K 0.2	99	K 30	K 10	186	K 2	36	25	K 0.20	K 40	K 2	21	395
08/24/93	420	470	420	K 2	K 0.2	101	K 30	K 10	123	K 2	35	15	K 0.20	K 40	K 2	18	396
09/07/93	30	650	30	K 2	K 0.2	102	K 30	K 10	220	K 2	37	27	K 0.20	K 40	K 2	37	407
09/21/93	370	540	300	K 2	K 0.2	98	K 30	K 10	290	K 2	34	30	K 0.20	K 40	K 2	75	385
Average	313.7	4825.0	273.3	K 2.0	0.22	97.8	K 30.0	K 10.0	297.8	2.1	34.2	29.7	K 0.20	K 40.0	K 2.0	35.1	385.4
Maximum	946	26700	640	K 2	K 0.4	102	K 30	K 10	818	3	37	53	K 0.2	K 40	K 2	75	407
Minimum	30	30	K 10	K 2	K 0.2	84	K 30	K 10	123	K 2	28	15	K 0.2	K 40	K 2	18	325

NOTE: K = less than
L = greater than

Appendix Table A-4, continued.

STORET M01P15 SITE LOCATION GLADY_RUN
RIVER MILE 0.60 #54 S.R. 725

Date	Temp (C)	D.O (mg/l)	pH (fld) (SU)	Chlorine Tot. Res. (mg/l)	Flow (cfs)	CBOD5 (mg/l)	TOC (mg/l)	COD (mg/l)	Cl (mg/l)	Conductivity (umhos/cm)	CN (ug/l)
07/01/93	18.3	8.6				K 1.0	K 5.0	12	39	662	
07/13/93	15.5	9.7				K 1.0	K 5.0	K 10	70	822	
07/27/93	16.0	10.8				K 1.0	K 5.0	K 10	81	904	
08/10/93	13.5	10.5				K 1.0	K 5.0	13	88	940	
08/24/93	15.0	9.7				K 1.0	K 5.0	K 10	85	912	
09/07/93	13.0	10.8				K 1.0	K 5.0	11	84	890	
09/21/93	11.5	10.6				K 1.0	K 5.0	21	77	860	
Average	14.68	10.09				K 1.00	K 5.00	12.4	74.8	855.7	
Maximum	18.3	10.8				K 1.0	K 5.0	21	88	940	
Minimum	11.5	8.6				K 1.0	K 5.0	K 10	39	662	

STORET M01P15 RM 0.60

Date	NO3-NO2-N (mg/l)	NO2-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	Oil & Grease (mg/l)	pH(lab) (SU)	Phenolics (mg/l)	P-T (mg/l)	Flt. Res. (mg/l)	TSS (mg/l)
07/01/93	4.92	0.05	0.07	0.20				0.30	448	17
07/13/93	6.04	0.14	K 0.05	0.20		8.33		0.41	548	10
07/27/93	6.24	0.03	K 0.05	0.40		8.40		0.58	560	K 5
08/10/93	7.92	0.02	K 0.05	0.50		8.35		0.56	710	K 5
08/24/93	7.09	0.03	K 0.05	0.30		8.18		0.67	572	8
09/07/93	6.79	0.02	K 0.05	0.40		8.40		0.61	564	K 5
09/21/93	6.98	K 0.02	K 0.05	0.40		8.31		0.55	536	8
Average	6.568	0.044	0.052	0.342		8.34		0.525	562.5	8.2
Maximum	7.92	0.14	0.07	0.50		8.40		0.67	710	17
Minimum	4.92	K 0.02	K 0.05	0.20		8.18		0.30	448	K 5

Appendix Table A-4, continued.

STORET M01P15 RM 0.60

Date	Fecal Coliform (#/100ml)	Fecal Strept. (#/100ml)	E.coli (#/100ml)	As-T (ug/l)	Cd-T (ug/l)	Ca-T (mg/l)	Cr-T (ug/l)	Cu-T (ug/l)	Fe-T (ug/l)	Pb-T (ug/l)	Mg-T (mg/l)	Mn-T (ug/l)	Hg-T (ug/l)	Ni-T (ug/l)	Se-T (ug/l)	Zn-T (ug/l)	Hardness (mg/l)
07/01/93				2	K 0.2	73	K 30	K 10	1730	K 2	25	56		K 40	K 2	13	285
07/13/93				K 2	K 0.2	95	K 30	K 10	329	K 2	34	18		K 40	K 2	K 10	377
07/27/93				2	K 0.2	99	K 30	K 10	51	K 2	36	K 10		K 40	K 2	19	395
08/10/93				K 2	K 0.2	98	K 30	K 10	95	K 2	34			K 40	K 2	K. 10	385
08/24/93				K 2	K 0.2	97	K 30	K 10	394	K 2	35	16		K 40	K 2	K 10	386
09/07/93				K 2	K 0.2	98	K 30	K 10	227	K 2	35	17		K 40	5	K 10	389
09/21/93	540	810	490	K 2	K 0.2	94	K 30	K 10	207	K 2	35	15		K 40	K 2	K 10	379
Average	540.0	810.0	490.0	2.0	K 0.20	93.4	K 30.0	K 10.0	433.2	K 2.0	33.4	22.0		K 40.0	2.4	11.7	370.8
Maximum	540	810	490	2	K 0.2	99	K 30	K 10	1730	K 2	36	56		K 40	5	19	395
Minimum	540	810	490	K 2	K 0.2	73	K 30	K 10	51	K 2	25			K 40	K 2	K 10	285

NOTE: K = less than
L = greater than

Appendix Table A-4, continued.

STORET M01P31 SITE LOCATION NEWMAN_RUN
RIVER MILE 0.27 #55 PEKIN-WAYNESVILLE RD

Date	Temp (C)	D.O (mg/l)	pH (fld) (SU)	Chlorine Tot. Res. (mg/l)	Flow (cfs)	CBOD5 (mg/l)	TOC (mg/l)	COD (mg/l)	Cl (mg/l)	Conductivity (umhos/cm)	CN (ug/l)
07/15/93	14.7	8.3				K 1.0	K 5.0	19	16	549	
Average	14.7	8.3				K 1.00	K 5.00	19.0	16.0	549.0	
Maximum	14.7	8.3				K 1.0	K 5.0	19	16	549	
Minimum	14.7	8.3				K 1.0	K 5.0	19	16	549	

STORET M01P31 RM 0.27

Date	NO3-NO2-N (mg/l)	NO2-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	Oil & Grease (mg/l)	pH(lab) (SU)	Phenolics (mg/l)	P-T (mg/l)	Flt. Res. (mg/l)	TSS (mg/l)
07/15/93	1.91	K 0.02	K 0.05	0.30				0.10	374	7
Average	1.91	K 0.020	K 0.050	0.300				0.100	374.0	7.0
Maximum	1.91	K 0.02	K 0.05	0.30				0.10	374	7
Minimum	1.91	K 0.02	K 0.05	0.30				0.10	374	7

Appendix Table A-4, continued.

STORET M01P31 RM 0.27

Date	Fecal Coliform (#/100ml)	Fecal Strept. (#/100ml)	E.coli (#/100ml)	As-T (ug/l)	Cd-T (ug/l)	Ca-T (mg/l)	Cr-T (ug/l)	Cu-T (ug/l)	Fe-T (ug/l)	Pb-T (ug/l)	Mg-T (mg/l)	Mn-T (ug/l)	Hg-T (ug/l)	Ni-T (ug/l)	Se-T (ug/l)	Zn-T (ug/l)	Hardness (mg/l)
07/15/93				K 2	K 0.2	79	K 30	K 10	212	K 2	25	K 10		K 40	K 2	K 10	300
Average				K 2.0	K 0.20	79.0	K 30.0	K 10.0	212.0	K 2.0	25.0	K 10.0		K 40.0	K 2.0	K 10.0	300.0
Maximum				K 2	K 0.2	79	K 30	K 10	212	K 2	25	K 10		K 40	K 2	K 10	300
Minimum				K 2	K 0.2	79	K 30	K 10	212	K 2	25	K 10		K 40	K 2	K 10	300

NOTE: K = less than
L = greater than

Appendix Table A-4, continued.

STORET M01P30 SITE LOCATION MILL_RUN
RIVER MILE 0.59 #56 U.S. 42

Date	Temp (C)	D.O (mg/l)	pH (fld) (SU)	Chlorine Tot. Res. (mg/l)	Flow (cfs)	CBOD5 (mg/l)	TOC (mg/l)	COD (mg/l)	Cl (mg/l)	Conductivity (umhos/cm)	CN (ug/l)
07/15/93	19.2	8.8				K 1.0	K 5.0	34	22	538	
Average	19.2	8.8				K 1.00	K 5.00	34.0	22.0	538.0	
Maximum	19.2	8.8				K 1.0	K 5.0	34	22	538	
Minimum	19.2	8.8				K 1.0	K 5.0	34	22	538	

STORET M01P30 RM 0.59

Date	NO3-NO2-N (mg/l)	NO2-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	Oil & Grease (mg/l)	pH(lab) (SU)	Phenolics (mg/l)	P-T (mg/l)	Flt. Res. (mg/l)	TSS (mg/l)
07/15/93	1.00	K 0.02	K 0.05	0.20				0.07	370	K 5
Average	1.00	K 0.020	K 0.050	0.200				0.070	370.0	K 5.0
Maximum	1.00	K 0.02	K 0.05	0.20				0.07	370	K 5
Minimum	1.00	K 0.02	K 0.05	0.20				0.07	370	K 5

Appendix Table A-4, continued.

STORET M01P30 RM 0.59

Date	Fecal Coliform (#/100ml)	Fecal Strept. (#/100ml)	E.coli (#/100ml)	As-T (ug/l)	Cd-T (ug/l)	Ca-T (mg/l)	Cr-T (ug/l)	Cu-T (ug/l)	Fe-T (ug/l)	Pb-T (ug/l)	Mg-T (mg/l)	Mn-T (ug/l)	Hg-T (ug/l)	Ni-T (ug/l)	Se-T (ug/l)	Zn-T (ug/l)	Hardness (mg/l)
07/15/93				K 2	K 0.2	74	K 30	K 10	108	K 2	25	K 10		K 40	K 2	K 10	288
Average				K 2.0	K 0.20	74.0	K 30.0	K 10.0	108.0	K 2.0	25.0	K 10.0		K 40.0	K 2.0	K 10.0	288.0
Maximum				K 2	K 0.2	74	K 30	K 10	108	K 2	25	K 10		K 40	K 2	K 10	288
Minimum				K 2	K 0.2	74	K 30	K 10	108	K 2	25	K 10		K 40	K 2	K 10	288

NOTE: K = less than
L = greater than

Appendix Table A-4, continued.

STORET M02S01 SITE LOCATION ANDERSON_FK
RIVER MILE 4.90 #57 OLD WINCHESTER TRAIL

Date	Temp (C)	D.O (mg/l)	pH (fld) (SU)	Chlorine Tot. Res. (mg/l)	Flow (cfs)	CBOD5 (mg/l)	TOC (mg/l)	COD (mg/l)	Cl (mg/l)	Conductivity (umhos/cm)	CN (ug/l)
07/15/93	19.9	8.4				K 1.0	K 5.0	18	18	574	
08/12/93	18.5	7.7				K 1.0	K 5.0	K 10	36	676	
08/26/93	21.0	8.4				K 1.0	K 5.0	14	36	691	
09/23/93	17.9	5.7	6.61			K 1.0	K 5.0	13	29	678	
Average	19.32	7.54	6.61			K 1.00	K 5.00	13.7	29.7	654.7	
Maximum	21.0	8.4	6.61			K 1.0	K 5.0	18	36	691	
Minimum	17.9	5.7	6.61			K 1.0	K 5.0	K 10	18	574	

STORET M02S01 RM 4.90

Date	NO3-NO2-N (mg/l)	NO2-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	Oil & Grease (mg/l)	pH(lab) (SU)	Phenolics (mg/l)	P-T (mg/l)	Flt. Res. (mg/l)	TSS (mg/l)
07/15/93	7.55	0.02	K 0.05	0.70				0.17	400	98
08/12/93	0.81	0.02	K 0.05	0.30		8.09		0.05	474	8
08/26/93	0.48	0.02	K 0.05	0.50		8.16		0.44	452	12
09/23/93	K 0.10	K 0.02	K 0.05	0.40		8.03		K 0.05	392	K 5
Average	2.234	0.020	K 0.050	0.475		8.093		0.177	429.5	30.7
Maximum	7.55	0.02	K 0.05	0.70		8.16		0.44	474	98
Minimum	K 0.10	K 0.02	K 0.05	0.30		8.03		K 0.05	392	K 5

Appendix Table A-4, continued.

STORET M02S01 RM 4.90

Date	Fecal Coliform (#/100ml)	Fecal Strept. (#/100ml)	E.coli (#/100ml)	As-T (ug/l)	Cd-T (ug/l)	Ca-T (mg/l)	Cr-T (ug/l)	Cu-T (ug/l)	Fe-T (ug/l)	Pb-T (ug/l)	Mg-T (mg/l)	Mn-T (ug/l)	Hg-T (ug/l)	Ni-T (ug/l)	Se-T (ug/l)	Zn-T (ug/l)	Hardness (mg/l)
07/15/93				K 2	K 0.2	79	K 30	K 10	2610	K 2	31	58		K 40	K 2	23	325
08/12/93				K 2	K 0.2	71	K 30	K 10	465	K 2	41	33		K 40	K 2	K 10	346
08/26/93				K 2	K 0.2	74	K 30	K 10	595	K 2	43	53		K 40	K 2	K 10	362
09/23/93				K 2	K 0.2	72	K 30	K 10	257	K 2	38	48		K 40	K 2	12	336
Average				K 2.0	K 0.20	74.0	K 30.0	K 10.0	981.7	K 2.0	38.2	48.0		K 40.0	K 2.0	13.7	342.2
Maximum				K 2	K 0.2	79	K 30	K 10	2610	K 2	43	58		K 40	K 2	23	362
Minimum				K 2	K 0.2	71	K 30	K 10	257	K 2	31	33		K 40	K 2	K 10	325

NOTE: K = less than
L = greater than

Appendix Table A-4, continued.

