

# Appendix A

**Table A-1. Upper Auglaize River Watershed Water Quality Data**

DATE	Parameters (see Table A-2 for parameter names and units associated with the parameter codes used as column headings in this table)																		
	P10	P299	P400	P1002	P1027	P916	P1034	P1042	P1045	P1051	P927	P1055	P71900	P1067	P937	P1147	P929	P1092	P900
<b>AUGLAIZE RIVER</b>																			
<i>RM 108.90 Unnamed Tributary to Auglaize R</i>																			
RM 108.51 AUGLAIZE R AT HAY RD																			
6/19/2000	17.0	7.6	7.35	< 2.00	< 0.200	60	< 30.0	< 10.0	4590	< 2.00	22	43	< 0.200	< 40.0	4	< 2.00	5	24	240
7/10/2000	21.7	7.1	7.63	< 2.00	< 0.200	72	< 30.0	< 10.0	311	< 2.00	31	23		< 40.0	2	< 2.00	14	< 10.0	307
7/24/2000	17.0	4.7	7.53	2	< 0.200	79	< 30.0	< 10.0	542	< 2.00	36	151	< 0.200	< 40.0	2	< 2.00	19	10	346
7/31/2000	21.0	6.4	7.73	2	< 0.200	78	< 30.0	< 10.0	419	< 2.00	28	38	< 0.200	< 40.0	5	< 2.00	12	< 10.0	310
8/14/2000	18.5	5.4	7.45	3	< 0.200	88	< 30.0	< 10.0	509	< 2.00	36	144	< 0.200	< 40.0	3	< 2.00	17	< 10.0	368
8/21/2000	16.4	7.3	7.68	3	< 0.200	94	< 30.0	< 10.0	548	< 2.00	38	95	< 0.200	< 40.0	4	< 2.00	24	< 10.0	391
RM 106.68 AUGLAIZE R AT FAULKNER RD																			
6/19/2000	18.3	7.3	7.33	< 2.00	< 0.200	54	< 30.0	< 10.0	3830	< 2.00	19	39	< 0.200	< 40.0	4	< 2.00	5	21	213
7/10/2000	21.4	6.2	7.64	< 2.00	< 0.200	75	< 30.0	< 10.0	280	< 2.00	32	18		< 40.0	2	< 2.00	16	< 10.0	319
7/24/2000	17.7	6.3	7.81	2	< 0.200	72	< 30.0	< 10.0	252	< 2.00	36	27	< 0.200	< 40.0	2	< 2.00	19	< 10.0	328
7/31/2000	20.1	6.4	7.61	< 2.00	< 0.200	76	< 30.0	< 10.0	607	< 2.00	28	33	< 0.200	< 40.0	5	< 2.00	13	< 10.0	305
8/14/2000	20.6	6.9	7.83	3	< 0.200	81	< 30.0	< 10.0	298	< 2.00	37	43	< 0.200	< 40.0	3	< 2.00	16	< 10.0	355
8/21/2000	16.7	7.4	7.90	3	< 0.200	78	< 30.0	< 10.0	253	< 2.00	36	38	< 0.200	< 40.0	3	< 2.00	17	< 10.0	343
<i>RM 105.11 Manahan Ditch (Harrod)</i>																			
RM 103.97 AUGLAIZE R AT SR 117																			
6/19/2000	18.1	8.0	7.50	< 2.00	< 0.200	60	< 30.0	< 10.0	3340	< 2.00	22	40	< 0.200	< 40.0	5	< 2.00	6	21	240
7/10/2000	22.3	7.3	7.63	< 2.00	< 0.200	75	< 30.0	< 10.0	173	< 2.00	32	12		< 40.0	2	< 2.00	18	< 10.0	319
7/24/2000	18.8	7.6	7.90	< 2.00	< 0.200	65	< 30.0	< 10.0	133	< 2.00	36	22	< 0.200	< 40.0	3	< 2.00	32	< 10.0	310
7/31/2000	20.9	6.8	7.51	2	< 0.200	69	36	< 10.0	563	< 2.00	27	29	< 0.200	< 40.0	6	< 2.00	17	< 10.0	283
<i>RM 103.69 Unnamed Tributary to Auglaize R (Westminster)</i>																			
RM 101.72 AUGLAIZE R AT OSMAN RD																			
6/19/2000	18.8	7.5	7.38	< 2.00	< 0.200	62	< 30.0	< 10.0	2630	< 2.00	24	38	< 0.200	< 40.0	5	< 2.00	8	20	254
7/10/2000	21.8	7.9	7.47	< 2.00	< 0.200	80	< 30.0	< 10.0	185	< 2.00	35	17		< 40.0	3	< 2.00	24	< 10.0	344
7/24/2000	18.9	9.5	8.07	< 2.00	< 0.200	76	< 30.0	< 10.0	220	< 2.00	37	40	< 0.200	< 40.0	3	< 2.00	31	< 10.0	342
7/31/2000	19.4	6.2	7.26	3	< 0.200	69	< 30.0	< 10.0	330	< 2.00	31	40	< 0.200	< 40.0	10	< 2.00	168	< 10.0	300
8/14/2000	21.2	9.0	7.92	3	< 0.200	87	< 30.0	< 10.0	316	< 2.00	36	70	< 0.200	< 40.0	4	< 2.00	27	< 10.0	365
8/21/2000	18.2	9.5	8.04	3	< 0.200	75	< 30.0	< 10.0	288	< 2.00	33	50	< 0.200	< 40.0	4	< 2.00	33	< 10.0	323
<i>RM 99.78 Unnamed Tributary to Auglaize R</i>																			

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	P10	P299	P400	P1002	P1027	P916	P1034	P1042	P1045	P1051	P927	P1055	P71900	P1067	P937	P1147	P929	P1092	P900
<i>RM 97.88 AUGLAIZE R AT AMHERST RD</i>																			
6/19/2000	18.4	7.5	7.23	< 2.00	< 0.200	62	< 30.0	13	2650	< 2.00	22	44	< 0.200	< 40.0	5	< 2.00	7	30	245
7/10/2000	21.1	7.1	7.37	< 2.00	< 0.200	88	< 30.0	< 10.0	242	< 2.00	31	22	< 2.00	< 40.0	2	< 2.00	19	< 10.0	347
7/24/2000	19.2	7.6	7.93	< 2.00	< 0.200	81	< 30.0	< 10.0	265	< 2.00	36	51	< 0.200	< 40.0	2	< 2.00	23	< 10.0	350
7/31/2000	18.9	5.8	7.09	3	< 0.200	71	< 30.0	< 10.0	476	< 2.00	32	56	< 0.200	< 40.0	7	< 2.00	98	< 10.0	309
8/14/2000	20.6	6.9	7.83	3	< 0.200	90	< 30.0	< 10.0	335	< 2.00	36	83	< 0.200	< 40.0	4	< 2.00	23	< 10.0	373
8/21/2000	17.7	7.7	7.92	3	< 0.200	78	< 30.0	< 10.0	306	< 2.00	34	61	< 0.200	< 40.0	4	< 2.00	34	< 10.0	335
<i>RM 96.77 Wrestle Ck</i>																			
<i>RM 96.72 Camp Ck</i>																			
<i>RM 96.68 AUGLAIZE R AT GREELY CHAPEL RD</i>																			
7/10/2000	21.4	6.8	7.83	< 2.00	< 0.200	88	< 30.0	< 10.0	291	< 2.00	34	23	< 2.00	< 40.0	2	< 2.00	15	< 10.0	360
7/24/2000	17.8	7.7	8.02	< 2.00	< 0.200	82	< 30.0	< 10.0	304	< 2.00	36	40	< 0.200	< 40.0	2	< 2.00	20	< 10.0	353
7/31/2000	21.4	6.0	7.69	3	< 0.200	69	87	< 10.0	909	< 2.00	30	50	< 0.200	< 40.0	7	< 2.00	79	13	296
8/9/2000	22.1	6.2	8.42	3	< 0.200	75	< 30.0	< 10.0	507	< 2.00	29	52	< 0.200	< 40.0	5	< 2.00	18	< 10.0	307
8/14/2000	18.8	7.0	7.93	3	< 0.200	87	< 30.0	< 10.0	430	< 2.00	35	60	< 2.00	< 40.0	4	< 2.00	20	< 10.0	361
8/22/2000	17.0	8.0	8.00	3	< 0.200	79	< 30.0	< 10.0	401	< 2.00	33	50	< 0.200	< 40.0	4	< 2.00	27	12	333
10/18/2000	12.8	7.3	7.75	2	< 0.200	75	< 30.0	< 10.0	776	< 2.00	28	30	< 2.00	< 40.0	5	< 2.00	23	11	302
11/15/2000	3.8	11.6	8.15	2	< 0.200	98	< 30.0	< 10.0	194	< 2.00	33	16	< 2.00	< 40.0	3	< 2.00	20	< 10.0	381
<i>RM 93.68 Virginia Ck</i>																			
<i>RM 92.89 Blackhoof Ck (Uniopolis via Huffman Ck)</i>																			
<i>RM 92.48 AUGLAIZE R AT MUDSOCK RD</i>																			
7/10/2000	21.4	7.2	8.29	< 2.00	< 0.200	96	< 30.0	< 10.0	667	< 2.00	34	38	< 2.00	< 40.0	2	< 2.00	15	11	380
7/24/2000	18.3	7.7	8.04	< 2.00	< 0.200	89	< 30.0	< 10.0	305	< 2.00	37	45	< 0.200	< 40.0	2	< 2.00	20	< 10.0	374
7/31/2000	21.6	6.5	7.99	2	< 0.200	79	< 30.0	< 10.0	964	< 2.00	34	77	< 0.200	< 40.0	3	< 2.00	24	10	337
8/14/2000	19.3	6.2	7.78	3	< 0.200	87	< 30.0	< 10.0	685	< 2.00	34	67	< 2.00	< 40.0	4	< 2.00	20	< 10.0	357
8/22/2000	17.9	7.4	7.95	3	< 0.200	82	< 30.0	< 10.0	533	< 2.00	33	53	< 0.200	< 40.0	4	< 2.00	31	< 10.0	341
<i>RM 89.89 Dry Run</i>																			
<i>RM 87.34 AUGLAIZE R AT DIXIE HWY</i>																			
7/12/2000	20.1	7.0	8.02	< 2.00	< 0.200	91	< 30.0	< 10.0	988	< 2.00	37	27	< 2.00	< 40.0	2	< 2.00	18	< 10.0	380
7/25/2000	19.5	7.3	7.96	< 2.00	< 0.200	88	< 30.0	< 10.0	289	< 2.00	38	53	< 0.200	< 40.0	3	< 2.00	20	< 10.0	376
8/1/2000	21.1	6.5	7.78	2	< 0.200	74	59	< 10.0	1160	< 2.00	32	63	< 0.200	< 40.0	4	< 2.00	23	18	316
8/15/2000	21.6	5.2	7.65	3	< 0.200	81	< 30.0	< 10.0	598	< 2.00	33	77	< 0.200	< 40.0	5	< 2.00	23	< 10.0	338
8/21/2000	17.0	6.5	8.00	3	< 0.200	86	< 30.0	< 10.0	713	< 2.00	36	62	< 0.200	< 40.0	5	< 2.00	25	< 10.0	363

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	P10	P299	P400	P1002	P1027	P916	P1034	P1042	P1045	P1051	P927	P1055	P71900	P1067	P937	P1147	P929	P1092	P900
<i>RM 86.57 Quaker Run</i>																			
RM 85.30 AUGLAIZE R DST HAMILTON ST																			
7/12/2000	22.4	7.4	8.01	< 2.00	< 0.200	96	< 30.0	< 10.0	712	< 2.00	40	41		< 40.0	3	< 2.00	39	< 10.0	404
7/25/2000	22.3	10.0	7.98	< 2.00	< 0.200	87	< 30.0	< 10.0	494	< 2.00	43	52	< 0.200	< 40.0	3	< 2.00	63	< 10.0	394
8/1/2000	22.6	6.4	---	2	< 0.200	63	< 30.0	< 10.0	900	3	26	66	< 0.200	< 40.0	3	< 2.00	33	14	264
8/15/2000	23.7	8.4	7.56	3	< 0.200	92	< 30.0	< 10.0	520	< 2.00	39	67	< 0.200	< 40.0	5	< 2.00	70	< 10.0	390
8/21/2000	20.8	7.5	8.01	3	< 0.200	86	< 30.0	< 10.0	1370	< 2.00	37	94	< 0.200	< 40.0	5	< 2.00	63	< 10.0	367
RM 84.81 WAPAKONETA WWTP MIX ZONE																			
6/21/2000																			
7/12/2000	22.3	8.0	8.01	< 2.00	< 0.200	84	< 30.0	< 10.0	410	< 2.00	36	20		< 40.0	5	< 2.00	101	< 10.0	358
7/25/2000	22.0	8.5	7.85	< 2.00	< 0.200	80	< 30.0	< 10.0	445	< 2.00	38	55	< 0.200	< 40.0	5	< 2.00	108	< 10.0	356
8/1/2000	22.2	7.0	---	< 2.00	< 0.200	59	< 30.0	< 10.0	600	< 2.00	23	35	< 0.200	< 40.0	4	< 2.00	70	10	242
8/15/2000	23.0	7.9	7.27	< 2.00	< 0.200	58	< 30.0	< 10.0	1080	< 2.00	23	26	< 0.200	< 40.0	10	< 2.00	257	25	240
8/21/2000	20.9	7.7	7.83	3	< 0.200	80	< 30.0	< 10.0	610	< 2.00	34	54	< 0.200	< 40.0	6	< 2.00	96	< 10.0	340
RM 84.10 AUGLAIZE R ADJ GREENLAWN CEMETERY																			
7/12/2000	22.0	8.4	8.07	< 2.00	< 0.200	90	< 30.0	< 10.0	393	< 2.00	37	19		< 40.0	3	< 2.00	57	13	377
7/25/2000	21.1	8.3	7.91	2	< 0.200	78	< 30.0	< 10.0	237	< 2.00	38	41	< 0.200	< 40.0	5	< 2.00	110	< 10.0	351
8/1/2000	22.5	6.5	---	< 2.00	< 0.200	58	< 30.0	< 10.0	552	< 2.00	24	47	< 0.200	< 40.0	3	< 2.00	51	10	244
8/15/2000	22.4	6.1	7.33	3	< 0.200	82	< 30.0	< 10.0	492	< 2.00	35	54	< 0.200	< 40.0	6	< 2.00	125	< 10.0	349
8/21/2000	18.8	6.7	7.93	3	< 0.200	80	< 30.0	< 10.0	372	< 2.00	34	45	< 0.200	< 40.0	5	< 2.00	102	< 10.0	340
<i>RM 83.37 Pusheta Ck</i>																			
RM 80.29 AUGLAIZE R AT GLYNWOOD RD																			
7/11/2000	23.1	9.2	8.08	< 2.00	< 0.200	89	< 30.0	< 10.0	432	< 2.00	34	21		< 40.0	3	< 2.00	42	< 10.0	362
7/27/2000	25.9	11.7	8.19	3	< 0.200	76	56	< 10.0	612	< 2.00	37	46		< 40.0	5	< 2.00	121	< 10.0	342
8/2/2000	24.0	7.0	7.47	< 2.00	< 0.200	70	54	< 10.0	781	< 2.00	27	45		< 40.0	4	< 2.00	53	11	286
8/16/2000	25.3	10.2	8.21	3	< 0.200	80	< 30.0	< 10.0	393	2	32	44	< 0.200	< 40.0	5	< 2.00	103	11	332
8/24/2000	22.8	6.5	7.55	3	< 0.200	82	< 30.0	< 10.0	386	< 2.00	34	46	< 0.200	< 40.0	6	< 2.00	110	< 10.0	345
RM 75.50 AUGLAIZE R AT SR 197																			
6/22/2000																			
7/11/2000	22.3	8.3	7.92	< 2.00	< 0.200	90	< 30.0	< 10.0	506	< 2.00	37	22		< 40.0	3	< 2.00	38	< 10.0	377
7/27/2000	24.0	15.3	7.88	< 2.00	< 0.200	65	58	< 10.0	915	< 2.00	39	72		< 40.0	4	< 2.00	105	12	323
8/2/2000	23.8	6.2	7.84	2	< 0.200	68	< 30.0	< 10.0	859	< 2.00	28	45		< 40.0	4	< 2.00	49	< 10.0	285
8/16/2000	24.3	7.8	8.08	3	< 0.200	83	< 30.0	< 10.0	663	< 2.00	35	40	< 0.200	< 40.0	5	< 2.00	82	12	351
8/24/2000	22.4	7.0	7.70	2	< 0.200	85	< 30.0	< 10.0	623	< 2.00	38	49	< 0.200	< 40.0	5	< 2.00	93	< 10.0	369

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<i>RM 74.72 Auglaize R at CR 190</i>																			
6/22/2000	20.9	6.7	7.59	< 2.00	< 0.200	52	< 30.0	10	7290	4	18	87	< 0.200	< 40.0	6	< 2.00	8	39	204
7/11/2000	22.8	6.8	7.82	< 2.00	< 0.200	92	< 30.0	< 10.0	658	< 2.00	36	32		< 40.0	3	< 2.00	42	19	378
7/27/2000	24.2	11.2	8.58	< 2.00	< 0.200	65	58	< 10.0	986	< 2.00	41	72		< 40.0	4	< 2.00	103	11	331
8/2/2000	24.3	5.9	7.81	2	< 0.200	71	60	< 10.0	784	< 2.00	29	48		< 40.0	4	< 2.00	52	15	297
8/16/2000	25.2	9.0	8.23	3	< 0.200	78	< 30.0	< 10.0	423	< 2.00	35	32	< 0.200	< 40.0	5	< 2.00	83	15	339
8/24/2000	22.3	7.2	7.73	2	< 0.200	85	< 30.0	< 10.0	597	< 2.00	38	43	< 0.200	< 40.0	5	< 2.00	93	< 10.0	369
<i>RM 72.08 Twomile Ck</i>																			
<i>RM 71.63 Sims Run</i>																			
<i>RM 71.08 Auglaize R at Place Rd</i>																			
6/22/2000	21.2	7.0	7.56	2	< 0.200	51	< 30.0	11	8120	5	18	103	< 0.200	< 40.0	6	< 2.00	7	45	201
7/11/2000	22.5	7.7	7.83	< 2.00	< 0.200	91	< 30.0	< 10.0	592	< 2.00	34	28		< 40.0	3	< 2.00	34	< 10.0	367
7/27/2000	25.1	7.3	8.03	2	< 0.200	61	53	< 10.0	1030	< 2.00	40	131		< 40.0	4	< 2.00	88	12	317
8/2/2000	23.5	6.5	7.78	2	< 0.200	74	< 30.0	< 10.0	906	< 2.00	31	63		< 40.0	4	< 2.00	61	< 10.0	312
8/9/2000	23.3	6.3	8.47	2	< 0.200	82	< 30.0	< 10.0	1110	< 2.00	35	72	< 0.200	< 40.0	6	< 2.00	89	< 10.0	349
8/16/2000	21.8	7.0	8.13	3	< 0.200	78	< 30.0	< 10.0	473	< 2.00	34	45	< 0.200	< 40.0	5	< 2.00	75	14	335
8/24/2000	22.7	6.5	7.74	3	< 0.200	89	< 30.0	< 10.0	618	< 2.00	41	51	< 0.200	< 40.0	6	< 2.00	103	< 10.0	391
<i>RM 67.78 Buck Run</i>																			
<i>RM 66.84 Auglaize R at Conant Rd</i>																			
6/22/2000	21.3	7.1	7.59	3	< 0.200	51	< 30.0	12	9330	5	17	124	< 0.200	< 40.0	7	< 2.00	7	52	197
7/11/2000	22.5	7.6	7.89	< 2.00	< 0.200	91	< 30.0	< 10.0	675	< 2.00	34	30		< 40.0	3	< 2.00	34	< 10.0	367
7/27/2000	23.6	6.0	7.90	2	< 0.200	60	55	< 10.0	1400	< 2.00	40	204		< 40.0	4	< 2.00	98	< 10.0	314
8/2/2000	23.2	6.5	7.92	3	< 0.200	88	< 30.0	< 10.0	1230	< 2.00	38	92		< 40.0	5	< 2.00	92	< 10.0	376
8/16/2000	23.4	7.1	8.07	3	< 0.200	73	< 30.0	< 10.0	395	< 2.00	34	54	< 0.200	< 40.0	5	< 2.00	77	11	322
8/24/2000	22.3	6.0	7.77	2	< 0.200	83	< 30.0	< 10.0	994	< 2.00	38	82	< 0.200	< 40.0	6	< 2.00	102	< 10.0	364
<i>RM 63.54 Unnamed Tributary to Auglaize R</i>																			
<i>RM 62.84 Auglaize R at Shaffer Rd</i>																			
7/11/2000	24.1	7.2	8.26	< 2.00	< 0.200	91	< 30.0	< 10.0	1160	< 2.00	34	50		< 40.0	4	< 2.00	31	< 10.0	367
7/25/2000	23.1	6.4	7.95	2	< 0.200	59	< 30.0	< 10.0	1090	< 2.00	38	178	< 0.200	< 40.0	4	< 2.00	62	< 10.0	304
8/1/2000	20.8	6.6	7.82	3	< 0.200	64	< 30.0	< 10.0	1170	< 2.00	39	142	< 0.200	< 40.0	5	< 2.00	81	< 10.0	320
8/9/2000	24.0	5.8	9.33	3	< 0.200	80	< 30.0	< 10.0	1150	< 2.00	34	93	< 0.200	< 40.0	5	< 2.00	65	< 10.0	340
8/15/2000	25.5	9.8	8.37	3	< 0.200	69	< 30.0	< 10.0	1220	< 2.00	36	101	< 0.200	< 40.0	5	< 2.00	86	< 10.0	320
8/22/2000	19.4	6.8	8.02	3	< 0.200	87	< 30.0	< 10.0	1160	< 2.00	38	95	< 0.200	< 40.0	6	< 2.00	95	10	374

# Appendix A

## Table A-1. Upper Auglaize River Watershed Water Quality Data

DATE	Parameters (see Table A-2 for parameter names and units associated with the parameter codes used as column headings in this table)																		
	P10	P299	P400	P1002	P1027	P916	P1034	P1042	P1045	P1051	P927	P1055	P71900	P1067	P937	P1147	P929	P1092	P900
<i>RM 62.31 Sixmile Ck (Spencerville)</i>																			
RM 60.40 AUGLAIZE R AT ZION CHURCH RD																			
7/11/2000	23.4	7.1	7.95	< 2.00	< 0.200	92	< 30.0	< 10.0	823	< 2.00	33	41		< 40.0	4	< 2.00	34	< 10.0	366
7/25/2000	22.1	7.1	7.89	2	< 0.200	61	< 30.0	< 10.0	1000	< 2.00	38	151	< 0.200	< 40.0	4	< 2.00	62	10	309
8/1/2000	22.6	6.1	7.66	3	< 0.200	69	< 30.0	< 10.0	1660	< 2.00	40	138	< 0.200	< 40.0	5	< 2.00	81	10	337
8/15/2000	23.6	8.2	8.25	3	< 0.200	76	< 30.0	< 10.0	1180	< 2.00	37	92	< 0.200	< 40.0	6	< 2.00	92	< 10.0	342
8/22/2000	18.9	6.9	7.89	3	< 0.200	86	< 30.0	< 10.0	1360	< 2.00	38	93	< 0.200	< 40.0	5	< 2.00	87	< 10.0	371
RM 58.20 AUGLAIZE R AT PIQUAD RD																			
6/26/2000	22.8	6.8	7.59	2	< 0.200	73	< 30.0	< 10.0	4470	3	23	88	< 0.200	< 40.0	5	< 2.00	17	27	277
7/11/2000	24.4	8.1	8.44	3	< 0.200	89	< 30.0	< 10.0	958	< 2.00	33	42		< 40.0	4	< 2.00	36	< 10.0	358
7/25/2000	22.2	8.2	8.21	< 2.00	< 0.200	63	< 30.0	< 10.0	770	< 2.00	38	138	< 0.200	< 40.0	4	< 2.00	59	< 10.0	314
8/1/2000	23.1	6.6	7.48	3	< 0.200	70	< 30.0	< 10.0	1150	< 2.00	40	135	< 0.200	< 40.0	5	< 2.00	80	10	340
8/9/2000	23.6	5.5	9.06	3	< 0.200	80	< 30.0	< 10.0	1140	< 2.00	34	91	< 0.200	< 40.0	5	< 2.00	61	< 10.0	340
8/15/2000	24.6	10.8	8.48	< 2.00	< 0.200	73	< 30.0	< 10.0	1030	< 2.00	34	88	< 0.200	< 40.0	5	< 2.00	85	< 10.0	322
8/22/2000	19.8	7.7	8.12	3	< 0.200	87	< 30.0	< 10.0	1100	< 2.00	38	84	< 0.200	< 40.0	5	< 2.00	85	12	374
10/18/2000	13.4	7.2	7.72	3	< 0.200	78	< 30.0	< 10.0	571	< 2.00	31	78		< 40.0	6	< 2.00	49	13	322
11/15/2000	5.4	11.9	8.22	2	< 0.200	85	< 30.0	< 10.0	361	< 2.00	35	24		< 40.0	6	< 2.00	46	< 10.0	356
<i>RM 55.51 Pigeon Run</i>																			
RM 52.68 AUGLAIZE R AT LINCOLN HWY																			
6/26/2000	23.4	7.0	7.56	< 2.00	< 0.200	64	< 30.0	< 10.0	5180	5	20	93	< 0.200	< 40.0	5	< 2.00	12	30	242
7/11/2000	24.8	9.1	8.29	< 2.00	< 0.200	88	< 30.0	< 10.0	537	< 2.00	31	23		< 40.0	4	< 2.00	27	< 10.0	347
7/25/2000	23.1	9.0	8.20	2	< 0.200	65	< 30.0	< 10.0	298	< 2.00	38	84	< 0.200	< 40.0	4	< 2.00	65	< 10.0	319
8/1/2000	23.0	8.9	7.55	3	< 0.200	66	< 30.0	< 10.0	586	< 2.00	37	98	< 0.200	< 40.0	4	< 2.00	70	< 10.0	317
8/9/2000	23.6	6.2	8.19	3	< 0.200	76	< 30.0	< 10.0	577	< 2.00	33	56	< 0.200	< 40.0	5	< 2.00	66	< 10.0	326
8/15/2000	25.2	10.1	8.44	< 2.00	< 0.200	71	< 30.0	< 10.0	410	< 2.00	32	52	< 0.200	< 40.0	5	< 2.00	81	< 10.0	309
8/22/2000	20.7	8.7	8.29	3	< 0.200	80	< 30.0	< 10.0	600	< 2.00	39	56	< 0.200	< 40.0	5	< 2.00	91	14	360
<i>RM 47.02 Jennings Ck (Delphos)</i>																			
RM 46.10 AUGLAIZE R ADJ SR 189																			
6/28/2000	20.3	7.5	7.64	< 2.00	< 0.200	82	< 30.0	< 10.0	3700	2	26	75	< 0.200	< 40.0	4	< 2.00	17	21	312
7/13/2000	22.6	7.5	8.16	2	< 0.200	90	< 30.0	< 10.0	1040	< 2.00	32	44		< 40.0	5	< 2.00	35	13	356
7/26/2000	22.9	7.5	8.05	2	< 0.200	72	< 30.0	< 10.0	1040	< 2.00	40	99	< 0.200	< 40.0	7	< 2.00	75	10	344
8/3/2000	21.9	4.7	7.73	4	< 0.200	67	< 30.0	< 10.0	955	< 2.00	31	101	< 0.200	< 40.0	7	< 2.00	59	10	295
8/17/2000	21.5	7.0	8.19	3	< 0.200	82	< 30.0	< 10.0	1290	< 2.00	38	107	< 0.200	< 40.0	8	< 2.00	87	< 10.0	361
8/24/2000	22.4	5.4	7.71	3	< 0.200	79	< 30.0	< 10.0	2260	< 2.00	39	113	< 0.200	< 40.0	8	< 2.00	97	14	358

# Appendix A

**Table A-1. Upper Auglaize River Watershed Water Quality Data**

DATE	Parameters (see Table A-2 for parameter names and units associated with the parameter codes used as column headings in this table)																		
	P10	P299	P400	P1002	P1027	P916	P1034	P1042	P1045	P1051	P927	P1055	P71900	P1067	P937	P1147	P929	P1092	P900
<i>RM 44.90 Big Run</i>																			
RM 39.57 AUGLAIZE R AT SR 224																			
7/13/2000	22.2	7.4	8.08	< 2.00	< 0.200	86	< 30.0	< 10.0	1270	< 2.00	30	44		< 40.0	4	< 2.00	30	< 10.0	338
7/26/2000	22.9	7.0	8.21	< 2.00	< 0.200	67	< 30.0	< 10.0	534	< 2.00	39	137	< 0.200	< 40.0	6	< 2.00	68	10	328
8/3/2000	22.7	6.0	8.08	3	< 0.200	80	< 30.0	< 10.0	898	< 2.00	40	104	< 0.200	< 40.0	7	< 2.00	74	< 10.0	364
8/9/2000	23.8	5.8	7.65	3	< 0.200	76	< 30.0	< 10.0	1500	< 2.00	33	102	< 0.200	< 40.0	5	< 2.00	69	12	326
8/17/2000	21.8	5.7	8.19	4	< 0.200	78	< 30.0	< 10.0	1380	< 2.00	38	122	< 0.200	< 40.0	8	< 2.00	84	14	351
8/24/2000	22.2	5.3	8.34	3	< 0.200	73	< 30.0	< 10.0	1700	< 2.00	37	131	< 0.200	< 40.0	7	< 2.00	87	10	335
10/18/2000	14.2	8.1	7.91	2	< 0.200	82	< 30.0	< 10.0	431	< 2.00	33	28		< 40.0	9	< 2.00	65	17	341
11/15/2000	4.8	12.2	8.33	3	< 0.200	104	< 30.0	< 10.0	152	< 2.00	39	13		< 40.0	8	< 2.00	90	< 10.0	420
RM 33.93 AUGLAIZE R AT CR M																			
6/28/2000	21.4	7.5	7.71	< 2.00	< 0.200	80	< 30.0	< 10.0	3020	2	25	64	< 0.200	< 40.0	4	< 2.00	16	18	303
7/13/2000	23.1	8.0	8.17	2	< 0.200	87	< 30.0	< 10.0	1570	< 2.00	28	51		< 40.0	4	< 2.00	29	25	332
7/26/2000	22.2	7.4	7.97	2	< 0.200	69	< 30.0	< 10.0	817	< 2.00	38	173	< 0.200	< 40.0	5	< 2.00	59	< 10.0	329
8/3/2000	21.0	6.7	7.57	3	< 0.200	78	32	< 10.0	1670	< 2.00	40	151	< 0.200	< 40.0	7	< 2.00	82	< 10.0	359
8/17/2000	21.5	5.9	8.12	4	< 0.200	79	< 30.0	< 10.0	1610	< 2.00	36	122	< 0.200	< 40.0	7	< 2.00	76	22	346
8/24/2000	22.5	6.9	8.10	3	< 0.200	70	< 30.0	< 10.0	1940	< 2.00	39	162	< 0.200	< 40.0	10	< 2.00	102	14	335
<i>RM 33.26 Ottawa River</i>																			
<i>RM 30.53 Unnamed Tributary to Auglaize R</i>																			
RM 28.50 AUGLAIZE R AT SR 114																			
7/13/2000	23.9	10.9	8.62	3	< 0.200	87	< 30.0	< 10.0	961	< 2.00	31	42		< 40.0	5	< 2.00	56	< 10.0	345
7/26/2000	21.4	8.8	8.21	3	< 0.200	90	< 30.0	< 10.0	964	< 2.00	36	88	< 0.200	< 40.0	7	< 4.00	102	10	373
8/3/2000	20.4	5.7	6.68	3	< 0.200	70	< 30.0	< 10.0	1570	< 2.00	29	111	< 0.200	< 40.0	7	< 2.00	80	14	294
8/9/2000	23.7	6.3	7.94	3	< 0.200	78	< 30.0	< 10.0	1860	< 2.00	27	101	< 0.200	< 40.0	6	< 2.00	61	< 10.0	306
8/17/2000	22.3	7.1	8.43	4	< 0.200	88	< 30.0	< 10.0	1660	2	34	114	< 0.200	< 40.0	8	< 2.00	108	19	360
8/24/2000	23.6	9.0	8.56	3	< 0.200	75	< 30.0	< 10.0	1560	< 2.00	31	105	< 0.200	< 40.0	8	< 2.00	91	< 10.0	315
<i>RM 28.00 Lapp Ditch (Cloverdale)</i>																			
<i>RM 26.20 Blanchard River</i>																			
<i>RM 25.51 Unnamed Tributary to Auglaize R (Dupont)</i>																			