STORET M02P07 SITE LOCATION FLAT_FORK
RIVER MILE 1.70 #58 OREGONIA RD

Date	Temp (C)	D.O (mg/l)	pH (fld) (SU)	Chlorine Tot. Res. (mg/l)	Flow (cfs)	CBOD5 (mg/l)	TOC (mg/l)	COD (mg/l)	Cl (mg/l)	Conductivity (umhos/cm)	CN (ug/l)
07/15/93	20.0	5.5				1.0	7.0	27	21	404	
08/12/93	19.1	2.9				5.9	36.0	128	36	445	
09/23/93	16.7	1.1	7.27			2.9	14.0	48	19	562	
Average	18.59	3.16	7.27			3.26	19.00	67.6	25.3	470.3	
Maximum	20.0	5.5	7.27			5.9	36.0	128	36	562	
Minimum	16.7	1.1	7.27			1.0	7.0	27	19	404	

STORET M02P07 RM 1.70

Date	NO3-NO2-N (mg/l)	NO2-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	Oil & Grease (mg/l)	pH(lab) (SU)	Phenolics (mg/l)	P-T (mg/l)	Flt. Res. (mg/l)	TSS (mg/l)
07/15/93	4.23	0.07	K 0.05	0.80		7.90		0.24	312	13
08/12/93	0.28	0.04	0.84	8.00		7.78		0.98	356	36
09/23/93	K 0.10	K 0.02	0.08	1.30		7.69		0.33	354	8
Average	1.536	0.043	0.323	3.366		7.789		0.516	340.6	19.0
Maximum	4.23	0.07	0.84	8.00		7.90		0.98	356	36
Minimum	K 0.10	K 0.02	K 0.05	0.80		7.69		0.24	312	8

Appendix Table A-4, continued.

STORET M02P07 RM 1.70

Date	Fecal Coliform (#/100ml)	Fecal Strept. (#/100ml)	E.coli (#/100ml)	As-T (ug/l)	Cd-T (ug/l)	Ca-T (mg/l)	Cr-T (ug/l)	Cu-T (ug/l)	Fe-T (ug/l)	Pb-T (ug/l)	Mg-T (mg/l)	Mn-T (ug/l)	Hg-T (ug/l)	Ni-T (ug/l)	Se-T (ug/l)	Zn-T (ug/l)	Hardness (mg/l)
07/15/93	240	460	210	3	K 0.2	51	K 30	K 10	764	K 2	16	121		K 40	K 2	21	193
08/12/93				12	K 0.2	46	K 30	K 10	1870	K 2	21	1250		K 40	K 2	29	201
09/23/93	1320	170	1130	4	K 0.2	74	K 30	K 10	465	K 2	21	1060		K 40	K 2	35	271
Average	780.0	315.0	670.0	6.3	K 0.20	57.0	K 30.0	K 10.0	1033.0	K 2.0	19.3	810.3		K 40.0	K 2.0	28.3	221.6
Maximum	1320	460	1130	12	K 0.2	74	K 30	K 10	1870	K 2	21	1250		K 40	K 2	35	271
Minimum	240	170	210	3	K 0.2	46	K 30	K 10	465	K 2	16	121		K 40	K 2	21	193

NOTE: K = less than
L = greater than

Appendix Table A-4, continued.

STORET M02P13 SITE LOCATION CAESAR_CREEK
RIVER MILE 16.52 #59 PAINTERSVILLE RD

Date	Temp (C)	D.O (mg/l)	pH (fld) (SU)	Chlorine Tot. Res. (mg/l)	Flow (cfs)	CBOD5 (mg/l)	TOC (mg/l)	COD (mg/l)	Cl (mg/l)	Conductivity (umhos/cm)	CN (ug/l)
07/15/93	19.5	7.8				K 1.0	K 5.0	19	25	581	
08/12/93	16.1	6.6				K 1.0	K 5.0	K 10	22	636	
08/26/93	13.5	8.2				K 1.0	K 5.0	K 10	17	623	
09/23/93	14.4	3.2	7.02			K 1.0	K 5.0	10	18	659	
Average	15.87	6.44	7.02			K 1.00	K 5.00	12.2	20.5	624.7	
Maximum	19.5	8.2	7.02			K 1.0	K 5.0	19	25	659	
Minimum	13.5	3.2	7.02			K 1.0	K 5.0	K 10	17	581	

STORET M02P13 RM 16.52

Date	NO3-NO2-N (mg/l)	NO2-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	Oil & Grease (mg/l)	pH(lab) (SU)	Phenolics (mg/l)	P-T (mg/l)	Flt. Res. (mg/l)	TSS (mg/l)
07/15/93	4.09	K 0.02	K 0.05	0.30		8.27		0.09	400	32
08/12/93	1.46	0.02	K 0.05	K 0.20		7.88		0.12	384	7
08/26/93	1.98	0.03	K 0.05	K 0.20		7.64		1.89	372	6
09/23/93	1.71	0.03	K 0.05	0.30		7.61		K 0.05	376	K 5
Average	2.309	0.025	K 0.050	0.250		7.849		0.537	383.0	12.5
Maximum	4.09	0.03	K 0.05	0.30		8.27		1.89	400	32
Minimum	1.46	K 0.02	K 0.05	K 0.20		7.61		K 0.05	372	K 5

Appendix Table A-4, continued.

STORET M02P13 RM 16.52

Date	Fecal Coliform (#/100ml)	Fecal Strept. (#/100ml)	E.coli (#/100ml)	As-T (ug/l)	Cd-T (ug/l)	Ca-T (mg/l)	Cr-T (ug/l)	Cu-T (ug/l)	Fe-T (ug/l)	Pb-T (ug/l)	Mg-T (mg/l)	Mn-T (ug/l)	Hg-T (ug/l)	Ni-T (ug/l)	Se-T (ug/l)	Zn-T (ug/l)	Hardness (mg/l)
07/15/93				2	K 0.2	74	K 30	K 10	987	K 2	32	38		K 40	K 2	K 10	317
08/12/93				K 2	K 0.2	77	K 30	K 10	305	K 2	32	40		K 40	K 2	K 10	324
08/26/93				K 2	K 0.2	86	K 30	K 10	120	K 2	32	61		K 40	K 2	52	347
09/23/93	80	130	90	K 2	K 0.2	87	K 30	K 10	59	K 2	31	84		K 40	K 2	K 10	345
Average	80.0	130.0	90.0	2.0	K 0.20	81.0	K 30.0	K 10.0	367.7	K 2.0	31.7	55.7		K 40.0	K 2.0	20.5	333.2
Maximum	80	130	90	2	K 0.2	87	K 30	K 10	987	K 2	32	84		K 40	K 2	52	347
Minimum	80	130	90	K 2	K 0.2	74	K 30	K 10	59	K 2	31	38		K 40	K 2	K 10	317

NOTE: K = less than
L = greater than

Appendix Table A-4, continued.

STORET 600550 SITE LOCATION CAESAR_CREEK
RIVER MILE 0.15 #60 CORWIN RD

Date	Temp (C)	D.O (mg/l)	pH (fld) (SU)	Chlorine Tot. Res. (mg/l)	Flow (cfs)	CBOD5 (mg/l)	TOC (mg/l)	COD (mg/l)	Cl (mg/l)	Conductivity (umhos/cm)	CN (ug/l)
06/29/93	22.0	8.3				1.6	K 5.0	34	23	423	
07/15/93	14.1	7.2				K 1.0	K 5.0	26	21	402	
07/28/93	28.0	8.0	6.98			K 1.0	K 5.0	16	22	415	
08/12/93	20.0	8.0				K 1.0	K 5.0	K 10	24	438	
08/26/93	22.0	8.6				K 1.0	K 5.0	13	20	401	
09/07/93	16.0	9.7				K 1.0	K 5.0	15	26	437	
09/23/93	18.8	8.5	7.77			K 1.0	K 5.0	23	23	438	
Average	20.12	8.32	7.340			1.08	K 5.00	19.5	22.7	422.0	
Maximum	28.0	9.7	7.77			1.6	K 5.0	34	26	438	
Minimum	14.1	7.2	6.98			K 1.0	K 5.0	K 10	20	401	

STORET 600550 RM 0.15

Date	NO3-NO2-N (mg/l)	NO2-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	Oil & Grease (mg/l)	pH(lab) (SU)	Phenolics (mg/l)	P-T (mg/l)	Flt. Res. (mg/l)	TSS (mg/l)
06/29/93	3.38	0.04	K 0.05	0.50		8.36		0.06	278	10
07/15/93	3.26	0.03	K 0.05	0.60	8.2	7.90		0.06	280	7
07/28/93	3.04	K 0.02	K 0.05	0.30				0.06	264	K 5
08/12/93	3.22	0.02	K 0.05	0.50		8.28		K 0.05	276	5
08/26/93	2.69	K 0.02	K 0.05	0.50		8.29		0.06	238	5
09/07/93	2.14	0.02	K 0.05	0.40		8.34		K 0.05	270	K 5
09/23/93	1.86	K 0.02	K 0.05	0.60		8.18		0.06	242	K 5
Average	2.798	0.024	K 0.050	0.485	8.2	8.225		0.057	264.0	6.0
Maximum	3.38	0.04	K 0.05	0.60	8.2	8.36		0.06	280	10
Minimum	1.86	K 0.02	K 0.05	0.30	8.2	7.90		K 0.05	238	K 5

Appendix Table A-4, continued.

STORET 600550 RM 0.15

Date	Fecal Coliform (#/100ml)	Fecal Strept. (#/100ml)	E.coli (#/100ml)	As-T (ug/l)	Cd-T (ug/l)	Ca-T (mg/l)	Cr-T (ug/l)	Cu-T (ug/l)	Fe-T (ug/l)	Pb-T (ug/l)	Mg-T (mg/l)	Mn-T (ug/l)	Hg-T (ug/l)	Ni-T (ug/l)	Se-T (ug/l)	Zn-T (ug/l)	Hardness (mg/l)
06/29/93				K 2	K 0.2	43	K 30	K 10	205	K 2	24	33		K 40	K 2	K 10	206
07/15/93				K 2	K 0.2	41	K 30	K 10	114	K 2	24	28		K 40	K 2	K 10	201
07/28/93				K 2	K 0.2	41	K 30	K 10	K 50	K 2	24	26		K 40	K 2	K 10	201
08/12/93				K 2	K 0.2	41	K 30	K 10	172	K 2	25	32		K 40	K 2	K 10	205
08/26/93				K 2	K 0.2	38	K 30	K 10	184	K 2	25	39		K 40	K 2	K 10	198
09/07/93				K 2	K 0.2	49	K 30	K 10	147	K 2	25	41		K 40	K 2	K 10	225
09/23/93				K 2	K 0.2	43	K 30	K 10	126	K 2	24	43		K 40	K 2	17	206
Average				K 2.0	K 0.20	42.2	K 30.0	K 10.0	142.5	K 2.0	24.4	34.5		K 40.0	K 2.0	11.0	206.0
Maximum				K 2	K 0.2	49	K 30	K 10	205	K 2	25	43		K 40	K 2	17	225
Minimum				K 2	K 0.2	38	K 30	K 10	K 50	K 2	24	26		K 40	K 2	K 10	198

NOTE: K = less than
L = greater than

Appendix Table A-4, continued.

STORET M05S19 SITE LOCATION DRY RUN
RIVER MILE 1.79 #61 SNOOK RD

Date	Temp (C)	D.O (mg/l)	pH (fld) (SU)	Chlorine Tot. Res. (mg/l)	Flow (cfs)	CBOD5 (mg/l)	TOC (mg/l)	COD (mg/l)	Cl (mg/l)	Conductivity (umhos/cm)	CN (ug/l)
07/15/93	14.2	6.2				K 1.0	K 5.0	22	26	590	
08/12/93	12.5	6.0				K 1.0	K 5.0	K 10	24	973	
08/26/93	15.0	4.2				K 1.0	K 5.0	K 10	22		
Average	13.90	5.46				K 1.00	K 5.00	14.0	24.0	636.5	
Maximum	15.0	6.2				K 1.0	K 5.0	22	26	973	
Minimum	12.5	4.2				K 1.0	K 5.0	K 10	22	590	

STORET M05S19 RM 1.79

Date	NO3-NO2-N (mg/l)	NO2-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	Oil & Grease (mg/l)	pH(lab) (SU)	Phenolics (mg/l)	P-T (mg/l)	Flt. Res. (mg/l)	TSS (mg/l)
07/15/93	0.93	K 0.02	K 0.05	0.20		7.76		0.11	400	12
08/12/93	1.09	0.02	K 0.05	K 0.20		7.59		K 0.05	422	K 5
08/26/93	0.52	0.02	K 0.05	0.20		7.58		0.06	416	K 5
Average	0.846	0.020	K 0.050	0.200		7.643		0.073	412.6	7.3
Maximum	1.09	0.02	K 0.05	0.20		7.76		0.11	422	12
Minimum	0.52	K 0.02	K 0.05	K 0.20		7.58		K 0.05	400	K 5

Appendix Table A-4, continued.

STORET M05S19 RM 1.79

Date	Fecal Coliform (#/100ml)	Fecal Strept. (#/100ml)	E.coli (#/100ml)	As-T (ug/l)	Cd-T (ug/l)	Ca-T (mg/l)	Cr-T (ug/l)	Cu-T (ug/l)	Fe-T (ug/l)	Pb-T (ug/l)	Mg-T (mg/l)	Mn-T (ug/l)	Hg-T (ug/l)	Ni-T (ug/l)	Se-T (ug/l)	Zn-T (ug/l)	Hardness (mg/l)
07/15/93				K 2	K 0.2	94	K 30	K 10	892	K 2	17	77		K 40	K 2	13	305
08/12/93				K 2	K 0.2	112	K 30	K 10	80	K 2	20	39		K 40	K 2	K 10	362
08/26/93				K 2	K 0.2	106	K 30	K 10	94	K 2	20	115		K 40	K 2	K 10	347
Average				K 2.0	K 0.20	104.0	K 30.0	K 10.0	355.3	K 2.0	19.0	77.0		K 40.0	K 2.0	11.0	338.0
Maximum				K 2	K 0.2	112	K 30	K 10	892	K 2	20	115		K 40	K 2	13	362
Minimum				K 2	K 0.2	94	K 30	K 10	80	K 2	17	39		K 40	K 2	K 10	305

NOTE: K = less than
L = greater than

Appendix Table A-4, continued.

STORET M05S17 SITE LOCATION TURTLE CREEK
RIVER MILE 6.23 #62 GLOSSER RD

Date	Temp (C)	D.O (mg/l)	pH (fld) (SU)	Chlorine Tot. Res. (mg/l)	Flow (cfs)	CBOD5 (mg/l)	TOC (mg/l)	COD (mg/l)	Cl (mg/l)	Conductivity (umhos/cm)	CN (ug/l)
07/14/93	23.0	5.4	7.74			1.5	8.0	81	42	531	
08/11/93	25.5	7.2				2.3	5.8	21	108		
08/25/93	28.1	7.2				2.0	K 5.0	15	64	629	
09/22/93	17.0	4.0				1.0	K 5.0	20	51	630	
Average	23.39	5.94	7.74			1.70	5.95	34.2	66.2	596.7	
Maximum	28.1	7.2	7.74			2.3	8.0	81	108	630	
Minimum	17.0	4.0	7.74			1.0	K 5.0	15	42	531	

STORET M05S17 RM 6.23

Date	NO3-NO2-N (mg/l)	NO2-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	Oil & Grease (mg/l)	pH(lab) (SU)	Phenolics (mg/l)	P-T (mg/l)	Flt. Res. (mg/l)	TSS (mg/l)
07/14/93	0.55	0.03	K 0.05	0.30				0.07	386	23
08/11/93	0.29	0.04	K 0.05	0.40		8.05		0.07	550	13
08/25/93	K 0.10	0.02	K 0.05	0.60		8.13		0.38	396	48
09/22/93	0.13	K 0.02	0.06	0.30		7.89		0.07	372	18
Average	0.267	0.027	0.052	0.400		8.023		0.147	426.0	25.5
Maximum	0.55	0.04	0.06	0.60		8.13		0.38	550	48
Minimum	K 0.10	K 0.02	K 0.05	0.30		7.89		0.07	372	13

Appendix Table A-4, continued.

STORET M05S17 RM 6.23

Date	Fecal Coliform (#/100ml)	Fecal Strept. (#/100ml)	E.coli (#/100ml)	As-T (ug/l)	Cd-T (ug/l)	Ca-T (mg/l)	Cr-T (ug/l)	Cu-T (ug/l)	Fe-T (ug/l)	Pb-T (ug/l)	Mg-T (mg/l)	Mn-T (ug/l)	Hg-T (ug/l)	Ni-T (ug/l)	Se-T (ug/l)	Zn-T (ug/l)	Hardness (mg/l)
07/14/93				2	K 0.2	69	K 30	K 10	828	6	16	144		K 40	K 2	14	238
08/11/93				K 2	K 0.2	76	K 30	K 10	707	K 2	25	263		K 40	K 2	17	293
08/25/93				2	K 0.2	67	K 30	K 10	464	K 2	18	244		K 40	K 2	K 10	241
09/22/93	260	280	250	K 2	K 0.2	74	K 30	K 10	1040	K 2	18	293		K 40	K 2	48	259
Average	260	280	250.0	2.0	K 0.20	71.5	K 30.0	K 10.0	759.7	3.0	19.2	236.0		K 40.0	K 2.0	22.2	257.7
Maximum	260	280	250	2	K 0.2	76	K 30	K 10	1040	6	25	293		K 40	K 2	48	293
Minimum	260	280	250	K 2	K 0.2	67	K 30	K 10	464	K 2	16	144		K 40	K 2	K 10	238

NOTE: K = less than
L = greater than

Appendix Table A-4, continued.

STORET M05S21 SITE LOCATION TURTLE_CREEK
RIVER MILE 5.00 #63 MCCLURE RD

Date	Temp (C)	D.O (mg/l)	pH (fld) (SU)	Chlorine Tot. Res. (mg/l)	Flow (cfs)	CBOD5 (mg/l)	TOC (mg/l)	COD (mg/l)	Cl (mg/l)	Conductivity (umhos/cm)	CN (ug/l)
06/30/93	20.5	4.8	6.58			1.3	K 5.0	34	36	569	
07/14/93	24.5	8.0	7.82			1.4	6.0	22	43	493	
07/28/93	22.5	3.2	7.30			3.9	K 5.0	K 10	31	680	
08/11/93	25.0	15.6				2.2	K 5.0	18	31		
08/25/93	29.0	14.2				3.0	K 5.0	16	32	640	
09/08/93	19.0	8.4				2.0	K 5.0	20	34	489	
Average	23.41	9.03	7.233			2.29	5.16	20.0	34.5	574.2	
Maximum	29.0	15.6	7.82			3.9	6.0	34	43	680	
Minimum	19.0	3.2	6.58			1.3	K 5.0	K 10	31	489	

STORET M05S21 RM 5.00

Date	NO3-NO2-N (mg/l)	NO2-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	Oil & Grease (mg/l)	pH(lab) (SU)	Phenolics (mg/l)	P-T (mg/l)	Flt. Res. (mg/l)	TSS (mg/l)
06/30/93	0.89	0.03	K 0.05	0.40				0.07	370	10
07/14/93	0.62	0.02	K 0.05	0.30				0.06	350	14
07/28/93	2.91	0.11	K 0.05	0.40				0.07	410	12
08/11/93	2.81	0.15	K 0.05	0.40		7.96		K 0.05	424	8
08/25/93	2.87	0.09	K 0.05	0.60		7.94		K 0.05	396	39
09/08/93	1.64	0.03	K 0.05	0.40		7.93		0.08	326	10
Average	1.956	0.071	K 0.050	0.416		7.943		0.063	379.3	15.5
Maximum	2.91	0.15	K 0.05	0.60		7.96		0.08	424	39
Minimum	0.62	0.02	K 0.05	0.30		7.93		K 0.05	326	8

Appendix Table A-4, continued.

STORET M05S21 RM 5.00

Date	Fecal Coliform (#/100ml)	Fecal Strept. (#/100ml)	E.coli (#/100ml)	As-T (ug/l)	Cd-T (ug/l)	Ca-T (mg/l)	Cr-T (ug/l)	Cu-T (ug/l)	Fe-T (ug/l)	Pb-T (ug/l)	Mg-T (mg/l)	Mn-T (ug/l)	Hg-T (ug/l)	Ni-T (ug/l)	Se-T (ug/l)	Zn-T (ug/l)	Hardness (mg/l)
06/30/93	1100	2100	1400	K 2	K 0.2	75	K 30	K 10	320	4	18	185	K 0.20	K 40	K 2	26	261
07/14/93	2700	2500	1800	3	K 0.2	61	K 30	K 10	517	245	14	106		K 40	K 2	25	210
07/28/93	613	470	800	K 2	K 0.2	99	K 30	K 10	394	K 2	25	261		K 40	K 2	10	350
08/11/93	180	75	K 10	K 2	K 0.2	96	K 30	K 10	357	K 2	26	97		K 40	K 2	K 10	347
08/25/93		20		K 2	K 0.2	101	K 30	K 10	399	K 2	25	143		K 40	K 2	K 10	355
09/08/93	793	160	250	K 2	K 0.2	75	K 30	K 10	483	K 2	16	86		K 40	K 2	20	253
Average	1077.2	887.5	825.0	2.1	K 0.20	84.5	K 30.0	K 10.0	411.6	42.8	20.6	146.3	K 0.20	K 40.0	K 2.0	16.8	296.0
Maximum	2700	2500	1800	3	K 0.2	101	K 30	K 10	517	245	26	261	K 0.20	K 40	K 2	26	355
Minimum	180	20	K 10	K 2	K 0.2	61	K 30	K 10	320	K 2	14	86	K 0.20	K 40	K 2	K 10	210

NOTE: K = less than
L = greater than

Appendix Table A-4, continued.

STORET M05P05 SITE LOCATION TURTLE_CREEK
RIVER MILE 0.70 #64 MASON RD

Date	Temp (C)	D.O (mg/l)	pH (fld) (SU)	Chlorine Tot. Res. (mg/l)	Flow (cfs)	CBOD5 (mg/l)	TOC (mg/l)	COD (mg/l)	Cl (mg/l)	Conductivity (umhos/cm)	CN (ug/l)
06/30/93	21.3	6.4	7.09			1.0	K 5.0	28	34	582	
07/14/93	24.0	2.8	8.33			1.2	7.0	17	22	444	
07/28/93	27.0	3.2	6.96			2.1	K 5.0	22	49	615	
08/11/93	22.0	6.8				1.7	K 5.0	19	44		
08/25/93	25.5	4.2				3.0	6.0	21	37	485	
09/08/93	18.5	5.8				2.0	6.0	27	50	556	
09/22/93	18.0	8.5				6.0	5.0	36	47	612	
Average	22.32	5.38	7.460			2.42	5.57	24.2	40.4	549.0	
Maximum	27.0	8.5	8.33			6.0	7.0	36	50	615	
Minimum	18.0	2.8	6.96			1.0	K 5.0	17	22	444	

STORET M05P05 RM 0.70

Date	NO3-NO2-N (mg/l)	NO2-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	Oil & Grease (mg/l)	pH(lab) (SU)	Phenolics (mg/l)	P-T (mg/l)	Flt. Res. (mg/l)	TSS (mg/l)
06/30/93	0.21	0.02	K 0.05	0.20				0.89	390	12
07/14/93	1.22	0.09	0.09	0.30				0.26	316	85
07/28/93	0.54	0.02	0.05	0.30				0.49	408	20
08/11/93	K 0.10	0.02	K 0.05	0.40		8.19		0.25	412	24
08/25/93	K 0.10	K 0.02	K 0.05	0.80		8.29		0.32	310	39
09/08/93	0.57	0.02	K 0.05	0.30		8.25		2.14	368	20
09/22/93	0.36	0.04	0.10	0.70		8.67		0.39	378	41
Average	0.442	0.032	0.062	0.428		8.350		0.677	368.8	34.4
Maximum	1.22	0.09	0.10	0.80		8.67		2.14	412	85
Minimum	K 0.10	K 0.02	K 0.05	0.20		8.19		0.25	310	12

Appendix Table A-4, continued.

STORET M05P05 RM 0.70

Date	Fecal Coliform (#/100ml)	Fecal Strept. (#/100ml)	E.coli (#/100ml)	As-T (ug/l)	Cd-T (ug/l)	Ca-T (mg/l)	Cr-T (ug/l)	Cu-T (ug/l)	Fe-T (ug/l)	Pb-T (ug/l)	Mg-T (mg/l)	Mn-T (ug/l)	Hg-T (ug/l)	Ni-T (ug/l)	Se-T (ug/l)	Zn-T (ug/l)	Hardness (mg/l)
06/30/93	3100	2200	3200	2	K 0.2	76	K 30	K 10	335	K 2	21	126	K 0.20	K 40	K 2	33	276
07/14/93	19000	82000	16000	3	K 0.2	64	K 30	K 10	3040	4	16	160		K 40	K 2	23	226
07/28/93	160	210	70	3	K 0.2	73	K 30	K 10	770	K 2	22	489		K 40	K 2	29	273
08/11/93	10	110	K 10	K 2	K 0.2	73	K 30	K 10	2150	K 2	25	271		K 40	K 2	27	285
08/25/93		780		4	K 0.2	57	K 30	K 10	1280	K 2	14	254		K 40	K 2	29	200
09/08/93	847	350	500	K 2	K 0.2	72	K 30	K 10	1220	K 2	16	62		K 40	K 2	15	246
09/22/93	30	50	30	K 2	K 0.2	77	K 30	K 10	1480	2	21	94		K 40	K 2	37	279
Average	3857.8	12242.8	3301.7	2.5	K 0.20	70.2	K 30.0	K 10.0	1467.8	2.2	19.2	208.0	K 0.200	K 40.0	K 2.0	27.5	255.0
Maximum	19000	82000	16000	4	K 0.2	77	K 30	K 10	3040	4	25	489	K 0.20	K 40	K 2	37	285
Minimum	10	50	K 10	K 2	K 0.2	57	K 30	K 10	335	K 2	14	62	K 0.20	K 40	K 2	15	200

NOTE: K = less than
L = greater than

Appendix Table A-4, continued.

STORET M05S31 SITE LOCATION TURTLE CREEK
RIVER MILE 0.58 #65 CINCY MILACRON MIXING

Date	Temp (C)	D.O (mg/l)	pH (fld) (SU)	Chlorine Tot. Res. (mg/l)	Flow (cfs)	CBOD5 (mg/l)	TOC (mg/l)	COD (mg/l)	Cl (mg/l)	Conductivity (umhos/cm)	CN (ug/l)
06/30/93	21.5	8.0	7.42			16.0	11.0	52	51	787	5
07/14/93	24.5	7.8	8.29	0.24		3.9	7.0	18	37	636	K 5
07/28/93	27.0	8.0	6.98			5.1	8.0	34	170	1830	K 5
08/11/93	22.5	8.4		0.12		44.0	87.6	155	82		K 5
08/25/93	20.0	9.0		74.50		L 110.0	92.0	204	248	2670	
09/08/93	19.5	9.6		0.04		79.0	53.0	33	77	1130	K 5
09/22/93	19.5	9.6		0.09		38.0	29.0	73	238	2450	K 5
Average	22.07	8.62	7.563	14.998		42.28	41.08	81.2	129.0	1583.8	5.0
Maximum	27.0	9.6	8.29	74.50		L 110.0	92.0	204	248	2670	5
Minimum	19.5	7.8	6.98	0.04		3.9	7.0	18	37	636	K 5

STORET M05S31 RM 0.58

Date	NO3-NO2-N (mg/l)	NO2-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	Oil & Grease (mg/l)	pH(lab) (SU)	Phenolics (mg/l)	P-T (mg/l)	Flt. Res. (mg/l)	TSS (mg/l)
06/30/93	1.04	0.04	0.29	3.30				0.44	484	8
07/14/93	1.18	0.08	0.09	0.40			K 10	0.36	416	71
07/28/93	12.10	0.11	0.12	5.50			24	4.24	1190	48
08/11/93	2.20	0.12	3.37	15.70		7.93	K 10	0.83	1090	36
08/25/93	3.82	0.21	1.09	28.00		7.91	K 10	0.64	1720	68
09/08/93	2.68	0.05	1.61	18.50		8.12	10	0.76	680	17
09/22/93	4.48	0.08	2.67	8.10		8.12	K 10	1.31	1580	6
Average	3.928	0.098	1.319	11.35		8.020	12.33	1.225	1022.8	36.2
Maximum	12.10	0.21	3.37	28.00		8.12	24	4.24	1720	71
Minimum	1.04	0.04	0.09	0.40		7.91	K 10	0.36	416	6

Appendix Table A-4, continued.

STORET M05S31 RM 0.58

Date	Fecal Coliform (#/100ml)	Fecal Strept. (#/100ml)	E.coli (#/100ml)	As-T (ug/l)	Cd-T (ug/l)	Ca-T (mg/l)	Cr-T (ug/l)	Cu-T (ug/l)	Fe-T (ug/l)	Pb-T (ug/l)	Mg-T (mg/l)	Mn-T (ug/l)	Hg-T (ug/l)	Ni-T (ug/l)	Se-T (ug/l)	Zn-T (ug/l)	Hardness (mg/l)
06/30/93				K 2	K 0.2	70	K 30	K 10	326	K 2	18	137	K 0.20	K 40	K 2	18	249
07/14/93				4	K 0.2	71	K 30	K 10	2520	3	17	151		K 40	K 2	19	247
07/28/93	260	1070	160	K 2	0.4	67	K 30	447	720	16	18	109	K 0.20	K 40	K 2	143	241
08/11/93	330	100	K 10	K 2	K 0.2	18	K 30	128	1600	24	4	99	1.35	K 40	K 2	55	61
08/25/93		90		K 4	0.2	20	K 30	374	926	26	4	102	K 0.20	K 40	K 2	41	66
09/08/93	370	250	250	K 2	K 0.2	38	K 30	40	820	8	9	65	K 0.20	K 40	K 2	27	132
09/22/93	K 10	70	K 10	K 10	K 0.2	17	K 30	43	132	K 2	4	438	K 0.20	K 40	K 2	21	59
Average	242.5	316.0	107.5	3.7	0.22	43.0	K 30.0	150.2	1006.2	11.5	10.5	157.2	0.392	K 40.0	K 2.0	46.2	150.7
Maximum	370	1070	250	10	0.4	71	K 30	447	2520	26	18	438	1.35	K 40	K 2	143	249
Minimum	K 10	70	K 10	K 2	K 0.2	17	K 30	K 10	132	K 2	4	65	K 0.20	K 40	K 2	18	59

NOTE: K = less than
L = greater than

Appendix Table A-4, continued.