# Appendix A

**Table A-1. Upper Auglaize River Watershed Water Quality Data**

DATE	Parameters (see Table A-2 for parameter names and units associated with the parameter codes used as column headings in this table)																		
	P10	P299	P400	P1002	P1027	P916	P1034	P1042	P1045	P1051	P927	P1055	P71900	P1067	P937	P1147	P929	P1092	P900
<b>RM 19.30 AUGLAIZE R AT SR 613</b>																			
7/13/2000	25.9	11.2	8.59	2	< 0.200	85	< 30.0	< 10.0	899	< 2.00	26	33		< 40.0	4	< 2.00	29	19	319
7/26/2000	23.1	12.1	7.86	2	< 0.200	81	< 30.0	< 10.0	973	< 2.00	33	82	< 0.200	< 40.0	5	< 2.00	44	< 10.0	338
8/3/2000	18.2	6.0	5.79	2	< 0.200	68	< 30.0	< 10.0	3000	3	22	85	< 0.200	< 40.0	7	< 2.00	37	19	260
8/9/2000	22.7	6.3	7.92	3	< 0.200	72	< 30.0	< 10.0	5650	5	23	128	< 0.200	< 40.0	6	< 2.00	23	23	274
8/24/2000	25.0	14.5	8.64	2	< 0.200	79	< 30.0	< 10.0	1270	< 2.00	32	77	< 0.200	< 40.0	8	< 2.00	85	< 10.0	329
10/18/2000	14.0	7.0	7.80	3	< 0.200	88	< 30.0	< 10.0	1420	< 2.00	32	59		< 40.0	8	< 2.00	84	21	352
11/15/2000	6.5	10.6	8.12	3	< 0.200	92	< 30.0	< 10.0	438	< 2.00	37	28		< 40.0	7	< 2.00	58	< 10.0	382
<i>RM 18.77 Prairie Ck (Oakdale)</i>																			
<b>AUGLAIZE R TRIB I (108.90)</b>																			
<b>RM 0.28 AUGLAIZE R TRIB I (108.90) AT FAULKNER RD</b>																			
6/19/2000	16.9	8.1	7.46	< 2.00	< 0.200	61	< 30.0	< 10.0	4440	2	22	44	< 0.200	< 40.0	4	< 2.00	6	27	243
7/10/2000	21.8	7.1	7.77	< 2.00	< 0.200	68	< 30.0	< 10.0	181	< 2.00	32	10		< 40.0	2	< 2.00	15	28	302
7/24/2000	17.6	4.6	7.71	< 2.00	< 0.200	57	< 30.0	< 10.0	440	< 2.00	33	65	< 0.200	< 40.0	2	< 2.00	24	13	278
7/31/2000	20.9	6.9	7.83	< 2.00	< 0.200	76	< 30.0	< 10.0	324	< 2.00	27	15	< 0.200	< 40.0	5	< 2.00	11	< 10.0	301
8/14/2000	18.2	3.7	7.51	3	< 0.200	74	< 30.0	< 10.0	362	< 2.00	35	93	< 0.200	< 40.0	3	< 2.00	20	< 10.0	329
8/21/2000	15.0	5.0	7.74	3	< 0.200	82	< 30.0	10	350	< 2.00	36	66	< 0.200	< 40.0	4	< 2.00	25	13	353
<b>MANAHAN DITCH</b>																			
<b>RM 1.75 MANAHAN DITCH AT PHILLIPS RD</b>																			
6/19/2000	18.6	7.8	7.30	< 2.00	< 0.200	60	< 30.0	< 10.0	1340	< 2.00	19	22	< 0.200	< 40.0	5	< 2.00	11	12	228
7/10/2000	23.2	7.1	7.71	3	< 0.200	73	< 30.0	< 10.0	152	< 2.00	29	21		< 40.0	3	< 2.00	45	< 10.0	302
7/24/2000	17.2	6.9	7.54	5	< 0.200	71	< 30.0	< 10.0	698	< 2.00	37	148	< 0.200	< 40.0	4	< 2.00	77	< 10.0	330
7/31/2000	21.9	6.0	6.51	5	< 0.200	87	96	< 10.0	870	< 2.00	32	61	< 0.200	< 40.0	6	< 2.00	59	14	349
8/14/2000	20.7	6.7	7.64	5	< 0.200	88	< 30.0	< 10.0	228	< 2.00	37	93	< 0.200	< 40.0	5	< 2.00	79	< 10.0	372
8/21/2000	16.5	7.5	7.80	4	< 0.200	82	< 30.0	< 10.0	160	< 2.00	35	36	< 0.200	< 40.0	6	< 2.00	87	< 10.0	349
<b>MANAHAN DITCH TRIB (2.91)</b>																			
<b>RM 0.45 MANAHAN DITCH TRIB (2.91) DST HARROD LAGOONS</b>																			
6/19/2000	20.0	6.7	7.75	< 2.00	< 0.200	77	< 30.0	< 10.0	596	< 2.00	28	55	< 0.200	< 40.0	9	< 2.00	128	14	308
7/10/2000	24.4	4.1	8.46	3	< 0.200	71	< 30.0	< 10.0	1010	< 2.00	31	76		< 40.0	7	< 2.00	152	10	305
7/24/2000	20.1	5.3	9.05	3	< 0.200	65	< 30.0	< 10.0	186	< 2.00	33	35	< 0.200	< 40.0	9	< 2.00	226	< 10.0	298
7/31/2000	23.8	4.7	8.64	3	< 0.200	68	< 30.0	< 10.0	351	< 2.00	33	44	< 0.200	< 40.0	8	< 2.00	176	< 10.0	306
8/14/2000	22.1	3.5	8.70	3	< 0.200	66	< 30.0	< 10.0	228	< 2.00	37	30	< 0.200	< 40.0	11	< 2.00	279	< 10.0	317
8/21/2000	20.0	3.9	8.55	2	< 0.200	80	< 30.0	11	99	< 2.00	40	51	< 0.200	< 40.0	14	< 2.00	314	< 10.0	364

# Appendix A

**Table A-1. Upper Auglaize River Watershed Water Quality Data**

DATE	Parameters (see Table A-2 for parameter names and units associated with the parameter codes used as column headings in this table)															P1147	P929	P1092	P900
	P10	P299	P400	P1002	P1027	P916	P1034	P1042	P1045	P1051	P927	P1055	P71900	P1067	P937				
<b>AUGLAIZE R TRIB II (103.69) - Westminster Trib</b>																			
RM 0.44 AUGLAIZE R TRIB II (103.69) ADJ CEMETARY																			
6/19/2000	16.7	7.0	7.05	< 2.00	< 0.200	71	< 30.0	< 10.0	1990	< 2.00	21	60	< 0.200	< 40.0	4	< 2.00	33	20	264
7/10/2000	20.3	4.3	6.93	< 2.00	< 0.200	131	< 30.0	< 10.0	203	< 2.00	41	74	< 0.200	< 40.0	4	< 2.00	200	23	496
7/24/2000	16.6	5.6	7.65	3	< 0.200	155	< 30.0	< 10.0	128	< 2.00	62	35	< 0.200	< 40.0	6	< 2.00	349	30	642
7/31/2000	19.8	3.3	7.07	4	< 0.200	87	33	12	885	< 2.00	48	124	< 0.200	< 40.0	37	< 2.00	1050	23	415
8/14/2000	18.3	4.7	7.49	4	< 0.200	97	< 30.0	< 10.0	299	< 2.00	33	67	< 0.200	< 40.0	7	< 2.00	114	24	378
8/21/2000	15.5	5.2	7.49	4	< 0.200	80	< 30.0	< 10.0	505	< 2.00	28	102	< 0.200	< 40.0	6	< 2.00	89	25	315
RM 0.25 AUGLAIZE R TRIB II (103.69) UST SR 117																			
6/19/2000	17.2	6.9	7.13	< 2.00	< 0.200	68	< 30.0	< 10.0	2580	< 2.00	22	73	< 0.200	< 40.0	5	< 2.00	40	17	260
7/10/2000	21.8	8.4	7.20	3	< 0.200	121	< 30.0	< 10.0	918	< 2.00	35	112	< 0.200	< 40.0	4	< 2.00	198	30	446
7/24/2000	20.4	2.4	9.25	4	< 0.200	65	< 30.0	< 10.0	224	< 2.00	26	72	< 0.200	< 40.0	6	< 2.00	398	38	269
7/31/2000	21.6	3.6	7.35	3	< 0.200	74	< 30.0	< 10.0	434	< 2.00	27	85	< 0.200	< 40.0	14	< 2.00	243	< 10.0	296
8/14/2000	23.1	1.9	9.59	4	< 0.200	76	< 30.0	< 10.0	259	< 2.00	22	51	< 0.200	< 40.0	11	< 2.00	510	< 10.0	280
8/21/2000	17.6	6.2	7.74	3	< 0.200	94	< 30.0	< 10.0	769	< 2.00	30	125	< 0.200	< 40.0	7	< 2.00	158	14	358
RM 0.17 AUGLAIZE R TRIB II (103.69) DST MCPHERON RD																			
6/19/2000	19.9	6.6	7.27	< 2.00	< 0.200	53	< 30.0	< 10.0	3590	< 2.00	19	96	< 0.200	< 40.0	6	< 2.00	40	22	210
7/10/2000	20.4	3.9	6.89	3	< 0.200	136	< 30.0	< 10.0	845	< 2.00	45	253	< 0.200	< 40.0	5	< 2.00	309	10	525
7/24/2000	18.1	0.5	7.53	4	< 0.200	114	< 30.0	10	1090	< 2.00	43	225	< 0.200	< 40.0	8	< 2.00	2200	23	462
7/31/2000	---	0.9	---	5	< 0.200	92	< 30.0	10	773	< 2.00	50	146	< 0.200	< 40.0	38	< 2.00	979	20	436
8/14/2000	20.2	0.1	8.13	3	< 0.200	159	< 30.0	< 10.0	822	< 2.00	62	330	< 0.200	< 40.0	13	< 2.00	639	19	652
8/21/2000	17.9	2.5	7.35	< 2.00	< 0.200	144	< 30.0	11	812	< 2.00	51	279	< 0.200	< 40.0	9	< 2.00	351	14	570
<b>AUGLAIZE R TRIB III (99.78)</b>																			
RM 0.60 AUGLAIZE R TRIB III (99.78) AT OSMAN RD																			
6/19/2000	20.0	7.5	7.44	< 2.00	< 0.200	60	< 30.0	< 10.0	2540	< 2.00	25	46	< 0.200	< 40.0	5	< 2.00	7	18	253
7/10/2000	19.9	7.7	7.38	< 2.00	< 0.200	86	< 30.0	< 10.0	393	< 2.00	35	48	< 0.200	< 40.0	2	< 2.00	13	< 10.0	359
7/24/2000	17.2	9.5	8.06	< 2.00	< 0.200	80	< 30.0	< 10.0	297	< 2.00	35	56	< 0.200	< 40.0	2	< 2.00	12	< 10.0	344
7/31/2000	17.5	7.8	7.14	3	< 0.200	80	< 30.0	< 10.0	371	< 2.00	34	62	< 0.200	< 40.0	3	< 2.00	13	< 10.0	340
8/14/2000																			
8/21/2000	15.4	7.5	7.98	2	< 0.200	87	< 30.0	10	318	< 2.00	36	70	< 0.200	< 40.0	3	< 2.00	13	< 10.0	365



# Appendix A

Table A-1. Upper Auglaize River Watershed Water Quality Data

DATE	Parameters (see Table A-2 for parameter names and units associated with the parameter codes used as column headings in this table)																		
	P10	P299	P400	P1002	P1027	P916	P1034	P1042	P1045	P1051	P927	P1055	P71900	P1067	P937	P1147	P929	P1092	P900
<b>WRESTLE CK</b>																			
RM 4.69 WRESTLE CK AT GRAHAM RD																			
6/20/2000	17.4	9.3	7.88	< 2.00	< 0.200	90	< 30.0	< 10.0	276	< 2.00	32	15	< 0.200	< 40.0	2	< 2.00	12	10	356
7/10/2000	20.2	7.4	8.04	< 2.00	< 0.200	90	< 30.0	< 10.0	113	< 2.00	34	19	< 0.200	< 40.0	2	< 2.00	18	< 10.0	365
7/24/2000	16.7	6.7	7.91	2	< 0.200	89	< 30.0	< 10.0	140	< 2.00	37	71	< 0.200	< 40.0	2	< 2.00	17	< 10.0	374
7/31/2000	20.1	7.4	8.04	2	< 0.200	75	< 30.0	< 10.0	238	< 2.00	28	25	< 0.200	< 40.0	4	< 2.00	22	< 10.0	302
8/14/2000	18.2	6.6	7.49	3	< 0.200	86	< 30.0	< 10.0	226	< 2.00	36	94	< 0.200	< 40.0	3	< 2.00	18	< 10.0	363
8/22/2000	16.6	7.9	8.01	2	< 0.200	82	< 30.0	< 10.0	179	< 2.00	33	87	< 0.200	< 40.0	3	< 2.00	23	< 10.0	341
RM 0.34 WRESTLE CK AT RIVER RD																			
6/20/2000	18.6	8.9	7.73	< 2.00	< 0.200	89	< 30.0	< 10.0	350	< 2.00	34	30	< 0.200	< 40.0	3	< 2.00	9	< 10.0	362
7/10/2000	21.4	7.3	7.74	< 2.00	< 0.200	85	< 30.0	< 10.0	230	< 2.00	37	37	< 0.200	< 40.0	2	< 2.00	12	< 10.0	365
7/24/2000	17.2	7.1	7.75	< 2.00	< 0.200	79	< 30.0	< 10.0	326	< 2.00	38	78	< 0.200	< 40.0	2	< 2.00	12	27	354
7/31/2000	21.2	7.2	7.94	< 2.00	< 0.200	86	< 30.0	< 10.0	197	< 2.00	36	55	< 0.200	< 40.0	3	< 2.00	12	12	363
8/14/2000	18.4	6.1	7.59	2	< 0.200	89	< 30.0	< 10.0	419	< 2.00	39	102	< 0.200	< 40.0	3	< 2.00	11	< 10.0	383
8/22/2000	17.0	6.8	7.80	2	< 0.200	84	< 30.0	< 10.0	399	< 2.00	38	90	< 0.200	< 40.0	3	< 2.00	12	< 10.0	366
<b>CAMP CK</b>																			
RM 2.30 CAMP CK AT YODER RD																			
6/19/2000	18.8	7.2	7.35	< 2.00	< 0.200	77	< 30.0	< 10.0	1480	< 2.00	20	49	< 0.200	< 40.0	5	< 2.00	15	10	275
7/10/2000	19.0	5.8	6.99	< 2.00	< 0.200	107	< 30.0	< 10.0	487	< 2.00	29	55	< 0.200	< 40.0	4	< 2.00	34	< 10.0	387
7/24/2000	19.7	8.6	7.93	< 2.00	< 0.200	118	< 30.0	< 10.0	327	< 2.00	28	99	< 0.200	< 40.0	2	< 2.00	10	< 10.0	410
7/31/2000	14.9	6.9	6.35	3	< 0.200	106	34	< 10.0	1150	< 2.00	27	180	< 0.200	< 40.0	4	< 2.00	54	< 10.0	376
RM 0.60 CAMP CK AT AMHERST RD																			
6/19/2000	19.8	7.1	7.27	< 2.00	< 0.200	88	< 30.0	< 10.0	1330	< 2.00	23	66	< 0.200	< 40.0	5	< 2.00	22	15	314
7/10/2000	21.3	5.7	7.19	2	< 0.200	118	< 30.0	< 10.0	809	< 2.00	28	144	< 0.200	< 40.0	3	< 2.00	21	11	410
7/24/2000	19.5	7.0	7.79	2	< 0.200	121	< 30.0	< 10.0	556	< 2.00	28	135	< 0.200	< 40.0	3	< 2.00	11	17	417
7/31/2000	18.9	5.2	5.92	4	< 0.200	120	< 30.0	< 10.0	528	< 2.00	26	239	< 0.200	< 40.0	3	< 2.00	14	< 10.0	407
8/14/2000	21.0	5.8	7.76	4	< 0.200	120	< 30.0	< 10.0	732	< 2.00	27	236	< 0.200	< 40.0	5	< 2.00	30	< 10.0	411
8/21/2000	19.2	7.7	7.78	3	< 0.200	84	< 30.0	< 10.0	1080	< 2.00	22	127	< 0.200	< 40.0	7	< 2.00	55	10	300
<b>VIRGINIA CK</b>																			
RM 1.41 VIRGINIA CK AT BUCKLAND HOLDEN RD																			
6/20/2000	19.1	10.0	7.89	< 2.00	< 0.200	88	< 30.0	< 10.0	395	< 2.00	36	32	< 0.200	< 40.0	2	< 2.00	11	< 10.0	368
7/10/2000	20.9	11.9	8.32	2	< 0.200	86	< 30.0	< 10.0	164	< 2.00	37	58	< 0.200	< 40.0	3	< 2.00	21	< 10.0	367
7/24/2000	17.8	8.9	7.75	4	< 0.200	92	< 30.0	< 10.0	260	< 2.00	41	131	< 0.200	< 40.0	3	< 2.00	24	< 10.0	398
7/31/2000	20.5	7.4	7.82	5	< 0.200	83	< 30.0	< 10.0	273	< 2.00	35	75	< 0.200	< 40.0	4	< 2.00	14	< 10.0	351
8/14/2000	17.4	7.0	7.40	4	< 0.200	88	< 30.0	< 10.0	283	< 2.00	35	120	< 0.200	< 40.0	3	< 2.00	13	< 10.0	364
8/22/2000	16.2	7.5	7.67	3	< 0.200	83	< 30.0	< 10.0	224	< 2.00	34	90	< 0.200	< 40.0	4	< 2.00	12	< 10.0	347

# Appendix A

**Table A-1. Upper Auglaize River Watershed Water Quality Data**

DATE	Parameters (see Table A-2 for parameter names and units associated with the parameter codes used as column headings in this table)															P1147	P929	P1092	P900
	P10	P299	P400	P1002	P1027	P916	P1034	P1042	P1045	P1051	P927	P1055	P71900	P1067	P937				
<b>BLACKHOOF CK</b>																			
RM 3.28 BLACKHOOF CK UST BLANK PIKE RD																			
6/20/2000	16.9	9.4	7.68	< 2.00	< 0.200	109	< 30.0	< 10.0	315	< 2.00	40	29	< 0.200	< 40.0	2	< 2.00	13	16	437
7/10/2000	19.0	7.1	8.47	< 2.00	< 0.200	107	< 30.0	< 10.0	273	< 2.00	36	31	< 0.200	< 40.0	2	< 2.00	17	< 10.0	415
7/24/2000	16.7	8.4	7.75	< 2.00	< 0.200	98	< 30.0	< 10.0	571	< 2.00	36	83	< 0.200	< 40.0	2	< 2.00	13	< 10.0	393
7/31/2000	18.6	6.5	7.79	< 2.00	< 0.200	102	33	< 10.0	789	< 2.00	36	55	< 0.200	< 40.0	3	< 2.00	18	< 10.0	403
8/14/2000	17.7	7.7	6.48	3	< 0.200	102	< 30.0	< 10.0	595	< 2.00	37	61	< 0.200	< 40.0	2	< 2.00	16	< 10.0	407
8/22/2000	16.2	7.6	7.79	2	< 0.200	105	< 30.0	< 10.0	392	< 2.00	37	63	< 0.200	< 40.0	3	< 2.00	13	< 10.0	414
RM 0.78 BLACKHOOF CK AT HENGSTLER RD																			
6/20/2000	18.9	10.6	7.84	< 2.00	< 0.200	110	< 30.0	< 10.0	278	< 2.00	41	32	< 0.200	< 40.0	2	< 2.00	13	< 10.0	444
7/10/2000	20.4	10.0	8.51	< 2.00	< 0.200	104	< 30.0	< 10.0	222	< 2.00	38	23	< 0.200	< 40.0	2	< 2.00	15	< 10.0	416
7/24/2000	18.4	12.0	8.03	< 2.00	< 0.200	101	< 30.0	< 10.0	289	< 2.00	38	39	< 0.200	< 40.0	2	< 2.00	15	< 10.0	409
7/31/2000	21.0	9.6	8.08	< 2.00	< 0.200	106	39	< 10.0	685	< 2.00	38	41	< 0.200	< 40.0	3	< 2.00	16	< 10.0	421
8/14/2000	18.7	9.6	7.76	2	< 0.200	107	< 30.0	< 10.0	250	< 2.00	39	33	< 0.200	< 40.0	3	< 2.00	17	< 10.0	428
8/22/2000	17.0	9.4	7.96	< 2.00	< 0.200	114	< 30.0	< 10.0	117	< 2.00	40	34	< 0.200	< 40.0	3	< 2.00	20	< 10.0	449
<i>RM 0.50 Huffman Ck (Uniopolis)</i>																			
<b>HUFFMAN CK</b>																			
RM 1.69 HUFFMAN CK AT MILL ST																			
6/20/2000	19.4	11.0	7.81	< 2.00	< 0.200	92	< 30.0	< 10.0	171	< 2.00	39	< 10.0	< 0.200	< 40.0	2	< 2.00	11	11	390
7/10/2000	20.4	7.5	8.89	< 2.00	< 0.200	93	< 30.0	< 10.0	176	< 2.00	35	19	< 0.200	< 40.0	2	< 2.00	16	< 10.0	376
7/24/2000	20.1	7.9	7.34	2	< 0.200	94	< 30.0	< 10.0	661	< 2.00	43	47	< 0.200	< 40.0	3	< 2.00	27	< 10.0	412
7/31/2000	20.1	4.6	7.54	3	< 0.200	99	< 30.0	< 10.0	454	< 2.00	42	39	< 0.200	< 40.0	7	< 2.00	35	< 10.0	420
8/14/2000	20.0	5.7	7.21	2	< 0.200	103	< 30.0	< 10.0	499	< 2.00	44	61	< 0.200	< 40.0	4	< 2.00	22	< 10.0	438
8/22/2000	17.0	5.4	7.52	3	< 0.200	108	< 30.0	11	465	< 2.00	44	58	< 0.200	< 40.0	6	< 2.00	23	< 10.0	451
RM 1.63 HUFFMAN CK AT UNIOPOLIS - SR 65																			
6/20/2000	19.4	10.1	7.85	< 2.00	< 0.200	91	< 30.0	< 10.0	153	< 2.00	39	< 10.0	< 0.200	< 40.0	2	< 2.00	11	10	388
7/10/2000	20.2	6.7	8.39	< 2.00	< 0.200	93	< 30.0	< 10.0	277	< 2.00	39	25	< 0.200	< 40.0	3	< 2.00	38	< 10.0	393
7/24/2000	17.8	8.7	7.54	< 2.00	< 0.200	93	< 30.0	< 10.0	757	< 2.00	43	45	< 0.200	< 40.0	3	< 2.00	28	< 10.0	409
7/31/2000	20.2	4.5	7.61	3	< 0.200	98	53	< 10.0	953	< 2.00	41	51	< 0.200	< 40.0	7	< 2.00	65	12	414
8/14/2000	18.5	4.3	7.19	3	< 0.200	100	< 30.0	< 10.0	934	< 2.00	43	99	< 0.200	< 40.0	5	< 2.00	61	< 10.0	427
8/22/2000	16.9	4.5	7.51	3	< 0.200	104	< 30.0	< 10.0	532	< 2.00	42	80	< 0.200	< 40.0	7	< 2.00	60	< 10.0	433

# Appendix A

**Table A-1. Upper Auglaize River Watershed Water Quality Data**

DATE	Parameters (see Table A-2 for parameter names and units associated with the parameter codes used as column headings in this table)																		
	P10	P299	P400	P1002	P1027	P916	P1034	P1042	P1045	P1051	P927	P1055	P71900	P1067	P937	P1147	P929	P1092	P900
<b>RM 0.33 HUFFMAN CK AT TOWNLINE-LIMA RD</b>																			
6/20/2000	19.0	8.8	7.78	< 2.00	< 0.200	90	< 30.0	< 10.0	358	< 2.00	39	17	< 0.200	< 40.0	3	< 2.00	18	13	385
7/10/2000	20.1	7.4	8.50	< 2.00	< 0.200	94	< 30.0	< 10.0	220	< 2.00	39	18		< 40.0	2	< 2.00	29	< 10.0	395
7/24/2000	17.9	11.7	8.02	< 2.00	< 0.200	93	< 30.0	< 10.0	222	< 2.00	42	20	< 0.200	< 40.0	2	< 2.00	26	< 10.0	405
7/31/2000	20.2	6.6	7.88	3	< 0.200	95	49	< 10.0	555	< 2.00	41	17	< 0.200	< 40.0	6	< 2.00	50	< 10.0	406
8/14/2000	18.6	7.1	7.31	3	< 0.200	100	< 30.0	< 10.0	212	< 2.00	43	27		< 40.0	4	< 2.00	41	< 10.0	427
8/22/2000	16.2	5.9	7.71	3	< 0.200	104	< 30.0	< 10.0	129	< 2.00	44	23	< 0.200	< 40.0	5	< 2.00	45	< 10.0	441
<b>DRY RUN</b>																			
<b>RM 0.27 DRY RUN AT SR 67</b>																			
6/20/2000	21.0	10.4	7.84	< 2.00	< 0.200	90	< 30.0	< 10.0	674	< 2.00	34	18	< 0.200	< 40.0	2	< 2.00	9	11	365
7/10/2000	21.8	6.7	9.79	< 2.00	< 0.200	76	< 30.0	< 10.0	211	< 2.00	38	15		< 40.0	2	< 2.00	19	< 10.0	346
7/24/2000	17.6	6.0	7.60	4	< 0.200	49	< 30.0	< 10.0	1100	< 2.00	38	150	< 0.200	< 40.0	2	< 2.00	29	< 10.0	279
7/31/2000	21.3	4.2	7.78	5	< 0.200	50	< 30.0	< 10.0	534	< 2.00	37	181	< 0.200	< 40.0	5	< 2.00	33	10	277
8/14/2000	18.5	5.6	6.92	5	< 0.200	84	< 30.0	< 10.0	365	< 2.00	40	74		< 40.0	10	< 2.00	31	< 10.0	374
8/22/2000	17.1	6.1	7.59	4	< 0.200	79	< 30.0	< 10.0	276	< 2.00	38	46	< 0.200	< 40.0	8	< 2.00	40	< 10.0	354
<b>QUAKER RUN</b>																			
<b>RM 0.08 QUAKER RUN AT SR 67</b>																			
6/21/2000	20.4	6.5	7.46	3	0.2	52	< 30.0	< 10.0	13900	7	23	194	< 0.200	< 40.0	6	< 2.00	12	69	224
7/12/2000	19.6	7.9	8.01	< 2.00	< 0.200	68	< 30.0	< 10.0	134	< 2.00	37	< 10.0		< 40.0	2	< 2.00	31	< 10.0	322
7/25/2000	18.6	8.5	7.95	2	< 0.200	67	< 30.0	< 10.0	151	< 2.00	34	< 10.0	< 0.200	< 40.0	3	< 2.00	39	< 10.0	307
8/1/2000	20.7	7.0	7.84	2	< 0.200	70	< 30.0	< 10.0	230	< 2.00	34	19	< 0.200	< 40.0	3	< 2.00	30	< 10.0	315
8/15/2000	20.9	7.3	7.86	3	< 0.200	66	< 30.0	< 10.0	390	< 2.00	35	24	< 0.200	< 40.0	3	< 2.00	38	< 10.0	309
8/21/2000	16.4	8.3	7.96	3	< 0.200	68	< 30.0	< 10.0	402	< 2.00	37	23	< 0.200	< 40.0	3	< 2.00	30	< 10.0	322
<b>PUSHETA CK</b>																			
<b>RM 12.42 PUSHETA CK AT ASHBURN RD</b>																			
6/21/2000	19.4	3.3	8.19	< 2.00	< 0.200	48	< 30.0	< 10.0	9320	4	15	86	< 0.200	< 40.0	5	< 2.00	< 5.00	44	182
7/12/2000	17.8	8.7	7.75	< 2.00	< 0.200	109	< 30.0	< 10.0	203	< 2.00	39	15		< 40.0	< 2.00	< 2.00	6	< 10.0	433
7/25/2000	16.9	9.0	8.02	2	< 0.200	118	< 30.0	< 10.0	112	< 2.00	38	24	< 0.200	< 40.0	< 2.00	< 2.00	5	< 10.0	451
8/1/2000	21.3	7.0	---	3	< 0.200	110	< 30.0	< 10.0	140	< 2.00	34	40	< 0.200	< 40.0	4	< 2.00	6	< 10.0	415
8/15/2000	19.5	6.9	7.71	3	< 0.200	112	< 30.0	< 10.0	171	< 2.00	37	30	< 0.200	< 40.0	2	< 2.00	6	< 10.0	432
8/21/2000	16.3	7.9	8.57	2	< 0.200	122	< 30.0	< 10.0	57	< 2.00	38	23	< 0.200	< 40.0	4	< 2.00	17	< 10.0	461

# Appendix A

**Table A-1. Upper Auglaize River Watershed Water Quality Data**

DATE	Parameters (see Table A-2 for parameter names and units associated with the parameter codes used as column headings in this table)																		
	P10	P299	P400	P1002	P1027	P916	P1034	P1042	P1045	P1051	P927	P1055	P71900	P1067	P937	P1147	P929	P1092	P900
<i>RM 10.58 PUSHETA CK AT TOWNLINE RD</i>																			
6/21/2000	19.2	4.2	8.01	< 2.00	< 0.200	58	< 30.0	< 10.0	9070	4	18	88	< 0.200	< 40.0	4	< 2.00	< 5.00	47	219
7/12/2000	20.7	8.6	7.88	< 2.00	< 0.200	109	< 30.0	< 10.0	309	< 2.00	38	17		< 40.0	< 2.00	< 2.00	9	< 10.0	429
7/25/2000	19.4	9.7	8.07	2	< 0.200	123	< 30.0	< 10.0	320	< 2.00	39	50	< 0.200	< 40.0	2	< 2.00	8	< 10.0	468
8/1/2000	21.5	6.0	---	3	< 0.200	91	< 30.0	< 10.0	511	< 2.00	29	44	< 0.200	< 40.0	5	< 2.00	16	< 10.0	347
8/15/2000	21.3	7.6	7.68	4	< 0.200	115	< 30.0	< 10.0	279	< 2.00	38	66	0.285	< 40.0	2	< 2.00	10	< 10.0	444
8/21/2000	17.8	7.1	8.05	3	< 0.200	125	< 30.0	< 10.0	509	< 2.00	40	59	< 0.200	< 40.0	4	< 2.00	11	11	477
<i>RM 8.58 PUSHETA CK AT FRYBURG SHELBY RD</i>																			
6/21/2000	19.3	5.8	7.62	< 2.00	< 0.200	61	< 30.0	< 10.0	8180	4	19	85	< 0.200	< 40.0	5	< 2.00	< 5.00	42	230
7/12/2000	19.3	8.4	7.87	< 2.00	< 0.200	104	< 30.0	< 10.0	166	< 2.00	38	18		< 40.0	2	< 2.00	10	< 10.0	416
7/25/2000	17.2	8.3	7.66	< 2.00	< 0.200	112	< 30.0	< 10.0	201	< 2.00	40	38	< 0.200	< 40.0	2	< 2.00	9	< 10.0	444
8/1/2000	20.1	7.7	---	3	< 0.200	95	< 30.0	< 10.0	199	< 2.00	32	27	< 0.200	< 40.0	5	< 2.00	13	< 10.0	369
8/15/2000	20.0	9.1	7.49	2	< 0.200	112	< 30.0	< 10.0	289	< 2.00	41	56	< 0.200	< 40.0	3	< 2.00	12	< 10.0	448
8/21/2000	16.3	9.2	7.80	< 2.00	< 0.200	113	< 30.0	< 10.0	213	< 2.00	40	48	< 0.200	< 40.0	4	< 2.00	17	10	447
<i>RM 2.87 Pusheta Ck Tributary</i>																			
<i>RM 2.85 PUSHETA CK DST HARDIN PIKE</i>																			
7/12/2000	20.4	10.9	8.21	< 2.00	< 0.200	101	< 30.0	< 10.0	278	< 2.00	40	12		< 40.0	3	< 2.00	52	< 10.0	417
7/25/2000	19.8	12.9	8.21	< 2.00	< 0.200	137	< 30.0	< 10.0	187	< 2.00	40	15	< 0.200	< 40.0	5	< 2.00	129	< 10.0	507
8/1/2000	21.9	9.3	---	2	< 0.200	97	42	< 10.0	745	< 2.00	31	22	< 0.200	< 40.0	5	< 2.00	75	10	370
8/15/2000	21.4	10.1	7.93	2	< 0.200	147	< 30.0	< 10.0	299	< 2.00	41	18	< 0.200	< 40.0	6	< 2.00	148	< 10.0	536
8/21/2000	16.3	10.5	8.17	< 2.00	< 0.200	105	< 30.0	< 10.0	291	< 2.00	40	20	< 0.200	< 40.0	4	< 2.00	35	< 10.0	427
<i>RM 0.53 Owl Ck</i>																			
<i>RM 0.35 PUSHETA CK AT CR 33A</i>																			
6/21/2000	20.0	6.6	7.24	3	0.3	50	< 30.0	12	17500	9	19	247	< 0.200	< 40.0	8	< 2.00	6	86	203
7/12/2000	20.0	10.2	8.11	< 2.00	< 0.200	98	< 30.0	< 10.0	205	< 2.00	41	14		< 40.0	3	< 2.00	36	< 10.0	414
7/25/2000	21.7	11.2	8.06	< 2.00	0.2	88	< 30.0	< 10.0	178	2	41	21	< 0.200	< 40.0	3	< 2.00	36	< 10.0	388
8/1/2000	21.7	7.8	---	3	< 0.200	81	< 30.0	< 10.0	587	< 2.00	28	17	< 0.200	< 40.0	7	< 2.00	55	< 10.0	318
8/15/2000	21.9	10.5	7.92	< 2.00	< 0.200	98	< 30.0	< 10.0	165	< 2.00	41	12	< 0.200	< 40.0	4	< 2.00	49	< 10.0	414
8/21/2000	17.9	11.9	8.13	2	< 0.200	104	< 30.0	11	260	< 2.00	38	16	< 0.200	< 40.0	5	< 2.00	62	< 10.0	416
10/18/2000	12.1	9.0	7.94	3	< 0.200	118	< 30.0	< 10.0	313	< 2.00	37	18		< 40.0	7	< 2.00	121	12	447
11/15/2000	4.2	13.3	8.32	3	< 0.200	122	< 30.0	< 10.0	234	< 2.00	35	11		< 40.0	5	< 2.00	48	< 10.0	449