STORET M05S14 SITE LOCATION TURTLE CREEK
RIVER MILE 0.52 #65A S.R. 48

Date	Temp (C)	D.O (mg/l)	pH (fld) (SU)	Chlorine Tot. Res. (mg/l)	Flow (cfs)	CBOD5 (mg/l)	TOC (mg/l)	COD (mg/l)	Cl (mg/l)	Conductivity (umhos/cm)	CN (ug/l)
07/14/93						1.0	6.0	17	26	434	
07/28/93	26.5	8.0	6.96			5.7	7.0	118	546	2380	
08/11/93	22.0	7.5				28.0	43.6	80	595		
08/25/93	22.0	4.4				L 110.0	69.4	164	835	3900	
09/08/93	19.0	7.6				34.0	22.0	62	64	790	
09/22/93	18.0	8.6				27.0	18.0	46	598	2890	
Average	21.5	7.22	6.96			34.28	27.66	81.1	444.0	2078.8	
Maximum	26.5	8.6	6.96			L 110.0	69.4	164	835	3900	
Minimum	18.0	4.4	6.96			1.0	6.0	17	26	434	

STORET M05S14 RM 0.52

Date	NO3-NO2-N (mg/l)	NO2-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	Oil & Grease (mg/l)	pH(lab) (SU)	Phenolics (mg/l)	P-T (mg/l)	Flt. Res. (mg/l)	TSS (mg/l)
07/14/93	1.24	0.07	0.06	0.40				0.40		61
07/28/93	1.66	0.06	0.57	1.30				2.09	1530	74
08/11/93	1.20	0.25	3.33	9.30		7.93		0.54	1690	9
08/25/93	2.86	0.26	8.91	31.00		7.81		0.36	2370	12
09/08/93	1.33	0.04	0.65	6.70		8.16		0.43	484	22
09/22/93	2.94	0.17	23.60	25.00		7.88		0.76	1760	12
Average	1.871	0.141	6.186	12.28		7.945		0.763	1566.8	31.6
Maximum	2.94	0.26	23.60	31.00		8.16		2.09	2370	74
Minimum	1.20	0.04	0.06	0.40		7.81		0.36	484	9

Appendix Table A-4, continued.

STORET M05S14 RM 0.52

Date	Fecal Coliform (#/100ml)	Fecal Strept. (#/100ml)	E.coli (#/100ml)	As-T (ug/l)	Cd-T (ug/l)	Ca-T (mg/l)	Cr-T (ug/l)	Cu-T (ug/l)	Fe-T (ug/l)	Pb-T (ug/l)	Mg-T (mg/l)	Mn-T (ug/l)	Hg-T (ug/l)	Ni-T (ug/l)	Se-T (ug/l)	Zn-T (ug/l)	Hardness (mg/l)
07/14/93				3	K 0.2	67	K 30	K 10	2420	K 2	16	142		K 40	K 2	11	233
07/28/93	20	580	10	K 2	0.3	159	K 30	506	1060	13	41	252		K 40	K 2	118	566
08/11/93	310	790	50	K 2	K 0.2	124	K 30	111	544	18	32	566		K 40	K 2	45	441
08/25/93		670		K 4	K 0.2	175	K 30	135	505	16	40	357		K 40	2	49	602
09/08/93	380	420	260	K 2	K 0.2	59	K 30	16	1000	2	13	69		K 40	K 2	14	201
09/22/93	130	340	110	K 2	0.2	108	K 30	50	394	K 2	26	326		K 40	K 2	17	377
Average	210.0	560.0	107.5	2.5	0.21	115.3	K 30.0	138.0	987.1	8.8	28.0	285.3		K 40.0	2.0	42.3	403.3
Maximum	380	790	260	4	0.3	175	K 30	506	2420	18	41	566		K 40	2	118	602
Minimum	20	340	10	K 2	K 0.2	59	K 30	K 10	394	K 2	13	69		K 40	K 2	11	201

NOTE: K = less than
L = greater than

Appendix Table A-4, continued.

STORET M05W09 SITE LOCATION TURTLE CREEK
RIVER MILE 0.01 #66 @ MOUTH

Date	Temp (C)	D.O (mg/l)	pH (fld) (SU)	Chlorine Tot. Res. (mg/l)	Flow (cfs)	CBOD5 (mg/l)	TOC (mg/l)	COD (mg/l)	Cl (mg/l)	Conductivity (umhos/cm)	CN (ug/l)
06/30/93	20.5	7.2	7.64			1.1	K 5.0	25	74	786	
07/14/93	23.0	4.8	7.84			K 1.0	9.0	18	24	430	
07/28/93	23.8	12.0	6.92			K 1.0	K 5.0	K 10	58	779	
08/11/93	18.0	10.8				1.1	K 5.0	15	75		
08/25/93	20.0	7.0				K 1.0	K 5.0	11	81	939	
09/08/93	19.5	9.9				2.0	K 5.0	29	68	663	
09/22/93	15.0	8.5				K 1.0	K 5.0	12	76	930	
Average	19.97	8.59	7.467			1.17	5.57	17.1	65.1	754.5	
Maximum	23.8	12.0	7.84			2.0	9.0	29	81	939	
Minimum	15.0	4.8	6.92			K 1.0	K 5.0	K 10	24	430	

STORET M05W09 RM 0.01

Date	NO3-NO2-N (mg/l)	NO2-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	Oil & Grease (mg/l)	pH(lab) (SU)	Phenolics (mg/l)	P-T (mg/l)	Flt. Res. (mg/l)	TSS (mg/l)
06/30/93	0.90	0.03	K 0.05	K 0.20				0.21	482	10
07/14/93	1.07	0.08	K 0.05	0.20				0.23	306	132
07/28/93	1.43	0.02	K 0.05	K 0.20				0.12	506	K 5
08/11/93	1.57	0.08	K 0.05	0.20		8.19		0.10	590	5
08/25/93	1.47	0.05	K 0.05	0.30		7.58		0.14	586	6
09/08/93	1.04	0.02	K 0.05	0.50		7.84		0.20	416	14
09/22/93	2.23	0.06	K 0.05	K 0.20		7.65		0.06	566	5
Average	1.387	0.048	K 0.050	0.257		7.815		0.151	493.1	25.2
Maximum	2.23	0.08	K 0.05	0.50		8.19		0.23	590	132
Minimum	0.90	0.02	K 0.05	K 0.20		7.58		0.06	306	K 5

Appendix Table A-4, continued.

STORET M05W09 RM 0.01

Date	Fecal Coliform (#/100ml)	Fecal Strept. (#/100ml)	E.coli (#/100ml)	As-T (ug/l)	Cd-T (ug/l)	Ca-T (mg/l)	Cr-T (ug/l)	Cu-T (ug/l)	Fe-T (ug/l)	Pb-T (ug/l)	Mg-T (mg/l)	Mn-T (ug/l)	Hg-T (ug/l)	Ni-T (ug/l)	Se-T (ug/l)	Zn-T (ug/l)	Hardness (mg/l)
06/30/93	1120	720	790	K 2	K 0.2	94	K 30	K 10	653	K 2	24	158	K 0.20	K 40	K 2	18	334
07/14/93	4700	8400	3500	4	K 0.2	63	K 30	K 10	4780	6	14	223		K 40	K 2	72	215
07/28/93	270	160	370	K 2	K 0.2	102	K 30	K 10	170	K 2	24	92	K 0.20	K 40	K 2	K 10	354
08/11/93	240	210	K 10	K 2	K 0.2	108	K 30	K 10	169	K 2	26	130		K 40	K 2	K 10	377
08/25/93		160		K 2	K 0.2	117	K 30	K 10	273	K 2	25	217		K 40	K 2	K 10	395
09/08/93	475	280	265	K 2	K 0.2	82	K 30	K 10	675	K 2	19	73		K 40	K 2	17	283
09/22/93	430	120	320	K 2	K 0.2	117	K 30	K 10	255	K 2	26	94		K 40	K 2	K 10	399
Average	1205.8	1435.7	875.8	2.2	K 0.20	97.5	K 30.0	K 10.0	996.4	2.5	22.5	141.0	K 0.200	K 40.0	K 2.0	21.0	336.7
Maximum	4700	8400	3500	4	K 0.2	117	K 30	K 10	4780	6	26	223	K 0.20	K 40	K 2	72	399
Minimum	240	120	K 10	K 2	K 0.2	63	K 30	K 10	169	K 2	14	73	K 0.20	K 40	K 2	K 10	215

NOTE: K = less than
L = greater than

Appendix Table A-4, continued.

STORET M05S02 SITE LOCATION MUDDY CREEK
RIVER MILE 2.50 #67 MASON-MORROW RD

Date	Temp (C)	D.O (mg/l)	pH (fld) (SU)	Chlorine Tot. Res. (mg/l)	Flow (cfs)	CBOD5 (mg/l)	TOC (mg/l)	COD (mg/l)	Cl (mg/l)	Conductivity (umhos/cm)	CN (ug/l)
06/30/93	21.1	8.7	8.08			K 1.0	K 5.0	40	363	1750	6
07/15/93	15.0	8.0		0.09		1.5	6.0	41	167	1020	K 5
07/28/93	23.5	7.8	7.04			K 1.0	K 5.0	25	487	2150	K 5
08/12/93	18.5	7.6		0.07		K 1.0	K 5.0	17	550	904	K 5
08/26/93	20.5	8.9		0.14		K 1.0	5.0	14	458	2050	K 5
09/08/93						1.0	9.0	18	430	1800	
Average	19.72	8.20	7.56	0.100		1.08	5.83	25.8	409.1	1612.3	5.2
Maximum	23.5	8.9	8.08	0.14		1.5	9.0	41	550	2150	6
Minimum	15.0	7.6	7.04	0.07		K 1.0	K 5.0	14	167	904	K 5

STORET M05S02 RM 2.50

Date	NO3-NO2-N (mg/l)	NO2-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	Oil & Grease (mg/l)	pH(lab) (SU)	Phenolics (mg/l)	P-T (mg/l)	Flt. Res. (mg/l)	TSS (mg/l)
06/30/93	3.10	0.03	0.07	0.70			K 10	0.84	1060	10
07/15/93	2.13	K 0.02	K 0.05	0.60		8.16	K 10	0.22	666	15
07/28/93	3.84	0.04	0.12	0.70			29	0.78	1260	K 5
08/12/93	2.24	0.06	0.20	1.00		8.09	K 10	1.08	1300	K 5
08/26/93	1.56	0.03	0.06	0.70		8.16	K 10	0.41	1210	K 5
09/08/93	7.90	0.06	K 0.05	2.30		8.27		0.54	1110	10
Average	3.461	0.040	0.091	1.000		8.170	13.80	0.645	1101.0	8.3
Maximum	7.90	0.06	0.20	2.30		8.27	29	1.08	1300	15
Minimum	1.56	K 0.02	K 0.05	0.60		8.09	K 10	0.22	666	K 5

Appendix Table A-4, continued.

STORET M05S02 RM 2.50

Date	Fecal Coliform (#/100ml)	Fecal Strept. (#/100ml)	E.coli (#/100ml)	As-T (ug/l)	Cd-T (ug/l)	Ca-T (mg/l)	Cr-T (ug/l)	Cu-T (ug/l)	Fe-T (ug/l)	Pb-T (ug/l)	Mg-T (mg/l)	Mn-T (ug/l)	Hg-T (ug/l)	Ni-T (ug/l)	Se-T (ug/l)	Zn-T (ug/l)	Hardness (mg/l)
06/30/93	530	480	310	K 2	K 0.2	106	K 30	K 10	409	K 2	31	28	K 0.20	K 40	K 2	50	393
07/15/93	1430	870	780	2	K 0.2	85	K 30	K 10	846	K 2	22	59		K 40	K 2	14	303
07/28/93	666	405	480	K 2	K 0.2	120	K 30	K 10	139	K 2	35	32	K 0.20	K 40	K 2	40	444
08/12/93	210	240	190	K 2	K 0.2	121	K 30	K 10	236	K 2	35	42	K 0.20	K 40	K 4	32	446
08/26/93	20	340	30	K 2	K 0.2	116	K 30	486	181	K 2	33	28	K 0.20	K 40	2	75	426
09/08/93	4200	240	300	K 2	K 0.2	109	K 30	K 10	817	K 2	32	43		K 40	K 2	13	404
Average	1176.0	429.1	348.3	2.0	K 0.20	109.5	K 30.0	89.3	438.0	K 2.0	31.3	38.6	K 0.200	K 40.0	2.3	37.3	402.6
Maximum	4200	870	780	2	K 0.2	121	K 30	486	846	K 2	35	59	K 0.20	K 40	K 4	75	446
Minimum	20	240	30	K 2	K 0.2	85	K 30	K 10	139	K 2	22	28	K 0.20	K 40	K 2	13	303

NOTE: K = less than
L = greater than

Appendix Table A-4, continued.

STORET M04P10 SITE LOCATION STONELICK CR
RIVER MILE 16.74 #68 S.R. 133

Date	Temp (C)	D.O (mg/l)	pH (fld) (SU)	Chlorine Tot. Res. (mg/l)	Flow (cfs)	CBOD5 (mg/l)	TOC (mg/l)	COD (mg/l)	Cl (mg/l)	Conductivity (umhos/cm)	CN (ug/l)
07/15/93	23.0	6.2	7.45			2.9	10.0	63	7	146	
08/12/93	24.2	4.2				1.5	8.0	35	17	332	
08/26/93	27.0	2.4				1.0	9.0	26	13	284	
09/23/93	19.5	4.4				3.3	11.0	37	16	320	
Average	23.42	4.29	7.45			2.17	9.50	40.2	13.2	270.5	
Maximum	27.0	6.2	7.45			3.3	11.0	63	17	332	
Minimum	19.5	2.4	7.45			1.0	8.0	26	7	146	

STORET M04P10 RM 16.74

Date	NO3-NO2-N (mg/l)	NO2-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	Oil & Grease (mg/l)	pH(lab) (SU)	Phenolics (mg/l)	P-T (mg/l)	Flt. Res. (mg/l)	TSS (mg/l)
07/15/93	1.40	0.08	K 0.05	0.60				0.70	146	104
08/12/93	0.15	0.05	0.22	1.10		7.63		0.17	208	36
08/26/93	K 0.10	0.03	0.27	1.50		7.54		0.21	186	36
09/23/93	K 0.10	0.02	K 0.05	1.00		7.72		0.14	174	34
Average	0.437	0.045	0.147	1.049		7.630		0.305	178.5	52.5
Maximum	1.40	0.08	0.27	1.50		7.72		0.70	208	104
Minimum	K 0.10	0.02	K 0.05	0.60		7.54		0.14	146	34

Appendix Table A-4, continued.