# Appendix A

**Table A-1. Upper Auglaize River Watershed Water Quality Data**

DATE	Parameters (see Table A-2 for parameter names and units associated with the parameter codes used as column headings in this table)															P1147	P929	P1092	P900
	P10	P299	P400	P1002	P1027	P916	P1034	P1042	P1045	P1051	P927	P1055	P71900	P1067	P937				
<b>PUSHETA CK TRIB (2.87)</b>																			
RM 0.50 PUSHETA CK TRIB (2.87) AT OWL CREEK RD																			
6/21/2000	20.4	6.3	7.25	< 2.00	< 0.200	43	< 30.0	< 10.0	10400	5	16	119	< 0.200	< 40.0	6	< 2.00	5	51	173
7/12/2000	19.1	6.9	7.88	< 2.00	< 0.200	95	< 30.0	< 10.0	146	< 2.00	45	39	< 40.0	< 40.0	2	< 2.00	35	< 10.0	422
7/25/2000	18.1	6.2	7.78	< 2.00	< 0.200	108	< 30.0	< 10.0	202	< 2.00	45	59	< 0.200	< 40.0	3	< 2.00	32	< 10.0	455
8/1/2000	21.5	7.2	---	2	< 0.200	72	81	< 10.0	956	< 2.00	28	31	< 0.200	< 40.0	5	< 2.00	18	< 10.0	295
8/15/2000	21.0	5.9	7.78	3	< 0.200	111	< 30.0	< 10.0	213	< 2.00	44	94	< 0.200	< 40.0	4	< 2.00	37	< 10.0	458
8/21/2000	16.2	7.8	7.90	2	< 0.200	109	< 30.0	< 10.0	277	< 2.00	42	64	< 0.200	< 40.0	3	< 2.00	27	15	445
<b>OWL CK</b>																			
RM 3.03 OWL CK AT OWL CREEK RD																			
6/21/2000	20.2	5.9	7.11	3	0.2	39	< 30.0	13	18500	8	16	205	< 0.200	< 40.0	8	< 2.00	5	87	163
7/12/2000	19.3	9.0	8.06	< 2.00	< 0.200	83	< 30.0	< 10.0	937	< 2.00	41	40	< 40.0	< 40.0	3	< 2.00	32	< 10.0	376
7/25/2000	17.7	9.6	8.30	2	< 0.200	70	< 30.0	< 10.0	2010	< 2.00	29	90	< 0.200	< 40.0	4	< 2.00	13	< 10.0	294
8/1/2000	20.4	6.4	---	4	< 0.200	72	34	10	1260	< 2.00	28	27	< 0.200	< 40.0	19	< 2.00	25	10	295
8/15/2000	21.9	11.2	7.79	4	< 0.200	84	< 30.0	< 10.0	1430	< 2.00	37	164	< 0.200	< 40.0	8	< 2.00	79	< 10.0	362
8/21/2000	15.6	9.6	8.10	3	< 0.200	82	< 30.0	11	1180	3	35	52	< 0.200	< 40.0	11	< 2.00	33	< 10.0	349
<b>RM 0.40 OWL CK AT KOHLER RD.</b>																			
6/21/2000	20.6	5.9	7.19	3	0.3	42	< 30.0	17	22300	11	17	304	< 0.200	< 40.0	9	< 2.00	5	106	175
7/12/2000	19.5	8.2	7.76	< 2.00	< 0.200	95	< 30.0	< 10.0	249	< 2.00	47	68	< 40.0	< 40.0	3	< 2.00	25	< 10.0	431
7/25/2000	19.4	7.9	7.66	< 2.00	< 0.200	94	< 30.0	< 10.0	219	< 2.00	51	89	< 0.200	< 40.0	6	< 2.00	27	< 10.0	445
8/1/2000	21.5	6.6	---	4	< 0.200	60	66	< 10.0	1630	< 2.00	24	26	< 0.200	< 40.0	9	< 2.00	23	< 10.0	249
8/15/2000	21.8	8.2	7.27	4	< 0.200	85	< 30.0	< 10.0	174	< 2.00	46	170	< 0.200	< 40.0	7	< 2.00	41	< 10.0	402
8/21/2000	16.5	3.4	7.64	4	< 0.200	80	< 30.0	< 10.0	274	< 2.00	36	106	< 0.200	< 40.0	9	< 2.00	28	< 10.0	348
<b>TWOMILE CK</b>																			
RM 8.10 TWOMILE CK AT HOLDEN RD (CR 190)																			
6/22/2000	20.8	8.4	7.83	< 2.00	< 0.200	82	< 30.0	< 10.0	1200	< 2.00	21	25	< 0.200	< 40.0	4	< 2.00	18	10	291
7/11/2000	21.4	7.3	7.56	2	< 0.200	79	< 30.0	< 10.0	617	< 2.00	25	28	< 40.0	< 40.0	3	< 2.00	54	< 10.0	300
7/27/2000	25.3	8.8	8.20	3	< 0.200	84	67	< 10.0	1170	< 2.00	32	316	< 40.0	< 40.0	5	< 2.00	178	< 10.0	342
8/2/2000	21.9	7.7	7.91	5	< 0.200	55	< 30.0	< 10.0	1530	< 2.00	18	53	< 40.0	< 40.0	5	< 2.00	72	10	211
8/16/2000	22.6	6.6	7.85	5	< 0.200	59	< 30.0	< 10.0	2550	< 2.00	21	408	< 0.200	< 40.0	5	< 2.00	93	14	234
8/24/2000	20.9	3.8	7.38	4	< 0.200	62	< 30.0	< 10.0	1240	< 2.00	24	260	< 0.200	< 40.0	6	< 2.00	128	< 10.0	254

*RM 3.05 Oakview Trib (0.5) via unnamed Tributary to Twomile Ck*

# Appendix A

**Table A-1. Upper Auglaize River Watershed Water Quality Data**

DATE	Parameters (see Table A-2 for parameter names and units associated with the parameter codes used as column headings in this table)																		
	P10	P299	P400	P1002	P1027	P916	P1034	P1042	P1045	P1051	P927	P1055	P71900	P1067	P937	P1147	P929	P1092	P900
<b>RM 1.20 TWOMILE CK AT BOWSHER RD</b>																			
6/22/2000	21.6	8.3	7.77	< 2.00	10.1	87	< 30.0	< 10.0	2230	< 2.00	21	57	< 0.200	< 40.0	4	< 2.00	17	13	304
7/11/2000	22.5	10.0	7.60	< 2.00	< 0.200	94	< 30.0	< 10.0	364	< 2.00	29	32		< 40.0	3	< 2.00	31	< 10.0	354
7/27/2000	25.4	7.5	7.85	3	< 0.200	101	43	< 10.0	1250	< 2.00	35	385		< 40.0	3	< 2.00	34	20	396
8/2/2000	25.6	9.7	8.05	4	< 0.200	85	30	< 10.0	903	< 2.00	31	109		< 40.0	5	< 2.00	96	10	340
8/16/2000	23.2	6.0	7.66	5	< 0.200	87	< 30.0	< 10.0	613	< 2.00	32	479	< 0.200	< 40.0	4	< 2.00	48	10	349
8/24/2000	22.4	5.3	7.47	5	< 0.200	105	< 30.0	< 10.0	1330	< 2.00	39	512	< 0.200	< 40.0	5	< 2.00	92	< 10.0	423
<b>RM 0.12 TWOMILE CK AT SR 198</b>																			
6/22/2000	21.1	6.4	7.62	< 2.00	< 0.200	81	< 30.0	< 10.0	2350	< 2.00	20	46	< 0.200	< 40.0	4	< 2.00	14	19	285
7/11/2000	20.9	6.5	7.42	< 2.00	< 0.200	100	< 30.0	< 10.0	559	< 2.00	30	34		< 40.0	3	< 2.00	27	< 10.0	373
7/27/2000	21.6	7.6	7.64	< 2.00	< 0.200	98	< 30.0	< 10.0	370	< 2.00	37	83		< 40.0	3	< 2.00	40	< 10.0	397
8/2/2000	22.7	6.1	7.64	3	< 0.200	67	< 30.0	< 10.0	969	< 2.00	23	65		< 40.0	5	< 2.00	41	< 10.0	262
8/16/2000	21.8	6.6	7.80	4	< 0.200	82	< 30.0	< 10.0	266	< 2.00	32	100	< 0.200	< 40.0	4	< 2.00	48	< 10.0	336
8/24/2000	20.9	6.4	7.60	3	< 0.200	87	< 30.0	< 10.0	253	< 2.00	36	92	< 0.200	< 40.0	4	< 2.00	49	< 10.0	365
<b>OAKVIEW TRIB</b>																			
<b>RM ??? OAKVIEW TRIB AT BREESE RD</b>																			
6/22/2000	19.4	2.3	7.38	4	< 0.200	91	< 30.0	< 10.0	1640	< 2.00	35	324	< 0.200	< 40.0	6	< 2.00	204	28	371
7/11/2000	20.2	1.8	7.54	6	< 0.200	153	< 30.0	< 10.0	1060	< 2.00	63	683		< 40.0	18	< 8.00	577	< 10.0	641
7/27/2000	19.5	1.8	7.67	8	< 0.200	259	58	< 10.0	1570	< 2.00	108	956		< 40.0	36	< 2.00	907	10	1090
8/2/2000	20.2	1.7	7.75	7	< 0.200	217	30	< 10.0	1050	< 2.00	92	798		< 40.0	16	< 2.00	772	< 10.0	921
8/16/2000	22.1	2.2	7.94	7	< 0.200	292	< 30.0	15	988	< 2.00	98	744	< 0.200	< 40.0	18	< 2.00	1230	< 10.0	1130
8/24/2000	19.8	1.4	7.64	6	< 0.200	251	< 30.0	< 10.0	913	< 2.00	106	784	< 0.200	< 40.0	22	< 2.00	943	< 10.0	1060
<b>SIMS RUN</b>																			
<b>RM 4.37 SIMS RUN AT CONANT RD</b>																			
6/22/2000	21.3	9.0	8.02	< 2.00	< 0.200	89	< 30.0	< 10.0	430	< 2.00	25	< 10.0	< 0.200	< 40.0	2	< 2.00	17	< 10.0	325
7/11/2000	22.3	5.0	7.35	< 2.00	< 0.200	73	< 30.0	< 10.0	1830	< 2.00	25	99		< 40.0	3	< 2.00	51	10	285
7/27/2000	24.2	12.3	8.46	5	< 0.200	74	< 30.0	< 10.0	2920	< 2.00	28	723		< 40.0	5	< 2.00	168	25	300
8/2/2000	24.0	12.8	8.23	6	< 0.200	77	< 30.0	< 10.0	2060	< 2.00	28	628		< 40.0	6	< 2.00	144	12	308
8/16/2000	26.3	8.1	7.87	15	< 0.200	78	< 30.0	< 10.0	1710	< 2.00	29	1470	< 0.200	< 40.0	6	< 2.00	175	16	314
8/24/2000	22.1	6.0	7.57	13	< 0.200	80	< 30.0	< 10.0	1200	< 2.00	32	1540	< 0.200	< 40.0	7	< 2.00	239	< 10.0	332

# Appendix A

**Table A-1. Upper Auglaize River Watershed Water Quality Data**

DATE	Parameters (see Table A-2 for parameter names and units associated with the parameter codes used as column headings in this table)																		
	P10	P299	P400	P1002	P1027	P916	P1034	P1042	P1045	P1051	P927	P1055	P71900	P1067	P937	P1147	P929	P1092	P900
<b>RM 0.82 SIMS RUN AT NATIONAL RD</b>																			
6/22/2000	22.3	9.4	7.86	< 2.00	< 0.200	87	< 30.0	< 10.0	1160	< 2.00	24	17	< 0.200	< 40.0	3	< 2.00	16	< 10.0	316
7/11/2000	21.5	6.6	7.24	< 2.00	< 0.200	86	< 30.0	< 10.0	1160	< 2.00	26	40	< 40.0	3	< 2.00	19	< 10.0	322	
7/27/2000	24.3	5.6	7.71	5	< 0.200	56	77	< 10.0	3870	2	28	405	< 40.0	7	< 2.00	39	20	255	
8/2/2000	23.0	2.6	7.46	7	< 0.200	77	< 30.0	< 10.0	4740	2	29	667	< 40.0	9	< 2.00	35	18	312	
8/16/2000																			
8/24/2000	22.3	6.7	7.54	4	< 0.200	78	< 30.0	< 10.0	1920	< 2.00	31	215	< 0.200	< 40.0	5	< 2.00	41	< 10.0	322
<b>BUCK RUN</b>																			
<b>RM 0.57 BUCK RUN AT SUNDERLAND RD</b>																			
6/22/2000	20.6	7.4	7.68	< 2.00	< 0.200	79	< 30.0	< 10.0	1610	< 2.00	27	38	< 0.200	< 40.0	4	< 2.00	31	16	308
7/11/2000	20.4	6.1	7.52	< 2.00	< 0.200	105	< 30.0	< 10.0	779	< 2.00	37	56	< 40.0	5	< 2.00	63	< 10.0	414	
7/27/2000	19.8	5.8	7.77	< 2.00	< 0.200	187	< 30.0	< 10.0	526	< 2.00	70	130	< 40.0	7	< 2.00	120	< 10.0	755	
8/2/2000	20.6	5.0	7.87	< 2.00	< 0.200	163	51	< 10.0	474	< 2.00	59	136	< 40.0	7	< 2.00	99	< 10.0	650	
8/16/2000	20.6	5.3	7.87	3	< 0.200	155	< 30.0	10	691	< 2.00	64	240	< 0.200	< 40.0	7	< 2.00	120	< 10.0	650
8/24/2000	20.0	4.2	7.61	2	< 0.200	181	< 30.0	< 10.0	509	< 2.00	78	202	< 0.200	< 40.0	8	< 2.00	119	< 10.0	773
<b>AUGLAIZE R TRIB IV (63.54)</b>																			
<b>RM 0.43 AUGLAIZE R TRIB IV (63.54) AT DEFIANCE TRAIL</b>																			
6/26/2000	22.0	7.3	7.40	< 2.00	< 0.200	50	< 30.0	< 10.0	4940	2	16	76	< 0.200	< 40.0	4	< 2.00	11	24	191
7/11/2000	21.4	4.4	7.57	< 2.00	< 0.200	83	< 30.0	< 10.0	1620	< 2.00	33	108	< 40.0	4	< 2.00	33	< 10.0	343	
7/25/2000	18.7	6.3	7.31	< 2.00	< 0.200	158	< 30.0	< 10.0	902	< 2.00	84	335	< 0.200	< 40.0	5	< 2.00	41	< 10.0	740
8/1/2000	20.1	5.8	7.50	< 2.00	< 0.200	148	< 30.0	< 10.0	1020	< 2.00	82	562	< 0.200	< 40.0	5	< 2.00	39	< 10.0	707
8/15/2000																			
8/22/2000	16.7	5.2	7.60	< 2.00	< 0.200	169	< 30.0	12	858	< 2.00	89	509	< 0.200	< 40.0	5	< 2.00	53	< 10.0	788
<b>SIXMILE CK</b>																			
<b>RM 4.24 SIXMILE CK AT BAILEY RD</b>																			
7/11/2000	21.5	4.9	7.36	2	< 0.200	98	< 30.0	< 10.0	4820	3	33	268	< 40.0	4	< 2.00	37	28	381	
7/25/2000	20.6	4.7	7.51	11	< 0.200	117	< 30.0	< 10.0	3800	3	54	2060	< 0.200	< 40.0	6	< 2.00	108	18	514
8/1/2000	22.3	8.4	7.85	6	< 0.200	105	< 30.0	< 10.0	4370	4	43	923	< 0.200	< 40.0	8	< 2.00	98	20	439
8/15/2000	23.6	5.5	7.52	12	< 0.200	65	< 30.0	< 10.0	1130	< 2.00	32	864	< 0.200	< 40.0	6	< 2.00	89	< 10.0	294
8/22/2000	17.5	1.8	7.30	7	< 0.200	89	< 30.0	< 10.0	591	< 2.00	38	690	< 0.200	< 40.0	6	< 2.00	108	< 10.0	379
<b>RM 3.90 SIXMILE CK AT SR 66</b>																			
7/11/2000	20.7	5.5	7.49	< 2.00	< 0.200	110	< 30.0	< 10.0	373	< 2.00	46	57	< 40.0	4	< 2.00	70	33	464	
7/25/2000	18.9	5.3	7.57	< 2.00	< 0.200	159	< 30.0	< 10.0	290	< 2.00	89	91	< 0.200	< 40.0	6	< 2.00	148	28	764
8/1/2000	20.1	5.0	7.56	2	< 0.200	132	< 30.0	< 10.0	353	< 2.00	71	109	< 0.200	< 40.0	6	< 2.00	98	24	622
8/15/2000	21.4	5.3	7.52	< 2.00	< 0.200	159	< 30.0	< 10.0	496	< 2.00	92	105	< 0.200	< 40.0	6	< 2.00	124	27	776
8/22/2000	18.4	4.5	7.61	3	< 0.200	160	< 30.0	18	592	< 2.00	88	122	< 0.200	< 40.0	7	< 2.00	122	41	762

# Appendix A

**Table A-1. Upper Auglaize River Watershed Water Quality Data**

DATE	Parameters (see Table A-2 for parameter names and units associated with the parameter codes used as column headings in this table)																		
	P10	P299	P400	P1002	P1027	P916	P1034	P1042	P1045	P1051	P927	P1055	P71900	P1067	P937	P1147	P929	P1092	P900
RM 3.65 SIXMILE CK DST FARM SERVICES																			
6/26/2000	20.2	6.9	7.30	< 2.00	< 0.200	68	< 30.0	< 10.0	3690	< 2.00	20	44	< 0.200	< 40.0	4	< 2.00	16	24	252
7/11/2000	21.1	5.7	7.52	2	< 0.200	112	< 30.0	< 10.0	1060	< 2.00	47	67	< 0.200	< 40.0	6	< 2.00	81	26	473
7/25/2000	17.3	4.5	7.55	< 2.00	< 0.200	163	< 30.0	< 10.0	332	< 2.00	89	165	< 0.200	< 40.0	6	< 2.00	158	22	774
8/1/2000	21.6	3.6	7.26	3	< 0.200	136	< 30.0	< 10.0	273	< 2.00	70	94	< 0.200	< 40.0	6	< 2.00	100	< 10.0	628
8/15/2000	21.1	3.9	7.53	3	< 0.200	154	< 30.0	< 10.0	307	< 2.00	90	136	< 0.200	< 40.0	7	< 2.00	140	< 10.0	755
8/22/2000	16.6	3.8	7.57	3	< 0.200	160	< 30.0	< 10.0	482	< 2.00	86	133	< 0.200	< 40.0	7	< 2.00	131	23	754
RM 3.59 SIXMILE CK DST SPENCERVILLE WWTP TRIB																			
7/11/2000	21.1	6.9	7.91	< 2.00	< 0.200	118	< 30.0	< 10.0	431	< 2.00	53	17	< 0.200	< 40.0	8	< 2.00	154	47	513
7/25/2000	20.2	7.2	8.23	< 2.00	< 0.200	148	< 30.0	< 10.0	71	< 2.00	80	10	< 0.200	< 40.0	13	< 2.00	330	48	699
8/1/2000	21.6	6.3	8.12	2	< 0.200	149	< 30.0	11	105	< 2.00	81	12	< 0.200	< 40.0	13	< 2.00	270	46	706
8/15/2000	23.0	5.5	7.72	< 2.00	< 0.200	146	< 30.0	< 10.0	257	< 2.00	82	40	< 0.200	< 40.0	13	< 2.00	321	27	702
8/22/2000	19.2	5.2	7.89	2	< 0.200	167	< 30.0	18	182	< 2.00	82	48	< 0.200	< 40.0	13	< 2.00	254	42	755
RM 1.20 SIXMILE CK AT SR 81																			
6/26/2000	20.8	7.0	7.51	< 2.00	< 0.200	69	< 30.0	< 10.0	3340	< 2.00	22	52	< 0.200	< 40.0	6	< 2.00	30	23	263
7/11/2000	21.7	5.8	7.90	< 2.00	< 0.200	84	< 30.0	< 10.0	552	< 2.00	37	30	< 0.200	< 40.0	6	< 2.00	60	10	362
7/25/2000	18.3	5.9	7.76	3	< 0.200	147	< 30.0	< 10.0	798	< 2.00	81	67	< 0.200	< 40.0	11	< 2.00	292	23	701
8/1/2000	20.3	5.7	7.81	3	< 0.200	136	< 30.0	12	879	< 2.00	73	81	< 0.200	< 40.0	12	< 2.00	213	26	640
8/15/2000	20.7	5.8	7.77	4	< 0.200	146	< 30.0	< 10.0	1050	< 2.00	88	93	< 0.200	< 40.0	12	< 2.00	284	14	727
8/22/2000																			
RM 0.19 SIXMILE CK AT DEFIANCE TRAIL																			
7/11/2000	---	7.3	---	2	< 0.200	108	< 30.0	< 10.0	376	< 2.00	45	26	< 0.200	< 40.0	6	< 2.00	80	< 10.0	455
7/25/2000	18.5	9.4	8.01	3	< 0.200	154	< 30.0	< 10.0	250	< 2.00	80	61	< 0.200	< 40.0	10	< 2.00	252	16	714
8/1/2000	20.6	7.4	7.81	4	< 0.200	115	< 30.0	16	1260	< 2.00	57	68	< 0.200	< 40.0	16	< 2.00	148	23	522
8/9/2000	21.9	6.7	9.40	3	< 0.200	112	< 30.0	< 10.0	976	< 2.00	54	62	< 0.200	< 40.0	9	< 2.00	147	< 10.0	502
8/15/2000	21.6	8.4	7.97	4	< 0.200	142	< 30.0	< 10.0	1000	< 2.00	78	96	< 0.200	< 40.0	10	< 2.00	225	12	676
8/22/2000	16.8	8.3	8.00	4	< 0.200	154	< 30.0	16	1170	< 2.00	78	88	< 0.200	< 40.0	11	< 2.00	202	19	706
10/18/2000	12.2	8.1	7.76	2	< 0.200	101	< 30.0	< 10.0	202	< 2.00	43	10	< 0.200	< 40.0	8	< 2.00	109	12	429
11/15/2000	4.4	13.1	8.11	3	< 0.200	110	< 30.0	< 10.0	543	< 2.00	46	23	< 0.200	< 40.0	6	< 2.00	103	17	464
PIGEON RUN																			
RM 0.23 PIGEON RUN AT GOOD RD																			
6/26/2000	22.1	5.8	7.04	< 2.00	< 0.200	60	< 30.0	< 10.0	2650	< 2.00	15	44	< 0.200	< 40.0	4	< 2.00	8	20	212
7/11/2000	24.9	17.1	8.35	< 2.00	< 0.200	84	< 30.0	< 10.0	222	< 2.00	31	16	< 0.200	< 40.0	3	< 2.00	45	< 10.0	337
7/25/2000	24.0	9.5	7.75	3	< 0.200	71	< 30.0	< 10.0	768	< 2.00	42	177	< 0.200	< 40.0	3	< 2.00	93	< 10.0	350
8/1/2000	21.8	9.9	7.07	3	< 0.200	68	< 30.0	< 10.0	564	< 2.00	23	35	< 0.200	< 40.0	6	< 2.00	42	< 10.0	264
8/22/2000	18.2	8.0	7.64	4	< 0.200	79	< 30.0	< 10.0	272	< 2.00	32	68	< 0.200	< 40.0	5	< 2.00	61	< 10.0	329



# Appendix A

**Table A-1. Upper Auglaize River Watershed Water Quality Data**

DATE	Parameters (see Table A-2 for parameter names and units associated with the parameter codes used as column headings in this table)															P1147	P929	P1092	P900
	P10	P299	P400	P1002	P1027	P916	P1034	P1042	P1045	P1051	P927	P1055	P71900	P1067	P937				
<b>JENNINGS CK</b>																			
RM 19.33 JENNINGS CK AT PURDY RD																			
6/27/2000	20.8	7.8	7.21	< 2.00	< 0.200	70	< 30.0	< 10.0	3410	2	19	33	< 0.200	< 40.0	3	< 2.00	9	19	253
7/12/2000	19.0	7.3	7.64	< 2.00	< 0.200	81	< 30.0	< 10.0	2150	< 2.00	28	39		< 40.0	4	< 2.00	30	< 10.0	318
7/27/2000																			
8/2/2000	21.4	7.2	7.71	3	< 0.200	62	50	< 10.0	3990	< 2.00	26	111	< 0.200	< 40.0	3	< 2.00	75	17	262
8/31/2000	22.7	4.9	7.42	4	< 0.200	55	< 30.0	< 10.0	3730	< 2.00	25	490	< 0.200	< 40.0	7	< 2.00	47	14	240
RM 17.58 JENNINGS CK AT KILL RD N OF HANLEY RD																			
6/27/2000	20.7	7.2	7.27	< 2.00	< 0.200	69	< 30.0	< 10.0	3780	2	19	29	< 0.200	< 40.0	3	< 2.00	9	16	250
7/12/2000	20.1	9.3	7.73	< 2.00	< 0.200	78	< 30.0	< 10.0	2050	< 2.00	27	44		< 40.0	2	< 2.00	23	< 10.0	306
7/27/2000																			
8/2/2000	22.0	14.2	7.93	< 2.00	< 0.200	83	34	< 10.0	1270	< 2.00	25	32	< 0.200	< 40.0	4	< 2.00	27	< 10.0	310
8/31/2000	24.6	4.4	7.42	4	< 0.200	55	< 30.0	< 10.0	2880	< 2.00	26	236	< 0.200	< 40.0	7	< 2.00	47	12	244
RM 16.08 JENNINGS CK AT KILL RD UST JPD																			
6/27/2000	20.0	6.7	7.29	< 2.00	< 0.200	66	< 30.0	< 10.0	4000	2	18	31	< 0.200	< 40.0	3	< 2.00	8	22	239
7/12/2000	19.9	8.0	7.63	< 2.00	< 0.200	70	< 30.0	< 10.0	1250	< 2.00	25	22		< 40.0	< 2.00	< 2.00	18	< 10.0	278
7/27/2000																			
8/2/2000	19.6	7.2	7.70	< 2.00	< 0.200	81	34	< 10.0	1310	< 2.00	23	38	< 0.200	< 40.0	3	< 2.00	20	< 10.0	297
8/31/2000	24.7	4.4	7.50	6	< 0.200	67	< 30.0	< 10.0	2200	< 2.00	25	223	< 0.200	< 40.0	5	< 2.00	34	14	270
<i>RM 15.27 Jennings Prairie Ditch</i>																			
RM 15.04 JENNINGS CK AT KILL R DST JPD																			
6/27/2000	21.1	6.8	7.33	< 2.00	< 0.200	68	< 30.0	< 10.0	3550	< 2.00	17	30	< 0.200	< 40.0	3	< 2.00	8	19	240
7/12/2000	21.0	10.8	7.96	< 2.00	< 0.200	73	< 30.0	< 10.0	645	< 2.00	25	12		< 40.0	< 2.00	< 2.00	19	< 10.0	285
7/27/2000	25.8	5.8	7.69	< 2.00	< 0.200	54	< 30.0	< 10.0	2000	< 2.00	26	119	< 0.200	< 40.0	2	< 2.00	47	15	242
8/2/2000	21.6	7.8	7.78	< 2.00	< 0.200	74	30	< 10.0	2120	< 2.00	20	41	< 0.200	< 40.0	4	< 2.00	24	10	267
8/31/2000	24.7	9.0	7.86	3	< 0.200	62	< 30.0	< 10.0	749	< 2.00	24	106	< 0.200	< 40.0	4	< 2.00	43	< 10.0	254
RM 10.40 JENNINGS CK AT LANDECK RD																			
6/27/2000	21.5	7.3	7.53	< 2.00	< 0.200	72	< 30.0	< 10.0	2690	< 2.00	19	32	< 0.200	< 40.0	3	< 2.00	8	16	258
7/12/2000	20.7	6.1	7.67	< 2.00	< 0.200	91	< 30.0	< 10.0	1890	< 2.00	37	58		< 40.0	2	< 2.00	23	< 10.0	380
7/27/2000	29.2	6.8	7.91	2	< 0.200	117	38	< 10.0	1970	< 2.00	72	91	< 0.200	< 40.0	6	< 2.00	50	12	589
8/2/2000	22.0	6.3	7.18	2	< 0.200	81	< 30.0	< 10.0	2560	< 2.00	28	86	< 0.200	< 40.0	5	< 2.00	21	11	318
8/31/2000	24.0	5.5	7.69	3	< 0.200	110	< 30.0	< 10.0	2580	< 2.00	49	154	< 0.200	< 40.0	6	< 2.00	34	12	476

# Appendix A

**Table A-1. Upper Auglaize River Watershed Water Quality Data**

DATE	Parameters (see Table A-2 for parameter names and units associated with the parameter codes used as column headings in this table)																		
	P10	P299	P400	P1002	P1027	P916	P1034	P1042	P1045	P1051	P927	P1055	P71900	P1067	P937	P1147	P929	P1092	P900
	RM 7.57 JENNINGS CK AT CR 244																		
7/12/2000	21.2	7.3	7.78	< 2.00	< 0.200	88	< 30.0	< 10.0	629	< 2.00	34	17		< 40.0	2	< 2.00	22	< 10.0	360
7/27/2000	22.1	7.8	7.83	< 2.00	< 0.200	122	48	< 10.0	451	< 2.00	69	33	< 0.200	< 40.0	5	< 2.00	53	10	589
8/2/2000	21.3	6.3	7.03	< 2.00	< 0.200	72	< 30.0	< 10.0	1930	< 2.00	25	54	< 0.200	< 40.0	5	< 2.00	25	< 10.0	283
8/31/2000	23.7	6.5	7.73	4	< 0.200	88	< 30.0	< 10.0	907	< 2.00	34	65	< 0.200	< 40.0	5	< 2.00	30	11	360
	RM 5.79 JENNINGS CK AT SR 66																		
6/27/2000	21.6	9.5	7.65	< 2.00	< 0.200	74	< 30.0	< 10.0	2660	< 2.00	20	34	< 0.200	< 40.0	2	< 2.00	8	14	267
7/12/2000	21.6	9.5	7.90	< 2.00	< 0.200	94	< 30.0	< 10.0	225	< 2.00	41	< 10.0		< 40.0	3	< 2.00	24	< 10.0	404
7/27/2000	23.6	4.7	8.09	< 2.00	< 0.200	118	32	< 10.0	351	< 2.00	67	30	< 0.200	< 40.0	7	< 2.00	41	< 10.0	570
8/2/2000	21.4	7.0	7.04	< 2.00	< 0.200	72	43	< 10.0	1190	< 2.00	26	37	< 0.200	< 40.0	5	< 2.00	22	< 10.0	287
8/31/2000	24.6	7.7	7.84	2	< 0.200	89	< 30.0	< 10.0	423	< 2.00	38	38	< 0.200	< 40.0	6	< 2.00	27	< 10.0	379
	RM 4.80 JENNINGS CK AT POHLMAN RD																		
6/27/2000	21.4	7.3	7.67	< 2.00	< 0.200	75	< 30.0	< 10.0	2580	< 2.00	20	40	< 0.200	< 40.0	3	< 2.00	12	17	270
7/12/2000	21.6	7.0	7.69	< 2.00	< 0.200	99	< 30.0	< 10.0	274	< 2.00	43	37		< 40.0	13	< 2.00	70	< 10.0	424
7/27/2000	24.9	5.9	7.79	< 2.00	< 0.200	113	75	< 10.0	610	< 2.00	57	72	< 0.200	< 40.0	25	< 2.00	236	13	517
8/2/2000	19.6	5.9	6.65	< 2.00	< 0.200	76	< 30.0	< 10.0	861	< 2.00	29	60	< 0.200	< 40.0	7	< 2.00	35	< 10.0	309
8/31/2000	24.3	5.5	7.48	3	< 0.200	92	< 30.0	< 10.0	618	< 2.00	35	158	< 0.200	< 40.0	18	< 2.00	99	19	374
	RM 3.57 West Jennings Ck																		
	RM 2.67 Flat Fork																		
	RM 0.51 JENNINGS CK AT CR 23-T																		
6/27/2000	21.9	6.8	7.61	< 2.00	< 0.200	75	< 30.0	< 10.0	2640	< 2.00	19	43	< 0.200	< 40.0	3	< 2.00	12	21	266
7/12/2000	22.9	6.0	7.59	< 2.00	< 0.200	94	< 30.0	< 10.0	1410	< 2.00	36	57		< 40.0	7	< 2.00	51	12	383
7/27/2000	24.6	7.2	7.82	2	< 0.200	114	36	< 10.0	996	< 2.00	52	68	< 0.200	< 40.0	16	< 2.00	182	25	499
8/2/2000	18.1	5.7	6.30	2	< 0.200	54	< 30.0	< 10.0	382	< 2.00	16	14	< 0.200	< 40.0	3	< 2.00	17	15	201
8/9/2000	22.8	5.7	7.94	3	< 0.200	88	< 30.0	< 10.0	773	< 2.00	32	55	< 0.200	< 40.0	8	< 2.00	43	< 10.0	352
8/17/2000	20.8	5.1	7.55	2	< 0.200	111	< 30.0	< 10.0	845	< 2.00	46	120	< 0.200	< 40.0	13	< 2.00	114	19	466
8/24/2000	21.7	5.4	7.29	2	< 0.200	59	< 30.0	< 10.0	1760	2	26	75	< 0.200	< 40.0	11	< 2.00	62	21	254
8/31/2000	25.5	4.4	7.32	3	< 0.200	98	< 30.0	< 10.0	349	< 2.00	35	82	< 0.200	< 40.0	19	< 2.00	96	< 10.0	389
10/18/2000	14.3	6.8	7.70	2	< 0.200	103	< 30.0	< 10.0	419	< 2.00	40	45		< 40.0	10	< 2.00	60	< 10.0	422
11/15/2000	5.0	10.0	7.92	< 2.00	< 0.200	98	< 30.0	< 10.0	221	< 2.00	42	33		< 40.0	11	< 4.00	85	< 10.0	418