STORET M04P10 RM 16.74

Date	Fecal Coliform (#/100ml)	Fecal Strept. (#/100ml)	E.coli (#/100ml)	As-T (ug/l)	Cd-T (ug/l)	Ca-T (mg/l)	Cr-T (ug/l)	Cu-T (ug/l)	Fe-T (ug/l)	Pb-T (ug/l)	Mg-T (mg/l)	Mn-T (ug/l)	Hg-T (ug/l)	Ni-T (ug/l)	Se-T (ug/l)	Zn-T (ug/l)	Hardness (mg/l)
07/15/93	15000	98000	7700	K 2	K 0.2	17	K 30	K 10	6900	5	5	139		K 40	K 2	40	63
08/12/93	30	40	30	3	K 0.2	38	K 30	K 10	1980	2	9	548		K 40	K 2	16	132
08/26/93				4	K 0.2	38	K 30	K 10	1800	K 2	9	475		K 40	K 2	42	132
09/23/93	15	25	15	3	K 0.2	38	K 30	K 10	1660	K 2	9	396		K 40	K 2	17	132
Average	5015.0	32688.3	2581.7	3.0	K 0.20	32.7	K 30.0	K 10.0	3085.0	2.7	8.0	389.5		K 40.0	K 2.0	28.7	114.7
Maximum	15000	98000	7700	4	K 0.2	38	K 30	K 10	6900	5	9	548		K 40	K 2	42	132
Minimum	15	25	15	K 2	K 0.2	17	K 30	K 10	1660	K 2	5	139		K 40	K 2	16	63

NOTE: K = less than
L = greater than

Appendix Table A-4, continued.

STORET M04S28 SITE LOCATION STONELICK CR
RIVER MILE 3.10 #69 DST LICK FORK

Date	Temp (C)	D.O (mg/l)	pH (fld) (SU)	Chlorine Tot. Res. (mg/l)	Flow (cfs)	CBOD5 (mg/l)	TOC (mg/l)	COD (mg/l)	Cl (mg/l)	Conductivity (umhos/cm)	CN (ug/l)
07/15/93	26.0	7.6	7.75			1.4	10.0	32	16	285	
08/12/93	22.2	4.8				1.3	K 5.0	21	26	545	
08/26/93	25.0	4.2				1.0	K 5.0	12	27	474	
09/23/93	18.8	5.4				1.7	5.0	20	22	445	
Average	23.00	5.49	7.75			1.34	6.25	21.2	22.7	437.2	
Maximum	26.0	7.6	7.75			1.7	10.0	32	27	545	
Minimum	18.8	4.2	7.75			1.0	K 5.0	12	16	285	

STORET M04S28 RM 3.10

Date	NO3-NO2-N (mg/l)	NO2-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	Oil & Grease (mg/l)	pH(lab) (SU)	Phenolics (mg/l)	P-T (mg/l)	Flt. Res. (mg/l)	TSS (mg/l)
07/15/93	0.64	0.04	0.18	0.90				0.24	206	137
08/12/93	K 0.10	0.02	K 0.05	0.30		7.92		0.15	320	78
08/26/93	K 0.10	0.02	K 0.05	0.50		7.90		0.10	294	60
09/23/93	K 0.10	K 0.02	K 0.05	0.40		7.96		0.09	248	17
Average	0.235	0.025	0.082	0.525		7.927		0.145	267.0	73.0
Maximum	0.64	0.04	0.18	0.90		7.96		0.24	320	137
Minimum	K 0.10	K 0.02	K 0.05	0.30		7.90		0.09	206	17

Appendix Table A-4, continued.

STORET M04S28 RM 3.10

Date	Fecal Coliform (#/100ml)	Fecal Strept. (#/100ml)	E.coli (#/100ml)	As-T (ug/l)	Cd-T (ug/l)	Ca-T (mg/l)	Cr-T (ug/l)	Cu-T (ug/l)	Fe-T (ug/l)	Pb-T (ug/l)	Mg-T (mg/l)	Mn-T (ug/l)	Hg-T (ug/l)	Ni-T (ug/l)	Se-T (ug/l)	Zn-T (ug/l)	Hardness (mg/l)
07/15/93	2200	6600	1300	3	K 0.2	40	K 30	K 10	4900	7	10	367		K 40	K 2	18	141
08/12/93	10	290	10	K 2	K 0.2	73	K 30	K 10	3480	3	18	658		K 40	K 2	19	256
08/26/93	55	330	60	K 2	K 0.2	62	K 30	K 10	2140	K 2	16	301		K 40	K 2	46	221
09/23/93	80	300	100	K 2	K 0.2	54	K 30	K 10	535	K 2	12	114		K 40	K 2	13	184
Average	586.2	1880.0	367.5	2.2	K 0.20	57.2	K 30.0	K 10.0	2763.7	3.5	14.0	360.0		K 40.0	K 2.0	24.0	200.5
Maximum	2200	6600	1300	3	K 0.2	73	K 30	K 10	4900	7	18	658		K 40	K 2	46	256
Minimum	10	290	10	K 2	K 0.2	40	K 30	K 10	535	K 2	10	114		K 40	K 2	13	141

NOTE: K = less than
L = greater than

Appendix Table A-4, continued.

STORET M04P09 SITE LOCATION STONELICK CR
RIVER MILE 1.00 #70 U.S. 50

Date	Temp (C)	D.O (mg/l)	pH (fld) (SU)	Chlorine Tot. Res. (mg/l)	Flow (cfs)	CBOD5 (mg/l)	TOC (mg/l)	COD (mg/l)	Cl (mg/l)	Conductivity (umhos/cm)	CN (ug/l)
07/15/93	25.5	7.5	7.87			1.3	9.0	27	19	283	
08/12/93	23.5	7.2				1.4	K 5.0	13	27	628	
08/26/93	25.0	4.0				K 1.0	K 5.0	K 10	21		
09/23/93	18.1	5.6				K 1.0	K 5.0	21	22	558	
Average	23.02	6.07	7.87			1.17	6.00	17.7	22.2	489.7	
Maximum	25.5	7.5	7.87			1.4	9.0	27	27	628	
Minimum	18.1	4.0	7.87			K 1.0	K 5.0	K 10	19	283	

STORET M04P09 RM 1.00

Date	NO3-NO2-N (mg/l)	NO2-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	Oil & Grease (mg/l)	pH(lab) (SU)	Phenolics (mg/l)	P-T (mg/l)	Flt. Res. (mg/l)	TSS (mg/l)
07/15/93	0.28	0.05	0.13	0.90				0.22	194	150
08/12/93	0.47	0.03	K 0.05	K 0.20		7.79		0.07	384	10
08/26/93	0.21	0.02	K 0.05	0.30		7.70		0.12	282	8
09/23/93	0.27	K 0.02	K 0.05	0.40		7.64		0.05	180	6
Average	0.307	0.030	0.070	0.450		7.710		0.115	260.0	43.5
Maximum	0.47	0.05	0.13	0.90		7.79		0.22	384	150
Minimum	0.21	K 0.02	K 0.05	K 0.20		7.64		0.05	180	6

Appendix Table A-4, continued.

STORET M04P09 RM 1.00

Date	Fecal Coliform (#/100ml)	Fecal Strept. (#/100ml)	E.coli (#/100ml)	As-T (ug/l)	Cd-T (ug/l)	Ca-T (mg/l)	Cr-T (ug/l)	Cu-T (ug/l)	Fe-T (ug/l)	Pb-T (ug/l)	Mg-T (mg/l)	Mn-T (ug/l)	Hg-T (ug/l)	Ni-T (ug/l)	Se-T (ug/l)	Zn-T (ug/l)	Hardness (mg/l)
07/15/93	3000	8300	3300	3	K 0.2	38	K 30	K 10	4710	2	10	331		K 40	K 2	28	136
08/12/93	110	310	90	K 2	K 0.2	98	K 30	K 10	509	K 2	16	147		K 40	K 2	51	311
08/26/93	20	250	40	K 2	K 0.2	64	K 30	K 10	393	K 2	13	163		K 40	K 2	11	213
09/23/93	70	170	30	K 2	K 0.2	83	K 30	K 10	225	K 2	14	166		K 40	K 2	20	265
Average	800.0	2257.5	865.0	2.2	K 0.20	70.7	K 30.0	K 10.0	1459.2	2.0	13.2	201.7		K 40.0	K 2.0	27.5	231.2
Maximum	3000	8300	3300	3	K 0.2	98	K 30	K 10	4710	2	16	331		K 40	K 2	51	311
Minimum	20	170	30	K 2	K 0.2	38	K 30	K 10	225	K 2	10	147		K 40	K 2	11	136

NOTE: K = less than
L = greater than

Appendix Table A-4, continued.

STORET M05S20 SITE LOCATION SYCAMORE_CR
RIVER MILE 0.40 #71 UPST SYCAMORE WWTP

Date	Temp (C)	D.O (mg/l)	pH (fld) (SU)	Chlorine Tot. Res. (mg/l)	Flow (cfs)	CBOD5 (mg/l)	TOC (mg/l)	COD (mg/l)	Cl (mg/l)	Conductivity (umhos/cm)	CN (ug/l)
06/30/93	21.5	8.7	7.79			K 1.0	K 5.0	24	65	578	
07/14/93	22.8	8.1	7.88			1.4	5.4	30	42	349	
07/28/93	27.2	9.8	7.91			K 1.0	K 5.0	K 10	65	623	
08/11/93	22.0	9.6	7.83			K 1.0	K 5.0	12	73		
08/25/93	23.4	7.6	7.86			1.0	6.4	25	32	340	
09/08/93	19.5	11.2	8.13			1.0	K 5.0	K 10	64	556	
09/22/93	17.4	11.3	8.23			K 1.0	K 5.0	17	46	519	
Average	21.97	9.47	7.947			1.05	5.27	18.2	55.2	494.2	
Maximum	27.2	11.3	8.23			1.4	6.4	30	73	623	
Minimum	17.4	7.6	7.79			K 1.0	K 5.0	K 10	32	340	

STORET M05S20 RM 0.40

Date	NO3-NO2-N (mg/l)	NO2-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	Oil & Grease (mg/l)	pH(lab) (SU)	Phenolics (mg/l)	P-T (mg/l)	Flt. Res. (mg/l)	TSS (mg/l)
06/30/93	0.20	K 0.02	K 0.05	0.20				0.09	352	K 5
07/14/93	0.92	0.04	K 0.05	0.40				0.15	238	34
07/28/93	K 0.10	K 0.02	K 0.05	K 0.20				0.10	395	K 5
08/11/93	0.14	K 0.02	K 0.05	K 0.20				0.06	436	K 5
08/25/93	0.84	0.06	K 0.05	0.80				0.14	226	34
09/08/93	K 0.10	K 0.02	K 0.05	0.30				0.09	348	K 5
09/22/93	K 0.10	K 0.02	K 0.05	K 0.20				0.06	298	K 5
Average	0.342	0.028	K 0.050	0.328				0.098	327.5	13.2
Maximum	0.92	0.06	K 0.05	0.80				0.15	436	34
Minimum	K 0.10	K 0.02	K 0.05	K 0.20				0.06	226	K 5

Appendix Table A-4, continued.

STORET M05S20 RM 0.40

Date	Fecal Coliform (#/100ml)	Fecal Strept. (#/100ml)	E.coli (#/100ml)	As-T (ug/l)	Cd-T (ug/l)	Ca-T (mg/l)	Cr-T (ug/l)	Cu-T (ug/l)	Fe-T (ug/l)	Pb-T (ug/l)	Mg-T (mg/l)	Mn-T (ug/l)	Hg-T (ug/l)	Ni-T (ug/l)	Se-T (ug/l)	Zn-T (ug/l)	Hardness (mg/l)
06/30/93	210	200	300	K 2	K 0.2	61	K 30	K 10	208	K 2	11	53	K 0.20	K 40	K 2	K 10	198
07/14/93	27000	36000	20000	K 2	K 0.2	34	K 30	K 10	1580	K 2	6	87		K 40	K 2	K 10	110
07/28/93	140	150	150	K 2	K 0.2	76	K 30	K 10	K 50	K 2	16	37		K 40	K 2	K 10	256
08/11/93	10	80	K 10	K 2	K 0.2	77	K 30	K 10	142	K 2	17	63		K 40	K 2	K 10	262
08/25/93		15200		2	K 0.2	36	K 30	K 10	4420	3	7	85		K 40	K 2	23	119
09/08/93	11000	80	8000	K 2	K 0.2	65	K 30	K 10	113	K 2	12	31		K 40	K 2	K 10	212
09/22/93	64	40		K 2	K 0.2	59	K 30	K 10	60	K 2	12	29		K 40	K 2	34	197
Average	6404.0	7392.8	5692.0	2.0	K 0.20	58.2	K 30.0	K 10.0	939.0	2.1	11.5	55.0	K 0.200	K 40.0	K 2.0	15.2	193.4
Maximum	27000	36000	20000	2	K 0.2	77	K 30	K 10	4420	3	17	87	K 0.20	K 40	K 2	34	262
Minimum	10	40	K 10	K 2	K 0.2	34	K 30	K 10	K 50	K 2	6	29	K 0.20	K 40	K 2	K 10	110

NOTE: K = less than
L = greater than

Appendix Table A-4, continued.

STORET M05S38 SITE LOCATION SYCAMOR[illegible]R
RIVER MILE 0.25 #72 SYCA[illegible]E WWTP MIXING

Date	Temp (C)	D.O (mg/l)	pH (fld) (SU)	Chlorine Tot. Res. (mg/l)	Flow (cfs)	CBOD5 (mg/l)	TOC (mg/l)	COD (mg/l)	Cl (mg/l)	Conductivity (umhos/cm)	CN (ug/l)
06/30/93	21.1	8.5	7.71	0.66		3.2	7.8	35	96	815	27
07/14/93	22.8	8.2	7.63	0.11		1.6	K 5.0	17	40	340	K 5
07/28/93	24.0	8.0	7.83	0.42		K 1.0	7.0	19	109	881	13
08/11/93	22.9	8.3	7.66	0.45		K 1.0	K 5.0	27	116		K 5
08/25/93	23.6	7.6	7.61	0.15		K 1.0	6.4	24	83	741	8
09/08/93	23.0	8.6	7.60	0.14		3.0	9.0	18	122	1000	8
09/22/93	21.3	8.9	7.62	0.45		K 1.0	7.0	25	124	992	18
Average	22.67	8.30	7.665	0.340		1.68	6.76	23.5	98.5	794.8	12.0
Maximum	24.0	8.9	7.83	0.66		3.2	9.0	35	124	1000	27
Minimum	21.1	7.6	7.60	0.11		K 1.0	K 5.0	17	40	340	K 5

STORET M05S38 RM 0.25

Date	NO3-NO2-N (mg/l)	NO2-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	Oil & Grease (mg/l)	pH(lab) (SU)	Phenolics (mg/l)	P-T (mg/l)	Flt. Res. (mg/l)	TSS (mg/l)
06/30/93	6.56	K 0.02	0.05	1.40			11	1.92	508	11
07/14/93	1.01	0.04	K 0.05	0.40			K 10	0.19	238	39
07/28/93	8.04	K 0.02	K 0.05	0.80			K 10	1.41	566	K 5
08/11/93	1.60	0.04	0.10	0.90			K 10	3.00	590	9
08/25/93	0.75	0.02	0.06	0.80			K 10	0.62	444	10
09/08/93	0.49	0.02	0.05	1.00			K 10	1.92	618	K 5
09/22/93	4.87	K 0.02	0.05	1.20			K 10	2.97	600	K 5
Average	3.331	0.025	0.058	0.928			10	1.718	509.1	12.0
Maximum	8.04	0.04	0.10	1.40			11	3.00	618	39
Minimum	0.49	K 0.02	K 0.05	0.40			K 10	0.19	238	K 5

Appendix Table A-4, continued.

STORET M05S38 RM 0.25

Date	Fecal Coliform (#/100ml)	Fecal Strept. (#/100ml)	E.coli (#/100ml)	As-T (ug/l)	Cd-T (ug/l)	Ca-T (mg/l)	Cr-T (ug/l)	Cu-T (ug/l)	Fe-T (ug/l)	Pb-T (ug/l)	Mg-T (mg/l)	Mn-T (ug/l)	Hg-T (ug/l)	Ni-T (ug/l)	Se-T (ug/l)	Zn-T (ug/l)	Hardness (mg/l)
06/30/93	90	70	40	K 2	K 0.2	66	K 30	K 10	253	K 2	16	30	K 0.20	K 40	K 2	40	231
07/14/93	19000	37000	16000	3	K 0.2	34	K 30	K 10	1630	2	6	92		K 40	K 2	12	110
07/28/93	120	K 10	10	K 2	0.2	65	K 30	K 10	K 50	K 2	18	K 10	K 0.20	K 40	K 2	31	236
08/11/93	3300	280	20	K 2	K 0.2	61	K 30	K 10	402	K 2	17	25	K 0.20	K 40	K 2	70	255
08/25/93		2400		K 2	K 0.2	54	K 30	K 10	540	K 2	13	31	K 0.20	K 40	K 2	51	188
09/08/93	11000	920	3500	K 2	K 0.2	68	K 30	K 10	K 50	K 2	18	30	K 0.20	K 40	K 2	56	244
09/22/93	420	60		K 2	K 0.2	60	K 30	K 10	K 50	K 2	16	K 10	K 0.20	K 40	K 2	63	216
Average	5655.0	5820.0	3914.0	2.1	0.20	58.2	K 30.0	K 10.0	425.0	2.0	14.8	32.5	K 0.200	K 40.0	K 2.0	46.1	211.4
Maximum	19000	37000	16000	3	0.2	68	K 30	K 10	1630	2	18	92	K 0.20	K 40	K 2	70	255
Minimum	90	K 10	10	K 2	K 0.2	34	K 30	K 10	K 50	K 2	6	K 10	K 0.20	K 40	K 2	12	110

NOTE: K = less than
L = greater than

Appendix Table A-4, continued.

STORET M05S37 SITE LOCATION SYCAMORE_CR
RIVER MILE 0.05 #73 DST SYCAMORE WWTP

Date	Temp (C)	D.O (mg/l)	pH (fld) (SU)	Chlorine Tot. Res. (mg/l)	Flow (cfs)	CBOD5 (mg/l)	TOC (mg/l)	COD (mg/l)	Cl (mg/l)	Conductivity (umhos/cm)	CN (ug/l)
06/30/93	21.0	7.3	7.78			K 1.0	5.8	26	91	807	
07/14/93	22.6	7.9	7.67			1.4	5.3	13	54	463	
07/28/93	24.0	7.2	7.91				6.0	31			
08/11/93	22.5	6.2	7.63			1.1	5.7	27	110		
08/25/93	23.5	7.1	7.70			K 1.0	7.1	25	62	586	
09/08/93	21.7	7.7	7.50			2.0	10.0	33	115	970	
09/22/93	20.5	7.8	7.64			1.0	6.0	22	116	915	
Average	22.25	7.31	7.689			1.25	6.57	25.2	91.3	748.2	
Maximum	24.0	7.9	7.91			2.0	10.0	33	116	970	
Minimum	20.5	6.2	7.50			K 1.0	5.3	13	54	463	

STORET M05S37 RM 0.05

Date	NO3-NO2-N (mg/l)	NO2-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	Oil & Grease (mg/l)	pH(lab) (SU)	Phenolics (mg/l)	P-T (mg/l)	Flt. Res. (mg/l)	TSS (mg/l)
06/30/93	5.98	0.03	K 0.05	0.90				0.15	500	11
07/14/93	2.82	0.04	K 0.05	0.50				0.74	318	32
07/28/93	7.00		0.09	0.80				2.83		
08/11/93	1.33	0.06	0.17	1.00				2.90	564	10
08/25/93	0.78	0.05	0.05	0.70				0.53	348	40
09/08/93	0.52	0.08	0.25	1.30				3.43	600	K 5
09/22/93	4.56	0.02	0.09	0.80				2.43	572	24
Average	3.284	0.047	0.107	0.857				1.858	397.0	20.3
Maximum	7.00	0.08	0.25	1.30				3.43	600	40
Minimum	0.52	0.02	K 0.05	0.50				0.15	318	K 5

Appendix Table A-4, continued.

STORET M05S37 RM 0.05

Date	Fecal Coliform (#/100ml)	Fecal Strept. (#/100ml)	E.coli (#/100ml)	As-T (ug/l)	Cd-T (ug/l)	Ca-T (mg/l)	Cr-T (ug/l)	Cu-T (ug/l)	Fe-T (ug/l)	Pb-T (ug/l)	Mg-T (mg/l)	Mn-T (ug/l)	Hg-T (ug/l)	Ni-T (ug/l)	Se-T (ug/l)	Zn-T (ug/l)	Hardness (mg/l)
06/30/93	1650	175	765	K 2	K 0.2	64	K 30	K 10	389	K 2	16	46	K 0.20	K 40	K 2	32	226
07/14/93	17000	28000	6000	K 2	K 0.2	42	K 30	K 10	2560	2	9	86		K 40	K 2	13	142
07/28/93	8640	600	7200	K 2	0.2	68	K 30	K 10	73	K 2	18	29		43	K 2	37	244
08/11/93	1280	550	220	K 2	K 0.2	61	K 30	K 10	529	K 2	19	58		K 40	K 2	66	231
08/25/93		8800		K 2	K 0.2	47	K 30	K 10	2820	K 2	11	79		K 40	K 2	47	163
09/08/93	24000	1550	230	K 2	K 0.2	70	K 30	K 10	108	K 2	18	66		K 40	K 2	41	249
09/22/93	21000	1130	7500	K 2	K 0.2	59	K 30	K 10	136	K 2	16	40		K 40	K 2	53	213
Average	12261.7	5829.2	3652.5	K 2.0	0.20	58.7	K 30.0	K 10.0	945.0	2.0	15.2	57.7	K 0.200	40.4	K 2.0	41.2	209.7
Maximum	24000	28000	7500	K 2	0.2	70	K 30	K 10	2820	2	19	86	K 0.20	43	K 2	66	249
Minimum	1280	175	220	K 2	K 0.2	42	K 30	K 10	73	K 2	9	29	K 0.20	K 40	K 2	13	142

NOTE: K = less than
L = greater than

Appendix Table A-4, continued.

STORET M04S06 SITE LOCATION EASTFORK_LMR
RIVER MILE 15.60 #74 S.R. 222

Date	Temp (C)	D.O (mg/l)	pH (fld) (SU)	Chlorine Tot. Res. (mg/l)	Flow (cfs)	CBOD5 (mg/l)	TOC (mg/l)	COD (mg/l)	Cl (mg/l)	Conductivity (umhos/cm)	CN (ug/l)
07/15/93	25.5	6.2	8.10			K 1.0	6.0	25	11	276	
08/12/93	24.0	6.4				K 1.0	K 5.0	19	14	294	
08/26/93	28.0	6.0				K 1.0	5.0	13	12	290	
09/23/93	19.5	7.8				K 1.0	6.0	25	13	296	
Average	24.25	6.59	8.10			K 1.00	5.50	20.5	12.5	289.0	
Maximum	28.0	7.8	8.10			K 1.0	6.0	25	14	296	
Minimum	19.5	6.0	8.10			K 1.0	K 5.0	13	11	276	

STORET M04S06 RM 15.60

Date	NO3-NO2-N (mg/l)	NO2-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	Oil & Grease (mg/l)	pH(lab) (SU)	Phenolics (mg/l)	P-T (mg/l)	Flt. Res. (mg/l)	TSS (mg/l)
07/15/93	0.23	K 0.02	K 0.05	0.60				0.11	196	7
08/12/93	0.23	K 0.02	K 0.05	0.50		8.09		0.08	194	K 5
08/26/93	0.18	K 0.02	K 0.05	0.50		8.09		0.08	184	6
09/23/93	0.23	K 0.02	K 0.05	0.50		7.89		0.06	168	K 5
Average	0.217	K 0.020	K 0.050	0.525		8.023		0.082	185.5	5.7
Maximum	0.23	K 0.02	K 0.05	0.60		8.09		0.11	196	7
Minimum	0.18	K 0.02	K 0.05	0.50		7.89		0.06	168	K 5

Appendix Table A-4, continued.

STORET M04S06 RM 15.60

Date	Fecal Coliform (#/100ml)	Fecal Strept. (#/100ml)	E.coli (#/100ml)	As-T (ug/l)	Cd-T (ug/l)	Ca-T (mg/l)	Cr-T (ug/l)	Cu-T (ug/l)	Fe-T (ug/l)	Pb-T (ug/l)	Mg-T (mg/l)	Mn-T (ug/l)	Hg-T (ug/l)	Ni-T (ug/l)	Se-T (ug/l)	Zn-T (ug/l)	Hardness (mg/l)
07/15/93	120	240	110	K 2	K 0.2	35	K 30	K 10	244	K 2	9	72		K 40	K 2	K 10	124
08/12/93				K 2	K 0.2	36	K 30	K 10	210	K 2	10	57		K 40	K 2	39	131
08/26/93	10	110	10	K 2	K 0.2	36	K 30	K 10	371	K 2	11	75		K 40	K 2	18	135
09/23/93	80	110	90	K 2	K 0.2	36	K 30	K 10	386	3	10	45		K 40	K 2	67	131
Average	70.0	153.3	70.0	K 2.0	K 0.20	35.7	K 30.0	K 10.0	302.7	2.2	10.0	62.2		K40.0	K 2.0	33.5	130.2
Maximum	120	240	110	K 2	K 0.2	36	K 30	K 10	386	3	11	75		K 40	K 2	67	135
Minimum	10	110	10	K 2	K 0.2	35	K 30	K 10	210	K 2	9	45		K 40	K 2	K 10	124

NOTE: K = less than
L = greater than

Appendix Table A-4, continued.

STORET M04S27 SITE LOCATION EASTFORK_LMR
RIVER MILE 13.35 #75 BATAVIA WWTP MIXING

Date	Temp (C)	D.O (mg/l)	pH (fld) (SU)	Chlorine Tot. Res. (mg/l)	Flow (cfs)	CBOD5 (mg/l)	TOC (mg/l)	COD (mg/l)	Cl (mg/l)	Conductivity (umhos/cm)	CN (ug/l)
07/15/93	25.0	5.2	8.12	0.16		K 1.0	9.0	33	23	390	6
07/29/93	29.1	7.4	8.45	0.11		1.6	6.1	24	16	321	K 5
08/12/93	24.0	6.4		0.10		1.5	7.0	30	40	543	K 5
08/26/93	27.0	5.9				K 1.0	6.0	17	17	337	K 5
09/09/93	23.0	8.4	7.83	0.48		1.0	7.0	19	45	513	8
Average	25.62	6.65	8.133	0.213		1.22	7.02	24.6	28.2	420.7	5.8
Maximum	29.1	8.4	8.45	0.48		1.6	9.0	33	45	543	8
Minimum	23.0	5.2	7.83	0.10		K 1.0	6.0	17	16	321	K 5

STORET M04S27 RM 13.35

Date	NO3-NO2-N (mg/l)	NO2-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	Oil & Grease (mg/l)	pH(lab) (SU)	Phenolics (mg/l)	P-T (mg/l)	Flt. Res. (mg/l)	TSS (mg/l)
07/15/93	3.16	0.28	1.74	3.10			K 10	0.68	264	9
07/29/93	0.47	0.03	0.18	1.00			K 10	0.12	206	6
08/12/93	3.14	0.35	1.57	2.20		7.74	K 10	0.70	316	9
08/26/93	0.81	0.12	0.81	1.40		7.93	K 10	0.34	200	K 5
09/09/93	1.71	0.52	2.20	2.70			K 10	0.31	298	K 5
Average	1.857	0.026	1.299	2.079		7.835	K 10	0.430	256.7	6.8
Maximum	3.16	0.52	2.20	3.10		7.93	K 10	0.70	316	9
Minimum	0.47	0.03	0.18	1.00		7.74	K 10	0.12	200	K 5

Appendix Table A-4, continued.