# Appendix A

**Table A-1. Upper Auglaize River Watershed Water Quality Data**

DATE	Parameters (see Table A-2 for parameter names and units associated with the parameter codes used as column headings in this table)																		
	P10	P299	P400	P1002	P1027	P916	P1034	P1042	P1045	P1051	P927	P1055	P71900	P1067	P937	P1147	P929	P1092	P900
<b>JENNINGS PRAIRIE DITCH</b>																			
RM 8.11 JENNINGS PRAIRIE DITCH AT LOUTH RD																			
6/27/2000	20.9	7.9	7.28	< 2.00	< 0.200	75	< 30.0	< 10.0	1570	< 2.00	19	25	< 0.200	< 40.0	3	< 2.00	13	< 10.0	266
7/12/2000	18.6	9.7	7.59	2	< 0.200	78	< 30.0	< 10.0	1840	< 2.00	27	60		< 40.0	2	< 2.00	40	< 10.0	306
7/27/2000																			
8/2/2000	20.9	7.7	7.77	3	< 0.200	104	< 30.0	< 10.0	1500	< 2.00	29	112	< 0.200	< 40.0	5	< 2.00	51	< 10.0	379
8/31/2000	23.6	6.0	7.58	6	< 0.200	123	< 30.0	< 10.0	1630	< 2.00	49	417	< 0.200	< 40.0	7	< 2.00	141	11	509
RM 4.78 JENNINGS PRAIRIE DITCH AT SR 81																			
6/27/2000	21.3	6.2	7.32	< 2.00	< 0.200	67	< 30.0	< 10.0	2900	< 2.00	17	28	< 0.200	< 40.0	2	< 2.00	9	16	237
7/12/2000	19.2	6.9	7.59	< 2.00	< 0.200	84	< 30.0	< 10.0	2950	< 2.00	26	84		< 40.0	2	< 2.00	23	< 10.0	317
7/27/2000	22.0	5.6	7.65	4	< 0.200	80	40	12	9640	4	29	462	< 0.200	< 40.0	4	< 2.00	58	40	319
8/2/2000	21.4	6.6	7.75	2	< 0.200	92	< 30.0	< 10.0	2150	< 2.00	26	76	< 0.200	< 40.0	5	< 2.00	67	< 10.0	337
8/31/2000	21.9	4.2	7.62	3	< 0.200	81	< 30.0	< 10.0	2450	< 2.00	28	187	< 0.200	< 40.0	6	< 2.00	49	12	318
RM 0.30 JENNINGS PRAIRIE DITCH AT COUNTY LINE RD																			
6/27/2000	21.2	6.2	7.49	< 2.00	< 0.200	74	< 30.0	< 10.0	1630	< 2.00	18	15	< 0.200	< 40.0	2	< 2.00	9	14	259
7/12/2000	20.0	9.4	7.89	< 2.00	< 0.200	82	< 30.0	< 10.0	539	< 2.00	25	11		< 40.0	< 2.00	< 2.00	18	< 10.0	308
7/27/2000	22.8	3.9	7.52	4	< 0.200	62	< 30.0	11	5970	3	27	300	< 0.200	< 40.0	3	< 2.00	37	33	266
8/2/2000	22.4	6.6	7.73	3	< 0.200	69	63	< 10.0	3210	< 2.00	18	59	< 0.200	< 40.0	4	< 2.00	29	12	246
8/31/2000	22.2	7.3	7.74	3	< 0.200	57	< 30.0	< 10.0	410	< 2.00	24	64	< 0.200	< 40.0	4	< 2.00	45	< 10.0	241
<b>WEST JENNINGS CK</b>																			
RM 0.86 WEST JENNINGS CK AT SR 66																			
6/27/2000	20.7	8.6	7.72	< 2.00	< 0.200	83	< 30.0	< 10.0	1530	< 2.00	20	21	< 0.200	< 40.0	2	< 2.00	9	11	290
7/12/2000	20.8	5.8	7.55	< 2.00	< 0.200	86	< 30.0	< 10.0	704	< 2.00	27	36		< 40.0	2	< 2.00	24	< 10.0	326
7/27/2000	24.1	7.9	7.79	3	< 0.200	90	< 30.0	< 10.0	605	< 2.00	28	225	< 0.200	< 40.0	3	< 2.00	46	< 10.0	340
8/2/2000	19.4	5.8	6.53	3	< 0.200	72	39	< 10.0	1240	< 2.00	23	67	< 0.200	< 40.0	3	< 2.00	48	< 10.0	274
8/31/2000	25.3	6.4	7.60	4	< 0.200	89	< 30.0	< 10.0	1640	< 2.00	24	98	< 0.200	< 40.0	4	< 2.00	21	< 10.0	321
<b>FLAT FORK</b>																			
RM 1.15 FLAT FORK AT CR U-20 (TR 136)																			
6/27/2000	20.6	9.5	7.83	< 2.00	< 0.200	85	< 30.0	< 10.0	891	< 2.00	20	18	< 0.200	< 40.0	2	< 2.00	15	13	295
7/12/2000	21.7	17.6	8.30	< 2.00	< 0.200	92	< 30.0	< 10.0	95	< 2.00	30	< 10.0		< 40.0	2	< 2.00	35	< 10.0	353
7/27/2000	25.6	2.8	8.08	3	< 0.200	94	41	< 10.0	570	< 2.00	41	51	< 0.200	< 40.0	2	< 2.00	68	11	404
8/2/2000	18.8	7.8	6.59	< 2.00	< 0.200	67	< 30.0	< 10.0	996	< 2.00	27	80	< 0.200	< 40.0	10	< 2.00	55	16	278
8/31/2000	26.3	10.3	8.11	3	< 0.200	96	< 30.0	< 10.0	398	< 2.00	28	38	< 0.200	< 40.0	4	< 2.00	31	10	355



# Appendix A

Table A-1. Upper Auglaize River Watershed Water Quality Data

DATE	Parameters (see Table A-2 for parameter names and units associated with the parameter codes used as column headings in this table)																		
	P10	P299	P400	P1002	P1027	P916	P1034	P1042	P1045	P1051	P927	P1055	P71900	P1067	P937	P1147	P929	P1092	P900
	RM 0.30 LAPP DITCH AT SR 634																		
6/28/2000	19.8	8.1	7.79	< 2.00	< 0.200	87	< 30.0	< 10.0	3860	< 2.00	22	60	< 0.200	< 40.0	3	< 2.00	25	18	308
7/13/2000	19.7	7.0	7.87	3	< 0.200	115	< 30.0	< 10.0	1540	< 2.00	41	84		< 40.0	5	< 2.00	62	10	456
7/26/2000	21.4	11.5	7.78	3	< 0.200	171	< 30.0	< 10.0	710	< 2.00	69	328	< 0.200	< 40.0	8	< 2.00	141	< 10.0	711
8/3/2000	16.8	4.8	6.46	6	< 0.200	176	< 30.0	11	1420	< 2.00	97	380	< 0.200	< 40.0	10	< 2.00	227	21	839
8/17/2000	19.5	6.2	7.85	4	< 0.200	126	< 30.0	< 10.0	993	< 2.00	51	205	< 0.200	< 40.0	8	< 2.00	93	10	525
8/24/2000	21.2	5.8	7.54	4	< 0.200	152	< 30.0	< 10.0	1340	< 2.00	79	193	< 0.200	< 40.0	11	< 2.00	193	< 10.0	705
9/7/2000	18.0	7.5	7.88																
	<b>BLANCHARD R</b>																		
	RM 2.58 BLANCHARD R AT CR 21-H																		
7/13/2000	23.0	8.1	8.10	3	< 0.200	87	< 30.0	< 10.0	2690	3	29	64		< 40.0	5	< 2.00	25	14	337
8/3/2000	18.9	6.2	6.04	3	< 0.200	63	< 30.0	10	4920	5	20	101	< 0.200	< 40.0	7	< 2.00	17	25	240
8/17/2000	21.0	5.3	7.85	< 2.00	< 0.200	82	< 30.0	< 10.0	2810	3	26	83	< 0.200	< 40.0	7	< 2.00	27	28	312
	<b>AUGLAIZE R TRIB VI (25.51) - Dupont Trib</b>																		
	RM ??? AUGLAIZE R TRIB VI (25.51) ADJ SR 634																		
6/28/2000	18.0	5.6	7.39	< 2.00	< 0.200	103	< 30.0	< 10.0	399	< 2.00	29	189	< 0.200	< 40.0	7	< 2.00	58	< 10.0	377
7/13/2000	19.1	4.3	7.39	3	< 0.200	106	< 30.0	< 10.0	244	< 2.00	34	244		< 40.0	7	< 2.00	73	< 10.0	405
7/26/2000	19.8	1.7	7.41	3	< 0.200	92	< 30.0	< 10.0	750	< 2.00	37	620	< 0.200	< 40.0	12	< 2.00	142	12	382
8/24/2000	22.1	1.6	7.14	2	< 0.200	108	< 30.0	< 10.0	573	< 2.00	41	567	< 0.200	< 40.0	11	< 2.00	539	< 10.0	438
	<b>PRAIRIE CK</b>																		
	RM 3.04 PRAIRIE CK AT COUNTY LINE RD																		
6/28/2000	18.9	7.5	7.60	2	< 0.200	76	< 30.0	< 10.0	1800	< 2.00	22	53	< 0.200	< 40.0	3	< 2.00	15	10	280
7/13/2000	21.0	5.6	7.85	3	< 0.200	86	< 30.0	< 10.0	1920	< 2.00	29	135		< 40.0	3	< 2.00	31	12	334
7/26/2000	20.1	6.5	7.70	3	< 0.200	99	< 30.0	< 10.0	1380	< 2.00	33	139	< 0.200	< 40.0	4	< 2.00	84	11	383
8/3/2000	15.2	5.0	4.76	3	< 0.200	65	< 30.0	14	2990	2	17	62	< 0.200	< 40.0	17	< 2.00	17	14	232
8/24/2000	22.2	5.2	7.46	3	< 0.200	83	< 30.0	< 10.0	1800	< 2.00	29	401	< 0.200	< 40.0	6	< 2.00	74	< 10.0	327
	RM 0.33 PRAIRIE CK AT SR 66																		
6/28/2000	20.1	7.2	7.56																
7/13/2000	23.0	5.8	7.72	3	< 0.200	80	< 30.0	< 10.0	771	< 2.00	24	123		< 40.0	4	< 2.00	34	21	298
7/26/2000	23.1	7.7	7.68	3	< 0.200	98	< 30.0	< 10.0	661	< 2.00	41	161	< 0.200	< 40.0	6	< 2.00	88	< 10.0	414
8/3/2000	16.1	6.1	5.50	3	< 0.200	46	< 30.0	< 10.0	3730	< 2.00	16	65	< 0.200	< 40.0	9	< 2.00	22	18	181
8/17/2000																			
8/24/2000	22.6	4.9	7.28	3	< 0.200	76	< 30.0	< 10.0	1210	< 2.00	27	175	< 0.200	< 40.0	9	< 2.00	71	< 10.0	301

# Appendix A

**Table A-1. Upper Auglaize River Watershed Water Quality Data**

DATE	P410	P310	P80082	P80087	P340	P940	P95	P630	P615	P610	P625	P556	P403	P665	P70300
<b>AUGLAIZE RIVER</b>															
<i>RM 108.90 Unnamed Tributary to Auglaize R</i>															
RM 108.51 AUGLAIZE R AT HAY RD															
6/19/2000	117	< 2.00			26	14	479	14.8	0.1	0.184	1.47			0.19	352
7/10/2000	228	< 2.00			< 10	30	669	6.3	0.05	< 0.0500	0.49			< 0.0500	384
7/24/2000	281	< 2.00			16	38	755	0.469	< 0.0200	0.053	0.49			< 0.0500	482
7/31/2000	198	< 2.00			26	38	621	2.6	0.032	0.052	1.05			0.09	380
8/14/2000	255	< 2.00			11	41	744	0.178	< 0.0200	0.053	0.41			0.06	446
8/21/2000	249	< 2.00			11	44	755	0.373	< 0.0200	< 0.0500	0.4			0.055	468
RM 106.68 AUGLAIZE R AT FAULKNER RD															
6/19/2000	117	< 2.00			40	14	462	13.5	0.11	0.145	1.15			0.2	326
7/10/2000	253	< 2.00			< 10	28	697	2.03	0.04	< 0.0500	0.45			0.07	404
7/24/2000	229	< 2.00			12	32	734	1.42	< 0.0200	0.071	0.5			0.1	432
7/31/2000	199	< 2.00			32	40	626	2.34	0.029	0.074	1.05			0.13	384
8/14/2000	250	< 2.00			11	31	703	0.809	< 0.0200	0.058	0.42			0.13	434
8/21/2000	240	< 2.00			11	31	699	1.03	< 0.0200	0.068	0.48			0.14	448
<i>RM 105.11 Manahan Ditch (Harrod)</i>															
RM 103.97 AUGLAIZE R AT SR 117															
6/19/2000	126	< 2.00			28	16	493	13.5	0.12	0.149	1.38			0.22	338
7/10/2000	257	< 2.00			< 10	30	693	4.44	0.03	< 0.0500	0.46			0.06	406
7/24/2000	268	4.6			47	47	756	1.78	0.036	2.22	3.34			0.41	436
7/31/2000	182	< 2.00			29	44	619	2.72	0.037	0.087	1.09			0.16	380
<i>RM 103.69 Unnamed Tributary to Auglaize R (Westminster)</i>															
RM 101.72 AUGLAIZE R AT OSMAN RD															
6/19/2000	127	2			26	18	510	13.5	0.15	0.191	0.81			0.24	364
7/10/2000	264	< 2.00			17	40	749	4.36	0.03	< 0.0500	0.46			0.07	446
7/24/2000	235	< 2.00			< 10	52	821	1.07	< 0.0200	< 0.0500	0.38			0.07	482
7/31/2000	243	9.3			51	249	1440	1.56	0.114	5.12	8.85			0.82	828
8/14/2000	254	< 2.00			11	47	793	0.62	< 0.0200	0.079	0.52			0.17	473
8/21/2000	220	< 2.00			17	51	739	1.11	< 0.0200	< 0.0500	0.6			0.18	474
<i>RM 99.78 Unnamed Tributary to Auglaize R</i>															

# Appendix A

**Table A-1.** Upper Auglaize River Watershed Water Quality Data

DATE	P410	P310	P80082	P80087	P340	P940	P95	P630	P615	P610	P625	P556	P403	P665	P70300
RM 97.88 AUGLAIZE R AT AMHERST RD															
6/19/2000	127	2			23	17	498	12.8	0.17	0.242	1.38			0.24	342
7/10/2000	277	< 2.00			< 10	31	760	4.04	0.02	0.068	0.32			0.06	450
7/24/2000	252	< 2.00			< 10	40	789	0.655	< 0.0200	< 0.0500	0.4			0.05	462
7/31/2000	234	5.9			32	144	1090	0.987	0.075	2.26	3.91			0.36	624
8/14/2000	257	< 2.00			18	42	777	0.455	< 0.0200	0.057	0.67			0.2	452
8/21/2000	227	< 2.00			14	49	758	0.596	< 0.0200	0.051	0.55			0.13	480
RM 96.77 <i>Wrestle Ck</i>															
RM 96.72 <i>Camp Ck</i>															
RM 96.68 AUGLAIZE R AT GREELY CHAPEL RD															
7/10/2000	266	< 2.00			< 10	34	759	3.56	< 0.0200	< 0.0500	0.37			0.06	471
7/24/2000	228	< 2.00			< 10	35	768 B	0.555 B	< 0.0200	< 0.0500	0.35			0.07	476
7/31/2000	215	4.7			39	116	969 B	1.3 B	0.074	1.7	3.45			0.31	564
8/9/2000	211	< 2.00			34	38	657	1.48	0.034	0.053	0.87		7.88	0.18	422
8/14/2000	255	< 2.00			11	39	761	0.423	< 0.0200	< 0.0500	0.48			0.11	459
8/22/2000	226	< 2.00			17 B	44	739	0.433	< 0.0200	< 0.0500	0.35			0.13	434
10/18/2000			< 2.00	6.5		44		2.13	0.032	< 0.0500	0.81			0.17	416
11/15/2000			< 2.00	4.5		49		3.65	0.02	0.05	0.34			0.08	474
RM 93.68 <i>Virginia Ck</i>															
RM 92.89 <i>Blackhoof Ck (Uniopolis via Huffman Ck)</i>															
RM 92.48 AUGLAIZE R AT MUDSOCK RD															
7/10/2000	277	< 2.00			11	35	782	3.25	0.02	< 0.0500	0.5			0.06	454
7/24/2000	257	< 2.00			< 10	35	793 B	0.405 B	< 0.0200	< 0.0500	0.32			0.08	498
7/31/2000	228	< 2.00			16	39	745 B	0.449 B	< 0.0200	< 0.0500	0.4			0.11	456
8/14/2000	257	< 2.00			21	38	761	0.353	< 0.0200	< 0.0500	0.45			0.11	472
8/22/2000	228	< 2.00			17 B	54	775	0.366	< 0.0200	< 0.0500	0.38			0.1	458
RM 89.89 <i>Dry Run</i>															
RM 87.34 AUGLAIZE R AT DIXIE HWY															
7/12/2000	286	< 2.00			21	35	777	2.68	< 0.0200	< 0.0500	0.37			0.07	476
7/25/2000	241	< 2.00			19	40	771	0.314	< 0.0200	< 0.0500	0.41			0.1	493
8/1/2000	209	< 2.00			13	39	695	0.746	< 0.0200	0.062	0.54		8.14	0.16	426
8/15/2000	243	< 2.00			13	43	737	0.466	< 0.0200	0.086	0.675			0.15	466
8/21/2000	245	< 2.00			14	41	768	0.51	< 0.0200	0.06	0.485			0.165	471

# Appendix A

**Table A-1. Upper Auglaize River Watershed Water Quality Data**

DATE	P410	P310	P80082	P80087	P340	P940	P95	P630	P615	P610	P625	P556	P403	P665	P70300
<i>RM 86.57 Quaker Run</i>															
RM 85.30 AUGLAIZE R DST HAMILTON ST															
7/12/2000	281	< 2.00			16	83	917	2.9	0.036	0.068	0.42			0.07	578
7/25/2000	207	5.7			23	151	1090	< 0.100	< 0.0200	< 0.0500	0.46			0.06	604
8/1/2000	160	2.1			< 10	68	674	0.341	0.024	0.168	0.52		8.07	0.12	384
8/15/2000	228	2.4			16	158	1100	0.205	0.021	< 0.0500	0.59			0.08	624
8/21/2000	214	3.2			24	122	972	0.361	0.025	0.082	0.53			0.14	556
RM 84.81 WAPAKONETA WWTP MIX ZONE															
6/21/2000															
7/12/2000	290	2.1			21	119	1140	4.46	0.02	< 0.0500	0.68			0.22	676
7/25/2000	212	4.7			22	160	1190	1.58	< 0.0200	< 0.0500	0.64			0.12	684
8/1/2000	176	2.5			51	89	846	3.96	< 0.0200	0.085	0.64		7.94	0.25	484
8/15/2000	265	2.2			29	192	1560	10.1	< 0.0200	< 0.0500	0.94			0.42	914
8/21/2000	229	2.8			21	159	1250	4.32	< 0.0200	0.072	0.64			0.21	712
RM 84.10 AUGLAIZE R ADJ GREENLAWN CEMETERY															
7/12/2000	285	< 2.00			18	88	967	3.32	0.023	< 0.0500	0.51			0.12	588
7/25/2000	212	3.5			19	161	1190	2.59	< 0.0200	< 0.0500	0.68			0.14	670
8/1/2000	160	2			< 10	71	701	1.81	0.021	0.106	0.56		8.03	0.16	416
8/15/2000	236	2			16	173	1230	3.56	0.022	< 0.0500	0.83			0.17	718
8/21/2000	219	2			121	145	1090	2.81	< 0.0200	< 0.0500	0.81			0.16	624
<i>RM 83.37 Pusheta Ck</i>															
RM 80.29 AUGLAIZE R AT GLYNWOOD RD															
7/11/2000	277	< 2.00			12	69	894	3.82	< 0.0200	< 0.0500	0.47			0.1	546
7/27/2000	215	2.8			23 J	149	1150 B	2.44 B	0.03	< 0.0500	0.83 PT			0.11 PT	688
8/2/2000	179	< 2.00			17	82	804	2.61	0.03	< 0.0500	0.65			0.16	460
8/16/2000	223	2.8			22	172	1240	3.66	0.038	< 0.0500	0.9			0.15	736
8/24/2000	234	2.1			< 10	136	1140	2.85	0.027	< 0.0500	1.04 J			0.45	684
RM 75.50 AUGLAIZE R AT SR 197															
6/22/2000															
7/11/2000	278	< 2.00			15	67	904	3.24	< 0.0200	< 0.0500	0.44			0.1	564
7/27/2000	174	8			32	145	1060 B	1.45 B	0.03	< 0.0500	1.39 PT			0.16 PT	632
8/2/2000	173	< 2.00			17	77	765	2.82	0.029	0.061	0.52			0.17	454
8/16/2000	222	2.4			13	144	1130	2.6	0.038	0.167	0.9			0.11	684
8/24/2000	213	2.3			18	150	1100	1.76	0.02	0.068	0.68			0.14	658



# Appendix A

**Table A-1. Upper Auglaize River Watershed Water Quality Data**

DATE	P410	P310	P80082	P80087	P340	P940	P95	P630	P615	P610	P625	P556	P403	P665	P70300
<i>RM 74.72 AUGLAIZE R AT CR 190</i>															
6/22/2000	116	2.2			40	20	428	8.4	0.17	0.101	1.02			0.29	318
7/11/2000	278	< 2.00			12	77	919	3.56	< 0.0200	< 0.0500	0.58			0.09	566
7/27/2000	172	5.8			29	146	1080	1.72	0.028	< 0.0500	1.12			0.11	647
8/2/2000	181	< 2.00			17	84	808	1.75	0.022	0.089	0.51			0.14	486
8/16/2000	224	2.9			13	128	1100	1.97	0.021	< 0.0500	0.73			0.1	642
8/24/2000	209	3.1			15	167	1150	1.82	< 0.0200	< 0.0500	0.55			0.12	720
<i>RM 72.08 Twomile Ck</i>															
<i>RM 71.63 Sims Run</i>															
<i>RM 71.08 AUGLAIZE R AT PLACE RD</i>															
6/22/2000	112	2.6			45	18	425	8.72	0.18	0.097	1.01			0.29	326
7/11/2000	275	< 2.00			11	62	880	3.68	< 0.0200	< 0.0500	0.55			0.1	540
7/27/2000	158	7.4			29	146	1050	0.613	0.021	< 0.0500	0.72			0.07	618
8/2/2000	174	< 2.00			14	119	901	1.02	0.025	0.107	0.47			0.13	534
8/9/2000	212	2.2			34	130	1060	2.44	0.037	0.092	0.8	8.05		0.11	628
8/16/2000	223	< 2.00			14	126	1080	1.76	< 0.0200	< 0.0500	0.66			0.13	630
8/24/2000	211	< 2.00			< 10	176	1190	1.3	< 0.0200	< 0.0500	0.51			0.09	710
<i>RM 67.78 Buck Run</i>															
<i>RM 66.84 AUGLAIZE R AT CONANT RD</i>															
6/22/2000	109	2.5			45	18	414	8.83	0.19	0.095	1.06			0.31	326
7/11/2000	268	< 2.00			14	61	867	4.38	< 0.0200	< 0.0500	0.6			0.11	538
7/27/2000	161	7.1			26	132	996	0.228	0.022	< 0.0500	0.85			0.11	606
8/2/2000	202	2.2			11	169	1170	2	0.024	< 0.0500	0.46			0.12	706
8/16/2000	215	2.9			13	141	1080	0.867	< 0.0200	< 0.0500	0.68			0.12	634
8/24/2000	202	2.4			< 10	152	1130	2.08	0.021	0.053	0.63			0.1	696
<i>RM 63.54 Unnamed Tributary to Auglaize R</i>															
<i>RM 62.84 AUGLAIZE R AT SHAFFER RD</i>															
7/11/2000	270	< 2.00			11	55	845	4.16	0.02	< 0.0500	0.56		8.17	0.12	532
7/25/2000	161	5.5			28	107	916	< 0.100	< 0.0200	< 0.0500	0.54			0.13	516
8/1/2000	173	3			13	126	984	0.206	0.021	0.096	0.38			0.15	567
8/9/2000	215	< 2.00			28	94	930	1.08	0.024	0.083	0.44		7.92	0.13	560
8/15/2000	203	3.8			19	137	1050	< 0.100	< 0.0200	< 0.0500	0.67			0.15	628
8/22/2000	222	3			17	144	1140	1.22	0.023	0.051	0.49			0.14	850

# Appendix A

**Table A-1. Upper Auglaize River Watershed Water Quality Data**

DATE	P410	P310	P80082	P80087	P340	P940	P95	P630	P615	P610	P625	P556	P403	P665	P70300
<i>RM 62.31 Sixmile Ck (Spencerville)</i>															
RM 60.40 AUGLAIZE R AT ZION CHURCH RD															
7/11/2000	268	< 2.00			17	57	864	4.42	0.02	< 0.0500	0.56		8.17	0.15	540
7/25/2000	166	3.9			19	108	930	< 0.100	< 0.0200	< 0.0500	0.43			0.13	534
8/1/2000	170	3.1			16	131	1030 B	1.65 B	0.287	0.376	0.76			0.4	654
8/15/2000	217	2.7			16	142	1100	< 0.100	< 0.0200	< 0.0500	0.65			0.17	658
8/22/2000	224	2.3			14	134	1110	1.08	< 0.0200	< 0.0500	0.5			0.14	654
RM 58.20 AUGLAIZE R AT PIQUAD RD															
6/26/2000	178	< 2.00			44	30	621	7.84	0.08	0.062	0.775			0.22	412
7/11/2000	267	< 2.00			14	57	852	4.46	0.02	< 0.0500	0.58		8.13	0.15	540
7/25/2000	169	4.5			28	105	919	< 0.100	< 0.0200	< 0.0500	0.5			0.14	526
8/1/2000	173	2.8			< 10	134	1020 B	0.539 B	0.033	0.089	0.48			0.19	660
8/9/2000	204	< 2.00			28	90	919	1.05	0.021	0.07	0.49		8.07	0.18	563
8/15/2000	216	3.8			16	141	1070	< 0.100	< 0.0200	< 0.0500	0.81			0.16	652
8/22/2000	221	2.8			20	127	1090	0.816	< 0.0200	< 0.0500	0.46			0.15	624
10/18/2000			< 2.00	5.7		77		1.92	0.035	< 0.0500	0.695			0.215	512
11/15/2000			< 2.00	5.5		82		3.78	0.02	< 0.0500	0.57			0.15	544
<i>RM 55.51 Pigeon Run</i>															
RM 52.68 AUGLAIZE R AT LINCOLN HWY															
6/26/2000	153	< 2.00			41	24	540	8.92	0.09	0.064	3.2			0.22	370
7/11/2000	256	< 2.00			89	50	792	4.57	< 0.0200	< 0.0500	0.62		8.41	0.12	502
7/25/2000	163	2.8			19	80	960	< 0.100	< 0.0200	< 0.0500	0.65			0.09	558
8/1/2000	167	4.4			19	110	929 B	< 0.100	< 0.0200	< 0.0500	0.47			0.16	602
8/9/2000	195	< 2.00			18 PT	97	916	0.974	0.02	0.066	0.5		7.92	0.2	554
8/15/2000	213	2.7			16	133	1050	< 0.100	< 0.0200	< 0.0500	0.63			0.13	628
8/22/2000	210	2.1			17	134	1070	0.107	< 0.0200	< 0.0500	0.56			0.135	614
<i>RM 47.02 Jennings Ck (Delphos)</i>															
RM 46.10 AUGLAIZE R ADJ SR 189															
6/28/2000	180	< 2.00			25	32	634	8.57	0.06	< 0.0500	0.85			0.18	410
7/13/2000	234	< 2.00			19	61	843	4.51	0.024	< 0.0500	0.56			0.12	521
7/26/2000	168	2.5			19	113	1030	0.171	< 0.0200	< 0.0500	0.4			0.17	616
8/3/2000	160	4.3			21	92	850	0.261	< 0.0200	< 0.0500	0.53		7.97	0.23	496
8/17/2000	197	2.7			19	119	1050	0.748	0.064	0.068	0.72			0.13	613
8/24/2000	177	2.5			22	141	1100	1.12	0.029	0.064	0.43			0.23	662

# Appendix A

**Table A-1.** Upper Auglaize River Watershed Water Quality Data

DATE	P410	P310	P80082	P80087	P340	P940	P95	P630	P615	P610	P625	P556	P403	P665	P70300
<i>RM 44.90 Big Run</i>															
RM 39.57 AUGLAIZE R AT SR 224															
7/13/2000	219	< 2.00			16	54	788	5.06	< 0.0200	< 0.0500	0.52			0.14	496
7/26/2000	153	5.3			27	104	954	< 0.100	< 0.0200	< 0.0500	0.71			0.12	574
8/3/2000	174	3.2			23	101	987	0.434	0.02	< 0.0500	0.62		8.12	0.17	586
8/9/2000	180	2.6			37	106	930	0.947	0.022	< 0.0500	0.62		7.96	0.17	562
8/17/2000	197	2.3			16	111	984	< 0.100	< 0.0200	< 0.0500	0.48			0.16	560
8/24/2000	179	3.3			21	122	995	< 0.100	< 0.0200	< 0.0500	0.42			0.19	612
10/18/2000			< 2.00	6.2				101	0.856	< 0.0200	< 0.0500	0.57		0.11	554
11/15/2000			< 2.00	5.7				153	1.93	< 0.0200	< 0.0500	0.52		0.11	716
RM 33.93 AUGLAIZE R AT CR M															
6/28/2000	185	< 2.00			23	36	652	9.79	0.04	0.056	0.76			0.18	422
7/13/2000	216	2			25	52	776	5.44	0.02	< 0.0500	0.63			0.13	488
7/26/2000	176	4.6			63	90	906	< 0.100	< 0.0200	< 0.0500	0.62			0.15	556
8/3/2000	176	5.7			25	122	1040	< 0.100	< 0.0200	< 0.0500	0.94		8.36	0.17	626
8/17/2000	200	2		< 10		100	937	< 0.100	< 0.0200	< 0.0500	0.39			0.2	544
8/24/2000	167	5.6			28	144	1080	< 0.100	< 0.0200	< 0.0500	0.79			0.16	648
<i>RM 33.26 Ottawa River</i>															
<i>RM 30.53 Unnamed Tributary to Auglaize R</i>															
RM 28.50 AUGLAIZE R AT SR 114															
7/13/2000	191	4.1			25	80	913	4.68	< 0.0200	< 0.0500	0.78			0.11	556
7/26/2000	156	4.6			32	136	1200	4.25	0.053	< 0.0500	1.24			0.18	782
8/3/2000	143	3.1			25	112	929	1.01	0.049	0.079	0.55		8.04	0.28	572
8/9/2000	159	4			31	91	859	2.19	0.024	< 0.0500	0.91		8.02	0.21	530
8/17/2000	174	2.5			16	122	1100	1.1	0.024	0.05	0.64			0.22	698
8/24/2000	150	6.6			22	125	1000	0.95	0.025	< 0.0500	0.86			0.22	612
<i>RM 28.00 Lapp Ditch (Cloverdale)</i>															
<i>RM 26.20 Blanchard River</i>															
<i>RM 25.51 Unnamed Tributary to Auglaize R (Dupont)</i>															

# Appendix A

**Table A-1. Upper Auglaize River Watershed Water Quality Data**

DATE	P410	P310	P80082	P80087	P340	P940	P95	P630	P615	P610	P625	P556	P403	P665	P70300
RM 19.30 AUGLAIZE R AT SR 613															
7/13/2000	206	3.9			19	50	766	4.9	0.02	< 0.0500	0.6			0.11	482
7/26/2000	176	5.1			26	74	868	1.53	0.026	< 0.0500	0.59			0.1	592
8/3/2000	134	2.2			28	52	655	2.88	0.042	0.052	0.68		7.93	0.26	406
8/9/2000	151	< 2.00			37	39	602	2.69	0.041	< 0.0500	0.71		7.82	0.24	392
8/24/2000	164	5.8			34	114	993	1.02	0.026	< 0.0500	0.47			0.11	610
10/18/2000			< 2.00	6		110		4.23	0.053	0.134	1.14			0.18	648
11/15/2000			< 2.00	6.2		96		1.09	< 0.0200	< 0.0500	0.42			0.18	596
RM 18.77 Prairie Ck (Oakdale)															
<b>AUGLAIZE R TRIB I (108.90)</b>															
RM 0.28 AUGLAIZE R TRIB I (108.90) AT FAULKNER RD															
6/19/2000	120	< 2.00			17	16	478	13.4	0.11	0.245	1.52			0.19	352
7/10/2000	216	< 2.00			17	32	652	4.33	0.03	< 0.0500	0.52			< 0.0500	368
7/24/2000	241	2			22	47	659	0.405	< 0.0200	0.06	0.69			0.05	412
7/31/2000	186	< 2.00			29	40	604	2.95	0.027	< 0.0500	0.95			0.08	364
8/14/2000	223	< 2.00			18	49	686	< 0.100	< 0.0200	0.052	0.505			0.06	388
8/21/2000	223	< 2.00			21	50	715	< 0.100	< 0.0200	< 0.0500	0.53			0.06	444
<b>MANAHAN DITCH</b>															
RM 1.75 MANAHAN DITCH AT PHILLIPS RD															
6/19/2000	124	< 2.00			30	24	547	15.9	0.17	0.156	1.34			0.27	365
7/10/2000	256	< 2.00			20	67	787	2.06	0.1	0.369	0.82			0.15	454
7/24/2000	236	< 2.00			16	115	999	4.82	< 0.0200	0.056	0.89			0.27	564
7/31/2000	231	< 2.00			22	108	922	0.669	0.054	0.092	0.85			0.43	470
8/14/2000	274	< 2.00			21	128	1070	3.38	< 0.0200	< 0.0500	0.81			0.44	622
8/21/2000	255	< 2.00			21	128	1050	1.22	< 0.0200	0.069	0.6			0.5	624
<b>MANAHAN DITCH TRIB (2.91)</b>															
RM 0.45 MANAHAN DITCH TRIB (2.91) DST HARROD LAGOONS															
6/19/2000	188	8.2			34	164	1150	11.1	0.72	0.421	2.06			0.94	690
7/10/2000	286	8.3			51	224	1370	0.459	0.18	0.052	1.57			1.04	760
7/24/2000	242	7.9			50	285	1630	< 0.100	0.042	0.223	2.29			1.25	900
7/31/2000	242	4.3			32	269	1450	0.394	0.084	0.224	1.96			0.97	816
8/14/2000	263	8.7			49	352	1800	1.36	0.0538	0.527	2.21			1.13	1000
8/21/2000	276	12.2			36	363	1930	3.33	1.175	0.616	3.11			2.32	1070

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**Table A-1. Upper Auglaize River Watershed Water Quality Data**

DATE	P410	P310	P80082	P80087	P340	P940	P95	P630	P615	P610	P625	P556	P403	P665	P70300
<b>AUGLAIZE R TRIB II (103.69) - Westminster Trib</b>															
RM 0.44 AUGLAIZE R TRIB II (103.69) ADJ CEMETARY															
6/19/2000	126	< 2.00			20	43	657	14.3	0.14	0.281	0.95			0.16	430
7/10/2000	276	2			14	263	1800	10.3	0.4	0.584	1.19			0.25	1090
7/24/2000	401	< 2.00			28	497	2790	5.2	0.13	0.109	0.89			0.23	1670
7/31/2000	217	18.6			224	328	1780	0.667	0.195	34	53.7			5.34	986
8/14/2000	238	< 2.00			24	163	1230	0.929	0.167	0.257	1.2			0.39	716
8/21/2000	185	< 2.00			30	116	997	1.82	0.084	0.237	1.15			0.37	630
RM 0.25 AUGLAIZE R TRIB II (103.69) UST SR 117															
6/19/2000	128	2			19	50	677	13.2	0.15	0.371	1.59			0.2	444
7/10/2000	302	2.8			17	241	1740	6.72	0.34	0.359	1.08			0.22	1030
7/24/2000	402	28			123	258	2110	< 0.100	< 0.0200	0.1	2.34			1.11	1280
7/31/2000	576	48.6			90	1390	5840	2.34	0.218	7.78	13.5			1.7	3260
8/14/2000	383	56.1			118 PT	364	2430	0.11	0.024	0.689	2.96			1.63	1490
8/21/2000	221	5			36	209	1390	5.24	0.141	0.835	1.81			0.77	818
RM 0.17 AUGLAIZE R TRIB II (103.69) DST MCPHERON RD															
6/19/2000	107	4.1			40	53	594	7.06	0.11	0.349	1.52			0.26	404
7/10/2000	357	8			27	402	2330	3.19	0.34	2.8	4			0.58	1360
7/24/2000	236	28 E			81	473	2760	< 0.100	< 0.0200	5.97	8.16			1.84	1560
7/31/2000	587	62.8			293	1340	5810	0.287	0.16	34.4	55.7	< 2.00 R	8.07	6.77	3220
8/14/2000	416	48.6			93	823	3760	< 0.100	< 0.0200	7.39	10			2.79	2120
8/21/2000	305	9.6			36	513	2560	0.209	0.106	4.74	6.38			1.28	1460
<b>AUGLAIZE R TRIB III (99.78)</b>															
RM 0.60 AUGLAIZE R TRIB III (99.78) AT OSMAN RD															
6/19/2000	159	< 2.00			34	15	481	5.41	0.08	0.083	1.14			0.24	322
7/10/2000	318	< 2.00			< 10	20	728	2.19	0.02	< 0.0500	0.3			0.05	436
7/24/2000	243	< 2.00			< 10	20	717	0.493	< 0.0200	< 0.0500	0.51			0.06	416
7/31/2000	268	< 2.00			< 10	19	675	0.383	< 0.0200	< 0.0500	0.35			0.13	406
8/14/2000															
8/21/2000	278	< 2.00			11	21	702	0.166	< 0.0200	< 0.0500	0.21			0.13	438

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Table A-1. Upper Auglaize River Watershed Water Quality Data

DATE	P410	P310	P80082	P80087	P340	P940	P95	P630	P615	P610	P625	P556	P403	P665	P70300
<b>WRESTLE CK</b>															
RM 4.69 WRESTLE CK AT GRAHAM RD															
6/20/2000	220	< 2.00			23	24	702	7.7	0.05	< 0.0500	0.92			0.08	463
7/10/2000	298	< 2.00			11	35	772	2.11	< 0.0200	0.058	0.63			0.06	468
7/24/2000	267	< 2.00			< 10	28	778	B 0.309	< 0.0200	< 0.0500	0.3			0.07	490
7/31/2000	215	< 2.00			19	41	676	B 1.57	< 0.0200	< 0.0500	0.59			0.09	420
8/14/2000	267	< 2.00			11	29	740	0.101	< 0.0200	< 0.0500	0.31			0.07	462
8/22/2000	246	< 2.00			11	B 40	746	< 0.100	< 0.0200	0.452	0.79			0.13	440
RM 0.34 WRESTLE CK AT RIVER RD															
6/20/2000	221	< 2.00			12	24	712	9.03	0.08	< 0.0500	0.76			0.06	464
7/10/2000	267	< 2.00			< 10	30	752	2.2	0.02	< 0.0500	0.41			< 0.0500	458
7/24/2000	268	< 2.00			< 10	26	717	B 0.483	< 0.0200	< 0.0500	0.3			< 0.0500	446
7/31/2000	249	< 2.00			< 10	25	717	B 0.324	< 0.0200	< 0.0500	0.25			< 0.0500	445
8/14/2000	256	< 2.00			11	24	747	0.132	< 0.0200	< 0.0500	0.31			< 0.0500	470
8/22/2000	242	< 2.00			< 10	24	724	< 0.100	< 0.0200	< 0.0500	0.265			0.055	442
<b>CAMP CK</b>															
RM 2.30 CAMP CK AT YODER RD															
6/19/2000	139	< 2.00			23	34	661	17.6	0.18	0.349	1.45			0.17	458
7/10/2000	276	< 2.00			11	54	890	4.56	0.04	0.064	0.37			0.14	536
7/24/2000	298	< 2.00			< 10	32	843	1.64	< 0.0200	< 0.0500	0.25			0.06	512
7/31/2000	240	2			13	94	961	1.1	0.066	0.512	0.935			0.18	600
RM 0.60 CAMP CK AT AMHERST RD															
6/19/2000	154	< 2.00			26	44	695	13.4	0.12	0.204	1.23			0.14	452
7/10/2000	265	< 2.00			11	40	856	1.94	0.02	0.079	0.37			0.07	528
7/24/2000	255	< 2.00			< 10	30	859	0.208	< 0.0200	0.073	0.39			0.11	516
7/31/2000	255	< 2.00			< 10	36	801	0.178	0.02	0.181	0.42			0.14	514
8/14/2000	263	< 2.00			15	57	889	0.14	< 0.0200	0.171	0.55			0.15	544
8/21/2000	184	< 2.00			27	80	799	0.686	0.032	0.128	0.77			0.17	516
<b>VIRGINIA CK</b>															
RM 1.41 VIRGINIA CK AT BUCKLAND HOLDEN RD															
6/20/2000	223	< 2.00			< 10	28	731	11.1	0.08	< 0.0500	0.43			0.07	458
7/10/2000	274	< 2.00			11	39	798	1.66	0.02	< 0.0500	0.62			0.12	490
7/24/2000	254	< 2.00			12	37	848	B < 0.100	< 0.0200	< 0.0500	0.4			0.2	530
7/31/2000	266	< 2.00			< 10	24	699	B 0.323	< 0.0200	0.072	0.47			0.38	452
8/14/2000	288	< 2.00			11	23	721	< 0.100	< 0.0200	< 0.0500	0.37			0.17	424
8/22/2000	264	< 2.00			11	B 24	699	< 0.100	< 0.0200	< 0.0500	0.29			0.15	414

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Table A-1. Upper Auglaize River Watershed Water Quality Data

DATE	P410	P310	P80082	P80087	P340	P940	P95	P630	P615	P610	P625	P556	P403	P665	P70300
<b>BLACKHOOF CK</b>															
RM 3.28 BLACKHOOF CK UST BLANK PIKE RD															
6/20/2000	248	< 2.00			< 10	31	845	11	0.05	< 0.0500	0.35			< 0.0500	472
7/10/2000	317	< 2.00			< 10	28	837	2.02	< 0.0200	< 0.0500	0.25			< 0.0500	508
7/24/2000	296	< 2.00			< 10	23	799 B	0.476 B	< 0.0200	< 0.0500	0.245			< 0.0500	494
7/31/2000	291	< 2.00			< 10	30	811 B	0.317 B	< 0.0200	< 0.0500	< 0.200			< 0.0500	504
8/14/2000	304	< 2.00			< 10	28	815	0.204	< 0.0200	< 0.0500	0.2			0.05	508
8/22/2000	299	< 2.00			41 B	21	797	0.122	< 0.0200	< 0.0500	< 0.200			< 0.0500	484
RM 0.78 BLACKHOOF CK AT HENGSTLER RD															
6/20/2000	247	< 2.00			< 10	33	856	10.4	0.05	0.057	0.38			< 0.0500	474
7/10/2000	309	< 2.00			< 10	30	858	1.69	< 0.0200	0.068	0.32			< 0.0500	550
7/24/2000	297	< 2.00			< 10	25	810 B	0.201 B	< 0.0200	< 0.0500	0.23			< 0.0500	518
7/31/2000	281	< 2.00			< 10	27	821 B	0.254 B	< 0.0200	< 0.0500	0.24			< 0.0500	516
8/14/2000	300	< 2.00			< 10	30	848	0.178	< 0.0200	< 0.0500	0.23			< 0.0500	526
8/22/2000	294	< 2.00			11 B	32	863	< 0.100	< 0.0200	0.211	0.4			0.08	536
<i>RM 0.50 Huffman Ck (Uniopolis)</i>															
<b>HUFFMAN CK</b>															
RM 1.69 HUFFMAN CK AT MILL ST															
6/20/2000	222	< 2.00			13	30	774	15.2	0.06	0.053	0.38			0.06	484
7/10/2000	293	< 2.00			11	39	820	4.24	0.04	< 0.0500	0.65			< 0.0500	486
7/24/2000	180	< 2.00			< 10	55	899 B	1.42 B	0.029	0.078	0.44			0.06	550
7/31/2000	284	< 2.00			< 10	73	953 B	1.81 B	0.057	0.107	0.62			0.11	583
8/14/2000	316	< 2.00			11	48	911	0.534	< 0.0200	0.073	0.37			0.07	550
8/22/2000	302	< 2.00			14 B	57	924	0.589	0.02	0.076	0.39			0.08	558
RM 1.63 HUFFMAN CK AT UNIOPOLIS - SR 65															
6/20/2000	226	< 2.00			79	38	805	15	0.07	0.071	0.4			0.06	430
7/10/2000	289	< 2.00			11	60	901	3.34	0.05	0.085	0.59			0.13	531
7/24/2000	286	< 2.00			< 10	52	904 B	1.32 B	0.025	0.07	0.42			0.1	546
7/31/2000	292	< 2.00			13	106	1070 B	1.24 B	0.115	0.228	0.79			0.42	624
8/14/2000	323	2.6			15	102	1090	0.469	0.058	0.328	0.75			0.52	659
8/22/2000	310	< 2.00			15 B	104	1100	0.486	0.042	0.352	0.78			0.47	654

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**Table A-1. Upper Auglaize River Watershed Water Quality Data**

DATE	P410	P310	P80082	P80087	P340	P940	P95	P630	P615	P610	P625	P556	P403	P665	P70300
RM 0.33 HUFFMAN CK AT TOWNLINE-LIMA RD															
6/20/2000	225	< 2.00			< 10	42	804	13.1	0.06	< 0.0500	0.48			0.07	440
7/10/2000	301	< 2.00			< 10	51	858	2.22	0.02	< 0.0500	0.42			0.07	516
7/24/2000	292	< 2.00			< 10	46	886 B	0.322 B	< 0.0200	< 0.0500	0.29			0.1	557
7/31/2000	290	< 2.00			< 10	83	987 B	1.18 B	< 0.0200	< 0.0500	0.44			0.22	598
8/14/2000	314	< 2.00			< 10	77	990	0.144	< 0.0200	< 0.0500	0.25			0.14	610
8/22/2000	306	< 2.00			14 B	72	982	0.173	< 0.0200	< 0.0500	0.26			0.14	596
<b>DRY RUN</b>															
RM 0.27 DRY RUN AT SR 67															
6/20/2000	193	< 2.00			< 10	35	749	18.7	0.08	< 0.0500	0.56			0.06	484
7/10/2000	232	< 2.00			11	47	735	3.51	0.06	0.068	0.68			0.05	438
7/24/2000	193	< 2.00			28	63	664 B	< 0.100	< 0.0200	0.067	0.85			0.09	450
7/31/2000	189	2.4			26	71	687 B	0.102 B	< 0.0200	0.079	0.98			0.12	408
8/14/2000	272	< 2.00			22	79	867	0.369	< 0.0200	0.054	0.8			0.18	510
8/22/2000	249	2.7			26 B	93	873	0.391	< 0.0200	0.144	0.81			0.21	536
<b>QUAKER RUN</b>															
RM 0.08 QUAKER RUN AT SR 67															
6/21/2000	118	3.3			73	21	460 B	7.17	0.17	0.126	0.84			0.24	294
7/12/2000	250	< 2.00			18	27	712	1.07	< 0.0200	< 0.0500	0.38			< 0.0500	448
7/25/2000	225	< 2.00			12	31	762	0.251	< 0.0200	< 0.0500	0.37			0.06	450
8/1/2000	217	< 2.00			< 10	26	720	0.568	< 0.0200	0.079	0.41		8.2	0.06	444
8/15/2000	224	< 2.00			< 10	27	742	0.182	< 0.0200	< 0.0500	0.23			0.19	456
8/21/2000	206	< 2.00			< 10	26	723	0.247	< 0.0200	< 0.0500	0.25			0.11	448
<b>PUSHETA CK</b>															
RM 12.42 PUSHETA CK AT ASHBURN RD															
6/21/2000	98	2.3			45	13	365 PQ	8.58	0.16	0.065	0.95			0.27	342 PQ
7/12/2000	299	< 2.00			< 10	20	797	1.64	0.032	< 0.0500	0.33			0.06	512
7/25/2000	270	< 2.00			12	18	831	0.16	< 0.0200	< 0.0500	0.28			0.08	542
8/1/2000	255	< 2.00			13	20	757	0.19	< 0.0200	< 0.0500	0.32		8.02	0.14	480
8/15/2000	290	< 2.00			< 10	18	835	< 0.100	< 0.0200	< 0.0500	0.4			0.14	588
8/21/2000	270	< 2.00			33	33	828	< 0.100	< 0.0200	< 0.0500	0.36			0.16	544



# Appendix A

**Table A-1. Upper Auglaize River Watershed Water Quality Data**

DATE	P410	P310	P80082	P80087	P340	P940	P95	P630	P615	P610	P625	P556	P403	P665	P70300
<i>RM 10.58 PUSHETA CK AT TOWNLINE RD</i>															
6/21/2000	116	2			35	14	433	B	11.6	0.15	0.072	0.96		0.23	342
7/12/2000	300	< 2.00			< 10	24	809		2.66	0.024	< 0.0500	0.48		0.05	506
7/25/2000	270	< 2.00			12	23	850		0.271	< 0.0200	< 0.0500	0.39		0.08	558
8/1/2000	212	< 2.00			26	41	710		2.95	0.04	0.05	0.86	7.9	0.18	462
8/15/2000	303	< 2.00			13	25	867	< 0.100	< 0.0200	< 0.0500	0.56			0.13	594
8/21/2000	276	< 2.00			11	26	832	< 0.100	< 0.0200	0.05	0.45			0.12	560
<i>RM 8.58 PUSHETA CK AT FRYBURG SHELBY RD</i>															
6/21/2000	123	2			28	15	461	B	12.5	0.14	0.086	0.96		0.24	344
7/12/2000	300	< 2.00			< 10	24	801		2.46	< 0.0200	< 0.0500	0.42		< 0.0500	484
7/25/2000	273	< 2.00			< 10	25	836		1.97	< 0.0200	< 0.0500	0.36		0.05	556
8/1/2000	240	< 2.00			16	28	741		1.87	0.036	< 0.0500	0.6	8.03	0.22	464
8/15/2000	292	< 2.00			< 10	28	846		0.982	< 0.0200	< 0.0500	0.43		0.06	552
8/21/2000	268	< 2.00			14	32	832		0.978	< 0.0200	< 0.0500	0.39		0.09	530
<i>RM 2.87 Pusheta Ck Tributary</i>															
<i>RM 2.85 PUSHETA CK DST HARDIN PIKE</i>															
7/12/2000	258	< 2.00			18	84	1010		7.33	0.026	< 0.0500	0.48		0.08	618
7/25/2000	216	< 2.00			16	204	1580		23.4	0.041	< 0.0500	0.81		0.4	960
8/1/2000	203	< 2.00			26	116	1030		11.8	0.063	< 0.0500	0.74	8.17	0.2	620
8/15/2000	229	< 2.00			< 10	243	1770		28.3	0.055	< 0.0500	0.92		0.31	1090
8/21/2000	245	< 2.00			14	56	881		1.2	< 0.0200	< 0.0500	0.33		0.06	560
<i>RM 0.53 Owl Ck</i>															
<i>RM 0.35 PUSHETA CK AT CR 33A</i>															
6/21/2000	92	5.5			42	14	383	B	10.5	0.25	0.19	1.32		0.46	320
7/12/2000	279	< 2.00			12	63	918		4.32	0.025	< 0.0500	0.46		0.07	574
7/25/2000	215	< 2.00			19	60	884		1.04	< 0.0200	< 0.0500	0.48		0.06	574
8/1/2000	180	2.8			29	96	865		8.37	0.092	< 0.0500	1.3	8.22	0.21	550
8/15/2000	221	< 2.00			< 10	76	992		1.71	0.03	< 0.0500	0.56		0.08	646
8/21/2000	216	< 2.00			17	113	1080		7.23	0.046	< 0.0500	0.75		0.17	666
10/18/2000			< 2.00	5.7		195		10.4	0.044	< 0.0500	0.83			0.14	861
11/15/2000			7.3	13		104		9.64	0.05	0.962	1.42			0.13	642

# Appendix A

**Table A-1. Upper Auglaize River Watershed Water Quality Data**

DATE	P410	P310	P80082	P80087	P340	P940	P95	P630	P615	P610	P625	P556	P403	P665	P70300
<b>PUSHETA CK TRIB (2.87)</b>															
RM 0.50 PUSHETA CK TRIB (2.87) AT OWL CREEK RD															
6/21/2000	90	3.6			26	13	362	B	11.2	0.2	< 0.0500	1.31		0.26	298
7/12/2000	313	< 2.00			15	69	927		0.899	< 0.0200	0.051	0.33		0.08	562
7/25/2000	285	< 2.00			13	64	972		0.307	< 0.0200	< 0.0500	0.4		< 0.0500	594
8/1/2000	202	< 2.00			22	45	652		2.07	0.038	< 0.0500	0.89	8.06	0.12	402
8/15/2000	304	< 2.00			< 10	72	1000		0.173	< 0.0200	0.086	0.56		0.08	626
8/21/2000	283	< 2.00			11	51	879		0.192	< 0.0200	< 0.0500	0.21		0.11	562
<b>OWL CK</b>															
RM 3.03 OWL CK AT OWL CREEK RD															
6/21/2000	79	2.7			51	12	332	PQ	9.8	0.23	0.131	1.17		0.56	294 PQ
7/12/2000	267	< 2.00			21	56	835		2.76	0.024	0.057	0.64		0.05	504
7/25/2000	216	2.2			44	11	603		0.98	0.337	0.342	1.19		0.08	380
8/1/2000	179	7.6			61	60	728		5.56	0.252	0.113	2.68	7.87	0.97	480
8/15/2000	274	< 2.00			19	117	1080		2.17	0.068	0.133	0.995		0.195	618
8/21/2000	228	< 2.00			30	57	776		1.36	0.022	< 0.0500	0.84		0.24	470
RM 0.40 OWL CK AT KOHLER RD.															
6/21/2000	79	6.5			59	12	340	PQ	10.7	0.32	0.207	1.63		0.74	292 PQ
7/12/2000	281	< 2.00			24	43	894		1.47	0.04	0.055	0.605		0.05	558
7/25/2000	218	< 2.00			22	48	953		1.46	0.048	< 0.0500	0.81		< 0.0500	634
8/1/2000	152	6.7			55	49	615		4.51	0.123	0.053	1.9	7.93	0.4	410
8/15/2000	234	< 2.00			19	88	1010		0.33	< 0.0200	0.075	0.72		0.07	662
8/21/2000	216	< 2.00			21	51	781		0.338	0.024	0.054	0.81		0.09	478
<b>TWOMILE CK</b>															
RM 8.10 TWOMILE CK AT HOLDEN RD (CR 190)															
6/22/2000	136	< 2.00			17	47	654		16.5	0.19	0.104	0.94		0.14	460
7/11/2000	207	< 2.00			21	99	870		5.43	0.05	0.065	0.855		0.17	530
7/27/2000	207	< 2.00			29	272	1420	B	< 0.100	< 0.0200	0.061	0.94	PT	0.15	PT 814
8/2/2000	166	< 2.00			21	93	747		0.418	0.036	< 0.0500	0.585		0.32	436
8/16/2000	197	< 2.00			22	133	960		< 0.100	< 0.0200	0.163	0.82		0.21	542
8/24/2000	200	< 2.00			12	180	1100		< 0.100	< 0.0200	0.104	0.68		0.16	602

RM 3.05 Oakview Trib (0.5) via unnamed Tributary to Twomile Ck

# Appendix A

**Table A-1. Upper Auglaize River Watershed Water Quality Data**

DATE	P410	P310	P80082	P80087	P340	P940	P95	P630	P615	P610	P625	P556	P403	P665	P70300
RM 1.20 TWOMILE CK AT BOWSHER RD															
6/22/2000	154	< 2.00			20	47	686	14.8	0.16	0.088	0.83			0.13	464
7/11/2000	244	< 2.00			15	60	845	4.33	0.04	< 0.0500	0.58			0.05	536
7/27/2000	221	< 2.00			23	54		< 0.100	< 0.0200	< 0.0500	0.45			0.08	572
8/2/2000	195	< 2.00			21	162	1090	< 0.100	< 0.0200	< 0.0500	0.67			0.1	658
8/16/2000	222	< 2.00			13	82	940	< 0.100	< 0.0200	< 0.0500	0.62			0.1	568
8/24/2000	226	< 2.00			< 10	149	1190	< 0.100	< 0.0200	0.057	0.45			0.12	779
RM 0.12 TWOMILE CK AT SR 198															
6/22/2000	144	< 2.00			12	42	657	14.6	0.18	0.121	0.965			0.135	457
7/11/2000	261	< 2.00			12	52	855	4.63	0.04	< 0.0500	0.62			0.06	542
7/27/2000	212	< 2.00			23	56	878	B 0.541	B 0.02	< 0.0500	0.49			0.07	566
8/2/2000	154	< 2.00			14	70	717	0.866	0.07	0.19	0.69			0.08	342
8/16/2000	208	< 2.00			13	84	913	0.339	0.1	< 0.0500	0.53			0.13	546
8/24/2000	195	< 2.00			< 10	80	895	0.304	< 0.0200	0.051	0.31			0.09	678
<b>OAKVIEW TRIB</b>															
RM ??? OAKVIEW TRIB AT BREESE RD															
6/22/2000	232	6.4			23	328	1680	2.31	0.81	2.11	3.19			1	1020
7/11/2000	423	11			30	827	3760	0.703	0.48	7.8	9.48			1.91	2190
7/27/2000	504	8			41	1550	6190	B 0.649	B 0.701	9.3	13.4			2.72	3720
8/2/2000	466	4.9			36	1160	5200	1.3	1.192	8.55	11.6			2.72	3110
8/16/2000	507	8.4			103	1550	6380	1.32	1.173	8.72	11.3			2.96	3770
8/24/2000	465	13.1			40	1390	5910	1.74	1.235	8.58	11.1			3.18	3560
<b>SIMS RUN</b>															
RM 4.37 SIMS RUN AT CONANT RD															
6/22/2000	164	< 2.00			< 10	44	709	18.8	0.08	< 0.0500	0.42			0.13	462
7/11/2000	203	< 2.00			18	90	829	5.98	0.08	0.19	0.9			0.14	492
7/27/2000	227	22			75	228	1300	B 0.556	B 0.138	0.957	4.31	PT		0.62	PT 710
8/2/2000	228	16.4			46	237	1310	0.444	0.11	1.82	4.61			0.56	702
8/16/2000	275	13.2			50	284	1550	< 0.100	0.031	1.8	3.28			0.77	856
8/24/2000	264	13.4			37	348	1760	< 0.100	0.046	4.27	6.58			1.14	970

# Appendix A

Table A-1. Upper Auglaize River Watershed Water Quality Data

DATE	P410	P310	P80082	P80087	P340	P940	P95	P630	P615	P610	P625	P556	P403	P665	P70300
RM 0.82 SIMS RUN AT NATIONAL RD															
6/22/2000	156	< 2.00			12	42	683	17.4	0.07	< 0.0500	0.51			0.1	456
7/11/2000	225	< 2.00			15	43	728	8.32	0.08	< 0.0500	0.73			0.09	464
7/27/2000	124	12			63	73	664	B < 0.100	0.047	< 0.0500	1.23			0.16	404
8/2/2000	173	< 2.00			36	79	772	< 0.100	0.08	0.943	2.52			0.18	464
8/16/2000															
8/24/2000	215	2.7			< 10	78	780	< 0.100	0.022	< 0.0500	0.36			0.1	462
<b>BUCK RUN</b>															
RM 0.57 BUCK RUN AT SUNDERLAND RD															
6/22/2000	141	< 2.00			23	56	776	15.1	0.2	0.082	1.26			0.14	528
7/11/2000	230	< 2.00			17	109	1110	4.63	0.04	0.068	0.88			0.13	748
7/27/2000	264	< 2.00			16	186	1770	B < 0.100	< 0.0200	< 0.0500	0.81			0.07	1240
8/2/2000	246	< 2.00			11	164	1600	0.112	< 0.0200	< 0.0500	0.53			0.1	1050
8/16/2000	248	< 2.00			13	246	1880	< 0.100	< 0.0200	0.083	0.69			0.12	1250
8/24/2000	234	< 2.00			< 10	204	1810	0.238	< 0.0200	0.133	0.57			0.08	1270
<b>AUGLAIZE R TRIB IV (63.54)</b>															
RM 0.43 AUGLAIZE R TRIB IV (63.54) AT DEFIANCE TRAIL															
6/26/2000	101	< 2.00			35	20	448	11.5	0.12	0.084	1.01			0.2	354
7/11/2000	203	< 2.00			20	58	841	8.42	0.07	0.087	0.83		7.69	0.08	542
7/25/2000	365	< 2.00			< 10	71	1500	0.125	< 0.0200	0.115	0.31			< 0.0500	938
8/1/2000	337	< 2.00			< 10	68	1340	B < 0.100	< 0.0200	0.122	0.315			0.06	966
8/15/2000															
8/22/2000	362	< 2.00			17	85	1510	< 0.100	< 0.0200	0.107	0.31			0.05	1030
<b>SIXMILE CK</b>															
RM 4.24 SIXMILE CK AT BAILEY RD															
7/11/2000	243	3.1			24	62	899	6.74	0.12	0.299	1.14		7.78	0.15	578
7/25/2000	272	5.8			56	171	1500	< 0.100	0.05	1.28	2.4			0.355	943
8/1/2000	209	6.7			29	181	1290	B 0.189	B 0.049	0.449	1.07			0.28	764
8/15/2000	225	2.6			32	131	1010	< 0.100	0.026	0.345	1.24			0.31	584
8/22/2000	182	2.3			32	213	1290	< 0.100	< 0.0200	0.205	0.91			0.22	754 PT
RM 3.90 SIXMILE CK AT SR 66															
7/11/2000	242	< 2.00			14	102	1220	5.84	0.06	0.087	< 0.200		7.86	0.2	800
7/25/2000	245	< 2.00			< 10	212	2060	0.706	< 0.0200	0.083	0.39			0.39	1400
8/1/2000	213	< 2.00			32	130	1510	B 0.637	B 0.057	0.057	0.3			0.29	1020
8/15/2000	244	< 2.00			< 10	164	1900	0.462	< 0.0200	0.058	0.41			0.42	1360
8/22/2000	235	< 2.00			23	191	1890	0.246	< 0.0200	0.062	0.28			0.425	1320

# Appendix A

Table A-1. Upper Auglaize River Watershed Water Quality Data

DATE	P410	P310	P80082	P80087	P340	P940	P95	P630	P615	P610	P625	P556	P403	P665	P70300
RM 3.65 SIXMILE CK DST FARM SERVICES															
6/26/2000	146	< 2.00			26	31	597	11.1	0.12	0.108	1.05			0.29	414
7/11/2000	242	< 2.00			20	126	1300	5.41	0.09	0.14	0.84		7.83	0.59	840
7/25/2000	257	< 2.00			19	230	2120	0.563	0.039	0.148	0.5			0.44	1470
8/1/2000	214	< 2.00			13	132	1510 B	0.661 B	0.047	0.15	0.33			0.51	1020
8/15/2000	250	< 2.00			< 10	199	1990	0.51	0.044	0.128	0.485			0.645	1440
8/22/2000	235	< 2.00			17	205	1890	0.392	0.032	0.091	0.41			0.6	1310
RM 3.59 SIXMILE CK DST SPENCERVILLE WWTP TRIB															
7/11/2000	267	< 2.00			17	224	1730	2.67	0.07	0.098	0.92		8.23	1.66	1100
7/25/2000	273	< 2.00			22	405	2690	2.73	0.022	< 0.0500	0.77			2.46	1680
8/1/2000	267	< 2.00			26	399	2570 B	2.36 B	0.051	0.103	0.74			2.9	1610
8/15/2000	251	< 2.00			22	393	2590	2.64	0.172	0.316	1.4			2.29	1660
8/22/2000	235	8 J			29	394	2590	2.39	0.272	0.345	1.34			1.66	1660
RM 1.20 SIXMILE CK AT SR 81															
6/26/2000	148	< 2.00			35	42	670	10.7	0.12	0.123	0.95			0.43	460
7/11/2000	197	< 2.00			17	78	985	4.11	0.05	0.094	0.81		7.89	0.67	643
7/25/2000	278	< 2.00			22	355	2510	0.893	< 0.0200	0.101	0.82			1.15	1570
8/1/2000	246	< 2.00			29	308	2170 B	1.18 B	0.029	0.13	0.64			1.77	1420
8/15/2000	270	< 2.00			19	326	2350	0.971	0.024	0.143	0.89			1.68	1480
8/22/2000															
RM 0.19 SIXMILE CK AT DEFIANCE TRAIL															
7/11/2000	254	< 2.00			14	111	1250	6.2	0.04	0.067	0.91		7.86	0.62	808
7/25/2000	283	< 2.00			22	302	2310	0.612	0.027	0.053	0.59			0.76	1470
8/1/2000	203	5.9			39	218	1700 B	12.5 B	2.273	2.86	4.17			1.75	1100
8/9/2000	215	< 2.00			28	192	1590	1.82	0.036	0.098	0.66		7.94	1.15	988
8/15/2000	286	< 2.00			13	268	2130	0.529	< 0.0200	0.092	0.68			1.3	1360
8/22/2000	244	< 2.00			25	302	2230	1.05	0.026	0.073	0.69			1.13	1420
10/18/2000			< 2.00	5.9		150		653	0.058	< 0.0500	0.92			1.34	824
11/15/2000			< 2.00	5.4		155		6.46	0.03	0.051	0.6			0.78	844
<b>PIGEON RUN</b>															
RM 0.23 PIGEON RUN AT GOOD RD															
6/26/2000	102	< 2.00			35	23	494	15.8	0.18	0.197	1.18			0.17	381
7/11/2000	212	< 2.00			14	78	872	6.76	0.09	< 0.0500	0.72		8.43	0.06	544
7/25/2000	155	2.6			25	158	1160	< 0.100	< 0.0200	< 0.0500	0.84			0.09	688
8/1/2000	168	< 2.00			32	79	717 B	0.55 B	0.031	< 0.0500	0.82			0.19	490
8/22/2000	197	< 2.00			23	99	890	< 0.100	< 0.0200	< 0.0500	0.72			0.1	516

# Appendix A

Table A-1. Upper Auglaize River Watershed Water Quality Data

DATE	P410	P310	P80082	P80087	P340	P940	P95	P630	P615	P610	P625	P556	P403	P665	P70300
<b>JENNINGS CK</b>															
RM 19.33 JENNINGS CK AT PURDY RD															
6/27/2000	129	< 2.00			22	22	549	16.3	0.11	0.06	1.15			0.16	416
7/12/2000	194	< 2.00			19	57	735	8.3	0.115	0.128	0.8			0.08	438
7/27/2000															
8/2/2000	114	< 2.00			43	137	872	0.642	0.037	0.075	0.63			0.11	504
8/31/2000	137	3.3			20	69	663	< 0.100	0.047	< 0.0500	0.7			0.1	398
RM 17.58 JENNINGS CK AT KILL RD N OF HANLEY RD															
6/27/2000	133	< 2.00			19	26	556	15.1	0.11	0.073	0.94			0.14	424
7/12/2000	187	3.7			78	46	689	9.91	0.099	< 0.0500	0.55			0.08	410
7/27/2000															
8/2/2000	190	< 2.00			24	60	697	1.1	0.06	< 0.0500	0.46			0.1	428
8/31/2000	145	2.1			24	77	688	< 0.100	0.036	< 0.0500	0.65			0.08	398
RM 16.08 JENNINGS CK AT KILL RD UST JPD															
6/27/2000	129	< 2.00			31	22	530	14.2	0.12	0.063	1.01			0.17	400
7/12/2000	180	< 2.00			13	39	616	8.26	0.064	< 0.0500	0.51			< 0.0500	376
7/27/2000															
8/2/2000	188	< 2.00			17	46	636	1.26	0.05	< 0.0500	0.59			0.06	370
8/31/2000	172	< 2.00			17	54	659	< 0.100	0.036	0.084	0.64			0.09	392
<i>RM 15.27 Jennings Prairie Ditch</i>															
RM 15.04 JENNINGS CK AT KILL R DST JPD															
6/27/2000	135	< 2.00			22	23	530	13.8	0.12	0.061	0.79			0.16	388
7/12/2000	193	< 2.00			13	39	639	7.93	0.062	< 0.0500	0.65			< 0.0500	386
7/27/2000	108	< 2.00			38	79	666	< 0.100	0.04	0.121	0.74			0.05	410
8/2/2000	164	< 2.00			21	50	613	1.87	0.071	< 0.0500	0.69			0.09	390
8/31/2000	149	< 2.00			17	70	689	< 0.100	< 0.0200	< 0.0500	0.61			< 0.0500	410
RM 10.40 JENNINGS CK AT LANDECK RD															
6/27/2000	143	< 2.00			22	22	564	14.4	0.11	0.064	0.98			0.14	372
7/12/2000	220	< 2.00			18	33	800	6.67	0.049	0.06	0.45			0.08	516
7/27/2000	193	< 2.00			10	27	1210	< 0.100	0.029	0.068	0.24			0.06	836
8/2/2000	172	< 2.00			24	38	679	1.84	0.057	0.061	0.62			0.12	420
8/31/2000	194	< 2.00			< 10	37	981	0.17	0.03	0.081	0.38			0.095	656

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Table A-1. Upper Auglaize River Watershed Water Quality Data