STORET M04S27 RM 13.35

Date	Fecal Coliform (#/100ml)	Fecal Strept. (#/100ml)	E.coli (#/100ml)	As-T (ug/l)	Cd-T (ug/l)	Ca-T (mg/l)	Cr-T (ug/l)	Cu-T (ug/l)	Fe-T (ug/l)	Pb-T (ug/l)	Mg-T (mg/l)	Mn-T (ug/l)	Hg-T (ug/l)	Ni-T (ug/l)	Se-T (ug/l)	Zn-T (ug/l)	Hardness (mg/l)
07/15/93	K 10	K 10	K 10	K 2	K 0.2	47	K 30	K 10	286	5	10	89		K 40	K 2	14	159
07/29/93	1230	220	880	K 2	K 0.2	40	K 30	K 10	406	K 2	11	83	K 0.20	K 40	K 2	K 10	145
08/12/93	7600	6900	5200	K 2	K 0.2	42	K 30	K 10	697	5	10	90		K 40	K 2	21	146
08/26/93	30	160	80	K 2	K 0.2	39	K 30	K 10	375	K 2	11	68		K 40	K 2	26	143
09/09/93	80	150	30	K 2	K 0.2	47	K 30	K 10	225	K 2	11	57		K 40	K 2	K 10	163
Average	1790.0	1488.0	1240.0	K 2.0	K 0.20	43.0	K 30.0	K 10.0	397.7	3.2	10.6	77.4	K 0.200	K40.0	K 2.0	16.2	151.1
Maximum	7600	6900	5200	K 2	K 0.2	47	K 30	K 10	697	5	11	90	K 0.20	K 40	K 2	26	163
Minimum	K 10	K 10	K 10	K 2	K 0.2	39	K 30	K 10	225	K 2	10	57	K 0.20	K 40	K 2	K 10	143

NOTE: K = less than
L = greater than

Appendix Table A-4, continued.

STORET M04S26 SITE LOCATION EASTFORK_LMR
RIVER MILE 12.59 #76 MIDDLE EAST FORK MIX

Date	Temp (C)	D.O (mg/l)	pH (fld) (SU)	Chlorine Tot. Res. (mg/l)	Flow (cfs)	CBOD5 (mg/l)	TOC (mg/l)	COD (mg/l)	Cl (mg/l)	Conductivity (umhos/cm)	CN (ug/l)
07/15/93	22.0	8.0	8.18	0.08		K 1.0	6.0	37	49	664	K 5
07/29/93	28.7	9.3	8.53	0.17		1.3	5.9	20	52	663	K 5
08/12/93	23.0	8.0		0.10		1.0	7.0	29	49	616	K 5
08/26/93	25.0	8.6				1.0	11.0	22	91	1090	K 5
09/09/93	22.5	9.5	7.95	0.12		1.0	6.0	15	23	416	K 5
Average	24.23	8.67	8.22	0.118		1.06	7.19	24.6	52.7	689.7	K 5.0
Maximum	28.7	9.5	8.53	0.17		1.3	11.0	37	91	1090	K 5
Minimum	22.0	8.0	7.95	0.08		K 1.0	5.9	15	23	416	K 5

STORET M04S26 RM 12.59

Date	NO3-NO2-N (mg/l)	NO2-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	Oil & Grease (mg/l)	pH(lab) (SU)	Phenolics (mg/l)	P-T (mg/l)	Flt. Res. (mg/l)	TSS (mg/l)
07/15/93	9.49	K 0.02	K 0.05	1.05			K 10	1.29	444	8
07/29/93	5.14	0.04	K 0.05	0.90			K 10	0.66	430	5
08/12/93	7.07	0.03	0.08	1.30		7.93	K 10	1.10	386	8
08/26/93	11.50	0.24	0.59	1.80		7.74	K 10	2.19	712	K 5
09/09/93	1.01	K 0.02	K 0.05	0.40			K 10	0.14	212	K 5
Average	6.841	0.070	0.164	1.090		7.835	K 10	1.075	436.7	6.1
Maximum	11.50	0.24	0.59	1.80		7.93	K 10	2.19	712	8
Minimum	1.01	K 0.02	K 0.05	0.40		7.74	K 10	0.14	212	K 5

Appendix Table A-4, continued.

STORET M04S26 RM 12.59

Date	Fecal Coliform (#/100ml)	Fecal Strept. (#/100ml)	E.coli (#/100ml)	As-T (ug/l)	Cd-T (ug/l)	Ca-T (mg/l)	Cr-T (ug/l)	Cu-T (ug/l)	Fe-T (ug/l)	Pb-T (ug/l)	Mg-T (mg/l)	Mn-T (ug/l)	Hg-T (ug/l)	Ni-T (ug/l)	Se-T (ug/l)	Zn-T (ug/l)	Hardness (mg/l)
07/15/93	1000	320	790	K 2	K 0.2	58	K 30	K 10	292	K 2	12	52		K 40	K 2	30	194
07/29/93	80	150	50	K 2	K 0.2	66	K 30	K 10	251	K 2	13	37	K 0.20	K 40	K 2	22	218
08/12/93	1070	630	919	K 2	K 0.2	60	K 30	K 10	373	2	13	64		K 40	K 2	35	203
08/26/93	K 10	K 10	K 10	K 2	K 0.2	83	K 30	K 10	98	5	15	58		46	K 2	59	269
09/09/93	70	80	70	K 2	K 0.2	41	K 30	K 10	305	K 2	11	46		K 40	K 2	K 10	148
Average	446.0	238.0	367.7	K 2.0	K 0.20	61.5	K 30.0	K 10.0	263.7	2.5	12.8	51.4	K 0.200	41.2	K 2.0	31.2	206.3
Maximum	1070	630	919	K 2	K 0.2	83	K 30	K 10	373	5	15	64	K 0.20	46	K 2	59	269
Minimum	K 10	K 10	K 10	K 2	K 0.2	41	K 30	K 10	98	K 2	11	37	K 0.20	K 40	K 2	K 10	148

NOTE: K = less than
L = greater than

Appendix Table A-4, continued.

STORET M04S03 SITE LOCATION EASTFORK_LMR
RIVER MILE 9.10 #77 OLIVE-BRANCH STONE RD

Date	Temp (C)	D.O (mg/l)	pH (fld) (SU)	Chlorine Tot. Res. (mg/l)	Flow (cfs)	CBOD5 (mg/l)	TOC (mg/l)	COD (mg/l)	Cl (mg/l)	Conductivity (umhos/cm)	CN (ug/l)
07/15/93						K 1.0	K 5.0	30	16	348	
07/29/93	29.5	9.4	8.41			2.0	5.8	35	22	398	
08/12/93	24.0	7.2				K 1.0	5.0	28	23	387	
08/26/93	28.5	5.6				K 1.0	6.0	15	20	366	
09/09/93	22.2	8.3	8.10			K 1.0	6.0	14	24	342	
Average	26.05	7.63	8.255			1.20	5.56	24.3	21.0	368.2	
Maximum	29.5	9.4	8.41			2.0	6.0	35	24	398	
Minimum	22.2	5.6	8.10			K 1.0	K 5.0	14	16	342	

STORET M04S03 RM 9.10

Date	NO3-NO2-N (mg/l)	NO2-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	Oil & Grease (mg/l)	pH(lab) (SU)	Phenolics (mg/l)	P-T (mg/l)	Flt. Res. (mg/l)	TSS (mg/l)
07/15/93	1.05	0.02	K 0.05	0.60				0.23	236	31
07/29/93	1.17	0.03	K 0.05	0.70				0.18	252	8
08/12/93	1.47	0.03	K 0.05	0.50		8.01		0.21	246	12
08/26/93	1.42	0.04	0.05	0.70		7.94		0.30	230	31
09/09/93	0.73	0.02	K 0.05	0.60				0.19	204	14
Average	1.167	0.028	0.050	0.620		7.975		0.222	233.6	19.2
Maximum	1.47	0.04	0.05	0.70		8.01		0.30	252	31
Minimum	0.73	0.02	K 0.05	0.50		7.94		0.18	204	8

Appendix Table A-4, continued.

STORET M04S03 RM 9.10

Date	Fecal Coliform (#/100ml)	Fecal Strept. (#/100ml)	E.coli (#/100ml)	As-T (ug/l)	Cd-T (ug/l)	Ca-T (mg/l)	Cr-T (ug/l)	Cu-T (ug/l)	Fe-T (ug/l)	Pb-T (ug/l)	Mg-T (mg/l)	Mn-T (ug/l)	Hg-T (ug/l)	Ni-T (ug/l)	Se-T (ug/l)	Zn-T (ug/l)	Hardness (mg/l)
07/15/93				K 2	K 0.2	43	K 30	K 10	772	K 2	10	120		K 40	K 2	12	149
07/29/93				K 2	K 0.2	47	K 30	K 10	489	K 2	12	104		K 40	K 2	K 10	167
08/12/93				K 2	K 0.2	45	K 30	K 10	592	K 2	11	99		K 40	K 2	10	158
08/26/93				K 2	K 0.2	41	K 30	K 10	1160	K 2	11	130		K 40	K 2	24	148
09/09/93				K 2	K 0.2	41	K 30	K 10	584	K 2	11	76		K 40	K 2	K 10	148
Average				K 2.0	K 0.20	43.4	K 30.0	K 10.0	719.4	K 2.0	11.0	105.8		K40.0	K 2.0	13.1	154.0
Maximum				K 2	K 0.2	47	K 30	K 10	1160	K 2	12	130		K 40	K 2	24	167
Minimum				K 2	K 0.2	41	K 30	K 10	489	K 2	10	76		K 40	K 2	K 10	148

NOTE: K = less than
L = greater than

Appendix Table A-4, continued.

STORET M04S02 SITE LOCATION EASTFORK LMR
RIVER MILE 6.57 #76 ROUNDBOTTOM RD

Date	Temp (C)	D.O (mg/l)	pH (fld) (SU)	Chlorine Tot. Res. (mg/l)	Flow (cfs)	CBOD5 (mg/l)	TOC (mg/l)	COD (mg/l)	Cl (mg/l)	Conductivity (umhos/cm)	CN (ug/l)
07/01/93	22.8	7.0	7.88			1.2	5.3	25	20	399	
07/15/93	24.5	7.0				1.5	7.0	29	16	276	
07/29/93	29.6	7.5	8.42			2.0	5.2	22	23	419	
08/12/93	24.0	6.6	8.18			K 1.0	K 5.0	26	22	411	
08/26/93	28.5	7.8	7.86			K 1.0	5.0	18	24	394	
09/09/93	24.3	9.0	8.30			. 1.0	5.0	12	24	351	
Average	25.61	7.48	8.128			1.28	5.42	22.0	21.5	375.0	
Maximum	29.6	9.0	8.42			2.0	7.0	29	24	419	
Minimum	22.8	6.6	7.86			K 1.0	K 5.0	12	16	276	

STORET M04S02 RM 6.57

Date	NO3-NO2-N (mg/l)	NO2-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	Oil & Grease (mg/l)	pH(lab) (SU)	Phenolics (mg/l)	P-T (mg/l)	Flt. Res. (mg/l)	TSS (mg/l)
07/01/93	1.70	0.03	K 0.05	0.50				0.30	272	15
07/15/93	0.64	0.06	K 0.05	0.60		8.06		0.28	210	198
07/29/93	1.04	K 0.02	K 0.05	0.60				0.21	266	10
08/12/93	2.78	0.03	K 0.05	0.40				0.23	258	12
08/26/93	1.46	0.03	K 0.05	0.60				0.24	242	26
09/09/93	0.68	K 0.02	K 0.05	0.40				0.13	212	11
Average	1.383	0.031	K 0.050	0.516		8.06		0.231	243.3	45.3
Maximum	2.78	0.06	K 0.05	0.60		8.06		0.30	272	198
Minimum	0.64	K 0.02	K 0.05	0.40		8.09		0.13	210	10

Appendix Table A-4, continued.

STORET M04S02 RM 6.57

Date	Fecal Coliform (#/100ml)	Fecal Strept. (#/100ml)	E.coli (#/100ml)	As-T (ug/l)	Cd-T (ug/l)	Ca-T (mg/l)	Cr-T (ug/l)	Cu-T (ug/l)	Fe-T (ug/l)	Pb-T (ug/l)	Mg-T (mg/l)	Mn-T (ug/l)	Hg-T (ug/l)	Ni-T (ug/l)	Se-T (ug/l)	Zn-T (ug/l)	Hardness (mg/l)
07/01/93				K 2	K 0.2	50	K 30	K 10	1180	K 2	11	145	K 0.20	K 40	K 2	11	170
07/15/93				5	K 0.2	39	K 30	K 10	6990	5	9	253		K 40	K 2	38	134
07/29/93				K 2	K 0.2	52	K 30	K 10	896	K 2	12	147		K 40	K 2	K 10	179
08/12/93				K 2	K 0.2	51	K 30	K 10	744	K 2	12	103		K 40	K 2	25	177
08/26/93				K 2	K 0.2	47	K 30	K 10	1530	K 2	11	119		K 40	K 2	24	163
09/09/93				K 2	K 0.2	42	K 30	K 10	693	K 2	11	71		K 40	K 2	K 10	150
Average				2.5	K 0.20	46.8	K 30.0	K 10.0	2005.5	2.5	11.0	139.6	K 0.200	K40.0	K 2.0	19.6	162.1
Maximum				5	K 0.2	52	K 30	K 10	6990	5	12	253	K 0.20	K 40	K 2	38	179
Minimum				K 2	K 0.2	39	K 30	K 10	693	K 2	9	71	K 0.20	K 40	K 2	K 10	134

NOTE: K = less than
L = greater than

Appendix Table A-4, continued.

STORET M04S25 SITE LOCATION EASTFORK LMR
RIVER MILE 4.85 #79 DST LOWER EAST WWTP

Date	Temp (C)	D.O (mg/l)	pH (fld) (SU)	Chlorine Tot. Res. (mg/l)	Flow (cfs)	CBOD5 (mg/l)	TOC (mg/l)	COD (mg/l)	Cl (mg/l)	Conductivity (umhos/cm)	CN (ug/l)
07/01/93	22.0	7.4	8.00	0.06		2.4	7.3	30	56	642	K 5
07/15/93	25.0	6.9		0.20		1.5	8.0	34	15	291	K 5
07/29/93	26.8	9.3	7.68	0.14		2.3	6.6	25	26	445	K 5
08/12/93	22.5	6.7	7.80	0.06		2.4	9.0	32	92	860	K 5
08/26/93	27.1	7.3	7.43	0.07		1.0	13.0	25	36	549	K 5
09/09/93	23.0	8.3	7.89	0.05		3.0	12.0	32	101	862	K 5
Average	24.39	7.64	7.76	0.096		2.09	9.31	29.6	54.3	608.1	K 5.0
Maximum	27.1	9.3	8.00	0.20		3.0	13.0	34	101	862	K 5
Minimum	22.0	6.7	7.43	0.05		1.0	6.6	25	15	291	K 5

STORET M04S25 RM 4.85

Date	NO3-NO2-N (mg/l)	NO2-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	Oil & Grease (mg/l)	pH(lab) (SU)	Phenolics (mg/l)	P-T (mg/l)	Flt. Res. (mg/l)	TSS (mg/l)
07/01/93	5.75	0.05	0.06	0.80			10	1.49	418	34
07/15/93	0.73	0.04	K 0.05	0.60		8.03	K 10	0.29	196	158
07/29/93	1.53	K 0.02	K 0.05	0.80			K 10	0.88	286	14
08/12/93	1.48	0.08	K 0.05	1.40			13	3.09	560	18
08/26/93	1.46	0.05	0.06	1.20			K 10	2.30	346	37
09/09/93	11.40	0.21	0.17	1.70			K 10	3.64	538	K 5
Average	3.724	0.075	0.073	1.083		8.03	10	1.948	390.6	44.3
Maximum	11.40	0.21	0.17	1.70		8.03	13	3.64	560	158
Minimum	0.73	K 0.02	K 0.05	0.60		8.03	K 10	0.29	196	K 5

Appendix Table A-4, continued.