DATE	P410	P310	P80082	P80087	P340	P940	P95	P630	P615	P610	P625	P556	P403	P665	P70300
RM 7.57 JENNINGS CK AT CR 244															
7/12/2000	206	< 2.00			13	36	783	7.57	0.043	0.055	0.46			0.06	502
7/27/2000	206	< 2.00			10	35	1210	0.189	< 0.0200	< 0.0500	0.32			0.055	878
8/2/2000	156	< 2.00			33	43	649	1.81	0.059	0.059	0.81			0.12	408
8/31/2000	187	< 2.00			14	40	789	0.476	0.033	0.114	0.63			0.16	504
RM 5.79 JENNINGS CK AT SR 66															
6/27/2000	147	< 2.00			22	22	575	14.9	0.1	0.054	1.03			0.12	389
7/12/2000	210	< 2.00		< 10		38	856	6.62	0.028	< 0.0500	0.58			0.05	574
7/27/2000	188	< 2.00			16	37	1150	0.15	< 0.0200	0.068	0.3			< 0.0500	828
8/2/2000	152	< 2.00			27	39	645	2.18	0.046	0.071	0.95			0.12	406
8/31/2000	168	< 2.00			17	37	817	0.817	0.023	0.079	0.52			0.15	522
RM 4.80 JENNINGS CK AT POHLMAN RD															
6/27/2000	151	< 2.00			22	26	603	14.1	0.09	0.069	1.01			0.14	412
7/12/2000	240	2			22	101	1150	5.32	0.036	0.083	0.94			0.09	740
7/27/2000	237	2.1			23	327	2090	1.85	0.05	0.17	1.04			0.16	1280
8/2/2000	157	3.8			32	56	745	1.57	0.039	< 0.0500	0.76			0.19	480
8/31/2000	199	26			55	150	1290	0.985	0.078	6.82	10.8			0.61	736
RM 3.57 West Jennings Ck															
RM 2.67 Flat Fork															
RM 0.51 JENNINGS CK AT CR 23-T															
6/27/2000	151	< 2.00			22	25	596	13.2	0.1	0.08	0.87			0.18	410
7/12/2000	230	< 2.00			19	74	959	6.43	0.056	0.09	0.81			0.13	602
7/27/2000	167	< 2.00			29	215	1680	6.73	0.18	0.167	1.05			0.14	1090
8/2/2000	105	< 2.00			17	30	496	3.37	0.47	1.2	1.86			0.12	294
8/9/2000	191	< 2.00			34	62	850	1.58	0.033	0.069	0.77		7.82	0.2	522
8/17/2000	155	< 2.00			16	144	1360	7.07	0.41	0.606	1.54			0.185	832
8/24/2000	121	PT 5.4			13	84	787	1.04	0.064	0.211	0.57			0.2	488
8/31/2000	228	6.3			20	145	1240	0.791	0.168	1.02	2.11			0.23	728
10/18/2000			< 2.00	6.5		87		2.46	0.084	< 0.0500	0.8			0.16	672
11/15/2000			< 2.00	6.7		125		1.48	0.1	0.51	1			0.08	730

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Table A-1. Upper Auglaize River Watershed Water Quality Data

DATE	P410	P310	P80082	P80087	P340	P940	P95	P630	P615	P610	P625	P556	P403	P665	P70300
<b>JENNINGS PRAIRIE DITCH</b>															
RM 8.11 JENNINGS PRAIRIE DITCH AT LOUTH RD															
6/27/2000	153	< 2.00			19	32	597	14.6	0.12	0.061	1.02			0.15	406
7/12/2000	206	< 2.00			19	79	784	5.6	0.131	< 0.0500	0.64			0.06	462
7/27/2000															
8/2/2000	233	2.3			49	100	944	0.689	0.044	< 0.0500	1			0.13	558
8/31/2000	220	2.9			20	274	1560	< 0.100	0.025	0.617	1.29			0.16	874
RM 4.78 JENNINGS PRAIRIE DITCH AT SR 81															
6/27/2000	137	< 2.00			22	22	511	11.3	0.1	0.5	0.94			0.13	368
7/12/2000	220	< 2.00			19	46	710	6.96	0.091	0.071	0.615			0.08	402
7/27/2000	166	13			91	98	812	< 0.100	0.038	< 0.0500	0.73			0.18	488
8/2/2000	186	< 2.00			55	117	953	1.55	0.1	0.069	0.745			0.115	578
8/31/2000	189	2.6			17	80	801	< 0.100	< 0.0200	< 0.0500	0.54			0.09	472
RM 0.30 JENNINGS PRAIRIE DITCH AT COUNTY LINE RD															
6/27/2000	148	< 2.00			16	23	554	13.7	0.1	< 0.0500	0.89			0.1	369
7/12/2000	216	< 2.00			13	36	668	7.04	0.068	< 0.0500	0.57			0.05	402
7/27/2000	129	5			35	65	638	0.463	0.058	0.168	0.94			0.13	405
8/2/2000	146	< 2.00			38	55	598	2.16	0.102	< 0.0500	0.73			0.11	386
8/31/2000	136	< 2.00			20	76	681	< 0.100	< 0.0200	< 0.0500	0.67			0.06	406
<b>WEST JENNINGS CK</b>															
RM 0.86 WEST JENNINGS CK AT SR 66															
6/27/2000	161	< 2.00			< 10	23	630	16.9	0.08	< 0.0500	0.76			0.09	414
7/12/2000	220	< 2.00			16	45	751	8.71	0.051	< 0.0500	0.66			0.08	476
7/27/2000	201	6.2			26	77	841	1.1	0.035	< 0.0500	0.73			0.11	504
8/2/2000	157	2.2			21	79	751	0.97	0.033	< 0.0500	0.68			0.13	450
8/31/2000	207	< 2.00			17	39	679	0.955	0.056	0.115	0.63			0.2	410
<b>FLAT FORK</b>															
RM 1.15 FLAT FORK AT CR U-20 (TR 136)															
6/27/2000	161	< 2.00			< 10	38	683	16.2	0.1	0.102	0.63			0.09	464
7/12/2000	213	< 2.00			< 10	72	849	7.1	0.086	0.052	0.73			0.06	538
7/27/2000	165	< 2.00			16	112	1040	< 0.100	0.02	0.139	0.52			0.11	652
8/2/2000	139	2.6			26	82	821	1.08	0.051	0.087	0.69			0.16	500
8/31/2000	203	< 2.00			14	58	788	1.97	0.095	0.154	0.77			0.17	472



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Table A-1. Upper Auglaize River Watershed Water Quality Data

DATE	P410	P310	P80082	P80087	P340	P940	P95	P630	P615	P610	P625	P556	P403	P665	P70300
<b>BIG RUN</b>															
RM 0.34 BIG RUN AT ROAD S															
6/28/2000	183	< 2.00			< 10	26	613	12.9	0.05	< 0.0500	0.7			< 0.0500	404
7/13/2000	148	< 2.00			13	66	626	3.56	0.035	< 0.0500	0.66			< 0.0500	354
7/26/2000	117	< 2.00			26	128	813	< 0.100	< 0.0200	0.13	0.98			0.08	484
8/3/2000	171	< 2.00			25	73	641	0.152	0.025	< 0.0500	0.8		7.84	0.06	362
8/17/2000	158	5.1			31	124	867	1.94	0.088	1.1	2.19			0.42	470
8/24/2000	170	2.1			22	126	844	0.212	0.026	< 0.0500	0.52			0.09	496
<b>OTTAWA R</b>															
RM 3.67 OTTAWA R AT US 224															
10/18/2000			< 2.00	6.6		98		2.58	< 0.0200	< 0.0500	0.78			0.28	596
11/15/2000			< 2.00	5.9		100		4.04	0.05	0.08	0.73			0.31	566
RM 0.96 OTTAWA R AT PUTNAM CR 19															
7/13/2000	168	4.9			29	110	1070	3.36	< 0.0200	< 0.0500	0.79			0.11	654
8/3/2000	133	3.2			21	103	951	1.75	0.029	< 0.0500	0.78		7.98	0.3	576
8/17/2000	163	2.3			16	139	1240	2.49	0.03	0.053	0.88			0.26	744
<b>AUGLAIZE R TRIB V (30.53)</b>															
RM 0.05 AUGLAIZE R TRIB V (30.53) AT CR 22K															
6/28/2000	207	< 2.00			19	41	702	7.76	0.06	< 0.0500	0.79			0.1	448
7/13/2000	214	< 2.00			22	88	835	0.563	0.021	0.088	0.69			0.09	494
7/26/2000															
8/3/2000	153	3.6			34	136	1020	0.629	0.071	0.137	0.9		7.97	0.16	622
8/24/2000															
<b>LAPP DITCH</b>															
RM 1.39 LAPP DITCH AT SR 114 (UST SIDE)															
7/26/2000	217	3			29	519	3940	1.74	0.127	0.267	1.01			1.73	2860
9/7/2000		11	6.8		30			3.66	0.21	2.99	4.65		7.71	1.93	3000
RM 1.04 LAPP DITCH AT END OF MAHONING ST															
7/26/2000	356	26			57	280	2710	< 0.100	< 0.0200	12.5	17.9			2.1	1790
8/24/2000	240	23.3			40	148	1800	0.302	0.168	7.6	9.93			1.2	1210
9/7/2000		39	23		49			< 0.100	0.022	16.1	20.8		7.8	2.39	1880

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Table A-1. Upper Auglaize River Watershed Water Quality Data

DATE	P410	P310	P80082	P80087	P340	P940	P95	P630	P615	P610	P625	P556	P403	P665	P70300
RM 0.30 LAPP DITCH AT SR 634															
6/28/2000	191	< 2.00			25	43	694	5.28	0.18	0.154	0.95			0.17	450
7/13/2000	244	< 2.00			22	97	1140	2.34	0.057	0.095	0.77			0.31	736
7/26/2000	251	5.3			29	196	1880	1.05	0.054	0.111	0.98			0.27	1390
8/3/2000	232	12.2			40	292	2430	1.96	0.335	4.78	6.64		7.84	1.04	1670
8/17/2000	217	< 2.00			19	123	1300	1.46	0.058	0.131	0.855			0.405	826
8/24/2000	191	5.7			31	242	2000	2.44	0.25	0.954	2.07			0.6	1360
9/7/2000		< 2.00	< 2.00		21			1.19	0.023	0.071	0.85		8.14	0.63	808
<b>BLANCHARD R</b>															
RM 2.58 BLANCHARD R AT CR 21-H															
7/13/2000	204	2.4			27	46	745	4.76	0.027	< 0.0500	0.78			0.17	460
8/3/2000	129	2.7			44	34	530	3.07	0.058	0.067	0.88		7.85	0.3	352
8/17/2000	185	< 2.00		< 10	44	689		2.16	0.03	< 0.0500	0.41			0.24	420
<b>AUGLAIZE R TRIB VI (25.51) - Dupont Trib</b>															
RM ??? AUGLAIZE R TRIB VI (25.51) ADJ SR 634															
6/28/2000	327	3.8			19	73	986	3.51	0.31	4.16	5.36			0.76	584
7/13/2000	341	5.7			22	107	1180	1.34	0.295	7.5	9.88			1.35	672
7/26/2000	381	15			103	142	1430	0.102	0.047	15.3	21.3			3.37	788
8/24/2000	319	27.3			53	393	2100	< 0.100	0.058	11.9	16.6			2.59	1160
<b>PRAIRIE CK</b>															
RM 3.04 PRAIRIE CK AT COUNTY LINE RD															
6/28/2000	197	< 2.00			22	38	612	4.2	0.08	0.065	0.91			0.17	396
7/13/2000	234	< 2.00			25	67	778	0.546	0.035	0.135	0.71			0.16	492
7/26/2000	246	< 2.00			33 J	113	1050	0.326	0.033	0.2	0.91			0.15	688
8/3/2000	85	13.9			88	92	607	4.72	0.169	0.18	2.53		7.37	0.59	476
8/24/2000	219	3.4			25	120	957	0.16	0.051	1.1	1.76			0.25	572
RM 0.33 PRAIRIE CK AT SR 66															
6/28/2000	164	< 2.00				30	520		0.08						377
7/13/2000	209	< 2.00			22	72	754	0.615	0.022	0.065	0.73			0.13	460
7/26/2000	226	8.7			32	116	1130	0.11	0.026	0.895	1.85			0.235	716
8/3/2000	95	6.4			66	50	469	1.33	0.082	0.052	1.14		7.62	0.37	316
8/17/2000															
8/24/2000	153	2.6			31	126	915	0.259	0.041	0.2	0.96			0.22	580

## Appendix A

**Table A-1.** Upper Auglaize River Watershed Water Quality Data

DATE	P530	P945	P31616	P1105	P1007	P1082
<b>AUGLAIZE RIVER</b>						
<i>RM 108.90 Unnamed Tributary to Auglaize R</i>						
RM 108.51 AUGLAIZE R AT HAY RD						
6/19/2000	32	30		4420	81	620
7/10/2000	7	72		226	66	2210
7/24/2000	5	85	270	332	82	4920
7/31/2000	5	55	870	296	76	1620
8/14/2000	6	69		278	82	3770
8/21/2000	8	71	570	412	86	3610
RM 106.68 AUGLAIZE R AT FAULKNER RD						
6/19/2000	35	30		3640	67	761
7/10/2000	6	77		208	72	4930
7/24/2000	6	82	180	224	77	8350
7/31/2000	< 5.00	54	740	307	73	2780
8/14/2000	< 5.00	74		203	79	8400
8/21/2000	< 5.00	72	2500	259	74	8980
<i>RM 105.11 Manahan Ditch (Harrod)</i>						
RM 103.97 AUGLAIZE R AT SR 117						
6/19/2000	30	34		3140	78	888
7/10/2000	< 5.00	74		< 200	73	3260
7/24/2000	6	70	6200	< 200	77	4760
7/31/2000	< 5.00	55	2500	286	71	2510
<i>RM 103.69 Unnamed Tributary to Auglaize R (Westminster)</i>						
RM 101.72 AUGLAIZE R AT OSMAN RD						
6/19/2000	34	33		2480	77	1030
7/10/2000	< 5.00	94		< 200	76	3750
7/24/2000	< 5.00	102	740	< 200	74	6140
7/31/2000	9	92	2400	292	72	3910
8/14/2000	< 5.00	92		< 200	73	5460
8/21/2000	< 5.00	78	390	202	62	5280
<i>RM 99.78 Unnamed Tributary to Auglaize R</i>						

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**Table A-1.** Upper Auglaize River Watershed Water Quality Data

DATE	P530	P945	P31616	P1105	P1007	P1082
RM 97.88 AUGLAIZE R AT AMHERST RD						
6/19/2000	35	36		2470	82	1100
7/10/2000	< 5.00	91		< 200	80	4260
7/24/2000	< 5.00	95	480	< 200	80	6340
7/31/2000	8	93.4	600	< 200	83	5030
8/14/2000	< 5.00	85		< 200	77	6160
8/21/2000	< 5.00	81	210	222	71	6180
RM 96.77 <i>Wrestle Ck</i>						
RM 96.72 <i>Camp Ck</i>						
RM 96.68 AUGLAIZE R AT GREELY CHAPEL RD						
7/10/2000	6	95		< 200	79	3380
7/24/2000	< 5.00	99	1500	< 200	82	4950
7/31/2000	10	88	360	275	81	4060
8/9/2000	5	64		< 200	73	3450
8/14/2000	5	90		< 200	79	4690
8/22/2000	5	83	590	271	72	5330
10/18/2000	6	69		633	71	2990
11/15/2000	< 5.00	75		< 200	77	2980
RM 93.68 <i>Virginia Ck</i>						
RM 92.89 <i>Blackhoof Ck (Uniopolis via Huffman Ck)</i>						
RM 92.48 AUGLAIZE R AT MUDSOCK RD						
7/10/2000	20	104		463	88	3530
7/24/2000	6	106	3700	< 200	85	5300
7/31/2000	< 5.00	94	520	719	91	4720
8/14/2000	11	88		395	84	4660
8/22/2000	8	86	500	438	78	4650
RM 89.89 <i>Dry Run</i>						
RM 87.34 AUGLAIZE R AT DIXIE HWY						
7/12/2000	20	100		499	79	3440
7/25/2000	6	97	340	223	85	4570
8/1/2000	13	83	6800	567	82	4170
8/15/2000	10	75		442	82	4270
8/21/2000	15	92	480	592	86	4880

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**Table A-1.** Upper Auglaize River Watershed Water Quality Data

DATE	P530	P945	P31616	P1105	P1007	P1082
<i>RM 86.57 Quaker Run</i>						
RM 85.30 AUGLAIZE R DST HAMILTON ST						
7/12/2000	21	83		491	83	4650
7/25/2000	18	95	72	369	90	6600
8/1/2000	18	72		619	68	4450
8/15/2000	12	77		391	91	8760
8/21/2000	33	84	140	1120	89	7120
RM 84.81 WAPAKONETA WWTP MIX ZONE						
6/21/2000						
7/12/2000	8	111		< 200	62	4520
7/25/2000	13	109	160	252	77	6200
8/1/2000	8	88	7000	232	47	4290
8/15/2000	8	158		204	34	5480
8/21/2000	8	118	240	395	72	6840
RM 84.10 AUGLAIZE R ADJ GREENLAWN CEMETERY						
7/12/2000	11	94		< 200	75	4260
7/25/2000	8	105	110	< 200	74	6570
8/1/2000	11	74	> 10000	339	55	4170
8/15/2000	21	103		307	76	7750
8/21/2000	9	100	250	228	70	6990
<i>RM 83.37 Pusheta Ck</i>						
RM 80.29 AUGLAIZE R AT GLYNWOOD RD						
7/11/2000	14	87		336	71	3770
7/27/2000	5	123	230	< 200	73	5600
8/2/2000	14	83		492	65	4180
8/16/2000	12	120		273	71	6960
8/24/2000	8	113	470	< 200	71	6350
RM 75.50 AUGLAIZE R AT SR 197						
6/22/2000						
7/11/2000	20	106		447	66	4070
7/27/2000	28	122	120	372	63	5160
8/2/2000	28	80		575	65	4230
8/16/2000	53	115	210	528	70	6290
8/24/2000	24	102	580	405	71	6410

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**Table A-1.** Upper Auglaize River Watershed Water Quality Data

DATE	P530	P945	P31616	P1105	P1007	P1082
RM 74.72 AUGLAIZE R AT CR 190						
6/22/2000	129	30		6440	84	820
7/11/2000	20	100		538	72	3950
7/27/2000	24	134	150	487	65	5950
8/2/2000	12	86		526	68	4600
8/16/2000	18	123	66	385	65	6740
8/24/2000	23	112	1800	380	71	6980
<i>RM 72.08 Twomile Ck</i>						
<i>RM 71.63 Sims Run</i>						
RM 71.08 AUGLAIZE R AT PLACE RD						
6/22/2000	119	38		7020	87	773
7/11/2000	18	92		494	66	3310
7/27/2000	20	136	120	456	65	4930
8/2/2000	26	80		618	73	4820
8/9/2000	36	106		743	78	5580
8/16/2000	17	126	210	323	68	6140
8/24/2000	20	117	350	377	78	6860
<i>RM 67.78 Buck Run</i>						
RM 66.84 AUGLAIZE R AT CONANT RD						
6/22/2000	139	45		8150	93	758
7/11/2000	19	115		539	67	2940
7/27/2000	34	126	140	720	71	4610
8/2/2000	33	100		884	92	5800
8/16/2000	13	112	110	260	70	5780
8/24/2000	29	126	210	718	79	5830
<i>RM 63.54 Unnamed Tributary to Auglaize R</i>						
RM 62.84 AUGLAIZE R AT SHAFFER RD						
7/11/2000	33	114		950	67	2690
7/25/2000	33	116	78	698	70	3670
8/1/2000	33	138	1200	889	71	4270
8/9/2000	31	100		783	79	4520
8/15/2000	37	106		904	73	5840
8/22/2000	33	120	280	1100	86	5250

## Appendix A

**Table A-1.** Upper Auglaize River Watershed Water Quality Data

DATE	P530	P945	P31616	P1105	P1007	P1082
<i>RM 62.31 Sixmile Ck (Spencerville)</i>						
RM 60.40 AUGLAIZE R AT ZION CHURCH RD						
7/11/2000	20	107		653	67	2550
7/25/2000	31	140	170	685	70	3560
8/1/2000	39	125	1600	1300	80	3960
8/15/2000	34	120		825	76	5760
8/22/2000	40	128	480	1290	86	5360
RM 58.20 AUGLAIZE R AT PIQUAD RD						
6/26/2000	106	77		3780	73	1390
7/11/2000	26	98		729	68	2660
7/25/2000	28	133	180	501	69	3480
8/1/2000	25	70	2500	971	74	3790
8/9/2000	31	112		825	80	4040
8/15/2000	34	121		850	72	4560
8/22/2000	34	128	430	1070	87	5000
10/18/2000	9	96		455	57	3350
11/15/2000	< 5.00	107		< 200	56	3820
<i>RM 55.51 Pigeon Run</i>						
RM 52.68 AUGLAIZE R AT LINCOLN HWY						
6/26/2000	108	56		4240	73	939
7/11/2000	13	92		468	60	2060
7/25/2000	11	134	86	< 200	64	3280
8/1/2000	20	142	440	522	67	3150
8/9/2000	14	114		344	74	3630
8/15/2000	14	114		262	67	4110
8/22/2000	13	118	110	614	82	4840
<i>RM 47.02 Jennings Ck (Delphos)</i>						
RM 46.10 AUGLAIZE R ADJ SR 189						
6/28/2000	79	70		3080	72	1150
7/13/2000	29	110		766	59	1960
7/26/2000	26	154	160	813	73	2960
8/3/2000	31	123	2800	707	60	2290
8/17/2000	39	156		1140	80	3890
8/24/2000	72	147	3300	1910	82	3800

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**Table A-1.** Upper Auglaize River Watershed Water Quality Data

DATE	P530	P945	P31616	P1105	P1007	P1082
<i>RM 44.90 Big Run</i>						
RM 39.57 AUGLAIZE R AT SR 224						
7/13/2000	36	100		1040	57	1630
7/26/2000	19	142	86	436	65	2620
8/3/2000	29	166	410	726	76	3080
8/9/2000	40	115		1130	71	2570
8/17/2000	38	122		1210	81	3610
8/24/2000	54	128	5400	1440	77	3650
10/18/2000	9	107		357	59	3150
11/15/2000	< 5.00	153		< 200	65	4680
RM 33.93 AUGLAIZE R AT CR M						
6/28/2000	82	62		2390	64	1100
7/13/2000	45	93		1270	63	1580
7/26/2000	25	127	140	617	69	2480
8/3/2000	48	156	290	1120	83	2990
8/17/2000	43	142		1370	82	3270
8/24/2000	55	143	280	1560	86	3480
<i>RM 33.26 Ottawa River</i>						
<i>RM 30.53 Unnamed Tributary to Auglaize R</i>						
RM 28.50 AUGLAIZE R AT SR 114						
7/13/2000	34	145		696	52	1580
7/26/2000	30	199	31	778	68	2570
8/3/2000	47	134	250	1220	66	2120
8/9/2000	54	118		1360	62	1780
8/17/2000	50	195		1430	71	2870
8/24/2000	49	158	150	1230	62	2520
<i>RM 28.00 Lapp Ditch (Cloverdale)</i>						
<i>RM 26.20 Blanchard River</i>						
<i>RM 25.51 Unnamed Tributary to Auglaize R (Dupont)</i>						



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**Table A-1.** Upper Auglaize River Watershed Water Quality Data

DATE	P530	P945	P31616	P1105	P1007	P1082
RM 19.30 AUGLAIZE R AT SR 613						
7/13/2000	26	102		711	55	1630
7/26/2000	30	149	42	962	62	2860
8/3/2000	72	93	840	2360	68	2290
8/9/2000	107	78		4160	76	2400
8/24/2000	40	156	76	1060	67	3120
10/18/2000	34	156		1240	64	2810
11/15/2000	6	155		< 200	58	4630
RM 18.77 Prairie Ck (Oakdale)						
<b>AUGLAIZE R TRIB I (108.90)</b>						
RM 0.28 AUGLAIZE R TRIB I (108.90) AT FAULKNER RD						
6/19/2000	28	31		4340	82	464
7/10/2000	< 5.00	62		< 200	62	988
7/24/2000	10	62	1200	384	61	1570
7/31/2000	< 5.00	47	1000	247	74	884
8/14/2000	9	55		229	69	1380
8/21/2000	< 5.00	63	1700	256	74	1500
<b>MANAHAN DITCH</b>						
RM 1.75 MANAHAN DITCH AT PHILLIPS RD						
6/19/2000	5	38		1340	52	1110
7/10/2000	< 5.00	71		< 200	59	2620
7/24/2000	13	65	250	455	69	3060
7/31/2000	< 5.00	74	380	< 200	63	3290
8/14/2000	< 5.00	66		< 200	66	3700
8/21/2000	< 5.00	71	1500	< 200	58	4650
<b>MANAHAN DITCH TRIB (2.91)</b>						
RM 0.45 MANAHAN DITCH TRIB (2.91) DST HARROD LAGOONS						
6/19/2000	11	64		491	54	5870
7/10/2000	35	84		750	39	8950
7/24/2000	14	78	1600	207	23	12200
7/31/2000	12	82	1200	297	30	9760
8/14/2000	15	91		< 200	22	13500
8/21/2000	23	94	16	< 200	32	16000

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Table A-1. Upper Auglaize River Watershed Water Quality Data

DATE	P530	P945	P31616	P1105	P1007	P1082
<b>AUGLAIZE R TRIB II (103.69) - Westminster Trib</b>						
RM 0.44 AUGLAIZE R TRIB II (103.69) ADJ CEMETARY						
6/19/2000	9	57		1750	57	446
7/10/2000	8	218		< 200	77	1990
7/24/2000	< 5.00	313	2200	< 200	112	3950
7/31/2000	20	124	1800	1700	21	3390
8/14/2000	< 5.00	130	380	< 200	55	1690
8/21/2000	5	118	1000	344	49	1490
RM 0.25 AUGLAIZE R TRIB II (103.69) UST SR 117						
6/19/2000	10	64		2260	59	616
7/10/2000	6	233		555	71	2350
7/24/2000	16	253	690	228	36	2200
7/31/2000	53	275	9000	636	37	1420
8/14/2000	48	301	14000	352	36	1500
8/21/2000	10	131	2500	484	52	1920
RM 0.17 AUGLAIZE R TRIB II (103.69) DST MCPHERON RD						
6/19/2000	15	61		3160	52	576
7/10/2000	9	264		< 200	74	3740
7/24/2000	15	262	25000	< 200	60	4660
7/31/2000	114	283	100000	1530	36	3920
8/14/2000	18	266	> 200000	398	71	8270
8/21/2000	7	177	88000	< 200	70	5110
<b>AUGLAIZE R TRIB III (99.78)</b>						
RM 0.60 AUGLAIZE R TRIB III (99.78) AT OSMAN RD						
6/19/2000	17	38		2300	76	1820
7/10/2000	< 5.00	77		< 200	93	6300
7/24/2000	< 5.00	64	2200	< 200	94	8010
7/31/2000	< 5.00	62	1000	< 200	92	7610
8/14/2000						
8/21/2000	< 5.00	60	330	< 200	97	7700

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Table A-1. Upper Auglaize River Watershed Water Quality Data

DATE	P530	P945	P31616	P1105	P1007	P1082
<b>WRESTLE CK</b>						
RM 4.69 WRESTLE CK AT GRAHAM RD						
6/20/2000	< 5.00	70		< 200	71	1240
7/10/2000	< 5.00	80		< 200	70	2480
7/24/2000	< 5.00	99	200	< 200	77	5190
7/31/2000	< 5.00	64	820	< 200	64	2270
8/14/2000	< 5.00	86		< 200	72	5900
8/22/2000	< 5.00	83	1300	< 200	67	5080
RM 0.34 WRESTLE CK AT RIVER RD						
6/20/2000	< 5.00	79		< 200	85	1770
7/10/2000	< 5.00	104		< 200	94	3060
7/24/2000	< 5.00	105	890	< 200	96	4320
7/31/2000	< 5.00	89	1000	< 200	98	4300
8/14/2000	< 5.00	108		< 200	101	4650
8/22/2000	6	98	1000	< 200	94	4780
<b>CAMP CK</b>						
RM 2.30 CAMP CK AT YODER RD						
6/19/2000	11	43		1390	66	323
7/10/2000	68	116		255	67	632
7/24/2000	9	119	230	< 200	60	320
7/31/2000	19	112	1500	497	72	601
RM 0.60 CAMP CK AT AMHERST RD						
6/19/2000	9	59		1210	69	410
7/10/2000	10	140		346	69	556
7/24/2000	10	139	1600	294	63	552
7/31/2000	6	121	510	248	68	589
8/14/2000	14	113		430	63	745
8/21/2000	20	83	410	853	54	577
<b>VIRGINIA CK</b>						
RM 1.41 VIRGINIA CK AT BUCKLAND HOLDEN RD						
6/20/2000	< 5.00	56		324	92	2060
7/10/2000	< 5.00	108		< 200	95	2870
7/24/2000	< 5.00	120	2400	< 200	99	3850
7/31/2000	21	64	2400	< 200	90	3620
8/14/2000	< 5.00	68		< 200	90	3990
8/22/2000	< 5.00	63	23	< 200	92	3950

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Table A-1. Upper Auglaize River Watershed Water Quality Data

DATE	P530	P945	P31616	P1105	P1007	P1082
<b>BLACKHOOF CK</b>						
RM 3.28 BLACKHOOF CK UST BLANK PIKE RD						
6/20/2000	9	113		< 200	84	2120
7/10/2000	< 5.00	116		< 200	91	4550
7/24/2000	6	94	860	< 200	87	6380
7/31/2000	< 5.00	95	580	< 200	95	5540
8/14/2000	< 5.00	98		< 200	90	6270
8/22/2000	< 5.00	96	530	< 200	90	7420
RM 0.78 BLACKHOOF CK AT HENGSTLER RD						
6/20/2000	< 5.00	103		< 200	83	2650
7/10/2000	< 5.00	131		< 200	82	4660
7/24/2000	< 5.00	121	200	< 200	81	7480
7/31/2000	< 5.00	115	180	< 200	87	6350
8/14/2000	< 5.00	119		< 200	85	7060
8/22/2000	< 5.00	115	25000	< 200	89	7490
<i>RM 0.50 Huffman Ck (Uniopolis)</i>						
<b>HUFFMAN CK</b>						
RM 1.69 HUFFMAN CK AT MILL ST						
6/20/2000	< 5.00	64		< 200	80	1530
7/10/2000	< 5.00	96		< 200	95	3280
7/24/2000	13	93	3000	< 200	110	5490
7/31/2000	5	94	> 10000	< 200	123	4620
8/14/2000	< 5.00	100		< 200	119	6240
8/22/2000	< 5.00	96	2500	< 200	131	6270
RM 1.63 HUFFMAN CK AT UNIOPOLIS - SR 65						
6/20/2000	< 5.00	77		< 200	79	1520
7/10/2000	< 5.00	101		< 200	101	3820
7/24/2000	8	99	4000	280	108	4870
7/31/2000	< 5.00	94	3200	< 200	114	4760
8/14/2000	31	95		< 200	116	6320
8/22/2000	< 5.00	95	2300	< 200	120	5950

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Table A-1. Upper Auglaize River Watershed Water Quality Data

DATE	P530	P945	P31616	P1105	P1007	P1082
RM 0.33 HUFFMAN CK AT TOWNLINE-LIMA RD						
6/20/2000	< 5.00	74		212	84	2960
7/10/2000	< 5.00	107		< 200	104	6280
7/24/2000	< 5.00	101	200	< 200	106	9590
7/31/2000	< 5.00	97	180	< 200	111	6770
8/14/2000	< 5.00	103		< 200	111	9760
8/22/2000	< 5.00	96	100	< 200	114	9270
<b>DRY RUN</b>						
RM 0.27 DRY RUN AT SR 67						
6/20/2000	10	59		586	70	1120
7/10/2000	5	86		< 200	65	1500
7/24/2000	25	66	1000	851	54	1570
7/31/2000	10	44	3800	372	57	1460
8/14/2000	< 5.00	59		< 200	74	2000
8/22/2000	6	51	9900	241	70	1850
<b>QUAKER RUN</b>						
RM 0.08 QUAKER RUN AT SR 67						
6/21/2000	330	52		11500	110	2680
7/12/2000	< 5.00	127		< 200	63	8140
7/25/2000	< 5.00	111	1200	< 200	71	9230
8/1/2000	< 5.00	114	5200	< 200	72	9490
8/15/2000	< 5.00	120		< 200	72	10800
8/21/2000	< 5.00	130	740	< 200	75	12300
<b>PUSHETA CK</b>						
RM 12.42 PUSHETA CK AT ASHBURN RD						
6/21/2000	96	26		9120	90	281
7/12/2000	5	130		< 200	54	663
7/25/2000	< 5.00	138	230	< 200	54	676
8/1/2000	< 5.00	116	70	< 200	45	641
8/15/2000	< 5.00	135		< 200	47	742
8/21/2000	< 5.00	113	15	< 200	55	833

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**Table A-1.** Upper Auglaize River Watershed Water Quality Data

DATE	P530	P945	P31616	P1105	P1007	P1082
RM 10.58 PUSHETA CK AT TOWNLINE RD						
6/21/2000	162	29		8730	93	260
7/12/2000	7	123		223	57	650
7/25/2000	6	140	170	220	60	711
8/1/2000	6	85	2000	376	53	567
8/15/2000	5	124		< 200	50	823
8/21/2000	12	124	680	483	62	834
RM 8.58 PUSHETA CK AT FRYBURG SHELBY RD						
6/21/2000	127	31		7550	86	255
7/12/2000	< 5.00	106		< 200	62	827
7/25/2000	< 5.00	122	230	< 200	76	1160
8/1/2000	< 5.00	100	1800	< 200	66	862
8/15/2000	< 5.00	119		< 200	75	1410
8/21/2000	< 5.00	108	220	< 200	73	1240
<i>RM 2.87 Pusheta Ck Tributary</i>						
RM 2.85 PUSHETA CK DST HARDIN PIKE						
7/12/2000	6	143		< 200	65	2890
7/25/2000	< 5.00	131	590	< 200	80	4830
8/1/2000	6	96	8600	247	62	3000
8/15/2000	< 5.00	146		< 200	75	5590
8/21/2000	< 5.00	134	700	< 200	70	4520
<i>RM 0.53 Owl Ck</i>						
RM 0.35 PUSHETA CK AT CR 33A						
6/21/2000	436	25		14000	118	350
7/12/2000	< 5.00	123		< 200	62	3620
7/25/2000	< 5.00	139	720	< 200	61	5880
8/1/2000	7	80	> 10000	398	62	2900
8/15/2000	< 5.00	168		< 200	60	7970
8/21/2000	5	144	480	< 200	58	6080
10/18/2000	< 5.00	99		< 200	72	4440
11/15/2000	< 5.00	104		< 200	70	2960

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**Table A-1.** Upper Auglaize River Watershed Water Quality Data

DATE	P530	P945	P31616	P1105	P1007	P1082
<b>PUSHETA CK TRIB (2.87)</b>						
RM 0.50 PUSHETA CK TRIB (2.87) AT OWL CREEK RD						
6/21/2000	179	19		8860	84	276
7/12/2000	< 5.00	99		< 200	64	1810
7/25/2000	< 5.00	115	1000	< 200	72	2130
8/1/2000	6	61	2200	346	58	1050
8/15/2000	< 5.00	112		< 200	71	2240
8/21/2000	6	107	350	283	69	1990
<b>OWL CK</b>						
RM 3.03 OWL CK AT OWL CREEK RD						
6/21/2000	343	21		15000	110	211
7/12/2000	16	101		503	62	2210
7/25/2000	31	76	570	1520	61	2260
8/1/2000	16	69	> 10000	560	77	1070
8/15/2000	35	84		1080	78	3100
8/21/2000	20	69	2000	929	75	2010
RM 0.40 OWL CK AT KOHLER RD.						
6/21/2000	590	18		17700	138	279
7/12/2000	6	142		< 200	69	4830
7/25/2000	5	192	> 10000	< 200	77	6120
8/1/2000	13	64	> 10000	700	57	2030
8/15/2000	5	142		< 200	67	7820
8/21/2000	7	110	2200	< 200	66	4370
<b>TWOMILE CK</b>						
RM 8.10 TWOMILE CK AT HOLDEN RD (CR 190)						
6/22/2000	19	56		981	59	343
7/11/2000	13	74		498	59	990
7/27/2000	13	91	3700	531	83	1610
8/2/2000	20	64		979	54	1220
8/16/2000	69	73	310	1960	73	1650
8/24/2000	25	66	3200	841	71	1950
<i>RM 3.05 Oakview Trib (0.5) via unnamed Tributary to Twomile Ck</i>						

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Table A-1. Upper Auglaize River Watershed Water Quality Data

DATE	P530	P945	P31616	P1105	P1007	P1082
RM 1.20 TWOMILE CK AT BOWSHER RD						
6/22/2000	30	60		1820	66	980
7/11/2000	6	114		238	55	2500
7/27/2000	18	154	320	552	64	4340
8/2/2000	20	99		538	62	3720
8/16/2000	12	132	230	347	57	4050
8/24/2000	33	151	240	759	75	4770
RM 0.12 TWOMILE CK AT SR 198						
6/22/2000	31	56		2080	64	834
7/11/2000	11	117		< 200	58	2350
7/27/2000	6	157	450	297	62	3800
8/2/2000	8	88		600	54	2520
8/16/2000	5	130	74	< 200	53	3230
8/24/2000	< 5.00	145	390	< 200	56	3560
<b>OAKVIEW TRIB</b>						
RM ??? OAKVIEW TRIB AT BREESE RD						
6/22/2000	13	152		1030	57	1820
7/11/2000	9	346		258	91	3860
7/27/2000	7	531	3300	275	119	6500
8/2/2000	< 5.00	471		250	89	5990
8/16/2000	11	520	1800	257	85	8680
8/24/2000	7	446	7600	< 200	77	7590
<b>SIMS RUN</b>						
RM 4.37 SIMS RUN AT CONANT RD						
6/22/2000	6	47		300	54	394
7/11/2000	44	64		1470	63	579
7/27/2000	105	81	> 10000	1920	83	613
8/2/2000	51	59		1270	79	614
8/16/2000	35	48	51000	818	74	684
8/24/2000	19	51	91000	350	77	709



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**Table A-1.** Upper Auglaize River Watershed Water Quality Data

DATE	P530	P945	P31616	P1105	P1007	P1082
RM 0.82 SIMS RUN AT NATIONAL RD						
6/22/2000	18	50		1090	57	318
7/11/2000	33	71		974	58	361
7/27/2000	100	93	1600	2310	72	357
8/2/2000	87	86		3040	95	393
8/16/2000						
8/24/2000	53	64	120	1420	72	490
<b>BUCK RUN</b>						
RM 0.57 BUCK RUN AT SUNDERLAND RD						
6/22/2000	11	101		1580	62	531
7/11/2000	15	212		530	64	909
7/27/2000	18	473	1200	360	97	2080
8/2/2000	8	371		246	89	1680
8/16/2000	26	398	1200	430	88	2090
8/24/2000	7	379	880	204	93	2360
<b>AUGLAIZE R TRIB IV (63.54)</b>						
RM 0.43 AUGLAIZE R TRIB IV (63.54) AT DEFIANCE TRAIL						
6/26/2000	44	53		4660	68	222
7/11/2000	33	140		1240	67	638
7/25/2000	12	374	230	298	75	2310
8/1/2000	20	291	470	796	84	2380
8/15/2000						
8/22/2000	19	346	140	595	87	2340
<b>SIXMILE CK</b>						
RM 4.24 SIXMILE CK AT BAILEY RD						
7/11/2000	110	136		3420	92	770
7/25/2000	114	241	110	1970	117	2080
8/1/2000	121	148	750	3130	110	1560
8/15/2000	16	76		484	58	1100
8/22/2000	9	108	110	300	74	1350
RM 3.90 SIXMILE CK AT SR 66						
7/11/2000	7	263		278	55	2200
7/25/2000	< 5.00	505	1400	< 200	49	7640
8/1/2000	7	418	> 10000	329	45	5000
8/15/2000	6	547		< 200	43	7760
8/22/2000	8	490	1400	508	44	6330

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**Table A-1.** Upper Auglaize River Watershed Water Quality Data

DATE	P530	P945	P31616	P1105	P1007	P1082
RM 3.65 SIXMILE CK DST FARM SERVICES						
6/26/2000	26	78		2910	61	353
7/11/2000	45	267		769	62	2130
7/25/2000	8	497	590	< 200	64	7340
8/1/2000	5	408	570	309	53	4770
8/15/2000	5	509		< 200	51	8050
8/22/2000	9	482	590	245	51	6020
RM 3.59 SIXMILE CK DST SPENCERVILLE WWTP TRIB						
7/11/2000	12	318		374	42	2900
7/25/2000	< 5.00	462	250	< 200	31	6120
8/1/2000	< 5.00	449	890	< 200	25	5360
8/15/2000	< 5.00	497		< 200	25	6570
8/22/2000	6	524	270	203	23	5340
RM 1.20 SIXMILE CK AT SR 81						
6/26/2000	28	105		2920	58	661
7/11/2000	11	200		356	41	1520
7/25/2000	8	474	430	< 200	62	4580
8/1/2000	16	412	1200	462	51	4480
8/15/2000	17	476		520	54	4770
8/22/2000						
RM 0.19 SIXMILE CK AT DEFIANCE TRAIL						
7/11/2000	6	244		252	54	2020
7/25/2000	< 5.00	450	760	< 200	71	4700
8/1/2000	18	258	2800	1040	72	3190
8/9/2000	18	285		616	52	3420
8/15/2000	14	396		588	58	5890
8/22/2000	25	474	7400	1000	62	4720
10/18/2000	6	187		< 200	39	2100
11/15/2000	< 5.00	235		348	33	2400
<b>PIGEON RUN</b>						
RM 0.23 PIGEON RUN AT GOOD RD						
6/26/2000	39	33		2530	58	175
7/11/2000	6	108		203	50	550
7/25/2000	9	184	410	329	57	836
8/1/2000	6	119	610	414	44	466
8/22/2000	< 5.00	90	39	< 200	47	691

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**Table A-1.** Upper Auglaize River Watershed Water Quality Data

DATE	P530	P945	P31616	P1105	P1007	P1082
<b>JENNINGS CK</b>						
RM 19.33 JENNINGS CK AT PURDY RD						
6/27/2000	17	44		3300	61	203
7/12/2000	55	73		1430	68	398
7/27/2000						
8/2/2000	68	99		2720	77	521
8/31/2000	87	76	850	2710	79	456
RM 17.58 JENNINGS CK AT KILL RD N OF HANLEY RD						
6/27/2000	17	51		3710	62	215
7/12/2000	48	67		1530	57	379
7/27/2000						
8/2/2000	15	72		892	63	458
8/31/2000	56	71	640	2080	79	476
RM 16.08 JENNINGS CK AT KILL RD UST JPD						
6/27/2000	19	47		3680	59	201
7/12/2000	28	61		987	47	328
7/27/2000						
8/2/2000	20	64		978	59	383
8/31/2000	35	70	780	1640	68	472
<i>RM 15.27 Jennings Prairie Ditch</i>						
RM 15.04 JENNINGS CK AT KILL R DST JPD						
6/27/2000	23	47		3240	57	219
7/12/2000	12	62		520	47	358
7/27/2000	41	96	120	1690	62	487
8/2/2000	26	60		1670	64	360
8/31/2000	12	79	250	481	57	458
RM 10.40 JENNINGS CK AT LANDECK RD						
6/27/2000	35	54		2620	54	356
7/12/2000	50	141		1330	54	1780
7/27/2000	42	488	1200	1370	68	6810
8/2/2000	55	106		1930	59	1380
8/31/2000	62	252	320	2040	68	3660

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**Table A-1.** Upper Auglaize River Watershed Water Quality Data

DATE	P530	P945	P31616	P1105	P1007	P1082
RM 7.57 JENNINGS CK AT CR 244						
7/12/2000	16	132		477	49	1420
7/27/2000	< 5.00	428	240	< 200	85	5670
8/2/2000	29	91		1450	56	1210
8/31/2000	14	151	640	617	61	1930
RM 5.79 JENNINGS CK AT SR 66						
6/27/2000	38	57		2220	54	376
7/12/2000	< 5.00	170		< 200	46	1750
7/27/2000	< 5.00	474	1000	< 200	62	4410
8/2/2000	14	102		862	51	1260
8/31/2000	< 5.00	183	1000	236	50	1950
RM 4.80 JENNINGS CK AT POHLMAN RD						
6/27/2000	40	57		2200	51	431
7/12/2000	9	188		< 200	43	2170
7/27/2000	< 5.00	334	88	205	45	4670
8/2/2000	9	132		664	45	1620
8/31/2000	29	176	3300	1090	34	2440
<i>RM 3.57 West Jennings Ck</i>						
<i>RM 2.67 Flat Fork</i>						
RM 0.51 JENNINGS CK AT CR 23-T						
6/27/2000	51	55		2290	54	391
7/12/2000	38	146		1020	56	1440
7/27/2000	11	354	370	483	74	3920
8/2/2000	9	75		300	36	651
8/9/2000	17	138		454	53	1760
8/17/2000	17	270		622	70	3080
8/24/2000	37	130		1330	44	1790
8/31/2000	7	154	> 10000	< 200	59	2210
10/18/2000	8	170		310	51	2440
11/15/2000	< 5.00	216		< 200	41	2880

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**Table A-1.** Upper Auglaize River Watershed Water Quality Data

DATE	P530	P945	P31616	P1105	P1007	P1082
<b>JENNINGS PRAIRIE DITCH</b>						
RM 8.11 JENNINGS PRAIRIE DITCH AT LOUTH RD						
6/27/2000	12	45		1480	48	214
7/12/2000	38	62		1350	53	412
7/27/2000						
8/2/2000	24	96		1000	76	656
8/31/2000	23	124	350	1120	101	2670
RM 4.78 JENNINGS PRAIRIE DITCH AT SR 81						
6/27/2000	15	44		2880	53	201
7/12/2000	64	64		2110	64	341
7/27/2000	243	89	22	6620	107	454
8/2/2000	41	105		1520	85	540
8/31/2000	55	83	340	1920	89	551
RM 0.30 JENNINGS PRAIRIE DITCH AT COUNTY LINE RD						
6/27/2000	13	51		1600	50	254
7/12/2000	11	64		372	53	360
7/27/2000	140	78	110	4100	83	432
8/2/2000	37	61		2540	69	329
8/31/2000	5	74	2500	< 200	56	425
<b>WEST JENNINGS CK</b>						
RM 0.86 WEST JENNINGS CK AT SR 66						
6/27/2000	21	52		1310	47	300
7/12/2000	15	82		441	48	449
7/27/2000	15	97	100	428	54	527
8/2/2000	19	89		860	54	519
8/31/2000	33	62	880	1060	59	443
<b>FLAT FORK</b>						
RM 1.15 FLAT FORK AT CR U-20 (TR 136)						
6/27/2000	12	56		747	47	352
7/12/2000	< 5.00	106		< 200	43	1080
7/27/2000	< 5.00	184	1000	< 200	58	2140
8/2/2000	25	138		785	45	1880
8/31/2000	< 5.00	93	1700	< 200	58	1180

## Appendix A

Table A-1. Upper Auglaize River Watershed Water Quality Data

DATE	P530	P945	P31616	P1105	P1007	P1082
<b>BIG RUN</b>						
RM 0.34 BIG RUN AT ROAD S						
6/28/2000	< 5.00	44		206	42	285
7/13/2000	< 5.00	40		< 200	39	497
7/26/2000	10	72	6500	391	39	894
8/3/2000	< 5.00	42	2100	261	49	516
8/17/2000	12	75		258	42	1030
8/24/2000	6	44	> 10000	299	50	834
<b>OTTAWA R</b>						
RM 3.67 OTTAWA R AT US 224						
10/18/2000	< 5.00	163		208	40	2030
11/15/2000	< 5.00	150		< 200	38	1900
RM 0.96 OTTAWA R AT PUTNAM CR 19						
7/13/2000	44	183		809	56	2020
8/3/2000	42	162	940	1100	59	2000
8/17/2000	43	257		1250	66	2860
<b>AUGLAIZE R TRIB V (30.53)</b>						
RM 0.05 AUGLAIZE R TRIB V (30.53) AT CR 22K						
6/28/2000	30	66		1550	45	342
7/13/2000	15	87		635	44	536
7/26/2000						
8/3/2000	54	139	3300	2290	70	845
8/24/2000						
<b>LAPP DITCH</b>						
RM 1.39 LAPP DITCH AT SR 114 (UST SIDE)						
7/26/2000	64	1120	500	1710	152	12800
9/7/2000	27		29000			
RM 1.04 LAPP DITCH AT END OF MAHONING ST						
7/26/2000	5	653	120000	484	91	6890
8/24/2000	5	496	> 200000	571	59	5340
9/7/2000	11		> 200000			

## Appendix A

**Table A-1.** Upper Auglaize River Watershed Water Quality Data

DATE	P530	P945	P31616	P1105	P1007	P1082
RM 0.30 LAPP DITCH AT SR 634						
6/28/2000	77	79		3480	57	520
7/13/2000	29	197		1240	62	1530
7/26/2000	17	468	170	492	100	2800
8/3/2000	33	632	> 10000	1020	107	4850
8/17/2000	20	295		871	74	2380
8/24/2000	23	502	5200	980	96	3840
9/7/2000	12		81			
<b>BLANCHARD R</b>						
RM 2.58 BLANCHARD R AT CR 21-H						
7/13/2000	74	99		2130	63	2330
8/3/2000	123	73	2000	3890	72	2100
8/17/2000	72	91		2470	75	2950
<b>AUGLAIZE R TRIB VI (25.51) - Dupont Trib</b>						
RM ??? AUGLAIZE R TRIB VI (25.51) ADJ SR 634						
6/28/2000	5	71		< 200	68	1520
7/13/2000	< 5.00	111		< 200	69	2900
7/26/2000	8	105	6400	< 200	76	5040
8/24/2000	6	112	120000	< 200	90	5350
<b>PRAIRIE CK</b>						
RM 3.04 PRAIRIE CK AT COUNTY LINE RD						
6/28/2000	21	50		1440	42	337
7/13/2000	40	68		1660	47	556
7/26/2000	32	113	230	1330	62	790
8/3/2000	40	45	4800	3000	73	320
8/24/2000	41	79	2800	1450	62	736
RM 0.33 PRAIRIE CK AT SR 66						
6/28/2000	39	43				
7/13/2000	16	65		588	47	543
7/26/2000	13	160	660	556	46	1660
8/3/2000	665	50	2400	3650	54	299
8/17/2000						
8/24/2000	25	93	3200	990	52	925

**B** - result is estimated because analyte was also detected in associated blank.

**E** - concentration exceeds instrument calibration range and could not be reanalyzed within the holding time.

**J** - result is estimated.

**PQ** - results of both co-analytes are acceptable because they are within the precision quality control limits for each analyte

**PT** - analyzed past holding time; result is estimated.

# Appendix A

## Table A-2. Parameter Codes and Units

STORET	PARAMETER	UNITS	STORET	PARAMETER	UNITS
P10	Temperature	C	P680	TOC	mg/L
P1002	Arsenic	ug/L	P70300	Total Dissolved Solids	mg/L
P1007	Barium	ug/L	P70508	Acidity	mg/L
P1012	Beryllium	ug/L	P718	Cyanide, Free	ug/L
P1027	Cadmium	ug/L	P71900	Mercury	ug/L
P1034	Chromium	ug/L	P720	Cyanide, Total	ug/L
P1037	Cobalt	ug/L	P80082	CBOD5	mg/L
P1042	Copper	ug/L	P80087	CBOD20	mg/L
P1042LL	Copper, Low Level	ug/L	P82079	Turbidity	ntu
P1045	Iron	ug/L	P900	Hardness, Total	mg/L
P1051	Lead	ug/L	P916	Calcium	mg/L
P1055	Manganese	ug/L	P927	Magnesium	mg/L
P1059	Thallium	ug/L	P929	Sodium	mg/L
P1067	Nickel	ug/L	P937	Potassium	mg/L
P1077	Silver	ug/L	P94	Conductivity, field	umhos/cm
P1082	Strontium	ug/L	P940	Chloride	mg/L
P1087	Vanadium	ug/L	P945	Sulfate	mg/L
P1092	Zinc	ug/L	P95	Conductivity @ 25C	umhos/cm
P1097	Antimony	ug/L	P951	Fluoride	mg/L
P1102	Tin	ug/L	QCOLIF	QTRAY (Total Coliform)	#/100ml
P1105	Aluminum	ug/L	QECOC	QTRAY (E.coccus)	#/100ml
P1147	Selenium	ug/L	QECOLI	QTRAY (E.coli)	#/100ml
P1152	Titanium	ug/L	VOLSOL	Total Volatile Solids	mg/L
P1220	Hexavalent Chromium	ug/L			
P299	D.O.	mg/L			
P310	BOD5	mg/L			
P31616	Fecal Coliform	#/100ml			
P31648	E.coli	#/100ml			
P31679	Fecal Streptococcus	#/100ml			
P319	BOD_ULT	mg/L			
P324	BOD20	mg/L			
P32730	Phenolics	ug/L			
P340	COD	mg/L			
P34010	Toluene	ug/L			
P400	pH - Field	S.U.			
P403	pH - Lab	S.U.			
P410	Alkalinity	mg/L			
P500	Total Solids	mg/L			
P530	Total Suspended Solids	mg/L			
P556	Oil & Grease	mg/L			
P61	Flow	cfs			
P610	Ammonia	mg/L			
P615	Nitrite	mg/L			
P625	TKN	mg/L			
P630	Nitrate+nitrite	mg/L			
P65	Gage	feet			
P665	Total Phosphorus	mg/L			
P665LL	Total Phosphorous, Low Level	ug/L			
P666	Total Phosphorous, dissolved	mg/L			



## APPENDIX B. Sediment Chemistry Data

**Table B-1.** Dry weight concentrations (mg/kg or ppm) of metals in sediment samples from the Upper Auglaize River Basin study area, 2000. Metal concentrations are ranked using the Ohio EPA sediment thresholds for the HELP and ECBP Ecoregions and were also compared to a published account of toxicity thresholds (Persaud and Hayton 1994) and ranked accordingly (see footnotes).

AUGLAIZE RIVER SITES IN THE EASTERN CORN BELT PLAINS (ECBP) ECOREGION						
Parameter	Auglaize River at Greeley Chapel Rd (RM 96.68)	Auglaize River at Mudsock Rd. (RM 92.48)	Auglaize River at Dixie Hwy. (RM 87.34)	Auglaize River at Hamilton St in dam pool (RM 85.33 )	Auglaize River adj Greenlawn Cemetery (RM 84.10)	Auglaize River at Glynwood Rd (RM 80.29)
Solids (%)	75.3%	63.6%	61.5%	47.6%	60.6%	52.0%
TOC (%)	2%	3%	2%	5%	4%	2%
Aluminum	13600 <sup>a</sup>	18100 <sup>b</sup>	13400 <sup>a</sup>	<b>31500<sup>c</sup></b>	15500 <sup>b</sup>	21400 <sup>b</sup>
Arsenic	5.93	5.81	4.47	8.19	5.54	13.8
Barium	65.4	94.3	70.3	177 <sup>b</sup>	103 <sup>a</sup>	113 <sup>a</sup>
Cadmium	0.223	0.336	0.314	0.598	0.470	0.476
Chromium	15	18	<17	34 <sup>b</sup>	42 <sup>c</sup>	28 <sup>b</sup>
Copper	7.5	9.0	9.2	21.4 <sup>a</sup>	19.6	17.1
Iron	11600	13200	10800	20200	13200	16000
Lead	<19	<21	<23	<28	43	<24
Manganese	329	266	193	299	251	354
Mercury	<0.030	<0.026	<0.038	0.060	0.114	0.082
Nickel	<19	<21	<23	<28	<22	27
Selenium	<0.94	<1.06	<1.16	1.64	<1.12	1.83
Strontium	130	228	197	470	314	726
Zinc	33.7	42.1	40.1	97.6	68.8	64.7
Calcium	43600	33000	29000	43400	49200	58600
Magnesium	16600	12800	11000	19900	21200	18300
Potassium	3320	4260	2900	7830	3920	5490
Sodium	<2370	<2660	<2900	<3560	<2800	<3050

<sup>1</sup>Ranked using OEPA statewide sediment thresholds (sediment thresholds for HELP not available).

<sup>a</sup>Slightly Elevated, <sup>b</sup>Elevated, <sup>c</sup>**Highly elevated**, <sup>d</sup>**Extremely Elevated**; rankings based on OEPA thresholds for HELP Ecoregion.

**Table B-1.** Sediment Metals, Continued.

AUGLAIZE RIVER SITES IN THE HURON ERIE LAKE PLAINS (HELP) ECOREGION					
Parameter	Auglaize River at Shaffer Rd (RM 62.84)	Auglaize River at Zion Church Rd (RM 60.40)	Auglaize River at U.S. 224 (RM 39.57)	Auglaize River at S.R. 114 (RM 28.50)	Auglaize River at S.R. 613 (RM 19.30)
Solids (%)	46.6%	64.8%	50.9%	78.7%	41.2%
TOC (%)	2%	1%	2%	1%	2%
Aluminum <sup>1</sup>	<b>42700<sup>c</sup></b>	15800 <sup>a</sup>	30000 <sup>b</sup>	12900	<b>52500<sup>c</sup></b>
Arsenic	9.05	5.79	8.62	7.43	13.0 <sup>a</sup>
Barium <sup>1</sup>	187 <sup>b</sup>	65.5	132 <sup>a</sup>	78.7	237 <sup>b</sup>
Cadmium	0.601	0.276	0.503	0.161	0.708 <sup>a</sup>
Chromium	41 <sup>a</sup>	21	33	22	51 <sup>a</sup>
Copper	25.8	14	22.7	7.3	29.6
Iron	25100	13300	21000	13900	31800
Lead	<31	<22	<28	<19	32 <sup>a</sup>
Manganese <sup>1</sup>	420	272	392	332	449
Mercury	0.070	0.033	0.058	<0.024	0.069
Nickel	31	<22	<28	<19	37 <sup>a</sup>
Selenium	1.56	<1.08	<1.38	<0.97	<1.64 UJ
Strontium	395	152	228	92	194
Zinc	113	58.5	102	43.5	129 <sup>a</sup>
Calcium	25800	30900	24100	46400	19700
Magnesium	12500	12400	10300	12200	11500
Potassium	10900	4330	7580	4400	15600
Sodium	<3900	<2710	<3450	<2440	<4110

<sup>1</sup>Ranked using OEPA statewide sediment thresholds (sediment thresholds for HELP not available).

<sup>a</sup>Slightly Elevated, <sup>b</sup>Elevated, <sup>c</sup>**Highly elevated**, <sup>d</sup>**Extremely Elevated**; rankings based on OEPA thresholds for HELP Ecoregion.

**Table B-1.** Sediment Metals, Continued.

TRIBUTARY SITES IN THE HURON ERIE LAKE PLAINS (HELP) ECOREGION					
Parameter	Sixmile Ck at Bailey Rd (RM 4.24)	Sixmile Ck at S.R. 66 (RM 3.90)	Sixmile Ck dst Spencerville WWTP Trib (RM 3.59)	Sixmile Ck at Defiance Trail (RM 0.19)	Jennings Ck at C.R. 244 (RM 7.57)
Solids (%)	58.7%	62.1%	49.4%	61.6%	64.2%
TOC (%)	1%	2%	2%	1%	1%
Aluminum <sup>1</sup>	<b>36900<sup>c</sup></b>	27600 <sup>b</sup>	29400 <sup>b</sup>	24800 <sup>b</sup>	22600 <sup>b</sup>
Arsenic	9.06	8.33	7.19 J	5.53	5.40
Barium <sup>1</sup>	192 <sup>b</sup>	167 <sup>a</sup>	174 <sup>a</sup>	114	110
Cadmium	0.379	0.522	0.726 <sup>a</sup>	0.307	0.218
Chromium	39 <sup>a</sup>	88 <sup>b</sup>	82 <sup>b</sup>	52 <sup>a</sup>	22
Copper	21.2	49.4 <sup>b</sup>	<b>88.0<sup>c</sup></b>	36.1 <sup>a</sup>	10.4
Iron	24800	23500	22000	18200	15600
Lead	<25	<b>240<sup>d</sup></b>	30	<24	<20
Manganese <sup>1</sup>	377	448	405	263	340
Mercury	<0.037	0.134	0.122	0.039	<0.024
Nickel	28	62 <sup>b</sup>	51 <sup>a</sup>	36	<20
Selenium	<1.28	<1.11	<1.40 UJ	<1.20	<1.04
Strontium	145	171	272	115	95
Zinc	91.3	218 <sup>b</sup>	<b>281<sup>c</sup></b>	66.1	50.4
Calcium	14100	21100	30000	10800	16600
Magnesium	8360	10600	8380	5410	6750
Potassium	10300	8880	8380	6610	6230
Sodium	<3210	<2780	<3490	<3010	<2600

<sup>1</sup>Ranked using OEPA statewide sediment thresholds (sediment thresholds for HELP not available).

<sup>a</sup>Slightly Elevated, <sup>b</sup>Elevated, <sup>c</sup>**Highly elevated**, <sup>d</sup>**Extremely Elevated**; rankings based on OEPA thresholds for HELP Ecoregion.

Table B-2. Results of analyses for organic compounds in sediment samples from the Upper Auglaize River Basin study area, 2000. BNAs (including PAHs) were analyzed using Method 8270 (mg/kg or ppm) . Pesticides and PCBs were analyzed using Method 8081/8082A (ug/kg or ppb). Only compounds that were detected are listed. Concentrations were compared to a published account of toxicity thresholds (Persaud and Hayton 1994) and ranked accordingly (see footnotes).

AUGLAIZE RIVER SITES IN THE EASTERN CORN BELT PLAINS (ECBP) Ecoregion

Parameter	Auglaize River at Greeley Chapel Rd (RM 96.68)	Auglaize River at Mudsock Rd. (RM 92.48)	Auglaize River at Dixie Hwy. (RM 87.34)	Auglaize River at Hamilton St in dam pool (RM 85.33 )	Auglaize River adj Greenlawn Cemetery (RM 84.10)	Auglaize River at Glynwood Rd (RM 80.29)
TOC (%)	2%	3%	2%	5%	4%	2%
<u>Method 8270 (mg/kg)</u>						
Benz[a]anthracene	–	–	–	–	1.1	–
Benzo[a]pyrene	–	–	–	–	1.1	–
Benzo[b]fluoranthene	–	–	–	–	1.5	–
Benzo[g,h,i]perylene	–	–	–	–	0.83	–
Benzo[k]fluoranthene	–	–	–	–	0.93	–
Chrysene	–	–	–	–	1.5	–
Fluoranthene	–	–	–	0.98	3.2	–
Indeno[1,2,3-cd]pyrene	–	–	–	–	0.93	–
Phenanthrene	–	–	–	–	2.2	–
Pyrene	–	–	–	0.8	2.7	–
Total PAHs	–	–	–	1.78	15.99	–
bis(2-Ethylhexyl)phthalate	–	–	–	–	–	–
Number of Tentatively Identified Compounds	5	11	11	11	12	10
<u>Method 8081/8082A (ug/kg)</u>						
PCB-1248	–	–	–	–	–	–
PCB-1260	–	–	–	–	–	–
Total PCBs	–	–	–	–	–	–

Table B-2. Sediment Organics, Continued.

Parameter	AUGLAIZE RIVER SITES IN THE HURON ERIE LAKE PLAINS (HELP) ECOREGION				
	Auglaize River at Shaffer Rd (RM 62.84)	Auglaize River at Zion Church Rd (RM 60.40)	Auglaize River at U.S. 224 (RM 39.57)	Auglaize River at S.R. 114 (RM 28.50)	Auglaize River at S.R. 613 (RM 19.30)
TOC (%)	2%	1%	2%	1%	2%
<u>Method 8270 (mg/kg)</u>					
Benz[a]anthracene	—	—	—	—	—
Benzo[a]pyrene	—	—	—	—	—
Benzo[b]fluoranthene	—	—	—	—	—
Benzo[g,h,i]perylene	—	—	—	—	—
Benzo[k]fluoranthene	—	—	—	—	—
Chrysene	—	—	—	—	—
Fluoranthene	—	—	—	—	—
Indeno[1,2,3-cd]pyrene	—	—	—	—	—
Phenanthrene	—	—	—	—	—
Pyrene	—	—	—	—	—
Total PAHs	—	—	—	—	—
bis(2-Ethylhexyl)phthalate	—	—	—	—	—
Tentatively Identified Compounds	9	11	13	14	10
<u>Method 8081/8082A (ug/kg)</u>					
PCB-1248	—	—	—	—	—
PCB-1260	—	—	—	—	—
Total PCBs	—	—	—	—	—

Table B-2. Sediment Organics, Continued.