STORET M04S25 RM 4.85

Date	Fecal Coliform (#/100ml)	Fecal Strept. (#/100ml)	E.coli (#/100ml)	As-T (ug/l)	Cd-T (ug/l)	Ca-T (mg/l)	Cr-T (ug/l)	Cu-T (ug/l)	Fe-T (ug/l)	Pb-T (ug/l)	Mg-T (mg/l)	Mn-T (ug/l)	Hg-T (ug/l)	Ni-T (ug/l)	Se-T (ug/l)	Zn-T (ug/l)	Hardness (mg/l)
07/01/93	3300	5900	2900	K 2	K 0.2	55	K 30	K 10	2090	2	13	144	K 0.20	K 40	K 2	45	191
07/15/93	5800	38000	3400	3	K 0.2	41	K 30	K 10	6120	5	10	289		K 40	K 2	25	144
07/29/93	150	115	125	K 2	K 0.2	55	K 30	K 10	702	K 2	12	154	K 0.20	K 40	K 2	10	187
08/12/93	2000	760	780	K 2	K 0.2	69	K 30	K 10	757	K 2	16	79	K 0.20	K 40	K 4	47	238
08/26/93	40	460	50	K 2	K 0.2	56	K 30	K 10	1890	K 2	12	131	K 0.20	K 40	K 2	38	189
09/09/93	340	380	180	K 2	K 0.2	66	K 30	13	208	K 2	16	30	K 0.20	K 40	K 2	39	231
Average	1938.3	7602.5	1239.1	2.1	K 0.20	57.0	K 30.0	10.5	1961.1	2.5	13.1	137.8	K 0.200	K40.0	2.3	34.0	196.6
Maximum	5800	38000	3400	3	K 0.2	69	K 30	13	6120	5	16	289	K 0.20	K 40	K 4	47	238
Minimum	40	115	50	K 2	K 0.2	41	K 30	K 10	208	K 2	10	30	K 0.20	K 40	K 2	10	144

NOTE: K = less than
L = greater than

Appendix Table A-4, continued.

STORET 600590 SITE LOCATION EASTFORK LMR
RIVER MILE 4.00 #81 S.R. 50 RAMP TO I-275

Date	Temp (C)	D.O (mg/l)	pH (fld) (SU)	Chlorine Tot. Res. (mg/l)	Flow (cfs)	CBOD5 (mg/l)	TOC (mg/l)	COD (mg/l)	Cl (mg/l)	Conductivity (umhos/cm)	CN (ug/l)
07/01/93	23.6	7.2	7.93			1.7	5.3	26	26	435	
07/15/93	25.0	6.8				1.6	7.0	36	19	307	
07/29/93	29.9	8.4	8.26			2.1	6.4	16	33	498	
08/12/93	24.0	6.9	7.99			1.0	K 5.0	27	33	515	
08/26/93	27.5	7.0				K 1.0	6.0	11	28	500	
09/09/93	23.0	8.9	8.02			1.0	6.0	15	33	410	
Average	25.50	7.53	8.05			1.39	5.95	21.8	28.6	444.1	
Maximum	29.9	8.9	8.26			2.1	7.0	36	33	515	
Minimum	23.0	6.8	7.93			K 1.0	K 5.0	11	19	307	

STORET 600590 RM 4.00

Date	NO3-NO2-N (mg/l)	NO2-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	Oil & Grease (mg/l)	pH(lab) (SU)	Phenolics (mg/l)	P-T (mg/l)	Flt. Res. (mg/l)	TSS (mg/l)
07/01/93	3.01	0.04	0.05	0.50				0.50	290	34
07/15/93	1.00	0.04	K 0.05	0.80		8.01		0.40	206	122
07/29/93	2.50	K 0.02	K 0.05	0.80				0.49	318	22
08/12/93	2.89	0.04	K 0.05	0.60				0.65	326	24
08/26/93	2.85	0.04	K 0.05	0.60		7.84		0.59	302	52
09/09/93	1.80	0.03	K 0.05	0.40				0.43	264	20
Average	2.341	0.035	0.050	0.616		7.925		0.510	284.3	45.6
Maximum	3.01	0.04	0.05	0.80		8.01		0.65	326	122
Minimum	1.00	K 0.02	K 0.05	0.40		7.84		0.40	206	20

Appendix Table A-4, continued.

STORET 600590 RM 4.00

Date	Fecal Coliform (#/100ml)	Fecal Strept. (#/100ml)	E.coli (#/100ml)	As-T (ug/l)	Cd-T (ug/l)	Ca-T (mg/l)	Cr-T (ug/l)	Cu-T (ug/l)	Fe-T (ug/l)	Pb-T (ug/l)	Mg-T (mg/l)	Mn-T (ug/l)	Hg-T (ug/l)	Ni-T (ug/l)	Se-T (ug/l)	Zn-T (ug/l)	Hardness (mg/l)
07/01/93	3900	2100	2700	K 2	K 0.2	51	K 30	K 10	2020	K 2	11	159	K 0.20	K 40	K 2	66	173
07/15/93	5000	46000	3800	3	K 0.2	42	K 30	K 10	5750	5	10	263		K 40	K 2	36	146
07/29/93	100	260	100	K 2	K 0.2	57	K 30	K 10	808	K 2	13	137		K 40	K 2	11	196
08/12/93	170	270	160	K 2	K 0.2	54	K 30	K 10	1030	K 2	13	118		K 40	K 2	23	188
08/26/93				K 2	K 0.2	54	K 30	K 10	2360	K 2	13	153		K 40	K 2	39	188
09/09/93	210	115	100	K 2	K 0.2	46	K 30	K 10	1130	K 2	12	97		K 40	K 2	21	164
Average	1876.0	9749.0	1372.0	2.1	K 0.20	50.6	K 30.0	K 10.0	2183.0	2.5	12.0	154.5	K 0.200	K40.0	K 2.0	32.6	175.8
Maximum	5000	46000	3800	3	K 0.2	57	K 30	K 10	5750	5	13	263	K 0.20	K 40	K 2	66	196
Minimum	100	115	100	K 2	K 0.2	42	K 30	K 10	808	K 2	10	97	K 0.20	K 40	K 2	11	146

NOTE: K = less than
L = greater than

Appendix Table A-4, continued.

STORET 610530 SITE LOCATION EASTFORK LMR
RIVER MILE 0.77 #82 CLEVELAND AVE

Date	Temp (C)	D.O (mg/l)	pH (fld) (SU)	Chlorine Tot. Res. (mg/l)	Flow (cfs)	CBOD5 (mg/l)	TOC (mg/l)	COD (mg/l)	Cl (mg/l)	Conductivity (umhos/cm)	CN (ug/l)
07/01/93	23.1	6.4	7.92			1.3	5.3	26	30	494	
07/15/93	25.2	6.1				1.3	6.0	26	21	343	
07/29/93	27.9	8.3	8.32				6.4	28			
08/12/93	24.0	6.1	8.12			1.1	K 5.0	27	37	536	
08/26/93	27.5	5.8	7.88			K 1.0	5.4	K 10	25	440	
09/09/93	22.0	7.5	8.10			1.0	6.0	14	33	416	
Average	24.94	6.70	8.068			1.14	5.68	21.8	29.2	445.8	
Maximum	27.9	8.3	8.32			1.3	6.4	28	37	536	
Minimum	22.0	5.8	7.88			K 1.0	K 5.0	K 10	21	343	

STORET 610530 RM 0.77

Date	NO3-NO2-N (mg/l)	NO2-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	Oil & Grease (mg/l)	pH(lab) (SU)	Phenolics (mg/l)	P-T (mg/l)	Flt. Res. (mg/l)	TSS (mg/l)
07/01/93	3.05	0.04	K 0.05	0.50				0.47	326	17
07/15/93	1.14	0.05	K 0.05	0.60		8.05		0.35	238	98
07/29/93	2.22		K 0.05	0.90				0.54		
08/12/93	2.50	0.04	K 0.05	0.70				0.62	338	28
08/26/93	2.03	0.06	0.05	0.60				0.43	277	54
09/09/93	1.81	0.03	K 0.05	0.40				0.48	268	31
Average	2.125	0.044	0.050	0.616		8.05		0.481	289.4	45.6
Maximum	3.05	0.06	0.05	0.90		8.05		0.62	338	98
Minimum	1.14	0.03	K 0.05	0.40		8.05		0.35	238	17

Appendix Table A-4, continued.

STORET 610530 RM 0.77

Date	Fecal Coliform (#/100ml)	Fecal Strept. (#/100ml)	E.coli (#/100ml)	As-T (ug/l)	Cd-T (ug/l)	Ca-T (mg/l)	Cr-T (ug/l)	Cu-T (ug/l)	Fe-T (ug/l)	Pb-T (ug/l)	Mg-T (mg/l)	Mn-T (ug/l)	Hg-T (ug/l)	Ni-T (ug/l)	Se-T (ug/l)	Zn-T (ug/l)	Hardness (mg/l)
07/01/93	570	230	460	K 2	K 0.2	54	K 30	K 10	1190	K 2	12	180	K 0.20	K 40	K 2	K 10	184
07/15/93	5300	24000	4400	3	K 0.2	48	K 30	K 10	4500	K 2	11	182		K 40	K 2	34	165
07/29/93	230	100	60	K 2	K 0.2	60	K 30	K 10	874	K 2	15	196		K 40	K 2	K 10	212
08/12/93	2500	250	80	K 2	K 0.2	60	K 30	K 10	1270	2	14	168		K 40	K 2	45	207
08/26/93	70	590	130	K 2	K 0.2	52	K 30	K 10	3080	K 2	12	164		K 40	K 2	25	179
09/09/93	150	140	200	K 2	K 0.2	48	K 30	K 10	1290	2	12	117		53	K 2	44	169
Average	1470.0	4218.3	888.3	2.1	K 0.20	53.6	K 30.0	K 10.0	2034.0	2.0	12.6	167.8	K 0.200	42.1	K 2.0	28.0	186.0
Maximum	5300	24000	4400	3	K 0.2	60	K 30	K 10	4500	2	15	196	K 0.20	53	K 2	45	212
Minimum	70	100	60	K 2	K 0.2	48	K 30	K 10	874	K 2	11	117	K 0.20	K 40	K 2	K 10	165

NOTE: K = less than
L = greater than

Appendix Table A-4. LITTLE MIAMI RIVER SURVEY CHEMICAL\PHYSICAL SAMPLING RESULTS1993

STORET M01P01 SITE LOCATION LITTLE_MIAMI
RIVER MILE 101.30 #1 CLIFTON RD

Date	Temp (C)	D.O (mg/l)	pH (fld) (SU)	Chlorine Tot. Res. (mg/l)	Flow (cfs)	CBOD5 (mg/l)	TOC (mg/l)	COD (mg/l)	Cl (mg/l)	Conductivity (umhos/cm)	CN (ug/l)
07/13/93	18.1	8.2	7.53			K 1.0	K 5.0	10	29	699	
08/10/93	18.1	5.1				1.4	K 5.0	13	27	797	
08/24/93	22.0	3.5				K 1.0	K 5.0	18	24	814	
09/21/93	17.0	4.2				K 1.0	K 5.0	K 10	26	794	
Average	18.79	5.25	7.530			1.10	K 5.00	12.7	26.5	776.0	
Maximum	22.0	8.2	7.53			1.4	K 5.0	18	29	814	
Minimum	17.0	3.5	7.53			K 1.0	K 5.0	K 10	24	699	

STORET M01P01 RM 101.30

Date	NO3-NO2-N (mg/l)	NO2-N (mg/l)	NH3-N (mg/l)	TKN (mg/l)	Oil & Grease (mg/l)	pH(lab) (SU)	Phenolics (mg/l)	P-T (mg/l)	Flt. Res. (mg/l)	TSS (mg/l)
07/13/93	9.00	0.05	K 0.05	0.50				0.21	496	12
08/10/93	0.47	0.02	K 0.05	0.40		8.08		K 0.05	658	5
08/24/93	0.33	0.02	K 0.05	0.20		7.97		0.23	590	6
09/21/93	K 0.10	K 0.02	K 0.05	0.40		8.09		0.10	528	11
Average	2.475	0.027	K 0.050	0.375		8.047		0.147	568.0	8.5
Maximum	9.00	0.05	K 0.05	0.50		8.09		0.23	658	12
Minimum	K 0.10	K 0.02	K 0.05	0.20		7.97		K 0.05	496	5

Appendix Table A-4, continued.

STORET M01P01 RM 101.30

Date	Fecal Coliform (#/100ml)	Fecal Strept. (#/100ml)	E.coli (#/100ml)	As-T (ug/l)	Cd-T (ug/l)	Ca-T (mg/l)	Cr-T (ug/l)	Cu-T (ug/l)	Fe-T (ug/l)	Pb-T (ug/l)	Mg-T (mg/l)	Mn-T (ug/l)	Hg-T (ug/l)	Ni-T (ug/l)	Se-T (ug/l)	Zn-T (ug/l)	Hardness (mg/l)
07/13/93	3800	3400	2400	K 2	K 0.2	90	K 30	K 10	713	K 2	37	28		K 40	K 2	30	377
08/10/93	L 60000	1250	1050	K 2	K 0.2	95	K 30	K 10	284	K 2	44	70		K 40	K 2	24	418
08/24/93	6820	3200	6200	3	K 0.2	103	K 30	K 10	417	K 2	46	119		K 40	K 2	19	447
09/21/93	2100	720	1700	K 3	K 0.2	104	K 30	K 10	670	K 2	47	95		K 40	K 2	49	453
Average	18180.0	2142.5	2837.5	2.5	K 0.20	98.0	K 30.0	K 10.0	521.0	K 2.0	43.5	78.0		K 40.0	K 2.0	30.5	423.7
Maximum	L 60000	3400	6200	3	K 0.2	104	K 30	K 10	713	K 2	47	119		K 40	K 2	49	453
Minimum	2100	720	1050	K 2	K 0.2	90	K 30	K 10	284	K 2	37	28		K 40	K 2	19	377

NOTE: K = less than
L = greater than