Parameter	TRIBUTARY SITES IN THE HURON ERIE LAKE PLAINS (HELP) ECOREGION				
	Sixmile Ck at Bailey Rd (RM 4.24)	Sixmile Ck at S.R. 66 (RM 3.90)	Sixmile Ck dst Spencerville WWTP Trib (RM 3.59)	Sixmile Ck at Defiance Trail (RM 0.19)	Jennings Ck at C.R. 244 (RM 7.57)
TOC (%)	1%	2%	2%	1%	1%
<u>Method 8270 (mg/kg)</u>					
Benz[a]anthracene	–	0.63	–	–	–
Benzo[a]pyrene	–	–	–	–	–
Benzo[b]fluoranthene	–	0.66	–	–	–
Benzo[g,h,i]perylene	–	–	–	–	–
Benzo[k]fluoranthene	–	–	–	–	–
Chrysene	–	0.78	–	–	–
Fluoranthene	–	1.4	–	–	–
Indeno[1,2,3-cd]pyrene	–	–	–	–	–
Phenanthrene	–	–	–	–	–
Pyrene	–	1.2	–	–	–
Total PAHs	–	4.67	–	–	–
bis(2-Ethylhexyl)phthalate	–	–	1.5	–	–
Tentatively Identified Compounds	7	10	12	8	8
<u>Method 8081/8082A (ug/kg)</u>					
PCB-1248	–	<b>1850</b>	<b>2720</b>	<b>360</b>	–
PCB-1260	–	<b>640</b>	<b>304</b>	–	–
Total PCBs	–	<b>2490</b>	<b>3024</b>	<b>360</b>	–

## Appendix C: STORET stations used to establish average temperature and pH

### HUC1:

Station ID	Site description	R.M.	Date	# of Obs
P03S01	AUGLAIZE R AT GREELY CHAPEL RD	96.68	1985~1996	5
P03S22	HUFFMAN CK @ TOWNLINE-LIMA RD	92.89/0.5/0.33	1985~1996	3
P03S23	HUFFMAN CK AT UNIOPOLIS - SR 65	92.89/0.5/1.63	1985~1996	1
P03S24	HUFFMAN CK @ MILL ST	92.89/0.5/1.69	1985~1996	3
P03W02	HUFFMAN CK @ UNIOPOLIS	92.89/0.5/1.73	1985~1996	4
P03W08	PUSHETA CK @ CR 33A	83.37/0.35	1985~1996	6
P03G01	AUGLAIZE R @ HAY RD	108.51	2000	6
P03G03	AUGLAIZE R @ FAULKNER RD	106.68	2000	6
WMNST01	AUGLAIZE R @ SR 117	103.97	2000	4
P03G06	AUGLAIZE R @ OSMAN RD	101.72	2000	6
P03G08	AUGLAIZE R @ AMHERST RD	97.88	2000	6
P03S01	AUGLAIZE R AT GREELY CHAPEL RD	96.68	2000	9
P03G16	AUGLAIZE R @ MUDSOCK RD	92.48	2000	6
P03P02	AUGLAIZE R @ DIXIE HWY	87.34	2000	6
P03P17	AUGLAIZE R DST HAMILTON ST	85.3	2000	6
WAPAKMZ	WAPAKONETA WWTP MIX ZONE	84.88	2000	6
P03P18	AUGLAIZE R ADJ GREENLAWN CEMETERY	84.1	2000	6

Station ID	Site description	R.M.	Date	# of Obs
P03G02	TRIB I TO AUGLAIZE R (108.90) @ FAULKNER RD	108.9/0.28	2000	6
P03G05	MANAHAN DITCH @ PHILLIPS RD	105.11/1.75	2000	6
P03G04	TRIB TO MANAHAN DITCH (2.91) DST HARROD	105.11/2.91/0.	2000	6
WMNST02	TRIB II TO AUGLAIZE R (103.69) ADJ CEMETARY	103.69/0.44	2000	6
WMNST03	TRIB II TO AUGLAIZE R (103.69) UST SR 117	103.69/0.25	2000	6
WMNST04	TRIB II TO AUGLAIZE R (103.69) DST MCPHERON RD	103.69/0.17	2000	6
P03G07	TRIB III TO AUGLAIZE R (99.78) @ OSMAN RD	99.78/0.6	2000	6
P03G11	WRESTLE CK @ GRAHAM RD	96.77/4.69	2000	6
P03G12	WRESTLE CK @ RIVER RD	96.77/0.34	2000	6
P03G09	CAMP CK @ YODER RD	96.72/2.3	2000	4
P03G10	CAMP CK @ AMHERST RD	96.72/0.6	2000	6
P03G13	VIRGINIA CK @ BUCKLAND HOLDEN RD	93.68/1.41	2000	6
P03G14	BLACKHOOF CK UST BLANK PIKE RD	92.89/3.28	2000	6
P03G15	BLACKHOOF CK @ HENGSTLER RD	92.89/0.78	2000	6
P0324	HUFFMAN CK @ MILL ST	92.89/0.5/1.69	2000	6
P03S23	HUFFMAN CK AT UNIOPOLIS - SR 65	92.89/0.5/1.63	2000	6
P03S22	HUFFMAN CK @ TOWNLINE-LIMA RD	92.89/0.5/0.33	2000	6
P03G17	DRY RUN @ SR 67	89.89/0.27	2000	6
P03P13	QUAKER RUN @ SR 67	86.57/0.08	2000	6
P03G18	PUSHETA CK @ ASHBURN RD	83.37/12.42	2000	6



Station ID	Site description	R.M.	Date	# of Obs
P03G19	PUSHETA CK @ TOWNLINE RD	83.37/10.58	2000	6
P03G20	PUSHETA CK @ FRYBURG SHELBY RD	83.37/8.58	2000	6
P03G21	PUSHETA CK DST HARDIN PIKE	83.37/2.85	2000	5
P03W08	PUSHETA CK @ CR 33A	83.37/0.35	2000	8
P03G22	TRIB TO PUSHETA CK (2.87) @ OWL CREEK RD	83.37/2.87/0.5	2000	6
P03G23	OWL CK @ OWL CREEK RD	83.37/0.53/3.0	2000	6
P03G24	OWL CK AT KOHLER RD.	83.37/0.53/0.4	2000	6

**HUC2:**

Station ID	Site description	R.M.	Date	# of Obs
500280	SIXMILE CK @ SR 81	62.31/1.2	1985~1996	52
P03P09	SIXMILE CK @ DEFIANCE TRAIL	62.31/0.19	1985~1996	60
P03P11	SIXMILE CK @ SR 66	62.31/3.95	1985~1996	6
P03P13	SIXMILE CK UPST SPENCERVILLE WWTP TRIB	62.31/3.62	1985~1996	54
P03S10	SIXMILE CK DST SPENCERVILLE	62.31/3.59	1985~1996	62
P03S13	SIXMILE CREEK UPST FARM SERVICES	62.31/3.85	1985~1996	39
P03S16	SIXMILE CK @ BAILEY RD	62.31/4.24	1985~1996	39
P03S19	SIXMILE CK DST FARM	62.31/3.7	1985~1996	3
P03W10	UNNAMED TRIB UPST SPENCERVILLE WWTP	62.31/3.60/0.1	1985~1996	10

Station ID	Site description	R.M.	Date	# of Obs
P03W11	SIXMILE CR OFF MONFORD RD NEAR SPENCERVILLE	62.31/2.10	1985~1996	10
P03S35	TWOMILE CK AT HOLDEN RD (CR 190)	72.08/8.1	2000	6
P03G27	TWOMILE CK @ BOWSHER RD	72.08/1.2	2000	6
P03G28	TWOMILE CK @ SR 198	72.08/0.12	2000	6
OAK001	OAKVIEW TRIB @ BREESE RD	72.08/3.05/0.0	2000	6
P03G29	SIMS RUN @ CONANT RD	71.63/4.37	2000	6
P03G30	SIMS RUN @ NATIONAL RD	71.63/0.82	2000	5
P03G32	BUCK RUN @ SUNDERLAND RD	67.78/0.57	2000	6
P03S21	TRIB TO AUGLAIZE R (63.54) @ DEFIANCE TRAIL	63.54/0.43	2000	5
P03S16	SIXMILE CK @ BAILEY RD	62.31/4.24	2000	6
P03P11	SIXMILE CK @ SR 66	62.31/3.95	2000	6
P03S19	SIXMILE CK DST FARM SERVICES	62.31/3.7	2000	6
P03S10	SIXMILE CK DST SPENCERVILLE WWTP TRIB	62.31/3.59	2000	6
500280	SIXMILE CK @ SR 81	62.31/1.2	2000	5
P03P09	SIXMILE CK @ DEFIANCE TRAIL	62.31/0.19	2000	6
P03G33	PIGEON RUN @ GOOD RD	55.51/0.23	2000	5

**HUC6:**

<b>Station ID</b>	<b>Site description</b>	<b>R.M.</b>	<b>Date</b>	<b># of Obs</b>
P03P06	JENNINGS CK AT LANDECK RD	47.02/10.4	1988~1996	2
P03P08	JENNINGS CK AT POHLMAN RD	47.02/4.8	1988~1996	5
P03S25	JENNINGS CK UPST DELPHOS WWTP	47.02/6.25	1988~1996	6
P03S26	JENNINGS CK AT CR 244	47.02/7.57	1988~1996	7
P03W12	JENNINGS CK 100 FT UPST DELPHOS WWTP OUTFALL	47.02/5.12	1988~1996	5
P03S18	AUGLAIZE R ADJ SR 189	46.1	2000	6
P03S03	AUGLAIZE R @ SR 224	39.57	2000	7
500190	AUGLAIZE R @ CR M	33.93	2000	6
500110	AUGLAIZE R @ SR 114	28.5	2000	7
500130	AUGLAIZE R @ SR 613	19.3	2000	5
P03G34	JENNINGS CK @ PURDY RD	47.02/19.33	2000	4
P03G35	JENNINGS CK @ KILL RD N OF HANLEY RD	47.02/17.58	2000	4
P03G36	JENNINGS CK @ KILL RD UST JPD	47.02/16.08	2000	4
P03G37	JENNINGS CK @ KILL R DST JPD	47.02/15.04	2000	5
P03P06	JENNINGS CK AT LANDECK RD	47.02/10.4	2000	5
P03S26	JENNINGS CK AT CR 244	47.02/7.57	2000	5
500060	JENNINGS CK @ SR 66	47.02/5.79	2000	5
P03P08	JENNINGS CK AT POHLMAN RD	47.02/4.8	2000	5

Station ID	Site description	R.M.	Date	# of Obs
P03W20	JENNINGS CK AT CR 23-T	47.02/.51	2000	8
P03G38	JENNINGS PRAIRIE DITCH @ LOUTH RD	47.02/15.52/8.	2000	4
P03G39	JENNINGS PRAIRIE DITCH @ SR 81	47.02/15.52/4.	2000	5
P03G40	JENNINGS PRAIRIE DITCH @ COUNTY LINE RD	47.02/15.52/0.	2000	5
P03W16	WEST JENNINGS CK AT SR 66	47.02/8.57/0.8	2000	5
P03S27	FLAT FORK AT CR U-20 (TR 136)	47.02/2.67/1.1	2000	5
P03G41	BIG RUN @ ROAD S	44.90/1.15/0.3	2000	6
P03G42	TRIB TO AUGLAIZE R (30.53) @ CR 22K	30.53/0.05	2000	3
CLVRD01	LAPP DITCH @ SR 114 (UST SIDE)	28/1.39	2000	2
CLVRD02	LAPP DITCH @ END OF MAHONING ST	28/1.04	2000	3
P03G43	LAPP DITCH @ SR 634	28/0.3	2000	7
DUPNT02	TRIB TO AUGLAIZE R (25.51) ADJ SR 634	25.51/0.0	2000	4
P04G44	PRAIRIE CK @ COUNTY LINE RD	18.77/3.04	2000	5
P04G45	PRAIRIE CK @ SR 66	18.77/0.33	2000	5

## Appendix D. Qualitative Habitat Evaluation Index (QHEI) Components and Scores

QHEI Components and Scores		
Component	Example values	Points <sup>1</sup>
<b>1. Substrate</b>		<i>Max 20</i>
Type	Boulder, sand, silt	0 to 20
Number	More or less than 4 types	0 to 2
Quality	Silt heavy, moderate, free	-2 to 1
Origin	Limestone, shale, wetlands	-2 to 1
Embeddedness	Rocks difficult to remove from sediment	-2 to 1
<b>2. In-stream Cover</b>		<i>Max 20</i>
Type	Rootmats, boulders, backwaters	0 to 9
Amount	Extensive, moderate, sparse	1 to 11
<b>3. Channel Morphology</b>		<i>Max 20</i>
Sinuosity	High, moderate, low, none	1 to 4
Development	Excellent to poor pool-riffle complexes	1 to 7
Channelization	None, recovering, no recovery	1 to 6
Stability	High, moderate, low bank erodibility	1 to 3
<b>4. Riparian Zone and Bank Erosion</b>		<i>Max 10</i>
Riparian Width	Wide, narrow, none	0 to 4
Flood Plain Quality	Forest, urban, rowcrop	0 to 3
Bank Erosion	None, moderate, severe	1 to 3
<b>5. Pool/Glide and Riffle/Run Quality</b>		<i>Max 20</i>
Pool Max Depth	>1m, 0.4-0.7m, <0.2m	0 to 6
Riffle Depth	Best areas >10cm, 5-10cm, <5cm	0 to 2
Run Depth	Max > 50 or < 50	1 to 2
Morphology	Pool width compared to riffle width	0 to 2
Current velocity	Eddies, interstitial, fast	-2 to 4
Riffle/Run Substrate	Stable (cobble), unstable (sand)	0 to 2
Riffle/Run Embeddedness	None, extensive, moderate	-1 to 2
<b>6. Gradient - score based on stream width, drainage area, and slope</b>		<i>Max 10</i>

Several of the metrics can "overscore" slightly the value that is listed as the maximum for the metric. For substrate, if a site receives a score of 25, the score for that metric is limited to 20. Limiting the scoring is done to ensure all substrate types can be represented in scoring without "inflating" a particular metric that can result in a higher QHEI score than is justified by the available habitat.

## Appendix E: Land Use Data for Export Coefficient Model

Land use data used to determine non-point source (NPS) phosphorus loads was obtained from the USGS National Land Cover Dataset (NLCD). The NLCD is raster -- or grid based -- dataset for use in a Geographic Information System (GIS). The NLCD was compiled from Landsat satellite TM imagery dating from 1992, as well as other ancillary data where available. The resolution of the raster grid is 30 meters. For more information on the NLCD visit: <http://landcover.usgs.gov/nationallandcover.asp>.

The export coefficient model used to determine the phosphorus NPS loads in the Upper Auglaize divides land use into five classes: open water, urban, forest, pasture/hay, and cropland. The NLCD divides land use into 21 different classes. Application of the export coefficient model required reclassification of the NLCD's 21 classes to agree with the export coefficients five. In most cases the reclassification was simple. For example, "deciduous forest", "evergreen forest", and "mixed forest" were reclassified as "forest". In other cases the reclassification was not as clear. In such situation the reclassification decision was made by matching classes that were likely to produce similar phosphorus loads. For example, "quarries/strip mines/gravel pits" were reclassified as "forest", because they, like "forest", are not likely to produce a large phosphorus load. The complete reclassification scheme is presented in Table E-1.

Table E-2 presents the NLCD land use values in hectares for phosphorus impaired segments in the Upper Auglaize watershed. Table E-3 presents the reclassified land use values that were used in the export coefficient model.

**Table E-1** NLCD Reclassification Scheme

<b>NLCD Class:</b>	<b>Reclassification for Export Coefficient Model:</b>
Open Water	Open Water
Low-Intensity Residential	Urban
Medium-Intensity Residential	
High-Intensity Residential	
Commercial/Industrial/Transportation	
Urban/Recreational Grasses	
Deciduous Forest	Forest
Evergreen Forest	
Mixed Forest	
Woody Wetlands	
Emergent Herbaceous Wetlands	
Quarries/Strip Mines/Gravel Pits	
Range Pasture	Pasture/Hay
Row Crops	Cropland

**Table E-2 NLCD Land Use Values for the Upper Auglaize**

Class	Hectares				
	Aug. Trib. II (103.9)	Huffman Creek	Twomile Creek	Sixmile Creek	Prairie Creek
Open Water	1.0	0.3	5.1	1.3	2.6
Low Intensity Residential	6.5	11.4	114.9	99.5	34.1
High Intensity Residential	0.8	1.4	9.1	12.0	3.8
Commercial/Industrial/Transport	3.8	1.8	24.0	15.0	5.9
Quarries/Strip Mines/Gravel Pit	0.0	1.3	0.0	0.0	0.0
Deciduous Forest	18.1	81.6	714.6	260.2	223.9
Evergreen Forest	0.0	0.0	5.4	0.2	0.8
Mixed Forest	0.0	0.3	1.0	0.0	0.3
Pasture/Hay	53.5	101.9	1035.3	292.1	317.8
Row Crops	304.4	657.7	6185.5	1612.6	3077.5
Urban/Recreational Grasses	0.0	0.0	49.9	0.0	0.0
Woody Wetlands	0.0	0.0	20.8	12.7	0.0
Emergent Herbaceous Wetlands	1.3	0.3	1.8	0.0	0.9
Total Ha/Drainage Area:	389.4	858.1	8167.4	2305.6	3667.6



**Table E-3** Reclassified Land Use Values for the Upper Auglaize

Class	Hectares				
	Aug. Trib. II (103.9)	Huffman Creek	Twonile Creek	Sixmile Creek	Prairie Creek
Open Water	1.0	0.3	5.1	1.3	2.6
Urban	11.1	14.6	197.9	126.5	43.8
Forest	19.4	83.5	743.6	273.1	225.8
Range/Pasture	53.5	101.9	1035.3	292.1	317.8
Cropland	304.4	657.7	6185.5	1612.6	3077.5

## Appendix F: Wapakoneta Combined Sewer Overflow Phosphorus Load Calculations

The phosphorus load from the Wapakoneta Combined Sewer Overflow (CSO) was calculated via the following equation:

Equation 1: 
$$TL = [(SV \cdot SC) + (SWV \cdot SWC)] \cdot AV$$

Where:

TL = Total calculated phosphorus load from CSO  
SV = Volume of sewage produced  
SC = Concentration of phosphorus in sewage  
SWV = Stormwater volume  
SWC = Concentration of phosphorus in stormwater  
AV = Adjustment factor

Following is a description of how each factor was calculated:

- Volume of sewage produced (SV):

The volume of sewage produced is the product of the number of homes served by the sewer, the number of persons per home, the volume of sewage produced per person per day, and the total number of days the CSO was active. The number of homes served by the sewer was obtained directly from the sewer district. The number of persons per home is based upon a county average. The volume of sewage produced per person per day is based upon a literature value (Metcalf & Eddy, 1991). The total number of days the CSO was active was obtained from monitoring data reported to the Ohio EPA. The total number of days the CSO was active is an average of 2001 and 2001. The volume of sewage produced is expressed in million gallons (MG).

- Stormwater volume (SWV):

Stormwater volume is the difference of the volume of sewage produced (SV), and the total overflow volume reported. The total overflow volume reported represents the total volume discharged from the CSO outfalls to the receiving stream. Total overflow volume is reported to the Ohio EPA as part of monitoring requirements. Stormwater volume is expressed in million gallons (MG).

- Concentrations of phosphorus in sewage and stormwater (SC and SWC):

The concentrations of phosphorus in sewage and stormwater are based upon literature values. The concentration of phosphorus in sewage was referenced from *Wastewater Engineering: Treatment, Disposal, Reuse* (Metcalf & Eddy,



to 4 MGD. Second, the WWTP plans to install an equalization tank that will further increase capacity by 1.3 MGD. These two improvements result in a net 3.05 MGD increase in capacity. The effect this increase in capacity will have upon the sewage overflow volume was quantified by examining the observed overflow discharge for each day the CSO was active in 2001 and 2002. If the observed daily overflow discharge was less than 3.05 MGD, then effective discharge following WWTP improvements was assumed to be zero. If the observed daily overflow discharge was greater than 3.05 MGD, then the effective discharge following WWTP improvements was assumed to be the difference of the observed and the net increase in capacity (3.05 MGD). The effective daily discharges following WWTP improvement were summed for 2001 and 2002. The yearly effective overflows were then compared to the observed yearly overflows to determine the yearly percentage reduction in CSO volume expected following WWTP improvements. 2001 and 2002 yearly totals were averaged, and the result was multiplied by the calculated total load (TL) from 2001 and 2002 to estimate the effective CSO load following WWTP improvements.

The following tables present the data used in Wapakoneta CSO phosphorus load calculation, and phosphorus load allocation calculation. Table F-1 gives the 2001, 2002, and average hours of CSO operation. Table F-2 presents the values used to calculate the phosphorus load. Table F-3 presents precipitation data for 2001 and 2002 used to calculate the load adjustment factor. Finally, Table F-4 presents the reported daily overflow volumes, and the effective overflow volumes following WWTP improvements.

**Table F-1: 2001, 2002, and Average CSO Overflow Duration**

CSO Outfall	2001 Operation <sup>1</sup>		2002 Operation <sup>1</sup>		Average Operation	
	Hours	Days	Hours	Days	Hours	Days
002	157	6.5	160	6.7	159	6.6
003	207	8.6	187	7.8	197	8.2
004	257	10.7	241	10.0	249	10.4

1. Overflow duration was reported to the Ohio EPA in Monthly Operating Reports from the Wapakoneta WWTP.

**Table F-2: Values used in Wapakoneta CSO Phosphorus Load Calculation**

Units:	Days			MGD	MGY			Kg/Year			
					SV		SWV				TL
				Volume of Sewage Produced	Volume of Sewage Produced	Reported Overflow Volume	Runoff Volume	TP Load from Sewage	TP Load From Runoff	Total TP load	TP Adjusted Load
CSO Outfall	Avg. Yearly Operation	Households Served	Persons Served								
002	6.6	786	2059	0.14	0.95	16.43	15.48	28.77	19.33	48.10	63.97
003	8.2	112	293	0.02	0.17	40.75	40.58	5.15	50.68	55.83	74.25
004	10.4	591	1548	0.11	1.13	42.15	41.02	34.22	51.23	85.45	113.65
										<b>Total:</b>	<b>251.87</b>

**Table F-3: Precipitation Data**

<b>Year</b>	<b>Annual Precipitation (in.)</b>
1983	36.75
1984	36.27
1985	38.17
1986	43.94
1987	34.29
1988	25.50
1989	32.56
1990	52.50
1991	30.75
1992	45.74
1993	36.96
1994	30.19
1995	36.97
1996	45.20
1997	41.45
1998	37.86
1999	32.44
2000	36.87
2001	33.61
2002	35.83
<b>95<sup>th</sup> Percentile:</b>	<b>46.08</b>
<b>2001-2002 Average Precipitation:</b>	<b>34.72</b>
<b>Adjustment Factor (AF):</b>	<b>1.33</b>

**Table F-4: CSO Reduction Factors**

Date Active	Observed Discharge (MG)			Observed Total Discharge (MG)	Effective Discharge with WWTP Improvements
	CSO 002	CSO 003	CSO 004		
2/9/2001	0.2	0.4	0.5	1.1	0
2/10/2001	0.3	0.6	0.8	1.7	0
2/14/2001	0.4	0.8	1	2.2	0
2/15/2001	0.5	1.5	1.5	3.5	0.45
4/11/2001	0.7	2.1	2	4.8	1.75
4/15/2001	0.1	0.4	0.5	1	0
4/17/2001		1		1	0
4/20/2001	0.3		1	1.3	0
5/13/2001		0.8		0.8	0
5/14/2001		1		1	0
5/15/2001	0.3	1.7	0.8	2.8	0
5/16/2001	0.4	0.6	1	2	0
5/17/2001	0.5	0.2	1.7	2.4	0
5/18/2001	0.2		0.7	0.9	0
5/19/2001	0.1		0.3	0.4	0
5/22/2001		1		1	0
5/23/2001		1.3		1.3	0
5/24/2001	0.4	0.6	1	2	0
5/25/2001	0.3	2.9	1.4	4.6	1.55
5/26/2001	0.2		0.9	1.1	0
5/27/2001	0.9		2.7	3.6	0.55
9/9/2001	0.2	0.6	0.7	1.5	0
9/19/2001	0.3	0.8	0.8	1.9	0
10/11/2001	0.1	0.3	0.3	0.7	0
10/12/2001	0.3	0.8	1	2.1	0
10/14/2001	0.5	1.7	1.7	3.9	0.85
10/15/2001	0.1	0.4	0.5	1	0
10/16/2001	0.7	2	2	4.7	1.65

Date Active	Observed Discharge (MG)			Observed Total Discharge (MG)	Effective Discharge with WWTP Improvements
	CSO 002	CSO 003	CSO 004		
10/17/2001	0.3	0.8	1	2.1	0
10/23/2001	0.2	0.5	0.7	1.4	0
10/24/2001	0.6	1.7	1.7	4	0.95
10/25/2001	0.5	1.3	1.2	3	0
12/14/2001	0.5	2	2	4.5	1.45
12/15/2001	0.3	1.3	1.4	3	0
12/16/2001	0.7	2.3	2.4	5.4	2.35
12/17/2001	2.2	5	4.1	11.3	8.25
12/18/2001	1	3.1	3.1	7.2	4.15
12/19/2001	0.2	0.8	1	2	0
<b>2001 Totals:</b>	<b>14.5</b>	<b>42.3</b>	<b>43.4</b>	<b>100.2</b>	<b>23.95</b>
<b>2001 CSO reduction with WWTP improvements:</b>					<b>76.1%</b>
1/31/2002	0.4		1.5	1.9	0
2/1/2002	2.2	5	4.1	11.3	8.25
2/2/2002	4	1.3	1.4	6.7	3.65
3/29/2002	0.5	1.3	1.4	3.2	0.15
3/30/2002	0.6	1.7	1.7	4	0.95
4/1/2002	0.2	0.8	1	2	0
4/2/2002	0.1	0.4	0.5	1	0
4/3/2002	1.1	2.5	2	5.6	2.55
4/4/2002	0.3	0.8	1	2.1	0
4/9/2002	0.5	1.7	1.7	3.9	0.85
4/13/2002	0.5	1.3	1.4	3.2	0.15
4/14/2002	0.4	1.5	1.5	3.4	0.35
4/27/2002	0.2	0.6	0.7	1.5	0
4/28/2002	0.4	1	1.2	2.6	0
5/2/2002	0.2	0.6	0.7	1.5	0
5/8/2002		0.2	0.3	0.5	0
5/12/2002	0.1		0.5	0.6	0
5/13/2002	1.1	3.3	3.4	7.8	4.75



Date Active	Observed Discharge (MG)			Observed Total Discharge (MG)	Effective Discharge with WWTP Improvements
	CSO 002	CSO 003	CSO 004		
5/14/2002	0.5	1.7	2	4.2	1.15
5/28/2002	0.15	0.4	0.5	1.05	0
5/29/2002	0.2	0.8	0.8	1.8	0
9/27/2002	0.4	1.3	1.4	3.1	0.05
12/19/2002	0.7	2.1	2	4.8	1.75
12/20/2002	0.5	1.7	1.7	3.9	0.85
12/30/2002	1.5	3.4	3.1	8	4.95
12/31/2002	1.6	3.8	3.4	8.8	5.75
<b>2002 Totals:</b>	<b>18.35</b>	<b>39.2</b>	<b>40.9</b>	<b>98.45</b>	<b>36.15</b>
<b>2001 CSO reduction with WWTP improvements:</b>					<b>63.3%</b>
<b>Average CSO reduction with WWTP improvements:</b>					<b>69.7%</b>

## **APPENDIX G. Upper Auglaize Bacteria Model**

Raw Data used in model:

Table G-1: Raw Arcview Landuse Data was derived from USGS Ohio Land Cover Dataset and was used in the Fecal Tool Model to differentiate the various uses of land.

Table G-2: Landuse Data Cleaned for Fecal Tool Input is simply the data from Table G-1 converted into percentages and acres such that it can be input into the Fecal Tool model.

Table G-3: County Population and Septic Sytems Count shows the numbers for people, houses and septic systems and was used in the Fecal Tool sheet for septic systems.

Table G-1: Landuse Data Cleaned for Fecal Tool Input

			landuse percentages **				landuse in acres				
			acres	built up	cropland	pastur e-land	forests	built up	cropland	pasture- land	forests
2	<b>Huffman Creek</b>	92.89/0.50/1.63 & 1.69	1592	0.55	75.49	11.74	11.97	9	1202	187	191
3	<b>Trib. To</b>	103.69/.17	929	1.8	78.22	15.16	4.57	17	727	141	42
4	<b>Dry Run</b>	89.9/0.27	3754	0.01	75.7	18.37	5.89	0	2842	690	221
5	<b>Owl Creek</b>	83.37/0.53/3.03	3323	0.1	77.14	15.44	7.3	3	2563	513	243
6		83.37/0.53/0.4	1979	0.51	76.78	12.4	10.06	10	1519	245	199
7	<b>Twomile Creek</b>	72.08/8.10	3421	2.62	75	16.26	6.08	90	2566	556	208
8	<b>Unnamed Trib to Twomile Creek</b>		699	1.35	47.33	29.61	21.1	9	331	207	147
9	<b>Sims Run</b>	71.63/4.37	2660	0	79.85	12.44	7.71	0	2124	331	205
10	<b>Big Run - Ft.</b>	44.90/0.34	5061	0.64	86.56	7.07	5.71	32	4381	358	289
11	<b>Lapp Ditch</b>	28.00/1.39 & 1.04	2512	2.5	82.39	9.88	5.1	63	2070	248	128
12		28.00/0.30	208	5.21	49.04	33.98	12.21	11	102	71	25
13	<b>Trib. To</b>	25.51/0.00	308	21.78	55.44	17.41	5.37	67	171	54	17
14	<b>Prairie Creek</b>	18.77/3.04	5664	0.69	87.04	9.29	2.96	39	4930	526	168
15		18.77/0.33	3399	2.04	78.7	7.62	11.49	69	2675	259	391
16	<b>Sixmile Cr.</b>	62.31/3.95	2411	10	70	15	5	241	1688	362	121
		62.31/0.19	723	2	70	10	18	14	506	72	130

\* No estimate was given from the Putnam Co. Health Department

\*\* Land use info taken GIS arcview database with the exception of Sixmile Cr. which was from topo map

Table G-2: Raw Arcview Landuse Data

UPPER AUGLAIZE BACTERIA MODELING - LAND USE DATA

Source is USGS National Land Cover Dataset (aerial data from early 1990s)

Class	Huffman (.33)	Huffman (1.63)	HUFFMAN DIF.	Aug Trib. (103.9)	Dry Run (.27)	Owl Creek (3.03)	Owl Creek (0.4)	OWL DIF.	Twomile Creek (8.10)	Twomile Trib
	for RM 0.33			for RM 0.4						
Built-up	1.75%	0.55%	5.65%	1.80%	0.01%	0.10%	0.25%	0.51%	2.62%	1.35%
Pasture	11.96%	11.74%	12.65%	15.16%	18.37%	15.44%	14.31%	12.40%	16.26%	29.61%
Crop	76.41%	75.49%	79.43%	78.22%	75.70%	77.14%	77.01%	76.78%	75.00%	47.33%
Forest	9.69%	11.97%	2.27%	4.57%	5.89%	7.30%	8.33%	10.06%	6.08%	21.10%
Total:	99.81%	99.75%	100.00%	99.75%	99.98%	99.99%	99.90%	99.75%	99.97%	99.39%
acres		1592	489	929	3754	3323		1979	3421	699
sq mi		2.49	0.76	1.45	5.87	5.19		3.09	5.35	1.09

  

Class	Sims Run (4.37)	Big Run (.34)	Lapp Ditch (1.39)	Lapp Ditch (.30)	LAPP DIF.	Aug Trib. (25.51)	Prairie Creek (3.04)	Prairie Creek (.33)	PRAIRIE DIF.	
	for RM 0.30				for RM 0.33					
Built-up	0.00%	0.64%	2.50%	2.71%	5.21%	21.78%	0.69%	1.19%	2.04%	
Pasture	12.44%	7.07%	9.88%	11.72%	33.98%	17.41%	9.29%	8.67%	7.62%	
Crop	79.85%	86.56%	82.39%	79.83%	49.04%	55.44%	87.04%	83.91%	78.70%	
Forest	7.71%	5.71%	5.10%	5.57%	11.21%	5.37%	2.96%	6.16%	11.49%	
Total:	100.00%	99.98%	99.86%	99.83%	99.43%	100.00%	99.98%	99.93%	99.84%	
acres	2660	5061	2512		208	308	5664		3399	
sq mi	4.16	7.91	3.93		0.32	0.48	8.85		5.31	

Table G-3: County Population and Septic Sytems Count

Basin	Area (mi2)	Area (acres)	% of county area	County	No. of buildings as of 1973	Conversion factor est. from pop. growth	Est. no. of buildings for 2000	Persons per household by county	Persons served by septic systems
Huffman Creek **	2.49	1593.59	0.62	Auglaize	21	1.969	41	2.62	108
Trib. To Auglaize	1.45	928.00	0.36	Allen	39	1.23	80	2.52	210
Dry Run RM 0.27	5.87	3756.78	1.46	Auglaize	37	1.26	47	2.62	122
Owl Creek	5.19	3321.59	1.29	Auglaize	44	1.39	61	2.62	160
Owl Creek	8.28	5299.18	2.06	Auglaize	34	1.39	47	2.62	124
Twomile Creek	5.35	3423.99	1.31	Auglaize	51	1.135	58	2.62	152
Unnamed Trib to Sims Run	1.09	697.60	0.27	Allen/~2 % Aug	61	1.54	94	2.52	237
RM 4.37	4.16	2662.39	1.04	Auglaize	22	1.47	32	2.62	85
Big Run - Ft.	7.91	5062.38	1.63	Putnam Allen	39	1.25	49	2.67	130
Lapp Ditch	3.93	2515.19	0.81	Putnam	84	1.18	99	2.81	279
Lapp Ditch	4.25	2719.99	0.88	Putnam	102	1.18	120	2.81	338
Trib. To Auglaize	0.48	304.00	0.10	Putnam	87	1.23	107	2.81	301

Basin	Area	Area	% of county area	County	No. of buildings as of 1973	Conversion factor est. from pop. growth	Est. no. of buildings for 2000	Persons per household by county	Persons served by septic systems
Prairie Creek	8.85	5663.98	2.11	Paulding	51	1.165	59	2.59	154
Prairie Creek	14.16	9062.36	3.38	Paulding	168	1.165	196	2.59	507
Six Mile Creek				Allen	86		138***		
Six Mile Creek				Allen			25 (counted)		

\*\* Has a wwtp which serves 94 houses.

\*\*\* Calculated growth rate by adding up the 3 other sites involving Allen County for 1973 and 2000.  
 Ex:  $1973 = (39+61+39)/2000 = (80+94+49) = 0.62$ . Site pop. in 1973 =  $86/062 = 138$ .

RACCOON DENSITY CALCULATION

<<raccoon bow map.bmp>> <<Raccoon Means by County.dat>>

The data summarized in "raccoon means by county" is based on an average of 2001 and 2002 data and is presented in the distribution map. Counties with at least 1000 hours are stand-alones, those with less than 1000 hours are lumped with adjacent counties that fall within the same ecological region. For the rating of High, Medium and Low, the "Highs" are those counties in the upper quartile, "Lows" are those counties within lower quartile.

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 MEAN OBS RATES OF RACCOON SEEN IN EACH COUNTY FROM LEAST TO  
 GREATEST - 2001-02 COMBI 4

08:54 Monday, August 18, 2003

Obs	CO_LUMP	_TYPE_	_FREQ_	RACCOON obs/1000 hunter hours
1	JACKSON	0	649	9.052
2	ATHENS-MEIGS	0	1756	10.940
3	LAWRENCE-GALLIA	0	1094	11.831
4	WASHINGTON		0	560 12.293
5	VINTON	0	955	13.099
6	TUSCARAWAS	0	1533	14.557
7	MONROE-NOBLE	0	1013	14.608
8	PIKE-SCIOTO	0	961	15.161
9	HOCKING	0	1191	15.828
10	COSHOCTON	0	1381	16.001
11	HOLMES	0	959	18.574
12	ASHTABULA	0	1243	19.952
13	ROSS	0	932	20.297
14	ADAMS	0	662	20.962

15	MEDINA	0	969	22.072
16	PERRY	0	1147	24.932
17	BELMONT-GUERNSEY	0	1617	26.550
18	JEFFERSON	0	1012	26.830
19	MORGAN	0	620	26.894
20	HANCOCK	0	860	28.086
21	COLUMBIANA	0	835	28.274
22	HARRISON	0	970	29.932
23	CARROLL	0	889	30.449
24	ASHLAND-RICHLAND	0	1354	30.903
25	SUMMIT-PORTAGE	0	1826	31.692
26	CUYAHOGA-LORAIN	0	1067	31.842
27	KNOX	0	1398	31.842
28	WAYNE-STARK	0	1211	32.665
29	MUSKINGUM	0	1434	32.886
30	DARKE-MIAMI-SHELBY	0	1240	35.420
31	CLERMONT-BROWN	0	1269	35.757
32	HIGHLAND	0	639	36.264
33	FAYET-FRANK-MAD-PICK	0	1051	37.212
34	HARDIN-LOGAN	0	813	40.389
35	MONTGOMERY-PREBLE	0	789	40.783
36	WYANDOT-CRAWFORD	0	944	40.943
37	MAHONING	0	1025	41.170
38	ERIE-OTTA-SAND	0	1431	41.924
39	DELAWARE	0	1239	42.186
40	LICKING-FAIRFIELD	0	2836	42.612
41	TRUMBULL	0	1320	42.804
42	WILLIAMS-FULTON	0	803	45.853
<b>43</b>	<b>DEFI-HENR-PAUL-PUTN</b>	<b>0</b>	<b>1066</b>	<b>45.922</b>
44	LAKE-GEAUGA	0	1615	46.085
45	CLINT-GREEN-WARREN	0	1695	47.001
46	HURON-SENECA	0	1398	47.225



47	MARION-MORROW-UNION	0	877	50.064
48	BUTLER-HAMILTON		0	1218 55.142
49	CHAMPAIGN-CLARK	0	1012	57.130
50	LUCAS-WOOD	0	822	65.107
<b>51</b>	<b>ALLE-AUGL-MERC-VANW</b>	<b>0</b>	<b>1037</b>	<b>77.747</b>
52	PAULDING	0	152	118.651

This data represents a frequency, how often Raccoons are observed. Frequency data is not a great determinate of density or population. It works well for noting trends. In order to convert the number of observations per hour to a population one must assume the percentage of raccoons that exist that are observed. Based on BPJ it was assumed that 1/25th of the raccoons that exist were observed in 1000 hrs. of hunting. Then to calculate the number of raccoons per county this formula was used:

no. of raccs obs. In 1000 hrs. of hunting/county area (sq. mis.) X 25 (since only 1/25th of the raccs are observed).

Allen Co. 78 raccs./407 sq mi x 25 = 4.8 raccs/sq mi

Aug. Co. 78 raccs./402 sq mi x 25 = 4.9 raccs/sq mi

Paulding Co. 46 raccs./419 sq mi x 25 = 2.7 raccs/sq mi

Putnam Co. 46 raccs./484 sq mi x 25 = 2.4 raccs/sq mi

#### DEER DENSITY CALCULATION

On a 9/23/03 telephone interview, ODNR biologist Mike Reynolds estimated the deer population in Western Ohio to be 5-10 deer/sq mi. The lower end of the range was used because NW Ohio has some of the least dense deer populations in the state.